Gene_name	CNT2.fpkm.txt	CNT3.fpkm.txt	CNT4.fpkm.txt	GC1.fpkm.txt
0610005C13Rik	0	0	0	1.242258
0610007P14Rik	18.700397	41.709373	56.46479	39.692486
0610009B22Rik	12.128203	17.302416	27.393318	30.743732
0610009L18Rik	1.596835	1.049182	1.600558	2.331734
0610009O20Rik	14.510955	17.860113	17.532055	13.812248
0610010B08Rik	0	0	0.217053	0.311363
0610010F05Rik	3.052928	7.159928	6.971882	3.949392
0610010K14Rik	86.93786	61.443556	67.221901	61.518848
0610011F06Rik	17.708338	19.590149	28.827816	23.375732
0610012G03Rik	37.608181	28.841597	29.527418	29.59091
0610030E20Rik	6.93509	8.209068	7.044699	8.204891
0610031O16Rik	0	0	0	0
0610037L13Rik	10.549406	13.031199	12.771972	11.83994
0610038B21Rik	0.376741	0.139294	0.430511	0.325944
0610039H22Rik	0	0	0.134909	0.13994
0610039K10Rik	0.361893	0.033907	0.721313	0.391953
0610040B10Rik	0	0.771433	1.171359	2.497622
0610040F04Rik	0	0	0.05632	0
0610040J01Rik	0.474742	0.635298	0.710627	2.135497
0610043K17Rik	0	0	0	0
1010001N08Rik	0	0	0	0
1110001J03Rik	37.379509	42.283852	90.572197	67.732117
1110002L01Rik	0.477171	4.123929	4.146948	2.342295
1110004E09Rik	24.976786	37.757629	33.488953	31.265205
1110004F10Rik	60.974289	62.395813	75.015694	59.660515
1110006O24Rik	0.862037	2.092713	1.915815	1.86827
1110007C09Rik	159.622818	54.344769	67.878723	74.537041
1110008F13Rik	49.700798	81.679909	94.64801	112.824402
1110008L16Rik	3.852605	6.39373	6.016407	4.10965
1110008P14Rik	34.669323	33.034203	29.943323	50.080391
1110012L19Rik	10.737207	21.752295	21.854921	19.144592
1110015O18Rik	0	0	0	0
1110017D15Rik	0	0	0	0
1110019D14Rik	0	0.140485	0.389201	0.193219
1110020A21Rik	1.013159	0.669178	0.514864	0.407369
1110025L11Rik	0	0	0	0
1110028F11Rik	0	0	0	0.042916
1110028F18Rik	0	0	0	0
1110032A03Rik	2.565768	2.816207	4.029521	4.115799
1110032F04Rik	0	0	0	0.067545
1110034G24Rik	1.211848	3.427379	3.953395	4.417142
1110036E04Rik	0	0	0	0
1110037F02Rik	5.677786	7.987788	6.757709	6.551756
1110038B12Rik	642.91613	339.690545	431.18499	295.163277
1110038F14Rik	19.18396	23.51902	24.830637	25.73094
1110046J04Rik	17.921139	12.810188	16.255524	16.784502
1110051M20Rik	7.416517	12.734076	13.615856	9.694807
1110058D11Rik	0	0	0	0

1110059E24Rik	16.22957	23.322973	43.101078	30.291731
1110059G10Rik	2.945237	2.667675	3.73853	2.852717
1110065P20Rik	33.30407	34.093266	45.547226	42.259338
1190002F15Rik	11.752336	23.92408	50.205944	40.492564
1190002N15Rik	2.333106	1.781938	1.791322	2.263113
1190003K10Rik	0	0	0	0
1190005I06Rik	6.847569	0	6.198834	2.042122
1190007I07Rik	1.935351	9.136168	11.489752	8.106107
1200014J11Rik	5.134161	5.214071	4.778013	5.247236
1300002E11Rik	2.680749	5.232015	5.318612	6.405812
1300017J02Rik	0.256447	0	0	4.874447
1500004A13Rik	2.48636	3.379757	3.191179	1.785181
1500009C09Rik	0.57267	0	0	1.229182
1500009L16Rik	0	0.21321	0	0
1500011B03Rik	4.955747	8.344082	15.437137	14.93985
1500011K16Rik	21.754141	18.537535	29.195364	30.652025
1500012F01Rik	657.490417	306.970734	585.795715	360.901489
1500012K07Rik	0	0	0	0
1500015A07Rik	4.47441	3.88081	4.297926	3.863741
1500015L24Rik	0	0	0	0
1500015O10Rik	0	12.414569	0	1.089402
1500017E21Rik	0	0	0	0
1500026H17Rik	0	0	0	0
1600002D24Rik	0	0.09154	0	0
1600002H07Rik	5.779395	7.453477	5.731322	5.125352
1600002K03Rik	13.070327	10.145549	11.173583	14.783955
1600010M07Rik	0	0.890821	2.156195	1.505106
1600012H06Rik	16.780697	16.365435	19.381467	21.349168
1600014C10Rik	7.12745	13.406063	16.130759	26.687426
1600014C23Rik	0	0	0	0
1600014K23Rik	0	0	0	0
1600015I10Rik	0	0	0	0
1600019K03Rik	0	0	0	0
1600020E01Rik	17.392928	8.711335	11.924855	15.675576
1600023N17Rik	0.147482	0.42036	0.765984	0.746271
1600025M17Rik	0	0	0	0
1600027J07Rik	0	0	0	0
1600029I14Rik	0	0	0	0
1600029O15Rik	0.14474	0	0	0.162134
1700001C02Rik	0	0	0	0
1700001C19Rik	0.273332	0.409814	0.090993	0.177017
1700001D01Rik	0	0	0	0
1700001F09Rik	0	0	0	0
1700001G01Rik	0	0	0	0
1700001G11Rik	0	0	0.374805	0
1700001G17Rik	0.028986	0.463265	0.498511	0.880117
1700001J03Rik	2.857327	0.244614	0	0
1700001J11Rik	0.040157	0.194838	0.0697	0.078081
1700001K19Rik	0	0.311322	0.464545	0.446032

1700001K23Rik	0	0	0	0
1700001L05Rik	0.502008	0.317774	0.259139	0.606896
1700001L19Rik	0	0.281607	0	0
1700001O22Rik	0	0.045897	0	0
1700001P01Rik	0.633192	0	0.683243	2.058178
1700003C15Rik	0	0	0	0
1700003D09Rik	0	0	0	0
1700003E16Rik	0.120864	0.076443	0.048041	0.167241
1700003E24Rik	0	0	0	0
1700003F12Rik	4.038249	0.886008	0.768522	1.483707
1700003G13Rik	0	0	0	0
1700003G18Rik	0	0	0	0
1700003H04Rik	0	0	0	0
1700003I22Rik	0	0	0	0
1700003L19Rik	0	0	0	0
1700003M02Rik	0	0	0	0
1700003M07Rik	0	0	0	0.079094
1700003P14Rik	0	0	0	0
1700006A11Rik	0	0	0	0
1700006E09Rik	0	0	0	0
1700006F04Rik	0	0	0	0
1700006H21Rik	0	0	0	0
1700007B14Rik	0	0	0	0
1700007F19Rik	0	0	0	0
1700007G11Rik	0	0	0	0
1700007J10Rik	0.657343	0.623337	0.627221	0.430079
1700007K09Rik	0	0	0	0
1700007K13Rik	0	0	0	0
1700007L15Rik	1.984379	3.102737	4.622272	2.766187
1700007P06Rik	0	0	0	0
1700008C04Rik	0	0	0	0
1700008J07Rik	0.71372	0.696638	1.195235	0.709884
1700008K24Rik	0	0	0	0
1700008O03Rik	0	0	0	0
1700008P02Rik	0	0	0	0
1700009C05Rik	0	0	0	0
1700009J07Rik	0	0	0	0
1700009N14Rik	0	0	0	0
1700010B08Rik	0	0	0	0
1700010D01Rik	0	0	0	0
1700010I02Rik	0	0	0	0
1700010I14Rik	0	0.112963	0.077962	0.499676
1700010J16Rik	0	0	0	0
1700010K23Rik	0	0	0	0
1700011A15Rik	0	0	0	0
1700011B04Rik	0	0	0	0
1700011C11Rik	0	0	0	0
1700011E24Rik	0	0	0	0
1700011H14Rik	0	0	0	0

1700011I03Rik	0	0	0	0
1700011L22Rik	0	0	0	0
1700011M02Rik	0	0	0	0
1700012A03Rik	0	0	0	0
1700012B07Rik	0	0	0	0
1700012B09Rik	44.957577	56.521786	58.201679	98.362953
1700012C14Rik	0	0	0	0
1700012D01Rik	2.017397	0.584439	0.141703	1.879657
1700012D14Rik	0	0	0	0
1700012D16Rik	0	0	0	0
1700012H19Rik	0	0	0	0
1700012I11Rik	0	0	0	0
1700012L04Rik	0.460146	0	0.093794	0
1700012P22Rik	0	0	0	0
1700013D24Rik	0	0	0	0
1700013F07Rik	0	0	0	0
1700013G24Rik	0	0	0	0
1700013H16Rik	0	0	0	0
1700015E13Rik	0.323955	0	0	0
1700015F17Rik	0	0	0	0
1700015G11Rik	0	0	0	0
1700016C15Rik	0	0	0	0
1700016D06Rik	0	0	0	0
1700016G22Rik	0	0	0	0
1700016H13Rik	0	0	0	0
1700016K19Rik	0	0	0	0
1700016L04Rik	0	0	0	0
1700016L21Rik	0	0	0	0
1700016P04Rik	0	0	0	0
1700017B05Rik	18.792891	18.669998	13.120573	17.346725
1700017D01Rik	0	0	0	0
1700017G19Rik	0.099116	0	0.080757	0
1700017J07Rik	0	0	0	0
1700017L05Rik	0	0	0	0
1700017N19Rik	0	0	0	0
1700018A04Rik	0	0	0	0
1700018B08Rik	0	0	0	0
1700018B24Rik	0	0	0	0
1700018C11Rik	0	0	0	0
1700018F24Rik	0	0	0	0
1700018G05Rik	0	0	0	0
1700018L02Rik	0.198694	0.897288	0.056337	0.191384
1700019A02Rik	0	0	0	0
1700019B03Rik	0.18433	0	0	0
1700019B21Rik	0	0	0	0
1700019C18Rik	0	0	0	0
1700019D03Rik	0	0	0	0
1700019E08Rik	0	0	0	0
1700019G17Rik	0.160989	0.289852	0.174071	1.07275

1700019G24Rik	0	0	0	0
1700019L03Rik	2.170081	0.981632	0.525537	1.344837
1700019M22Rik	0	0	0	0
1700019N19Rik	0	0	0	0
1700019O17Rik	0	0	0	0
1700020A23Rik	0.42354	0.302199	0	0
1700020D05Rik	1.69687	1.382371	1.969029	1.476431
1700020D14Rik	0	0	0	0
1700020G17Rik	0	0	0	0
1700020I14Rik	11.126234	13.223598	15.604935	20.132137
1700020L24Rik	3.104324	7.267153	4.214175	4.268028
1700020M21Rik	0	0	0	0
1700020N01Rik	0	0	0	0
1700020N15Rik	0	0	0	0
1700020N18Rik	0	0	0	0
1700021F05Rik	30.486671	30.820581	26.253607	33.268253
1700021F07Rik	0	0	0	0
1700021K19Rik	7.769642	11.708101	8.8175	8.163218
1700021N21Rik	0	0	0	0
1700022A21Rik	0	0	0	0
1700022A22Rik	0	0	0	0
1700022E09Rik	0	0	0	0
1700022H01Rik	0	0	0	0
1700022H16Rik	0	0	0	0
1700022I11Rik	0	0	0	0
1700023C21Rik	0	0	0	0
1700023F02Rik	0	0	0	0
1700023F06Rik	0	0	0	0
1700024B18Rik	0	0	0	0
1700024F13Rik	0	0	0	0
1700024G13Rik	0	0	0	0
1700024I08Rik	0	0	0	0
1700024N05Rik	0	0	0	0
1700024P04Rik	0	0	0	0
1700024P16Rik	0	0	0	0.108116
1700025B11Rik	0	0	0	0
1700025C18Rik	0	0	0	0
1700025F22Rik	0	0	0	0
1700025F24Rik	0	0	0	0
1700025G04Rik	2.179151	2.256171	1.701705	1.758246
1700025J12Rik	0	0	0	0
1700025K24Rik	0	0	0	0
1700025M24Rik	0	0	0	0
1700025N23Rik	0.219752	0	0.466419	0.460685
1700026D08Rik	0	0	0	0
1700026D11Rik	0	0	0	0
1700026F02Rik	0	0	0	0
1700026J14Rik	0	0	0.103062	0
1700026L06Rik	0	2.158665	2.036209	3.845334

1700027A15Rik	0	0	0	0
1700027F06Rik	0	0	0	0
1700027F09Rik	0	0	0	0
1700027H10Rik	0	0	0	0
1700027I24Rik	0	0	0	0
1700027J07Rik	0	0	0	0
1700028B04Rik	0	0	0.028546	0
1700028D13Rik	0	0	0	0
1700028E10Rik	0	0	0	0.12862
1700028I16Rik	0	0	0.279783	0
1700028J19Rik	0	0.999419	0.113684	0.293395
1700028K03Rik	0.429807	0.688014	0.657184	0.538195
1700028M03Rik	0	0	0	0
1700028P14Rik	0	0	0	0
1700028P15Rik	0	0	0	0
1700029B22Rik	0	0	0	0
1700029F12Rik	0	0	0	0
1700029H14Rik	0	0	0	0
1700029I15Rik	0	0	0.520051	0.724607
1700029J03Rik	0	0	0	0
1700029J07Rik	1.72809	1.055667	0.907973	1.28938
1700029M20Rik	0	0	0	0
1700029N11Rik	0	0	0	0
1700029P11Rik	0.432309	0	0	0.028341
1700030A11Rik	0	0	0	0
1700030C10Rik	0	0.133226	0	0.264853
1700030F04Rik	0	0	0	0
1700030F18Rik	0	0	0	0
1700030J22Rik	0.116755	0.098122	0.189829	0.134933
1700030K09Rik	5.828622	9.203729	6.995774	6.648873
1700030L20Rik	0	0	0	0
1700030M09Rik	0	0	0	0
1700030N03Rik	0	0	0	0
1700030O20Rik	0	0	0	0
1700031A10Rik	0	0	0	0
1700031F05Rik	0	0	0	0
1700031M16Rik	0	0	0	0
1700031P21Rik	0	0	0	0
1700034E13Rik	0	0	0	0
1700034G24Rik	0	0	0	0
1700034H15Rik	0	0.125672	0.113502	0.11976
1700034I23Rik	0.37502	0.08142	0.205647	0.197685
1700034J05Rik	0	0	0	0
1700034K08Rik	0	0	0	0
1700034O15Rik	0	0	0	0
1700034P13Rik	0.09584	0.574902	0.385124	0.225898
1700036G14Rik	0	0	0	0
1700037C18Rik	1.004636	2.33713	2.783038	2.045185
1700037H04Rik	29.323084	30.782598	30.031824	31.273235

1700039E15Rik	0	0	0	0
1700039E22Rik	0	0	0	0
1700040L02Rik	0	0	0	0
1700041A01Rik	0	0	0	0
1700041C23Rik	0	0	0	0
1700041M19Rik	0	0	0	0
1700042G07Rik	0	0	0	0
1700042G15Rik	0	0	0	0
1700042O10Rik	0	0	0	0
1700044C05Rik	0	0	0	0
1700044K03Rik	0	0	0	0
1700045H11Rik	0	0	0	0
1700046C09Rik	0	0	0	0
1700047A11Rik	0	0	0	0
1700047E10Rik	0	0	0	0
1700047G03Rik	0	0	0	0
1700047I17Rik2	3.450886	0.982895	1.839364	1.678376
1700047L14Rik	0	0	0	0
1700047M11Rik	0	0	0	0
1700048M11Rik	0	0.620548	0.457275	0.304474
1700048O20Rik	0.10726	0	0.079938	0.280584
1700049E15Rik	0	0	0	0
1700049E22Rik	0	0	0	0
1700049G17Rik	0.501658	0.647231	0.594107	0.692927
1700049L16Rik	0	0	0	0
1700051A21Rik	0	0	0	0
1700052I22Rik	0	0	0	0
1700052K11Rik	1.285848	3.285757	1.750094	1.70687
1700054A03Rik	0	0	0	0
1700054K19Rik	0	0	0	0
1700054M17Rik	0	0	0	0
1700055C04Rik	0	0	0	0
1700056E22Rik	0.61221	0.917902	0.367319	0.660265
1700057G04Rik	0	0	0	0
1700057H15Rik	0	0	0	0
1700057H21Rik	0	0	0	0
1700060C16Rik	0	0	0	0
1700060C20Rik	0	0	0	0
1700061F12Rik	0	0	0	0
1700061G19Rik	0.505996	0	0.127988	0.371237
1700061I17Rik	0	0	0.250978	0
1700061J23Rik	0	0	0	0
1700063A18Rik	0	0	0	0
1700063D05Rik	0	0	0	0
1700063O14Rik	0	0	0	0
1700064J06Rik	0	0	0	0
1700064M15Rik	0	0	0	0
1700065D16Rik	0	0	0	0.257453
1700065I16Rik	0	0	0	0

1700065J11Rik	0	0	0	0
1700065J18Rik	0	0.315066	0	0
1700065L07Rik	0	0	0	0
1700065O20Rik	0	0	0	0
1700066B17Rik	0	0	0	0
1700066B19Rik	0.13853	0	0	0.247472
1700066J03Rik	0	0	0	0
1700066M21Rik	0.729168	3.05463	3.047414	2.330225
1700066N21Rik	0	0	0	0
1700066O22Rik	0	0	0	0
1700067G17Rik	0	0	0	0
1700067K01Rik	0.391715	0	0.340539	0.845928
1700067P10Rik	0	0	0	0
1700069L16Rik	0	0	0	0
1700069P05Rik	0	0	0	0
1700071K01Rik	0	0.027251	0.023719	0.055918
1700071M16Rik	0.454459	0.355833	0.511355	0.559957
1700072B07Rik	0	0	0	0
1700072I22Rik	0	0	0	0
1700072O05Rik	0	0	0	0
1700073E17Rik	0	0	0	0.024232
1700074H08Rik	0	0	0	0
1700074P13Rik	0	0	0	0
1700080E11Rik	0	0	0	0
1700080N15Rik	0	0	0	0
1700080O16Rik	0	0	0	0
1700081H04Rik	0	0	0	0
1700084C01Rik	0	0	0	0.080616
1700084D21Rik	0	0	0	0
1700084E18Rik	7.036541	1.6776	1.012067	1.588835
1700084F23Rik	0	0	0	0
1700084J12Rik	0.06327	0.172579	0.352979	0.435655
1700084M14Rik	0	0	0	0
1700085C21Rik	0	0	0	0
1700086L19Rik	0	0	0	0
1700086O06Rik	2.119349	3.391955	2.761424	3.270273
1700088E04Rik	0.208751	0.356571	0.477587	0.125427
1700091H14Rik	0	0	0	0
1700092C02Rik	0	0	0	0
1700092C10Rik	0	0	0	0
1700092E19Rik	0	0	0	0
1700092K14Rik	0	0	0	0
1700092M07Rik	0	0	0.067708	0
1700093K21Rik	0	0	0	0
1700094D03Rik	2.540237	2.55605	1.454942	3.581098
1700094J05Rik	0	0.120427	0.062227	0
1700094M24Rik	0	0	0	0
1700095A21Rik	0	0	0	0
1700095B10Rik	0	0	0	0

1700095J12Rik	0	0	0	0
1700096J18Rik	0	0	0	0
1700096K18Rik	1.252591	0.409159	0.852302	1.359285
1700096P03Rik	0	0	0	0
1700097N02Rik	0	0	0	0
1700099I09Rik	0	0	0.135469	0.458542
1700100I10Rik	0	0	0	0
1700100L14Rik	0	0	0	0
1700101E01Rik	0	0	0.21086	0
1700101I11Rik	0	0	0.171408	0.208642
1700101O22Rik	0	0	0	0
1700102H20Rik	0	0	0	0
1700102P08Rik	0.308464	0.425061	0	1.047339
1700104L18Rik	0	0	0	0
1700105P06Rik	0.089287	0	0.235415	0.08785
1700106J16Rik	0	0	0	0
1700108F19Rik	0	0	0	0
1700108J01Rik	0	0	0	0
1700109G14Rik	0	0	0	0
1700109G15Rik	0	0	0	0
1700109H08Rik	0.584055	0	0	0
1700109I08Rik	0	0	0	0
1700109K24Rik	1.033646	1.682468	2.410576	1.042518
1700110C19Rik	0	0.271285	0.204606	0.234746
1700110I01Rik	0	0	0	0
1700110I07Rik	0	0	0	0
1700110K17Rik	0	0	0	0
1700111N16Rik	0	0	0	0
1700112E06Rik	0	0	1.713104	3.436301
1700112H15Rik	0	0	0	0
1700112J05Rik	0	0	0	0
1700112J16Rik	0.144985	0	0	0.075806
1700113A16Rik	28.025375	19.793207	16.289373	14.818596
1700113B09Rik	0	0	0	0
1700113H08Rik	0	0	0	0
1700116B05Rik	0	0	0	0
1700119H24Rik	0	0	0	0
1700120C14Rik	0	1.120749	0	0.453788
1700120E14Rik	0	0	0	0
1700120G07Rik	0	0	0	0
1700120K04Rik	0.593799	0.358392	0.517508	0.468907
1700121L16Rik	0	0	0	0
1700121N20Rik	0	0	0	0
1700122C19Rik	0	0	0	0
1700122O11Rik	0	0	0	0
1700123I01Rik	0	0	0	0
1700123J17Rik	0	0	0	0
1700123K08Rik	0	0	0	0
1700123L14Rik	0	0	0	0

1700123M08Rik	0.63466	1.747037	1.220096	0.59459
1700123O12Rik	0	0	0	0
1700123O20Rik	17.9174	22.839474	33.116711	44.748856
1700123O21Rik	0	0	0	0
1700124L16Rik	0	0	0	0.528503
1700125G02Rik	0	0	0	0
1700125G22Rik	0	0	0	0
1700125H03Rik	0	0	0.339586	0
1700125H20Rik	0	0	0	0
1700126H18Rik	0	0	0	0
1700128A07Rik	0	0	0	0
1700128F08Rik	0	0	0	0
1700129C05Rik	0	0	0	0
1810006J02Rik	0	0	0	0
1810007C17Rik	0	0	0	0
1810007D17Rik	0	0	0	0
1810008I18Rik	0	0	0	2.484131
1810009A15Rik	44.325547	93.301665	122.849599	113.175646
1810009J06Rik	0	0	0	0
1810010D01Rik	0.427049	0	0	0
1810010H24Rik	1.170542	0.462766	0.409961	1.200037
1810011H11Rik	1.544826	8.590226	10.545928	25.025749
1810011O10Rik	48.310673	132.835236	120.152512	49.355858
1810012K16Rik	0	0	0	0
1810013A23Rik	0.865752	0	0.414088	0.416503
1810013L24Rik	10.278336	11.572769	9.76553	12.309816
1810014B01Rik	1.035947	1.925185	3.141749	1.978011
1810018F18Rik	0	0	0	0
1810019D21Rik	0.561975	0.386654	0.208615	0.906905
1810020O05Rik	0	0	0	0
1810021B22Rik	0.893282	0	0.517913	1.08724
1810022K09Rik	27.902748	61.307697	111.210365	83.737732
1810024B03Rik	0	0.196822	0.233373	0
1810026B05Rik	8.486066	2.494352	4.694752	2.785937
1810026J23Rik	13.506098	12.047209	9.262807	12.651398
1810030O07Rik	9.183965	17.240969	15.731857	16.850315
1810032O08Rik	31.858247	15.452499	24.04455	20.264705
1810034E14Rik	0.382793	0.694018	0.776448	0.692741
1810037I17Rik	115.449379	114.086082	175.082016	191.975098
1810041H14Rik	0	0	0	0.772967
1810041L15Rik	0	0	0	0.046171
1810043G02Rik	12.136878	5.781926	6.331368	6.869372
1810043H04Rik	36.377182	34.64275	32.849144	44.940098
1810044D09Rik	4.278382	2.499168	2.827521	4.834555
1810046K07Rik	0	0	0	0
1810053B23Rik	0	0	0	0
1810055G02Rik	14.810081	30.072758	19.576372	24.621632
1810058I24Rik	68.238332	33.075706	31.717338	52.542666
1810062G17Rik	1.601992	1.090417	1.180449	1.077046

1810062O18Rik	0.591219	0	0.514544	0.284854
1810063I02Rik	0	0	0	0
1810064F22Rik	0.086106	0	0	0.068919
1810065E05Rik	0	0	0	0
2010001A14Rik	5.385233	6.254363	9.180634	9.531056
2010001E11Rik	0	0	0	0.076205
2010003K11Rik	0	0	0	1.082282
2010005H15Rik	0	0	1.999408	1.691318
2010009K17Rik	0	0	0	0
2010010A06Rik	0	0	0	0
2010012O05Rik	2.777099	4.900892	6.516093	6.337995
2010016I18Rik	0.25021	0.326795	0.688164	1.47778
2010106C02Rik	0	0	0	0
2010106E10Rik	0	0	0	0
2010107E04Rik	283.815552	317.994446	585.826599	519.812622
2010107G12Rik	0	0	0.090665	0.133049
2010107G23Rik	0	0	0.056894	0.125632
2010109A12Rik	0	0	0	0
2010109I03Rik	0	0	0.077242	0
2010111I01Rik	4.183264	12.942817	8.717708	19.212113
2010204K13Rik	9.906837	13.321757	21.585628	13.579515
2010300C02Rik	0.317104	0.413554	0.718836	0.618352
2010308F09Rik	0	0	0	0
2010310C07Rik	0	0	0	0
2010315B03Rik	0.905961	1.141717	0.719845	2.119323
2010320M18Rik	11.250904	8.649782	10.466146	17.04266
2200002D01Rik	55.837555	60.17527	71.037613	68.453964
2200002J24Rik	0	0	0	0
2210010C04Rik	0	0	0	0
2210011C24Rik	0.430915	0	0	0.254273
2210013O21Rik	21.921164	17.550461	21.549049	18.518711
2210015D19Rik	3.735317	6.368259	6.485337	8.878016
2210016F16Rik	1.66164	2.873292	1.885684	5.258453
2210016L21Rik	13.376124	16.867809	17.588282	22.143818
2210018M11Rik	6.253675	9.613621	7.65534	7.609484
2210019I11Rik	0	0	0	0
2210039B01Rik	0	0	0	0.184462
2210404E10Rik	0	0	0	0
2210404O09Rik	0.90615	1.635037	2.515129	1.407691
2210406O10Rik	0	0	0	0.356142
2210407C18Rik	0	0	0	0
2210408F21Rik	0	2.074015	3.035807	5.421611
2210408I21Rik	0.160175	0.722553	0.39872	0.700664
2210409D07Rik	0	0	0	0
2210409E12Rik	0	0	0	0
2210414B05Rik	0	0	0	0
2210416O15Rik	0.695735	0.268495	0.61038	0.937731
2210417A02Rik	0.090099	0.290606	0.537184	0.684604
2210420H20Rik	0	0	0	0

2300002M23Rik	0	0	0	0
2300003K06Rik	0	0	0	0
2300005B03Rik	0	0	0	0
2300009A05Rik	12.160384	8.345752	6.871896	10.630275
2310001H17Rik	0.267984	0.890887	1.372098	1.666582
2310001K24Rik	0	0	0	0
2310002D06Rik	0	0	0	0
2310002F09Rik	0	0.049838	0.076607	0.0903
2310002L09Rik	0	0.177156	0	0
2310003N18Rik	0	0	0	0
2310005A03Rik	0	0	0	0
2310005E17Rik	0	0	0	0
2310007B03Rik	2.331185	2.066645	0.508261	4.607408
2310008N11Rik	0	0	0	0
2310009A05Rik	5.087025	14.710955	9.066367	18.024885
2310009B15Rik	24.172485	24.637444	41.798344	33.654961
2310010G23Rik	1.663264	0.77609	1.489148	1.76292
2310010J17Rik	0	2.547283	3.105659	8.622266
2310011J03Rik	12.965532	17.757528	19.036215	27.899513
2310015A10Rik	2.598869	1.984367	2.260618	2.013925
2310015D24Rik	0	0.120048	0.067299	0
2310016D03Rik	0	0	0	0
2310020H05Rik	0	0	0	0
2310022A10Rik	9.226115	11.032669	8.801526	8.204099
2310022B05Rik	66.984497	34.824047	32.840885	26.557405
2310030A07Rik	0	0	0	0
2310030G06Rik	0.797974	0.397186	0.474709	1.383893
2310033P09Rik	18.724371	15.839635	12.678812	14.872683
2310034C09Rik	0	0	0	0
2310034G01Rik	0.745409	1.608131	1.621397	4.067942
2310034O05Rik	0	0	0	0
2310035C23Rik	3.476294	4.864166	4.020171	4.430449
2310036O22Rik	117.336006	163.897629	127.89109	155.86496
2310039H08Rik	34.916573	16.788563	21.00305	22.407372
2310039L15Rik	0	0	0	0
2310040G24Rik	0.688004	1.682654	2.339656	0.769917
2310043L19Rik	0	0	0	0
2310043O21Rik	0	0	0	0
2310045N01Rik	16.965526	21.734179	26.867232	26.547556
2310045n01rik-mef2b	3.279124	0.489479	0.694705	0.322434
2310047M10Rik	25.864788	11.878183	12.248697	14.81511
2310050C09Rik	0	0	0	0
2310057J18Rik	0	0	0	0
2310057M21Rik	1.9936	5.445607	3.679569	3.964633
2310057N15Rik	0	0	0	0
2310061I04Rik	22.432058	20.26774	14.132401	15.803696
2310061N02Rik	0	0	0	0
2310065F04Rik	0	0.171335	0	0
2310067B10Rik	15.241448	15.243913	14.909613	9.43626

2310068J16Rik	1.300662	0.253939	0.340686	1.195068
2310069B03Rik	0	0	0.16136	0.05537
2310069G16Rik	0	0	0	0
2310075C17Rik	0	0	0	0
2310079G19Rik	0	0	0	0
2310081J21Rik	0	0	0	0
2400006E01Rik	0	0	0	0
2410002F23Rik	33.904221	37.218269	33.666687	29.996922
2410003L11Rik	0	0	0	0
2410004B18Rik	26.88632	20.852636	22.85561	33.578209
2410004I01Rik	0	0	0	0
2410004P03Rik	0	0	0	0.258257
2410006H16Rik	2483.352783	701.909424	1236.218994	1068.456909
2410012E07Rik	0	0	0	0
2410015M20Rik	107.380066	89.457535	140.34201	128.071991
2410016O06Rik	10.775464	12.151352	8.59458	10.905348
2410017I17Rik	0	0.085667	0.142983	0.328067
2410018L13Rik	0	0	0	0.296483
2410021H03Rik	0	0	0	0
2410089E03Rik	5.469831	5.435679	5.248089	3.737932
2410124H12Rik	0	0	0	0
2410127L17Rik	4.03191	6.646145	6.712628	4.765613
2410131K14Rik	4.90939	6.155939	5.585658	6.28607
2410137M14Rik	0	0	0	0
2410141K09Rik	0	0	0	0
2500002B13Rik	3.783535	4.627481	7.466365	4.242123
2500004C02Rik	0.531223	1.566901	1.491994	1.431613
2510002D24Rik	16.234356	15.538405	21.24353	14.983215
2510003B16Rik	0	0	1.168145	0.676455
2510009E07Rik	1.382476	4.272679	4.260632	4.977217
2510039O18Rik	20.392393	27.187792	23.542557	29.466562
2610001J05Rik	7.397306	19.06245	20.579353	19.912214
2610002M06Rik	2.171753	3.270817	3.976777	2.76374
2610005L07Rik	12.835812	14.054111	12.836467	7.841298
2610008E11Rik	2.103148	2.328151	3.479492	3.043122
2610015P09Rik	2.920835	3.669167	3.364971	3.618134
2610016A17Rik	0	0	0	0
2610020C07Rik	1.750086	1.842074	1.935917	1.775679
2610020H08Rik	1.683881	2.697058	3.674034	2.57962
2610027K06Rik	0	0.124769	0.077342	0.149064
2610028E06Rik	0	0	0	0
2610028H24Rik	0	0	0	0
2610035D17Rik	4.071237	3.481551	4.518807	4.337754
2610035F20Rik	0	0	0	0
2610037D02Rik	0	0	0	0
2610042L04Rik	0	0	0	0
2610044O15Rik8	1.424365	2.937746	4.444356	4.515461
2610100L16Rik	0	0	0	0
2610203C22Rik	0	1.824382	1.429577	0.693723

2610206C17Rik	0	0.123555	0.228667	0.06761
2610301B20Rik	3.147634	4.347184	4.926972	3.489359
2610305D13Rik	0.135447	0.471868	0.177855	0.172853
2610306M01Rik	3.731101	6.649096	5.858856	5.657633
2610307P16Rik	0.427635	0	0.177058	0.438127
2610316D01Rik	0	0	0	0
2610318N02Rik	0.62419	2.494581	3.425405	1.922351
2610507B11Rik	19.980614	40.443115	32.365475	27.416386
2610507I01Rik	0.511747	1.647941	1.603528	2.53707
2610524H06Rik	3.477706	7.764098	10.724643	14.230135
2610528A11Rik	6.535558	0.505105	0.389939	4.468414
2610528J11Rik	0	0	0	0.253741
2700029M09Rik	16.866852	27.643646	28.897139	29.800802
2700038G22Rik	3.78753	8.269765	9.215129	14.214069
2700046A07Rik	0	0	0	0
2700046G09Rik	0.565298	0.334991	0.646242	0.657185
2700049A03Rik	2.112523	2.461912	2.707463	2.159815
2700054A10Rik	0.124911	0.217544	0.332658	0.16065
2700060E02Rik	107.546387	84.334053	111.642067	100.20224
2700062C07Rik	14.027225	10.695186	12.754842	13.19998
2700069I18Rik	1.251317	1.153861	2.899096	2.159429
2700070H01Rik	0	0	0	0.232705
2700081O15Rik	14.229238	19.643009	11.976551	15.980742
2700089I24Rik	0	0	0	0
2700094K13Rik	81.944482	104.062279	163.028525	120.861426
2700097O09Rik	3.105401	6.105653	8.369494	6.028158
2700099C18Rik	3.671447	8.855746	14.539455	6.036531
2810001G20Rik	6.302162	8.807863	16.730196	15.331338
2810002D19Rik	1.502452	4.391373	4.892284	3.924908
2810004N23Rik	21.571966	35.859619	35.463139	34.608986
2810006K23Rik	2.930429	7.94601	7.787876	6.435537
2810013P06Rik	4.90948	7.951567	7.956391	7.855881
2810021J22Rik	1.676804	1.812174	1.655933	1.426335
2810025M15Rik	23.429085	35.510624	43.84156	30.61874
2810029C07Rik	0.873683	1.861496	2.235642	1.6308
2810032G03Rik	0	0	0	0.092279
2810047C21Rik1	0	0	1.807021	0
2810049E08Rik	0	0	0	0
2810403A07Rik	29.231071	29.462019	31.200171	26.02343
2810403D21Rik	0.246538	0	0.342978	1.737429
2810404M03Rik	0	0	0	0
2810405F15Rik	0.418017	0.191373	0.316199	0.217834
2810408A11Rik	3.028344	2.573102	1.970239	1.633761
2810408I11Rik	0.745977	5.945985	6.112524	3.558037
2810410L24Rik	3.50328	2.140623	3.241452	2.325272
2810417H13Rik	1.817762	17.028683	27.628712	12.75983
2810428I15Rik	61.558819	64.200768	60.584183	70.682678
2810429I04Rik	0	0	0	0
2810433D01Rik	0.913642	0.654773	1.25307	1.70388

2810442N19Rik	0	0	0	0
2810454H06Rik	0.385441	0.251319	0.425543	0.602418
2810459M11Rik	0.177925	0	0	0.652923
2810468N07Rik	0.55101	0.188712	0.25357	0.172108
2810471M01Rik	0	0	0	0
2810474O19Rik	9.319527	6.828519	12.63137	15.529497
2900005J15Rik	0.700697	0.174752	0.409824	0.534467
2900008C10Rik	0.504286	0.366884	0.217243	0.92471
2900009J06Rik	3.673845	4.200209	2.967244	4.23983
2900011O08Rik	0	0.071585	0.271823	0.07164
2900026A02Rik	11.607657	19.483776	15.255857	12.521035
2900041M22Rik	0	0.343471	0.145576	0.636864
2900052N01Rik	0	0	0	0
2900055J20Rik	0	0	0	0
2900057B20Rik	0	0	0	0
2900060B14Rik	0.249016	0.14214	0.412411	0.820579
2900076A07Rik	1.587532	3.372614	3.988851	4.773526
2900079G21Rik	0	0.074502	0	0
2900092C05Rik	0	0	0	0
2900092D14Rik	0	0	0	0
2900097C17Rik	23.100727	22.984026	16.934582	21.158674
3000002C10Rik	2.990829	2.439953	3.605826	2.592975
3010001F23Rik	0	0	0	0
3010026O09Rik	3.333519	5.447264	4.919844	4.876318
3100003L05Rik	0	0	0	0
3110001I22Rik	1.30407	1.986763	2.107979	2.709029
3110002H16Rik	15.281457	22.843058	20.289179	20.239241
3110009E18Rik	5.365267	7.844632	11.348309	8.966524
3110009F21Rik	0	0	0	0
3110015C05Rik	0	0	0	0
3110021A11Rik	0.833921	0.755892	0.413535	1.238821
3110021N24Rik	0.152478	0	0	0
3110035E14Rik	0	0	0	0.109032
3110039I08Rik	3.956595	15.559166	12.44938	18.003257
3110039M20Rik	34.522358	24.011196	38.515869	25.473814
3110040N11Rik	19.73995	13.511868	19.622414	19.836321
3110043O21Rik	7.419082	7.045819	9.365139	8.986369
3110045C21Rik	0	0	1.273036	0.358886
3110052M02Rik	0.454773	0.658809	0.900415	1.07048
3110056K07Rik	3.166216	4.879868	6.804961	12.649774
3110057O12Rik	3.444236	2.344822	4.927191	2.31711
3110062M04Rik	0.805728	5.221577	3.341279	4.361873
3110070M22Rik	0.307517	0.112341	0.392305	1.080594
3110079O15Rik	0	0	0	0
3110082I17Rik	16.816538	26.758324	32.017185	22.566839
3110082J24Rik	0	0	0	0
3110099E03Rik	0	0	0	0
3200001D21Rik	0	0	0.055771	0.059592
3300002I08Rik	0	0.249431	0.303962	0

3300002P13Rik	0	0.349688	0	0
3300005D01Rik	20.931296	35.164088	44.535754	44.929563
3425401B19Rik	0	0.633742	0	0
3632451O06Rik	0.180328	1.427675	0.195438	0.133914
3632454L22Rik	0	0	0	0
3830403N18Rik	0	0	0	0
3830406C13Rik	1.235644	3.948767	4.2598	4.218555
3830408C21Rik	0.18276	0.133829	0.356011	0.39511
3830417A13Rik	0	0	0.147716	0
3830432H09Rik	0	0	0	0.048089
3930402G23Rik	0	0.138694	0.034592	0.079919
4430402I18Rik	0	0	0	0
4631405J19Rik	0	0	0	0
4632404H12Rik	1.418686	2.022819	2.484872	2.012179
4632415L05Rik	3.028096	4.544798	5.54096	3.861854
4632427E13Rik	1.103179	1.06294	1.253938	1.417101
4632428C04Rik	0	0.09949	0.162247	0.190609
4632428N05Rik	10.475055	18.766399	25.722899	26.851773
4732416N19Rik	0	0	0	0
4732456N10Rik	0	0	0	0
4732471J01Rik	0.352872	0	0.670455	0.605306
4732490B19Rik	0	0	0	0
4732491K20Rik	0	0	0.355997	0.251631
4831407H17Rik	0	0	0	0
4831440E17Rik	0.337496	0.168131	0.210149	0.572035
4833411C07Rik	0	0	0.076685	0.433313
4833412C05Rik	0	0	0	0
4833415N18Rik	0	0	0	0
4833417C18Rik	1.236788	1.732322	1.927362	1.356544
4833418N02Rik	1.596293	1.535661	0.717605	1.140424
4833419F23Rik	2.12747	0	0.446399	0.460306
4833420G17Rik	18.5561	13.601189	16.60638	13.610529
4833422C13Rik	0.265849	0.790543	0.47713	1.217729
4833422M21Rik	0	0	0	0
4833423E24Rik	0	0	0	0
4833427F10Rik	0.574644	0.228172	0.13168	0.665205
4833427G06Rik	0	0	0	0.185895
4833428L15Rik	0	0	0	0
4833439L19Rik	16.048849	24.726143	16.194432	19.834132
4921501E09Rik	0	0	0	0
4921504A21Rik	0	0	0	0.080765
4921504E06Rik	0	0	0	0
4921506M07Rik	0.327904	0.19737	0.1962	0.185759
4921507L20Rik	0.774167	0.295791	0.62006	0.641092
4921507P07Rik	0	0	0	0.095355
4921508D12Rik	0	0	0	0
4921509C19Rik	0	0	0	0
4921509O07Rik	0	0	0	0
4921511C10Rik	0	0	0	0

4921511C20Rik	0	0	0	0
4921511H03Rik	0	0	0	0
4921511I17Rik	0	0	0	0
4921511M17Rik	0	0	0	0
4921513I03Rik	0.188658	0	0	0
4921515E04Rik	0	0	0	0
4921517D22Rik	0	0	0	0
4921518K17Rik	0	0	0	0
4921524J17Rik	19.113624	14.737879	16.302554	19.896831
4921524L21Rik	0	0	0	0
4921525O09Rik	0	0	0	0
4921529L05Rik	0	0	0	0
4921530L21Rik	0	0	0	0
4921531C22Rik	0.402861	0.899209	0.487334	0.911224
4921531P14Rik	0	0	0	0
4921533I20Rik	0	0	0	0
4921534H16Rik	0	0	0	0
4921536K21Rik	1.076681	0.804064	0.435114	0.639112
4921539E11Rik	0	0	0	0
4922502D21Rik	0	0	0	0
4922502H24Rik	0	0	0	0
4922502N22Rik	0	0	0	0
4930401C15Rik	0	0	0	0
4930401O10Rik	0	0	0	0
4930401O12Rik	0	0	0	0
4930402F06Rik	0	0	0	0
4930402F11Rik	0	0	0	0
4930402H24Rik	4.110151	5.192896	3.712508	4.789227
4930402K13Rik	0	0	0	0
4930404A05Rik	0	0	0	0
4930404H11Rik	0	0	0	0
4930404I05Rik	2.417429	1.161743	1.570339	1.273596
4930404N11Rik	6.364896	9.396801	10.004629	12.114995
4930405A10Rik	0	0	0	0
4930405A21Rik	0	0	0.197957	0.35001
4930405D11Rik	0	0	0	0
4930405J17Rik	0	0	0	0
4930405L22Rik	0	0	0	0
4930405O22Rik	0	0	0	0.12143
4930406D18Rik	0	0	0	0
4930407G08Rik	0	0	0	0
4930407I10Rik	0	0	0	0
4930407I19Rik	0	0	0	0
4930412B13Rik	0	0	0	0
4930412C18Rik	0	0	0	0
4930412O13Rik	0	0	0	0
4930413E15Rik	0	0	0	0
4930413F20Rik	0	0	0	0
4930413G21Rik	9.7162	5.0342	3.676161	4.52092

4930413M19Rik	0	0	0	0
4930414N06Rik	0	0	0	0
4930415F15Rik	0	0	0	0
4930415L06Rik	0	0	0	0
4930415O20Rik	0	0	0	0
4930417O13Rik	0	0	0	0
4930417O22Rik	0	0	0	0
4930419G24Rik	0	0	0	0
4930423M02Rik	0	0	0	0
4930425K10Rik	0	0	0	0
4930425L21Rik	0	0	0	0
4930425O10Rik	0	0	0	0
4930426D05Rik	0	0	0	0
4930426L09Rik	0.100042	0.142762	0.066274	0.03906
4930427A07Rik	1.832604	6.404809	6.127392	5.051371
4930428D20Rik	0	0	0	0
4930428E07Rik	0	0	0	0
4930428G15Rik	0	0	0	0
4930428O21Rik	0	0	0	0
4930429B21Rik	0.58042	0.412539	0.548478	0.271477
4930429D17Rik	0	0	0	0
4930429F11Rik	0	0	0	0
4930429F24Rik	0	0.162887	0	0
4930430A15Rik	0	0	0	0
4930430F08Rik	1.337481	4.729764	6.193534	4.147813
4930430F21Rik	0	0	0	0
4930430J02Rik	0	0	0	0.514433
4930431F12Rik	0	0	0	0
4930431P03Rik	0.295627	0.241707	0.193342	0.347615
4930432J09Rik	0	0	0	0
4930432K21Rik	0.157895	0.323235	0.37386	0.74458
4930432M17Rik	0	0	0	0
4930433B08Rik	0	0	0	0
4930433I11Rik	0	0	0	0
4930433N12Rik	0	0	0	0
4930434J06Rik	0	0	0	0
4930435E12Rik	0	0	0	0
4930438E09Rik	0	0	0	0
4930440C22Rik	0	0	0	0
4930440I19Rik	0	0	0	0
4930441H08Rik	0	0	0	0
4930441J16Rik	0	0	0	0
4930442J19Rik	0	0	0	0
4930442L01Rik	0	0	0	0
4930443O20Rik	0	0	0	0.185578
4930444F02Rik	0	0	0	0
4930444G20Rik	0	0	0.017318	0.032319
4930444M15Rik	0	0	0	0
4930444P10Rik	0	0	0	0

4930445N18Rik	0	0	0	0
4930447A16Rik	0	0	0	0
4930447C04Rik	0	0	0	0
4930447F24Rik	2.632178	1.511533	1.810191	1.162309
4930447J18Rik	0	0	0	0
4930447K03Rik	0	0	0	0
4930447M23Rik	0	0	0.063184	0
4930447N08Rik	0	0	0	0
4930448C13Rik	0	0	0	0
4930448F12Rik	0	0	0	0
4930448H16Rik	0	0	0	0
4930448I06Rik	0	0	0	0
4930448I18Rik	0	0	0	0
4930448K20Rik	0.134403	0	0.033446	0.059947
4930449E01Rik	0	0	0	0
4930449E18Rik	0	0	0	0
4930449I24Rik	0	0	0	0
4930451G09Rik	0.087521	0.236998	0.034788	0.040459
4930451I11Rik	0	0	0	0
4930452A19Rik	0	0	0	0
4930452B06Rik	0	0	0	0
4930452G13Rik	0	0	0	0
4930452N14Rik	0	0	0	0
4930453H23Rik	0	0	0	0
4930453L07Rik	0	0	0	0
4930453N24Rik	12.429624	14.674049	15.718991	13.357571
4930455B14Rik	0	0	0	0
4930455C13Rik	1.371792	0.392774	0.338436	0.603527
4930455D15Rik	0	0	0	0
4930455F16Rik	0	0	0	0
4930455G09Rik	1.010517	0.67994	2.578215	3.281087
4930455H04Rik	0	0	0	0
4930455J16Rik	0	0	0	0
4930456L15Rik	0	0	0	0
4930459C07Rik	0	0.209976	0	0.192356
4930459L07Rik	0	0	0	0
4930461G14Rik	0	0	0	0.444503
4930463O16Rik	0	0	0	0
4930465K10Rik	0	0.100861	0.057228	0.137979
4930465M20Rik	0	0	0	0
4930467D21Rik	0.082728	0	0	0
4930467E23Rik	0	0	0	0
4930467K11Rik	0	0	0	0
4930469G21Rik	0	0	0	0
4930470H14Rik	0	0	0	0
4930470O06Rik	0	0	0	0
4930470P17Rik	0	0	0	0
4930471C04Rik	0	0	0	0
4930471G03Rik	0	0	0	0

4930471M09Rik	0	0	0	0
4930473A02Rik	0	0.130362	0.322644	0.103935
4930473O22Rik	0	0	0	0
4930474G06Rik	0	0	0	0
4930474H20Rik	0	0	0	0
4930474M22Rik	0	0	0	0
4930474N05Rik	0	0	0	0
4930474N09Rik	0	0	0	0.098713
4930477N07Rik	0	0	0	0
4930478L05Rik	0	0	0	0
4930478P22Rik	0	0	0	0
4930479D17Rik	0	0	0	0
4930480E11Rik	0	0	0	0
4930480G23Rik	0	0	0	0
4930480K15Rik	0	0	0	0
4930480K23Rik	0.246925	0.162298	0.193198	0.147173
4930480M12Rik	0	0	0	0
4930481A15Rik	0.60842	0.156781	0.201954	0.489192
4930482G09Rik	0	0	0	0
4930483J18Rik	0	0	0	0
4930483K19Rik	0	0	0.212285	0
4930483O08Rik	0	0	0	0
4930484H19Rik	0	0	0	0
4930486F22Rik	0	0	0	0
4930486I03Rik	0	0	0	0
4930486L24Rik	0.714139	0.27812	0.143458	0.277322
4930487D11Rik	0	0	0	0
4930487H11Rik	0	0.593037	1.37808	0.616524
4930488B22Rik	0	0	0	0
4930488L21Rik	0	0	0	0.062345
4930500F04Rik	0	0	0	0
4930500L23Rik	0	0	0	0
4930502A04Rik	0	0	0	0
4930502E09Rik	0	0	0	0
4930502E18Rik	0	0.45944	1.324576	0.096497
4930503B20Rik	0	0	0	0
4930503E14Rik	0	0	0	0
4930503E24Rik	0.520201	0.235963	0.833873	0.382601
4930503F20Rik	0	0	0	0
4930503H13Rik	0	0	0	0
4930503L19Rik	3.93318	9.711526	11.540339	8.749955
4930503O07Rik	0	0	0	0
4930504C09Rik	0	0	0	0
4930504O13Rik	0	0	0	0
4930505A04Rik	0	0	0	0
4930505G20Rik	0	0	0	0
4930505K13Rik	0	0	0	0
4930505K14Rik	0	0	0	0
4930506A18Rik	0	0	0	0

4930506C21Rik	0.413375	0.164468	0.351511	0
4930507D05Rik	0.445902	0.152646	0.441932	0.158733
4930507D10Rik	0	0	0	0
4930509E16Rik	0	0	0	0
4930509J09Rik	0	0	0	0
4930509K18Rik	0	0	0	0
4930511A02Rik	0	0	0	0
4930511A08Rik	0	0	0	0
4930511E03Rik	0	0	0	0
4930511M06Rik	0	0.134877	0.153316	0.122734
4930512B01Rik	0	0.086063	0	0.154673
4930512J16Rik	0	0	0	0.434333
4930512M02Rik	0	0	0	0
4930513D17Rik	0	0	0	0
4930513N10Rik	0.261075	0.5692	0.375154	0.273701
4930513O06Rik	0	0	0	0
4930515B02Rik	0	0	0	0
4930515G01Rik	0.237142	0.373075	0.108639	0.340248
4930515G16Rik	0	0	0	0
4930515L03Rik	0	0	0	0
4930515L19Rik	0	0	0	0
4930517E11Rik	0	0	0	0
4930517M08Rik	0	0	0	0
4930518J21Rik	0	0	0	0
4930518P08Rik	0	0	0	0
4930519D14Rik	0	0	0	0
4930519F09Rik	0.031646	0.022336	0.063743	0.073133
4930519F16Rik	0	0.109165	0	0
4930519F24Rik	0	0	0	0
4930519G04Rik	0	0	0	0
4930519H02Rik	0	0	0	0
4930519K11Rik	0	0	0	0
4930520O04Rik	1.793898	2.500848	2.691317	1.515965
4930520P13Rik	0	0	0	0
4930521E06Rik	0	0	0	0
4930522H14Rik	0	0	0	0
4930522O17Rik	0	0	0	0
4930523C07Rik	11.277709	5.735463	7.964291	6.938524
4930523O13Rik	0	0	0	0
4930524B15Rik	0	0	0	0
4930524B17Rik	0	0	0	0
4930524C18Rik	0	0	0	0
4930524N10Rik	0	0	0	0
4930524O05Rik	0	0	0	0
4930524O08Rik	0	0	0	0
4930525C09Rik	0	0	0	0
4930525D18Rik	0	0	0	0
4930525G20Rik	0	0	0	0.077728
4930526H09Rik	0	0	0	0

4930526I15Rik	6.657241	7.840555	4.433912	6.022481
4930526L06Rik	0	0	0	0
4930527F14Rik	0	0	0	0
4930527G23Rik	0	0	0	0
4930528A17Rik	0.448438	0.079979	0.093708	0.163065
4930528D03Rik	0	0	0	0
4930528G23Rik	0	0	0	0
4930528H21Rik	0	0	0	0
4930528P14Rik	0	0	0	0
4930529C04Rik	0.068333	0.145923	0.093514	0.136411
4930529K09Rik	0	0	0	0
4930529L06Rik	0	0	0	0
4930532I03Rik	0	0	0	0
4930532M18Rik	0	0	0	0
4930533B01Rik	0	0	0	0
4930533N22Rik	0	0	0	0
4930533P14Rik	0	0	0	0
4930538K18Rik	0	0	0	0
4930539C22Rik	0	0	0	0
4930539E08Rik	0	0	0	0.082546
4930539J05Rik	14.700322	12.73753	10.278054	9.835439
4930539M17Rik	0	0	0	0
4930539N22Rik	0	0	0	0
4930540M03Rik	0	0	0	0
4930542C21Rik	0	0	0	0
4930542D17Rik	0	0	0	0.123871
4930543E12Rik	0	0	0	0
4930543N07Rik	0	0	0	0
4930544D05Rik	0	0	0	0
4930544G11Rik	0	0	0	0
4930544M13Rik	0	0	0	0
4930545E07Rik	0	0	0	0
4930545H06Rik	0	0	0	0
4930545L23Rik	0	0	0	0
4930546C10Rik	0	0	0	0
4930546K05Rik	0	0	0	0.021485
4930547E08Rik	0	0	0	0
4930547E14Rik	0	0	0	0
4930548G14Rik	0	0	0	0
4930548H24Rik	0	0	0	0
4930548J01Rik	0	0	0	0
4930548K13Rik	0	0	0	0
4930549C01Rik	0	0	0	0
4930549C15Rik	0	0	0	0
4930549G23Rik	1.201923	0	0.715463	0.62807
4930550C14Rik	0	0	0	0.093845
4930550C17Rik	0	0	0	0
4930550L24Rik	0	0	0	0
4930552N02Rik	0	0	0	0

4930552P12Rik	0	0.152989	0	0.136737
4930553C11Rik	0	0	0	0
4930553E22Rik	0	0	0	0
4930554C24Rik	0	0	0	0
4930554G24Rik	0	0	0	0
4930554H23Rik	0	0	0	0
4930554I06Rik	0	0	0	0
4930555B11Rik	0	0	0	0
4930555B12Rik	0	0	0	0
4930555G01Rik	0	0	0	0
4930555G21Rik	0	0	0	0
4930555K05Rik	0	0	0	0
4930556C24Rik	0	0	0	0
4930556G01Rik	0	0	0	0
4930556J02Rik	0	0	0	0
4930556M19Rik	1.491973	1.604429	2.081472	2.284485
4930556N09Rik	0	0	0	0
4930556N13Rik	0	0.056845	0.06935	0
4930557A04Rik	0	0	0	0
4930557F10Rik	0	0	0	0
4930557J02Rik	0	0	0	0
4930557K07Rik	0	0.858603	1.902678	0.691658
4930558C23Rik	0	0	0	0
4930558F17Rik	0	0	0	0
4930558G05Rik	0	0	0	0
4930558J18Rik	0	0.688951	0.9554	0.141431
4930558K02Rik	0	0	0	0
4930559C10Rik	0	0	0	0
4930562C15Rik	0	0	0	0
4930562F07Rik	0	0	0	0.031393
4930563D23Rik	0	0	0	0
4930563E18Rik	0	0	0	0
4930563E22Rik	0.328467	0.51118	0.396154	0.473036
4930563F08Rik	0	0	0	0
4930563H07Rik	0	0	0	0
4930563M20Rik	0	0	0	0
4930563M21Rik	0	0	0	0.512032
4930564B18Rik	0	0	0	0
4930564C03Rik	0	0	0	0
4930564D02Rik	0	0	0	0
4930565D16Rik	0	0	0	0
4930565N06Rik	0.184324	0.069778	0.434876	0.355219
4930567H12Rik	0	0	0	0
4930567H17Rik	0	0	0	0
4930567J20Rik	0	0	0	0
4930567K12Rik	0	0	0	0
4930567K20Rik	0	0	0	0
4930568D16Rik	0	0	0	0
4930568E12Rik	0	0	0	0

4930568G15Rik	0	0	0	0
4930570G19Rik	0	0	0	0
4930571K23Rik	0	0	0	0
4930571O06Rik	0	0	0	0
4930572K03Rik	0	0	0	0
4930572O03Rik	0	0	0	0
4930572O13Rik	0	0	0	0
4930573O16Rik	0	0	0	0
4930577N17Rik	0.267723	1.212333	0.600998	0.777679
4930578C19Rik	0	0	0.109487	0
4930578E11Rik	0	0	0	0
4930578I06Rik	0	0	0	0
4930578M01Rik	0	0	0	0
4930578N18Rik	0	0	0	0
4930579F01Rik	0	0	0	0
4930579G18Rik	0.840035	1.918759	1.781282	1.40938
4930579G24Rik	0.889576	5.225345	7.106428	3.667528
4930579H20Rik	0	0	0	0
4930579J19Rik	0	0	0	0
4930579K19Rik	0.516189	0.368306	0.596145	0.690608
4930579P08Rik	0	0	0	0
4930581F22Rik	1.718064	2.196656	1.882247	1.302881
4930583K01Rik	0	0	0	0
4930583P06Rik	0	0	0	0
4930584F24Rik	0	0	0	0
4930586N03Rik	0	0	0	0
4930587E11Rik	0	0	0	0
4930590J08Rik	0	0	0	0
4930590L20Rik	0	0	0	0
4930591A17Rik	0	0	0	0
4930591E09Rik	0	0	0	0
4930592A05Rik	0	0.02588	0	0
4930592I03Rik	0	0	0	0
4930593A02Rik	0	0	0	0
4930593C16Rik	0	0	0	0
4930594C11Rik	0.350746	0.201954	0.26596	0.192845
4930594O21Rik	0	0	0	0
4930595D18Rik	0	0	0	0
4930595M18Rik	0	0	0	0
4930596D02Rik	0	0	0	0
4930596I21Rik	0	0	0	0
4930597A21Rik	0	0	0	0
4930597G03Rik	0	0	0	0
4930598F16Rik	0	0	0	0
4930599N23Rik	0	0	0	0.167973
4931402G19Rik	0	0	0	0.04466
4931403E22Rik	0	0	0.221146	0
4931403G20Rik	0	0	0.285925	0
4931406B18Rik	0	0	0	0

4931406C07Rik	7.01266	8.674367	8.602942	9.750932
4931406H21Rik	0.08426	0.054988	0.189071	0.10391
4931406P16Rik	6.451087	10.035307	6.467793	7.334542
4931408C20Rik	0	0	0	0
4931408D14Rik	0	0.117858	0	0.39221
4931409K22Rik	0	0	0	0
4931414P19Rik	2.522247	3.4105	2.909934	3.380059
4931417E11Rik	0	0	0	0
4931419H13Rik	0	0	0	0
4931420L22Rik	0	0	0	0
4931423N10Rik	0.127119	0	0	0
4931428F04Rik	4.758667	4.959135	5.374403	3.921613
4931428L18Rik	0	0	0	0
4931429I11Rik	0	0	0	0
4931429L15Rik	0	0	0	0
4931429P17Rik	0	0	0	0
4931430N09Rik	0	0	0	0
4931431B13Rik	0	0	0	0
4931431C16Rik	0.470599	0.105904	0.12435	0
4931431F19Rik	0	0	0	0
4931440F15Rik	0.098382	0.422215	0.337905	0.364854
4931440J10Rik	0	0	0	0
4931440P22Rik	4.862353	0.787069	1.338053	1.397503
4932411E22Rik	0	0	0	0
4932411N23Rik	0	0	0	0
4932412D23Rik	0	0	0	0
4932413F04Rik	0	0	0	0
4932414J04Rik	0	0	0	0
4932414N04Rik	0	0	0	0
4932415M13Rik	0	0	0	0
4932416H05Rik	0.421894	0.762001	0.474237	0.904435
4932416K20Rik	0	0	0	0
4932418E24Rik	0	0	0	0
4932429P05Rik	0	0	0	0
4932435O22Rik	0	0	0	0
4932438A13Rik	2.716912	2.725923	3.768667	2.470151
4932438H23Rik	0.21344	0.093295	0.05455	0.086214
4932441J04Rik	0	0	0	0
4932443I19Rik	0	0	0	0
4932702P03Rik	0	0	0	0
4933400A11Rik	0	0	0	0
4933400B14Rik	0	0	0	0
4933400C23Rik	0	0	0	0
4933400F21Rik	0	0	0.081274	0.030943
4933400L20Rik	0	0	0	0
4933401B06Rik	0	0	0	0.04698
4933401D09Rik	0	0	0	0
4933401H06Rik	0	0	0	0
4933402C06Rik	0	0	0	0

4933402D24Rik	0	0	0.196294	0.132217
4933402E13Rik	0	0	0	0
4933402J07Rik	0	0	0	0
4933402J10Rik	0	0	0	0
4933402J15Rik	0	0	0	0
4933402N03Rik	0	0	0	0
4933402N22Rik	0	0	0	0
4933402P03Rik	0	0	0	0
4933403O08Rik	0	0	0	0
4933404G15Rik	0.219259	0	0	0
4933404K08Rik	0	0	0	0
4933404K13Rik	0	0	0	0
4933404O12Rik	0.619781	1.043228	1.333457	0.834927
4933405D12Rik	0	0	0	0
4933405E24Rik	0	0	0	0
4933405L10Rik	0	0	0	0
4933405O20Rik	0	0	0	0
4933406C10Rik	0.588272	0	0.059906	0
4933406D12Rik	0	0	0	0
4933406F09Rik	0	0	0	0
4933406G16Rik	0	0	0	0
4933406I18Rik	0	0	0	0
4933406J08Rik	0	0	0	0
4933406J10Rik	0	0	0	0
4933406K04Rik	0	0	0	0
4933406M09Rik	0	0	0	0
4933407E24Rik	0	0	0	0
4933407G14Rik	0	0	0	0
4933407I05Rik	0	0	0	0
4933407K13Rik	2.15944	4.015838	4.245012	2.573354
4933407L21Rik	0	0	0	0.073818
4933408B17Rik	0.343557	0	0	0.393935
4933408J17Rik	0	0	0	0
4933408N05Rik	0	0	0	0
4933409G03Rik	0	0	0	0
4933409K07Rik	0	0.006163	0.018358	0.016155
4933411E08Rik	0	0	0	0
4933411G06Rik	0	0	0	0
4933411K16Rik	0.603658	0.384817	0.351476	0.680556
4933412E12Rik	4.04217	6.684125	6.355441	7.584661
4933412E24Rik	0	0	0	0
4933412O06Rik	0.210042	0	0	0.155058
4933413G19Rik	0	0	0	0.139429
4933413J09Rik	0.201123	0.074827	0.086761	0.237863
4933413L06Rik	0	0	0	0
4933415F23Rik	0	0.023201	0	0
4933416C03Rik	0	0	0	0
4933416E03Rik	0	0	0	0
4933416I08Rik	0	0	0	0

4933416M06Rik	0	0	0	0
4933416M07Rik	0	0	0	0.076373
4933417A18Rik	0	0	0	0
4933417D19Rik	1.031925	0.379753	0.31893	0.521398
4933417E11Rik	0.362702	0.427005	0.673377	1.165469
4933417G07Rik	0.048128	0	0.071736	0
4933417O13Rik	0	0	0	0.068972
4933421I07Rik	0	0	0	0
4933421O10Rik	0.858767	0.810299	0.90093	1.032919
4933422A05Rik	0	0	0	0
4933424G05Rik	0	0	0	0
4933424G06Rik	0	0	0	0
4933425B07Rik	0	0	0	0
4933425L06Rik	0	0	0	0
4933427D06Rik	0	0	0	0
4933427D14Rik	3.371048	6.648878	6.00031	4.65411
4933427E11Rik	0	0.209697	0.040561	0.188059
4933427E13Rik	0	0	0	0
4933427G17Rik	0	0	0	0
4933427I22Rik	0	0	0	0
4933428C19Rik	0	0	0	0
4933428G20Rik	0.285071	0.207629	0.32653	0.436649
4933429K18Rik	0	0	0	0
4933429O19Rik	0	0	0	0
4933430H16Rik	0	0	0	0
4933430I17Rik	0	0	0.215784	0.194454
4933430M04Rik	0	0	0	0
4933430N04Rik	0	0	0	0
4933431E20Rik	1.800459	2.165497	1.791645	2.39294
4933431G14Rik	0	0	0.197483	0.302204
4933432G23Rik	0	0	0	0
4933432I03Rik	0	0	0	0
4933432I09Rik	0	0	0	0
4933432K03Rik	0	0	0	0
4933433C11Rik	0	0	0	0
4933433F19Rik	0	0	0	0
4933433G08Rik	0	0	0	0
4933433G15Rik	0	0	0	0
4933433G19Rik	0	0	0	0
4933433H22Rik	0	0	0	0
4933434E20Rik	25.236185	49.195345	39.184441	46.796163
4933436E23Rik	0	0	0	0
4933436H12Rik	0	0	0	0
4933436I01Rik	0	0	0	0
4933438B17Rik	0	0	0	0
4933438K21Rik	0	0	0	0
4933439C10Rik	17.941425	5.759338	6.957716	5.751191
4933439K11Rik	0	0	0	0.185047
4933440J02Rik	0	0	0	0

4933440M02Rik	0	0	0	0
5031410I06Rik	0	0	0	0
5031414D18Rik	2.100906	0.882827	1.493201	1.90719
5031425E22Rik	6.576401	5.44478	6.675174	6.688888
5031425F14Rik	0	0.180504	0.650939	1.37232
5031426D15Rik	0.319442	0.253591	0.15517	0.259641
5031434C07Rik	0	0	0	0
5031434O11Rik	0	0	0	0.404201
5031439G07Rik	15.771854	17.596266	12.874243	15.24075
5033403F01Rik	0	0	0	0
5033403H07Rik	0	0	0	0
5033404E19Rik	0	0	0	0
5033406O09Rik	0.254506	0.612833	0.452261	2.051942
5033428I22Rik	0	0	0	2.435543
5330411J11Rik	0	0	0	0
5330413P13Rik	0	0	0	0
5330417C22Rik	0	0	0	0.120763
5330426P16Rik	3.332006	3.654878	4.374157	4.182104
5330434G04Rik	0	0	0	0
5330439B14Rik	0	0	0	0
5430401F13Rik	0	0	0	0
5430402E10Rik	0	0	0	0
5430402O13Rik	0	0	0.243845	0.229023
5430403N17Rik	0.270448	0.423679	0.133472	0.262518
5430405H02Rik	1.599978	0.925122	1.677105	1.96228
5430416N02Rik	63.482128	45.98172	50.326294	38.987305
5430416O09Rik	0.193883	0.031152	0.096089	0.099438
5430419D17Rik	0	0	0	0
5430421F17Rik	0.128978	0.164908	0.359021	0.267955
5430421N21Rik	0	0	0	0
5430425K12Rik	0	0	0.275094	0.138353
5430427M07Rik	0	0	0	0
5430427O19Rik	0.089934	0.67237	1.0772	1.145428
5430428K19Rik	0	0	0	0
5430431A17Rik	0	0.738652	0	0.20118
5430434I15Rik	0	0	0	0
5430437J10Rik	0	0.181942	0.328842	0
5430440P10Rik	0	0	0	0
5530400C23Rik	0	0	0	0
5530401A14Rik	0	0	0	0
5530601H04Rik	1.511411	2.465237	3.947262	2.672813
5730403I07Rik	0	0	0	0
5730405O15Rik	0	0.343241	0.77573	0.805403
5730408K05Rik	0	0	23.193237	0
5730409E04Rik	5.146692	1.910511	5.323287	7.492434
5730412P04Rik	0	0	0	0
5730416F02Rik	0	0.130282	0.147564	0
5730420D15Rik	0	0	0	0
5730422E09Rik	0	0	0	0

5730435O14Rik	0	0	0	0
5730455P16Rik	4.547855	5.511568	4.974119	3.615593
5730457N03Rik	0	0	0	0
5730460C07Rik	0	0	0	0
5730480H06Rik	1.31916	0.828523	0.170289	0.707002
5730488B01Rik	0.054321	0	0	0
5730507C01Rik	0.10007	0.035115	0.071437	0
5730508B09Rik	4.815072	3.85062	4.02249	6.252118
5730522E02Rik	0	0	0	0
5730559C18Rik	9.197541	11.246757	8.556468	10.937495
5830411N06Rik	0	0	0	0
5830415F09Rik	2.902632	3.224611	3.142485	3.279608
5830416I19Rik	0	0	0.056169	0.044139
5830416P10Rik	0.236347	0.551909	0.542789	0.271132
5830417I10Rik	4.236277	9.148413	6.606996	5.269398
5830418P13Rik	0	0	0	0
5830428M24Rik	0	0.24549	0.172415	0.278369
5830432E09Rik	0.097737	0.450984	0.587123	0.755263
5830444B04Rik	0	0	0	0.125862
5830454E08Rik	1.196948	0.684496	1.286605	1.168678
5830473C10Rik	0	0	0	0.388509
5930403L14Rik	0.130818	0.052316	0.190479	0.151252
5930412G12Rik	0	0	0	0
5930430L01Rik	0.787395	0.957958	1.282306	0.876646
5930438M14Rik	0	0	0	0
6030407O03Rik	0	0	0	0
6030408B16Rik	0.66005	0	0.425577	0
6030419C18Rik	5.61475	8.433661	5.693849	7.201821
6030440G07Rik	0	0	0	0
6030443J06Rik	0.368224	0.420101	0.532298	0.415592
6030458C11Rik	5.795933	14.172909	13.022272	10.595187
6030466F02Rik	0	0	0	0
6030468B19Rik	0	0	0	0
6030469F06Rik	0	0	0	0
6030471H07Rik	0	0	0	0
6030498E09Rik	0	0	0	0
6230400D17Rik	0.67469	0.623953	1.21958	0.634493
6330403A02Rik	0	0.031232	0.030039	0
6330403K07Rik	0.248081	0.300945	0.260491	0.108483
6330407A03Rik	0	0.046043	0.026719	0.123876
6330408A02Rik	3.317229	3.844601	2.825146	3.071101
6330409D20Rik	0	0	0	0.13601
6330410L21Rik	0	0	0	0
6330415B21Rik	0	0	0	0
6330415G19Rik	0.68391	0.631577	0.686931	0.301432
6330416G13Rik	4.751808	5.635824	5.376537	8.455243
6330418K02Rik	0.944935	1.514871	2.594745	2.140512
6330549D23Rik	1.774348	1.338316	1.707561	1.739356
6430411K18Rik	0	0.387183	0.112339	0.34311

6430503K07Rik	0	0	0	0
6430531B16Rik	0.464991	0	0.108543	0
6430548M08Rik	0.98485	1.962577	1.593789	2.045525
6430550D23Rik	0.132286	0.360904	0.156691	0.321052
6430562O15Rik	0	0.562872	0.399481	0.209649
6430571L13Rik	0	0.198843	0.038334	0.045488
6430573F11Rik	0	0	0	0
6430584L05Rik	0	0	0	0
6430706D22Rik	0	0	0	0
6430710C18Rik	0	0	0	0
6530402F18Rik	0.357148	0.838229	0.389315	0.420361
6530403H02Rik	0	0	0	0
6530411M01Rik	0	0	0	0
6720468P15Rik	0	0.124571	0.138448	0
6720483E21Rik	0	0	0	0.241847
6720489N17Rik	0	0	0.130664	0.439468
6820408C15Rik	0	0	0	0
6820431F20Rik	11.002909	12.793713	11.63472	0.455791
7420426K07Rik	0	0	0	0
7420461P10Rik	0	0	0	0
7420700N18Rik	0	0	0	0
7420701I03Rik	0	0	0	0
7530416G11Rik	0	0	0	0
7630403G23Rik	0	0	0	0
8030411F24Rik	0	0	0	0
8030423F21Rik	0	0	0	0
8030423J24Rik	0	0	0	0
8030442B05Rik	0	0	0	0
8030443G20Rik	0	0	0	0
8030451O07Rik	0	0	0	0
8030455M16Rik	0	0	0	0
8030462N17Rik	4.376754	5.878546	4.379516	4.390449
8430408G22Rik	22.297046	11.577154	15.476651	2.613986
8430419L09Rik	3.233401	5.307987	6.225208	4.774381
8430422H06Rik	0	0	0	0
8430423G03Rik	0.383705	0	0.921981	1.397642
8430426J06Rik	0	0	0	0.109309
8430429K09Rik	2.000279	3.49538	3.219641	3.077805
8430430B14Rik	0	0	0	0
8430431K14Rik	0	0	0	0.040404
8430436N08Rik	0	0	0	0
8430437L04Rik	0	0	0	0
9030025P20Rik	3.281965	4.138855	5.531046	0.160806
9030204H09Rik	0	0	0	0
9030404E10Rik	0	0	0	0
9030612E09Rik	0	0.045148	0.026375	0.03026
9030617O03Rik	0.233478	1.085358	1.590932	2.210848
9030619P08Rik	0	0	0	0
9030624G23Rik	0.671982	0.212851	0.346724	0.40969

9030624J02Rik	16.601915	19.673431	14.750615	16.863449
9030625G05Rik	0	0	0	0
9130008F23Rik	4.539368	2.413012	5.24425	3.062665
9130011E15Rik	3.015344	3.713181	4.919668	2.3517
9130015A21Rik	0	0	0	0
9130015L21Rik	0	0	0	0
9130019O22Rik	0.405015	0.50384	0.470533	0.70526
9130019P16Rik	0	0	0	0
9130023H24Rik	0.234694	1.14877	0.808917	0.657432
9130024F11Rik	0.544635	0.583927	0.711993	0.290424
9130204L05Rik	0	0	0	0
9130209A04Rik	0	0	0	0
9130221F21Rik	0	0	0	0
9130221H12Rik	9.992867	9.886454	6.49539	10.000822
9130227L01Rik	0	0	0	0
9130230L23Rik	0	0	0	0.06595
9130401M01Rik	22.486282	35.298092	36.979053	39.089596
9130409I23Rik	0	0	0	0
9130409J20Rik	0	0	0	0
9230009I02Rik	0	0	0	0
9230102K24Rik	0	0	0	0.221541
9230102O04Rik	0	0	0	0
9230104L09Rik	0	0	0	0
9230105E05Rik	0.081049	0.188572	0.567849	0
9230110C19Rik	1.164248	2.424187	4.349946	1.87247
9230110F15Rik	0	0	0	0
9230112D13Rik	0	0	0	0
9230112J17Rik	0	0	0	0
9230114K14Rik	0.187173	0.200058	0.29976	0.784507
9230116L04Rik	0	0	0.203123	0
9230116N13Rik	0.442342	0.64638	0.657065	0.605619
9230117E06Rik	0	0	0	0
9330020H09Rik	0.901458	0.677717	0.930603	1.381059
9330102E08Rik	0.871889	0.361018	0.618243	0.785982
9330111N05Rik	0	0	0	0
9330117O12Rik	0	0	0	0
9330133O14Rik	1.73952	2.306788	2.504591	3.390284
9330136K24Rik	0	0.257041	0.098908	0.161961
9330151L19Rik	2.816219	2.776702	4.645211	3.304434
9330158H04Rik	0	0	0	0
9330159F19Rik	0	0.052221	0	0.030852
9330159M07Rik	0.316936	0.120595	0.28242	0.405946
9330162012Rik	0	0	0.132385	0
9330162B11Rik	0	0	0	0
9330175E14Rik	0	0	0.160084	0.223414
9330175M20Rik	0	0	0	0
9330178D15Rik	0	0	0	0
9330179D12Rik	0.58291	0.688192	0.495765	0.220027
9330182L06Rik	0.07454	0.018339	0.021284	0.021242

9330182O14Rik	0	0	0	0
9330188P03Rik	6.98491	9.556026	10.534048	9.163906
9330199G10Rik	0	0	0	0
9430007A20Rik	0	0	0	0
9430014N10Rik	0	0	0	0
9430015G10Rik	8.229303	21.249924	19.046343	16.501866
9430016H08Rik	16.438801	15.781181	22.462101	20.284042
9430018G01Rik	0.649347	1.3609	2.000136	0.834955
9430019J16Rik	0	0	0	0
9430020K01Rik	13.094494	9.939517	7.169168	8.166018
9430021M05Rik	0	0	0	0
9430037G07Rik	0	0.121975	0.113388	0.11456
9430038I01Rik	4.828853	5.480168	5.113563	7.764563
9430041J12Rik	0	0	0	0
9430060I03Rik	0.266739	0	0.088352	0.438855
9430065F17Rik	0	0	0	0.321151
9430069I07Rik	0	0	0	0.89568
9430076C15Rik	0.09816	0.181351	0.143385	0.396413
9430078K24Rik	0	0	0	0.097716
9430083A17Rik	0.066293	0.112387	0.197626	0.058238
9430091E24Rik	0.675517	0.58939	1.085007	1.159976
9530002B09Rik	0	0	0	0
9530003J23Rik	0	0	0	0
9530014B07Rik	0	0	0	0
9530020I12Rik	0	0	0	0
9530026F06Rik	0	0	0	0
9530026P05Rik	0	0	1.802224	1.264703
9530027J09Rik	0.49334	0.210196	0.350432	0.987741
9530036O11Rik	0	0	0	0
9530051G07Rik	0	0	0	0
9530052E02Rik	0	0	0	0
9530053A07Rik	0	0	0	0
9530059O14Rik	0	0	0	0
9530062K07Rik	0.441884	0	0.491791	1.358534
9530068E07Rik	131.643784	163.202057	175.939743	179.666855
9530077C05Rik	0.183789	0.39157	0.508627	0.66448
9530080O11Rik	0	0	0	0
9530082P21Rik	3.93207	5.779355	5.034684	6.309029
9530091C08Rik	0.123745	0.053047	0.024692	0.05695
9630001P10Rik	0	0	0	0
9630013A20Rik	0	0	0	0
9630013K17Rik	0	0.553944	0.32893	0.376848
9630028B13Rik	0	0	0	0
9630028H03Rik	0	0	0	0
9630028I04Rik	0	0.048258	0	0.089724
9830107B12Rik	0	0.823021	0.262623	0.635208
9830132P13Rik	0	0	0	0
9830147E19Rik	0.187365	0.671331	0.677751	0.530355
9830166K06Rik	0	0	0	0

9930012K11Rik	1.578167	3.20908	2.475914	3.192031
9930014A18Rik	2.612809	7.370662	11.027385	2.548742
9930021J03Rik	4.16092	3.084307	2.592609	2.899435
9930104L06Rik	3.752152	5.376645	4.195957	4.911189
9930111H07Rik	0	0	0	0
9930111J21Rik1	0.080616	0.401796	0.424211	0.65755
9930111J21Rik2	0	0	0.060627	0.012077
a	0	0	0	0
A130010J15Rik	1.457353	2.816529	2.915578	3.365332
A130077B15Rik	0	0	0.173226	0.268909
A1bg	0	0	0	0
A1cf	0	0	0	0.090977
A230001M10Rik	0	0	0	0
A230009B12Rik	0	0	0	0
A230020J21Rik	0.745993	1.080647	0	0.724162
A230028O05Rik	0	0.415069	0.25858	0.166254
A230046K03Rik	4.825473	6.105582	6.058755	5.349084
A230050P20Rik	2.547131	3.789336	1.962895	5.28313
A230056J06Rik	0	0	0	0
A230056P14Rik	0	0.19071	0.439104	0.188594
A230057D06Rik	0	0	0	0
A230065H16Rik	0	0	0	0.706768
A230070E04Rik	0	0	0	0
A230072C01Rik	1.300632	2.047698	1.60824	2.415289
A230072E10Rik	0	0	0	0
A230077H06Rik	0	0	0	0
A230103J11Rik	1.612134	0.846619	2.307377	2.438166
A230108P19Rik	0	0	0	0
A2m	1.459683	0	0	2.492719
A330009N23Rik	0	1.375436	1.060104	1.08916
A330015K06Rik	0	0	0	0.105678
A330023F24Rik	0.401669	0.4431	0.406205	0.754303
A330032B11Rik	0	0	0	0
A330033J07Rik	0	0	0	0
A330035P11Rik	0.050151	0.062602	0.187057	0.27167
A330040F15Rik	0	0	0.340405	0.223648
A330041J22Rik	0	0	0	0
A330048O09Rik	0	0	0	0
A330049N07Rik	0	0.120923	0	0.171688
A330050F15Rik	0	0	0	0
A330069E16Rik	4.346546	1.311234	3.304134	2.556638
A330070K13Rik	0	0	0	0
A330074K22Rik	0.53581	0.895945	1.116693	0.583855
A330076C08Rik	0	0	0	0
A330076H08Rik	0	0	0	0
A330093E20Rik	0	0	0	0
A330102I10Rik	0	0	0	0
A3galt2	0.419042	0.251219	0.166999	0.375541
A430005L14Rik	23.315609	31.813051	39.130814	43.040997

A430033K04Rik	0.871325	1.180949	1.278846	0.772187
A430035B10Rik	0	0	0	0.199134
A430046D13Rik	0.507727	0.560133	1.258931	1.011186
A430078G23Rik	0	0	0	0.13694
A430078I02Rik	0	0	0	0
A430085M09Rik	0	0	0	0
A430088P11Rik	0	0	0	0
A430089I19Rik	0	0	0	0
A430090L17Rik	0.076077	0	0	0.058897
A430093F15Rik	0.262575	0	0	0
A430105I19Rik	10.35811	10.521915	6.513509	7.42403
A4galt	12.417831	18.673408	14.983343	16.465557
A4gnt	0	0.076947	0	0.042106
A530006G24Rik	0	0	0	0
A530013C23Rik	0.685461	0.175891	0.380811	0.419343
A530016L24Rik	0.783292	0	0.07273	0.541091
A530032D15Rik	0.321054	0.584287	0.749141	1.024886
A530046M15Rik	0.225539	0	0	0
A530050N04Rik	0	0	0	0
A530053G22Rik	0	0	0	0
A530058N18Rik	0	0	0	0
A530064D06Rik	0.156487	1.388836	0.821561	2.046962
A530065N20Rik	0	0	0	0
A530072M11Rik	0.053158	0.183278	0.212708	0.392428
A530088E08Rik	0.246989	0.023637	0	0.412178
A530099J19Rik	0	0	0	0
A630001G21Rik	2.764045	4.435105	6.975925	5.35313
A630010A05Rik	0	0	0	0
A630012P03Rik	0	0	0	0
A630019I02Rik	0	0	0	0
A630020A06	0	0	0	0.049385
A630023A22Rik	0	0	0	1.346565
A630023P12Rik	0	0	0	0
A630033H20Rik	0.211414	1.790726	2.183744	1.845793
A630066F11Rik	0.515835	0.592355	0.783887	1.118425
A630072M18Rik	1.055519	0.529693	0.758296	0.990416
A630073D07Rik	0	0	0	0
A630075F10Rik	0	0	0	0.119044
A630076J17Rik	0	0	0	0
A630077J23Rik	0	0	0	0
A630089N07Rik	0.186032	3.700423	1.710177	1.43869
A630095E13Rik	0	0	0	0
A630095N17Rik	0	0	0	0
A730004F24Rik	0	0	0	0
A730006G06Rik	0	0	0	0
A730008H23Rik	0.023308	0.098081	0.201962	0.202629
A730017C20Rik	0	0	0	0
A730017L22Rik	0.62259	2.223508	2.587041	2.297457
A730018C14Rik	0	0	0	0

A730020E08Rik	0	0	0	0
A730020M07Rik	0	0	0	0
A730036I17Rik	0	0	0	0
A730043L09Rik	0	0	0	0
A730046J19Rik	0	0	0	0
A730056A06Rik	0	0.042814	0	0.037745
A730082K24Rik	0	0	0	0
A730085K08Rik	0	0	0	0
A730090H04Rik	0	0	0	0
A730090N16Rik	0	0	0.177076	0.377162
A830009L08Rik	0	0	0	0
A830010M20Rik	1.101134	0.81123	0.771912	0.542517
A830011K09Rik	0	0	0	0
A830018L16Rik	0	0	0	0
A830019L24Rik	0	0	0	0
A830052D11Rik	0	0	0.128847	0
A830080D01Rik	2.050073	2.597709	3.087861	1.779117
A830082K12Rik	2.828637	5.806912	5.885236	4.659508
A830082N09Rik	0.100541	0.140708	0.137844	0.145306
A930001A20Rik	0	0	0	0
A930001C03Rik	0	0.199539	0.308052	0.763921
A930002C04Rik	0	0	0	0
A930003A15Rik	0	0	0	0
A930003O13Rik	0	0	0	0
A930004D18Rik	0.543329	1.219845	1.037696	0.869457
A930005H10Rik	1.862897	3.443598	5.092405	4.294133
A930006I01Rik	0	0	0	0
A930006K02Rik	0.971718	0.936855	1.165621	1.636354
A930007I19Rik	0	0.109872	0.063757	0.354994
A930009A15Rik	0	0	0	0
A930011G23Rik	0	0	0	0
A930012L18Rik	0.42627	0	0	0.154642
A930013F10Rik	3.2072	3.487814	3.101869	3.108723
A930015D03Rik	2.06812	5.175359	6.585708	8.611815
A930016O22Rik	0	0	0.041496	0
A930017M01Rik	0	0	0	0
A930018P22Rik	0	0	0	0
A930019D19Rik	0	0	0	0
A930024E05Rik	0	0.221862	0.384065	0.796817
A930031H19Rik	0	0	0	0
A930041C12Rik	0	0	0	1.008822
AA387883	0	0	0	0
AA388235	0.130923	0.10972	0.286427	0.118878
AA413626	0	0.487107	0.306285	0.288056
AA414768	0.529687	1.339554	1.06725	2.893008
AA415398	0.998292	0.245382	0.439431	0.97352
AA465934	3.545933	4.042162	8.178337	5.374143
AA467197	37.792656	50.56049	69.611275	105.499672
AA474331	0.559068	1.244857	3.073883	2.02842

AA536875	0	0	0	0
AA543186	0	0.066484	0.286083	0.646599
AA543401	0	0	0	0
AA545190	0	0	0	0
AA619741	0	0	0	0
AA792892	0	0	0	0
AA986860	0.834477	0.197972	0.318359	0.822596
Aaas	27.759436	36.544231	30.105301	24.557178
Aacs	8.51755	16.975981	15.599502	13.562341
Aadac	0	0	0	1.229701
Aadacl2	0	0	0	0
Aadacl3	0	0	0	0
Aadat	0	0	0	0
Aaed1	17.898642	24.52548	30.313776	30.517721
Aagab	7.097771	11.532587	13.306908	13.516055
Aak1	3.045789	4.320801	3.574435	3.051717
Aamdc	7.435257	7.784978	8.592573	12.264442
Aamp	88.714224	87.324583	68.263114	88.294151
Aanat	0	0	0	0
Aar2	7.305325	7.228712	5.998542	6.889676
Aard	0	0	0	0.617751
Aars	79.994713	83.032867	48.612301	59.991219
Aars2	4.44405	6.399415	4.660402	4.271145
Aarsd1	13.510856	20.154057	22.06142	18.233641
Aasdh	2.767489	4.563873	4.381686	3.82207
Aasdhppt	5.689579	6.909245	6.731202	4.947772
Aass	0	0	0	0.172515
Aatf	34.973503	39.57571	32.675049	28.735315
Aatk	1.153216	1.103602	1.02346	1.283922
AB124611	3.611929	12.125358	14.137049	15.140744
Abat	0.47897	0.28044	0.221685	0.677394
Abca1	3.319676	4.402728	2.478825	6.327447
Abca12	0	0	0	0
Abca13	0	0	0	0
Abca14	0	0	0	0
Abca15	0	0	0	0
Abca16	0	0	0	0
Abca17	0	0	0	0
Abca2	5.925066	10.677104	8.552922	8.896376
Abca3	6.835454	10.83196	12.28024	9.527848
Abca4	0	0	0.023673	0
Abca5	3.631943	3.553095	2.793718	2.578716
Abca6	0	0	0	0.192742
Abca7	9.386127	6.889439	7.676312	6.092956
Abca8a	0	0.188572	0	0.220281
Abca8b	0	0.020603	0	0.291939
Abca9	0.039319	0.705832	0.974921	0.855587
Abcb10	3.559507	8.402731	9.076755	4.770363
Abcb11	0	0	0.059687	0.288158

Abcb1a	8.54848	8.71388	4.267219	10.790384
Abcb1b	12.727119	19.805033	17.005714	16.880192
Abcb4	0.137738	0.184616	0.178626	3.284685
Abcb5	0	0	0	0
Abcb6	2.429762	2.746006	3.007504	3.124504
Abcb7	1.803879	3.677409	5.170434	2.846028
Abcb8	4.478529	10.828486	12.333011	7.429546
Abcb9	0.543907	0.224828	0.13273	0.31757
Abcc1	33.760853	31.406282	31.710909	20.761806
Abcc10	3.183583	3.577378	4.004448	2.732043
Abcc12	0	0	0	0
Abcc2	0	0	0	0.824422
Abcc3	1.379301	3.669473	2.988311	5.346278
Abcc4	2.121139	4.860096	4.830266	2.359422
Abcc5	9.838411	13.694104	13.159569	13.198475
Abcc6	0	0	0	0.070242
Abcc8	0	0	0	0
Abcc9	0.209226	0.743842	0.816947	1.524619
Abcd1	4.959512	6.830028	7.606299	8.645684
Abcd2	1.962548	2.028796	4.180565	5.156344
Abcd3	9.995395	11.742163	11.549347	12.530766
Abcd4	11.075979	16.421658	18.350595	11.020762
Abce1	27.65374	46.938534	39.448215	36.471443
Abcf1	46.157848	54.676495	39.212856	49.199596
Abcf2	36.483921	49.504872	35.908604	41.436915
Abcf3	11.355059	15.74563	12.141126	15.173171
Abcg1	6.664574	6.330824	4.619376	15.128375
Abcg2	2.525121	7.341155	7.670732	6.823836
Abcg3	0	0.354273	0.565656	0.749367
Abcg4	0.136663	0.09361	0	0.175656
Abcg5	0	0	0	0.204849
Abcg8	0	0	0	0.205138
Abhd1	3.121558	4.780924	6.358922	3.307689
Abhd10	2.102558	5.908904	5.995423	5.271619
Abhd11	19.425594	19.974556	24.113273	25.369811
Abhd11os	0	0	0.478438	8.923729
Abhd12	30.323868	41.167812	45.450348	52.313343
Abhd12b	0	0	0	0
Abhd13	4.089601	7.284045	6.270689	5.333692
Abhd14a	15.070085	23.23698	24.074675	18.578812
Abhd14b	7.304677	8.598522	9.639155	8.795036
Abhd15	0.298658	0.612904	0.641402	1.361312
Abhd16a	19.875004	25.475616	23.304926	24.517855
Abhd16b	0.13959	0.030278	0.110967	0.032701
Abhd17a	27.202654	31.723579	28.620205	39.257458
Abhd17b	5.955845	8.762108	11.649587	10.869461
Abhd17c	10.577462	14.959917	10.490547	12.357157
Abhd2	32.56715	38.764317	32.930107	27.107941
Abhd3	0	0.08844	0.128389	0.764888

Abhd4	27.893961	18.683962	15.263173	22.914324
Abhd5	14.63244	12.09302	10.806503	12.717164
Abhd6	2.112478	2.360339	4.390803	2.943154
Abhd8	12.676882	16.478197	14.480982	12.650421
Abi1	23.938368	27.164885	22.045212	19.995723
Abi2	2.908815	5.564726	4.621027	3.807497
Abi3	0.230876	5.768055	4.345713	3.432996
Abi3bp	0	3.149109	0	0
Abl1	20.049622	24.78255	16.016015	14.301979
Abl2	19.205893	16.995127	12.689587	14.744818
Ablim1	1.997833	4.341446	2.646552	3.110216
Ablim2	0.155161	0.341009	0	0.23729
Ablim3	0.23287	0.324158	0.105999	0.253475
Abo	0	0	0	0
Abr	27.77166	26.653294	18.712967	23.776111
Abra	0	1.26564	0	0
Abracl	42.631279	73.118286	86.089691	99.084953
Abt1	5.704959	3.715505	3.144065	3.748847
Abtb1	16.737366	10.324043	11.072774	12.536945
Abtb2	4.59238	6.747902	5.017811	4.614601
Acaa1a	16.849924	18.36957	17.395977	27.648825
Acaa1b	5.060524	4.936724	4.730638	11.327662
Acaa2	30.363268	31.334717	21.713675	43.333336
Acaca	3.799418	7.679224	7.529993	4.595521
Acacb	0.052562	0.209552	0	0.110637
Acad10	1.574377	2.373717	3.568423	2.133787
Acad11	1.737532	3.396671	2.50994	3.718378
Acad12	0.464175	0.666397	0.814546	1.05156
Acad8	4.536699	8.557958	6.997703	6.960605
Acad9	8.999113	17.237108	16.290825	10.89982
Acadl	48.842247	43.784153	42.276176	35.782059
Acadm	21.218897	33.092144	32.323521	31.006348
Acads	23.309719	28.880329	35.742012	28.19808
Acadsb	7.999517	10.063282	10.26489	10.241143
Acadvl	36.463844	34.515755	28.755146	37.920219
Acan	48.085323	99.956779	101.386536	36.586037
Acap1	1.190879	4.125269	2.714733	3.262341
Acap2	14.067048	11.985446	11.21037	9.225311
Acap3	10.310587	11.6131	8.936984	9.029698
Acat1	9.975087	16.51734	28.019419	25.317995
Acat2	6.135233	17.427559	22.199934	9.117187
Acat3	0.495642	0.128065	0.24445	4.684233
Acbd3	22.016844	17.065729	12.309464	18.274643
Acbd4	15.627336	9.13953	11.635079	8.566152
Acbd5	4.389115	6.709358	5.518718	6.483704
Acbd6	56.702197	32.407055	26.582219	32.972484
Acbd7	0	0	0	0
Accs	2.328864	2.697524	3.131356	2.033938
Accsl	0	0	0	0

Acd	28.437027	21.896049	18.130205	21.171486
Ace	6.963652	9.35066	3.565264	7.645064
Ace2	0	0	0	0.027345
Ace3	0	0	0	0
Acer1	0	0	0	0
Acer2	1.057847	0.170549	0.768482	0.637658
Acer3	3.189529	5.414744	7.926341	7.031756
Ache	0.178622	0.204504	0	0.093369
Acin1	49.638263	64.805397	58.547593	54.263254
Ackr1	0.714927	1.168075	0.252871	0.500036
Ackr2	0.890834	0.264033	0.179398	0.17318
Ackr3	71.401338	91.584368	70.638649	67.011961
Ackr4	0	0	0.093393	0.082565
Acly	27.340719	73.757423	79.212809	67.305389
Acmsd	0	0	0	0
Acnat1	0.05386	0	0	0.271891
Acnat2	0	0	0.04374	1.647185
Aco1	7.063565	13.000369	10.784329	10.314033
Aco2	57.841213	90.472839	93.574844	66.863792
Acot1	3.076162	0.892331	2.124331	1.927451
Acot10	0.192155	0.244028	0.792824	0.224822
Acot11	0.39261	1.231743	0.646361	1.589604
Acot12	0	0	0	0.781018
Acot13	58.218689	53.426495	94.312683	92.952782
Acot2	7.508428	2.916225	4.587739	3.248102
Acot3	0	0	0	0
Acot4	0.425988	0	0.23269	0.495636
Acot5	0	0	0	0
Acot6	0	0.193121	0.081079	0.132353
Acot7	59.444845	66.361961	58.686997	52.067547
Acot8	6.514804	10.355925	11.740459	11.916949
Acot9	20.513554	34.288033	42.7019	24.878885
Acox1	21.603074	24.171677	19.232308	24.73898
Acox2	0.245235	0	0	1.964773
Acox3	6.734658	10.903219	10.913377	14.094234
Acoxl	0.370493	0.107219	0.033046	0.133211
Acp1	18.091576	17.829976	25.862454	18.993152
Acp2	7.656247	16.718168	14.553456	13.465401
Acp5	9.753591	11.385971	30.768596	40.037426
Acp6	17.886536	26.071972	25.278219	25.724604
Acpp	0.186381	0.589911	0.25133	0.483113
Acpt	0	0	0	0
Acr	0	0	0	0
Acrbp	14.507733	9.139979	3.697981	11.9794
Acrv1	0	0	0	0
Acsbg1	19.418257	11.080473	7.044753	12.354142
Acsbg2	0	0	0	0
Acsf2	8.852162	13.759618	11.515182	10.740777
Acsf3	4.980242	6.266725	5.565271	5.238538

Acsl1	3.221891	4.585041	3.645468	4.403567
Acsl3	5.077074	9.647141	10.382318	5.401117
Acsl4	17.453634	12.190324	11.332626	14.488802
Acsl5	15.034106	47.970993	56.746784	40.177784
Acsl6	7.108669	10.242777	11.802373	7.245715
Acsm1	0	0	0	1.411361
Acsm2	0	0	0	0
Acsm3	0	0	0.055764	0.123142
Acsm4	0	0	0	0
Acsm5	0	0	0	0.067026
Acss1	0.689769	0.694948	0.687796	0.639758
Acss2	2.88935	1.098487	1.747228	2.13406
Acss2os	0	0	0	0
Acss3	0	0	0	0
Acta1	0.82012	348.109775	0.125377	0.217042
Acta2	48.028137	31.693869	12.351955	81.359924
Actb	2383.144287	2724.425537	2025.320679	2574.37085
Actbl2	0	0	0	0
Actc1	0	2.462722	0	0
Actg1	991.304932	895.143738	694.241394	704.560791
Actg2	16.07942	5.07425	1.680088	45.25996
Actl10	0.425222	0.251765	0.16403	0.414025
Actl11	0	0	0	0
Actl6a	23.946405	43.087624	42.696423	39.188034
Actl6b	0	0	0	0
Actl7a	0	0	0	0.037563
Actl7b	0.104153	0	0	0.236367
Actl9	0	0	0	0.075186
Actn1	145.074066	172.622482	124.672218	104.574196
Actn2	0	9.749907	0	0
Actn3	0	25.206467	0	0.039942
Actn4	136.003723	138.958664	116.981537	100.644485
Actr10	18.831629	19.8263	21.779366	17.285292
Actr1a	52.735622	55.534813	46.971046	48.459038
Actr1b	35.285503	57.646526	38.664829	44.349903
Actr2	43.650177	58.395576	49.780365	54.587433
Actr3	119.772354	137.361345	136.84538	142.502845
Actr3b	0.534448	0	0.086339	0.43965
Actr5	4.873833	4.863483	4.633783	4.243035
Actr6	2.441918	7.506553	9.242503	7.49871
Actr8	11.182593	14.218686	12.508953	11.397396
Actrt1	0.037008	0	0	0
Actrt2	0	0	0	0
Actrt3	0	0	0	0
Acvr1	35.046953	45.695373	31.945704	29.190069
Acvr1b	7.687988	7.150448	7.428898	6.883248
Acvr1c	0	0	0	0
Acvr2a	2.874451	2.053154	1.546991	1.247167
Acvr2b	3.219122	2.289144	1.940724	1.468323

Acvrl1	2.773175	5.092614	5.878355	6.69864
Acy1	9.034606	11.819017	11.835665	11.979362
Acy3	1.599576	1.405262	1.77741	4.034233
Acyp1	42.743031	57.910957	76.066452	67.276497
Acyp2	4.543328	10.526054	15.658558	16.553158
Ada	0.841403	1.650399	1.683818	3.926981
Adad1	0	0	0	0
Adad2	0	0	0	0
Adal	1.00226	3.240329	3.747378	3.034223
Adam10	14.927734	29.919603	29.089695	25.560053
Adam11	0.347455	0.132282	0.175307	0.32446
Adam12	1.910154	5.204049	5.854398	1.837918
Adam15	59.899563	85.090502	75.284769	76.079708
Adam17	6.120344	20.448287	18.682379	15.946263
Adam18	0	0	0	0
Adam19	4.940593	2.482075	1.276797	8.040808
Adam1a	0.693844	1.094843	0.429884	1.468447
Adam1b	0.085683	0.293255	0.119405	0.51603
Adam2	0	0	0	0
Adam20	0	0	0	0
Adam21	0.116187	0.114076	0.186074	0.299089
Adam22	0.076434	0.0889	0.062991	0.15328
Adam23	0.391709	0.404147	0.029592	0.221488
Adam24	0	0	0	0
Adam25	0	0	0	0
Adam26a	0	0	0	0
Adam26b	0	0	0	0
Adam28	0	0	0	0
Adam29	0	0	0	0
Adam3	0	0	0	0
Adam30	0	0	0.041695	0.024574
Adam32	0	0	0	0.051663
Adam33	0.389652	0.52282	0.1087	0.568559
Adam34	0	0	0	0
Adam39	0	0	0	0
Adam4	0.260035	0.430803	0.463253	0.885513
Adam5	0	0	0	0
Adam6a	0	0	0	0
Adam6b	0	0	0	0.051117
Adam7	0	0	0	0
Adam8	37.365098	52.64872	64.135992	46.254774
Adam9	26.858731	36.1729	26.832046	26.5916
Adamdec1	0	0	0	0.74375
Adamts1	26.472719	15.169567	19.795782	6.709022
Adamts10	10.917442	17.967021	12.394435	15.964053
Adamts12	1.507011	2.261237	1.620531	3.635195
Adamts13	0	0	0	0
Adamts14	6.605291	13.983514	14.19363	6.034101
Adamts15	0.255462	0.397674	0.197145	0.156662

Adamts16	0.258497	0.409104	0.118666	1.993509
Adamts17	0.138413	0	0	0.065794
Adamts18	0	0	0	0
Adamts19	0	0	0	0
Adamts2	18.000439	16.191854	6.671129	27.560448
Adamts20	0.063895	0	0	0
Adamts3	0	0.039843	0.01221	0.068388
Adamts4	7.237724	14.221796	10.961098	12.582635
Adamts5	0.297096	1.077544	0.405001	0.694463
Adamts6	0.340162	1.346681	0.921522	0.710293
Adamts7	3.5695	7.03939	3.802618	2.822633
Adamts8	0	0.467278	0	0.079906
Adamts9	0.924201	2.598402	3.029639	1.264919
Adamtsl1	0.895178	0.512891	0.190654	2.469684
Adamtsl2	1.241958	1.498591	0.455533	1.189072
Adamtsl3	4.503796	11.177817	8.880281	3.968139
Adamtsl4	41.542204	24.74185	24.581755	22.125363
Adamtsl5	12.087165	7.154232	6.500729	8.775869
Adap1	2.423102	3.639901	4.858621	8.133969
Adap2	3.123047	5.634283	4.964266	5.502454
Adar	5.24679	11.115851	8.224364	8.364197
Adarb1	5.340697	8.236988	4.895092	5.065145
Adarb2	0	0	0	0.026534
Adat1	3.533683	5.550263	4.790647	4.593978
Adat2	13.435901	9.134022	16.129719	12.311709
Adat3	1.495171	2.585314	2.250257	2.672887
Adck1	5.829432	6.869819	5.575939	5.997634
Adck2	4.476259	4.172306	5.342532	5.06202
Adck3	1.662473	4.649112	1.376399	1.591088
Adck4	7.191013	5.265842	4.36446	7.392792
Adck5	10.122566	13.454286	12.96344	11.588116
Adcy1	0.137071	0.06918	0.024103	0.40457
Adcy10	0	0	0	0
Adcy2	0	0.090547	0	0.124053
Adcy3	4.123426	5.046935	4.924625	4.39694
Adcy4	0.357886	1.572366	0.713322	0.998655
Adcy5	0.10088	0.049975	0.087584	0.202272
Adcy6	35.880081	31.265678	24.272676	23.621817
Adcy7	2.641638	10.235042	9.389315	15.06827
Adcy8	0	0	0	0.023038
Adcy9	1.864097	1.467257	1.110788	1.366539
Adcyap1	0	0	0	0
Adcyap1r1	0.568676	1.034688	0.753911	1.373336
Add1	61.278663	47.732849	41.515454	42.867354
Add2	2.862028	2.471401	1.363334	2.51855
Add3	9.941156	4.809522	8.432907	12.174213
Adgb	0.511199	0.274931	0.205971	0.469231
Adgra1	0	0	0	0.181197
Adgra2	10.114147	19.108292	13.899875	12.002104

Adgra3	27.930704	37.165493	29.466309	30.307367
Adgrb1	0	0	0	0
Adgrb2	0.186593	0	0.070716	0.290477
Adgrb3	0	0	0	0
Adgrd1	4.224239	0.881174	1.237507	3.599053
Adgre1	2.643704	19.613049	15.035268	12.802562
Adgre4	0	0.133691	0	0.159172
Adgre5	2.718688	8.146755	13.592804	10.038208
Adgrf1	0	0	0	0
Adgrf2	0	0	0	0
Adgrf3	0	0	0	0
Adgrf4	0	0	0	0.037888
Adgrf5	1.556704	2.281544	3.206927	1.102245
Adgrg1	8.418024	4.542608	4.780035	10.448776
Adgrg2	0.14619	0.089595	0	0.205644
Adgrg3	0.243909	0.468724	0.181509	0.725625
Adgrg5	0.403697	0.915172	0.434679	0.687781
Adgrg6	0	0.091141	0.226893	0.123017
Adgrg7	0	0	0	0
Adgrl1	9.90754	15.209394	8.769257	14.016362
Adgrl2	3.976453	7.307151	5.089847	4.557068
Adgrl3	6.481031	10.66375	8.562587	5.555589
Adgrl4	0.457463	0.962892	2.481381	0.812927
Adgrv1	0	0	0	0
Adh1	0.99257	0.442736	0	21.80584
Adh4	0	0	0	0.671273
Adh5	71.576752	74.933235	75.768127	65.658905
Adh6-ps1	0	0	0	0
Adh6a	0	0	0	0
Adh7	0.408685	2.165804	3.33458	1.057566
Adhfe1	0.16839	0.315929	0.385143	0.818716
Adi1	16.954926	33.432774	28.348948	19.073629
Adig	0	0	0	0
Adipoq	0	0	0	0.329164
Adipor1	92.420379	66.376922	63.793878	66.099539
Adipor2	57.427654	54.680031	49.483692	49.182598
Adk	9.643699	19.239454	24.068703	18.374312
Adm	37.29422	3.217749	9.283088	11.272984
Adm2	4.959617	0.189753	0.290694	2.406184
Adnp	20.518812	28.994246	23.059254	22.431809
Adnp2	4.449306	8.951195	6.921918	6.506359
Ado	6.5604	9.60638	7.428185	9.127272
Adora1	0.276711	0.12813	0	0.357363
Adora2a	0.265659	0.406494	0.205994	0.793953
Adora2b	0.831277	3.699559	2.976941	6.947571
Adora3	0.685792	1.173172	1.118252	2.661053
Adpgk	13.930519	27.33576	27.66576	20.937561
Adprh	40.353313	51.72509	42.336143	50.746651
Adprhl1	0	1.845939	0	0

Adprhl2	19.32613	15.139147	16.118298	18.421967
Adprm	5.502772	7.73122	10.15244	8.477748
Adra1a	0	0	0	0
Adra1b	0	0	0	0.12096
Adra1d	3.170308	6.645881	6.489334	4.600794
Adra2a	1.353777	2.26034	0.913423	3.433631
Adra2b	0.021822	0	0.012511	0.221202
Adra2c	0.015288	0	0	0
Adrb1	0.416433	0.032703	0.295728	0.466646
Adrb2	6.017553	3.676291	5.684619	5.655621
Adrb3	0	0	0	0.061746
Adrbk1	45.718304	44.672896	34.107571	39.564424
Adrbk2	0.291819	0.522174	0.367274	0.63163
Adrm1	61.307541	56.287502	39.845325	47.08382
Adsl	11.90346	27.123503	23.78186	16.379723
Adss	60.337948	53.459309	53.362988	47.863194
Adssl1	38.821037	26.773823	25.100771	27.257778
Adtrp	0	0	0	0.89711
Aebp1	98.150528	136.70821	71.942951	123.51455
Aebp2	18.244306	17.311608	7.32441	16.042647
Aen	7.794859	12.281445	8.419712	12.667604
Aes	52.305032	96.145202	89.27282	106.523937
AF067061	0	0	0	0
AF067063	0	0	0	0
AF251705	4.802855	22.809244	33.391922	28.831749
AF357355	0	0	0.961718	0
AF357359	0	2.26287	0.131312	2.992455
AF357399	2.396876	2.599894	0.488926	0.362256
AF357425	0	0	0	0
AF357426	0	0	0	0
AF366264	0.086664	0.00371	0.002461	0.031863
AF529169	0.046705	0	0	0.133848
Afap1	12.07143	14.235913	8.759692	8.775362
Afap1l1	1.009501	2.76609	2.969372	1.592396
Afap1l2	0	0.231296	0.073477	0.58664
Aff1	8.052824	7.818762	6.126819	6.667694
Aff2	0.033139	0.04729	0	0.129388
Aff3	0	0	0	0.040024
Aff4	16.989014	14.518377	10.664783	11.668694
Afg3l1	9.64286	16.095711	17.090112	11.637867
Afg3l2	51.593166	33.115753	30.559774	32.002029
Afm	0	0	0	0.685497
Afmid	3.595454	3.489471	3.359689	3.015934
Afp	0.360768	2.385451	1.576242	2.825789
Aftph	12.003319	12.683399	14.214922	12.462894
Aga	15.753873	27.120232	27.176907	20.583029
Agap1	9.029621	4.529855	5.181787	7.136165
Agap2	0.406589	0.746458	0.404143	0.587774
Agap3	43.132766	35.34582	29.049502	34.483851

Agbl1	0	0	0	0
Agbl2	0	0.085402	0.028447	0
Agbl3	1.491328	0.929089	1.497107	3.603121
Agbl4	0	0	0	0
Agbl5	6.433739	5.564961	5.854729	3.867126
Ager	9.121574	0.952437	0.750766	2.786821
Agfg1	12.112748	17.240858	12.830486	15.719492
Agfg2	9.066906	8.825075	10.0228	7.641891
Aggf1	9.65946	10.290007	8.792503	11.801901
Agk	7.478059	7.821649	6.716363	6.117548
Agl	6.007215	6.744287	5.991624	4.872391
Agmat	0	0	0	1.422695
Agmo	0	0	0.06855	0.375643
Ago1	6.628654	9.831985	7.256617	6.251529
Ago2	17.182081	10.367298	7.592965	7.39277
Ago3	1.140016	1.259472	1.448579	0.939995
Ago4	0.685546	0.344151	0.437191	0.60325
Agpat1	45.351245	56.854403	47.325738	55.169293
Agpat2	14.303338	17.348192	14.911033	18.036448
Agpat3	15.616026	13.514052	14.385277	13.693876
Agpat4	14.741713	19.927176	23.564232	22.33847
Agpat5	8.975833	9.774547	11.651196	10.144618
Agpat6	31.929277	39.655449	30.297369	34.967468
Agpat9	14.008142	6.444499	8.882812	8.432786
Agps	6.28014	9.417402	8.392677	8.156194
Agr2	0	0	0	0
Agr3	0	0	0	0
Agrn	17.450718	34.858063	25.081047	19.468065
Agrp	0	0	0.456231	0
Agt	1.933664	1.485816	0.183151	10.849061
Agtpbp1	6.609007	6.566903	6.225574	5.673604
Agtr1a	0.818671	0	0.129357	1.369592
Agtr1b	0	0	0	0
Agtr2	0	0	0	0
Agtrap	8.175475	7.052584	7.915025	11.158991
Agxt	0	0	0	0.838694
Agxt2	0	0	0	0.565697
Ahctf1	11.280017	13.340389	10.335785	8.482246
Ahcy	20.122866	31.671833	30.949139	19.180458
Ahcyl1	31.278885	44.03635	41.896599	32.984264
Ahcyl2	1.855438	4.305243	3.280186	3.550491
Ahdc1	8.787873	9.315743	5.721559	6.501106
Ahi1	0.840197	1.940536	1.781273	1.860992
Ahnak	144.115065	118.895086	135.938898	100.974044
Ahr	13.832721	8.960402	5.2429	12.394969
Ahrr	0	0	0.031219	0
Ahsa1	88.59861	153.098572	131.764633	121.828247
Ahsa2	2.679821	8.122515	5.427173	6.607745
Ahsg	10.020374	5.89781	0.388991	337.282375

AI115009	0.339489	1.894681	1.55163	0.797299
AI118078	0	0	0	0.0717
AI182371	0	0	0.08788	1.490829
AI197445	0	0.044681	0	0.195403
AI314180	15.353276	15.630886	14.432251	12.900874
AI314278	0	0	0	0
AI317395	0	0	0	0.099663
AI413582	66.65258	58.631687	88.279175	94.340584
AI414108	0.010198	0	0	0.056701
AI427809	0.116397	0.478049	0.276168	0.570864
AI429214	0.758195	1.659034	2.040389	1.381504
AI450353	2.528291	1.416422	1.988072	1.859777
AI463170	0	0	0	0
AI464131	1.6397	2.048371	1.101916	1.587676
AI467606	3.558186	8.386953	13.127728	14.160793
AI504432	0.517113	1.761234	1.475597	1.799929
AI506816	13.070987	50.551848	39.447536	43.363021
AI507597	0.517171	0.241608	0.39895	0.401287
AI593442	0	0	0	0
AI597479	4.176102	8.739902	8.393188	5.81295
AI606473	0	0	0	0
AI607873	3.41397	2.826205	2.333642	5.003321
AI646519	0	0	0	0
AI661453	0.769311	0.627776	0.30127	0.586431
AI662270	7.65365	13.37934	24.281675	31.994976
AI837181	31.939662	25.03246	22.132617	22.246012
AI839979	0.528163	3.0698	5.471313	2.742007
AI846148	17.330557	15.09778	15.503941	16.186395
AI847159	0	0	0	0
AI854517	0	0	0	0.031031
AI854703	0.138691	0	0	0.081008
AI987944	1.573245	2.712973	3.950641	3.717896
Aicda	0	0	0	0
Aida	16.169275	23.554182	22.493698	23.092922
Aif1	0	13.587266	17.281345	14.829974
Aif1l	3.894749	15.872084	15.297815	6.095105
Aifm1	12.103557	25.212404	23.413321	16.40397
Aifm2	14.857443	6.965099	12.582525	15.833169
Aifm3	0	0	0	0
Aig1	14.873148	20.474791	18.344994	25.883427
Aim1	0.26559	1.688454	1.239191	1.052018
Aim1l	0	0	0	0
Aim2	5.2982	3.922115	5.507579	6.103534
Aimp1	162.677841	103.225037	144.334717	125.703598
Aimp2	41.947483	37.584487	42.865438	42.477705
Aip	27.675358	27.987989	26.490942	28.096521
Aipl1	0	0.323576	0.219968	0
Aire	0	0	0	0
Airn	6.036929	4.240029	8.174156	5.815339

Ajap1	0	0	0	0
Ajuba	10.778729	15.788411	10.900393	9.269256
AK010878	6.186348	7.60031	6.737784	6.638762
Ak1	22.85757	26.659359	15.688711	39.368864
Ak2	81.108087	96.449644	84.366251	71.048655
Ak3	11.488324	12.962007	10.641644	17.314428
Ak4	10.920439	6.397894	6.161273	7.428402
Ak5	16.143091	25.018465	17.931871	13.088146
Ak6	14.533556	48.590149	45.100166	62.167542
Ak7	0	0	0	0.18716
Ak8	0	0.59022	0.658649	2.018083
Akap1	21.071997	33.725154	34.467229	25.310215
Akap10	4.471246	7.046441	7.248978	6.552605
Akap11	3.978544	5.887149	6.056103	5.094611
Akap12	4.459427	1.123556	2.023799	0.894071
Akap13	5.289493	8.495843	6.157821	9.054186
Akap14	0	0	0	0
Akap17b	0.473018	0.330531	0.390755	0.39336
Akap2	10.351933	8.534575	6.422625	5.2928
Akap3	0	0	0	0
Akap4	0	0	0	0
Akap5	0.384178	0.737393	0.514442	1.238971
Akap6	0.110925	0.336079	0.088859	0.234367
Akap7	5.698545	4.219228	5.795913	6.61405
Akap8	25.819079	28.664704	17.729302	24.170375
Akap8l	41.480095	28.581291	24.893734	21.931332
Akap9	5.63005	4.788292	6.187057	4.160204
Akip1	4.509617	4.90366	5.600646	5.570886
Akirin1	8.917057	15.887413	13.032092	17.851898
Akirin2	24.829084	24.424583	21.016796	22.398848
Akna	2.473248	5.973687	4.733087	5.910243
Aknad1	0	0	0	0
Akp3	0	0	0	0
Akr1a1	239.797134	246.82048	258.374451	294.063477
Akr1b10	4.368692	5.792804	7.456898	6.885859
Akr1b3	2.525979	0.898658	0.899582	1.045878
Akr1b7	0	0	0.197283	0.139527
Akr1b8	78.020729	71.42878	60.673183	63.178188
Akr1c12	0.260586	0.830883	1.752599	4.770774
Akr1c13	4.288528	4.864161	6.732646	14.169102
Akr1c14	0.363735	0.91394	0.366007	1.11133
Akr1c18	0	0	0	0.885507
Akr1c19	0	0	0	0.12587
Akr1c20	0	0	0	0.531545
Akr1c21	0	0	0	0
Akr1c6	0	0	0	13.261836
Akr1cl	0	0	0	0
Akr1d1	0	0	0	0.339787
Akr1e1	11.078767	15.986391	20.070425	14.611691

Akr7a5	12.297935	11.017759	9.334831	10.820195
Akt1	79.92331	146.731659	109.696077	119.687268
Akt1s1	32.785908	39.917541	28.379108	44.111523
Akt2	30.115927	34.027824	24.386015	31.33605
Akt3	11.79421	15.550109	11.388328	11.813622
Aktip	15.044293	16.644885	19.168743	17.88016
Alad	2.32358	5.125617	3.878261	5.327007
Alas1	7.973662	11.408961	11.070114	16.137798
Alas2	6.115563	1.913319	1.41198	2.454694
Alb	35.171089	24.074841	2.952581	440.893707
Alcam	14.870719	41.684101	32.593468	32.922001
Aldh16a1	11.910073	15.745386	12.332276	14.267411
Aldh18a1	32.339725	69.046342	54.977892	36.434486
Aldh1a1	4.483963	0.606364	0	2.99262
Aldh1a2	1.725058	0.56022	2.079003	13.296637
Aldh1a3	0.814437	4.544873	1.053185	3.673005
Aldh1a7	0	0.083759	0	0.055602
Aldh1b1	0.279846	0.781732	0.574416	1.497393
Aldh1l1	0.381565	1.370819	0.798556	4.999304
Aldh1l2	9.930232	9.452456	12.362937	9.61934
Aldh2	42.941487	54.059145	54.287891	56.893282
Aldh3a1	0.553599	0.853326	0	2.190631
Aldh3a2	9.012352	10.038518	8.2739	11.224981
Aldh3b1	5.540936	9.275357	11.108617	14.01087
Aldh3b2	0.450979	1.070003	0.759553	0.900807
Aldh3b3	0	0	0	0
Aldh4a1	1.001423	2.486965	2.267325	5.027537
Aldh5a1	0.986111	1.143858	1.519605	0.853282
Aldh6a1	4.97768	3.659172	3.972879	3.720005
Aldh7a1	7.203043	16.301533	12.979169	12.120113
Aldh8a1	0	0.238595	0	0.617266
Aldh9a1	19.394638	23.810656	26.111431	19.242599
Aldoa	1943.902344	805.759812	813.920662	880.580231
Aldoart1	11.829866	4.977758	5.246435	4.079437
Aldoart2	0.690986	0.23371	0.238837	0.359969
Aldob	0.617419	0.543123	0.07564	20.34914
Aldoc	9.98881	8.518229	11.862642	10.899184
Alg1	8.766599	11.939203	13.848494	13.594516
Alg10b	5.011552	7.60684	7.161	4.275198
Alg11	3.659734	6.07263	5.469772	5.387942
Alg12	2.332526	6.229219	5.841238	5.162342
Alg13	2.30676	4.707712	6.242307	3.194737
Alg14	7.720287	15.823306	19.024658	16.047169
Alg2	10.863748	11.688593	11.527476	10.346339
Alg3	9.698477	14.618141	10.028975	15.965373
Alg5	39.90453	48.327503	67.874947	53.915886
Alg6	1.433899	4.472636	6.375187	2.716392
Alg8	5.420168	11.826351	12.375175	9.179023
Alg9	6.578815	11.46459	11.904776	9.530691

Alk	0	0.043017	0	0
Alkbh1	21.892149	25.333647	26.332811	23.974216
Alkbh2	18.207241	11.427839	14.309036	16.475931
Alkbh3	34.474033	28.348373	32.487064	24.003809
Alkbh4	5.306716	5.885162	5.424943	5.937576
Alkbh5	40.741295	25.254618	22.03549	19.955961
Alkbh6	17.424891	16.624311	21.081406	21.963507
Alkbh7	11.941055	8.902639	13.128155	14.979519
Alkbh8	1.596856	4.295115	5.308189	2.799927
Allc	0	0	0	0
Alms1	0.668112	2.196269	1.820439	0.938988
Alms1-ps2	0	0	1.683294	0
Alox12	0.407984	0	0	0.088708
Alox12b	0	0	0	0
Alox12e	0	0	0	0
Alox15	0.594212	0.508302	12.21159	11.099564
Alox5	1.170462	5.928528	6.720368	10.318721
Alox5ap	39.63031	95.130681	137.695683	164.581959
Alox8	0	0	0	0
Aloxe3	0.154637	0.082695	0.091577	0.278596
Alpi	0	0	0	0
Alpk1	0.988621	3.035654	1.819621	3.286221
Alpk2	0	0.140025	0	0.047942
Alpk3	0.046683	1.579905	0	0
Alpl	0.397249	0.047637	0	1.425485
Alppl2	0	0	0	0
Als2	2.178676	2.868234	2.295736	2.385164
Als2cl	1.186309	0.402067	0.46485	1.747553
Als2cr11	0	0	0.114921	0
Als2cr12	0	0	0.929013	0.476269
Alx1	0	0	0	0
Alx3	0	0	0	0
Alx4	0.055367	0.236269	0	0.022312
Alyref	69.813797	113.35215	106.709167	108.172493
Alyref2	1.363399	3.871809	3.674763	4.765053
Amacr	2.677785	5.390903	4.418696	5.83649
Ambn	0	0	0	0
Ambp	2.876527	2.476218	0.592126	118.321114
Ambra1	10.327111	9.694195	8.678984	6.788981
Amd1	1.972527	3.312846	3.839511	1.300556
Amd2	3.224797	10.498871	8.42886	10.657174
Amdhd1	0	0	0	0.675454
Amdhd2	8.146801	17.758039	15.729111	14.840782
Amelx	0	0	0	0
Amer1	3.241192	4.181753	3.901587	3.126351
Amer2	0.036464	0	0.05435	0.117596
Amer3	0	0	0	0
Amfr	43.903191	35.457932	34.000511	35.718777
Amh	0.265719	0	0	0.263083

Amhr2	0.127258	0	0.146353	0.173305
Amica1	3.697949	3.381709	4.044587	2.386592
Amigo1	1.037804	1.274788	1.619688	1.452992
Amigo2	0.458641	0.210516	0.061284	0.876489
Amigo3	0.732953	1.558114	0.944431	1.232232
Ammecr1	3.269459	5.198123	3.812849	3.803838
Ammecr1l	6.923682	13.254235	8.977151	10.648136
Amn	0.731732	0.250796	0.217814	1.143877
Amn1	6.013776	9.605629	14.054936	8.713467
Amot	1.460654	2.148955	1.38098	1.194507
Amotl1	25.323315	15.501608	10.463145	18.484537
Amotl2	14.729804	14.921795	9.775204	13.164792
Ampd1	0.105513	1.695703	0	0
Ampd2	17.005349	28.247613	17.412914	22.321501
Ampd3	6.953205	1.35844	2.381924	2.138421
Amph	0	0	0	0
Amt	6.40891	3.954803	4.575812	6.956583
Amtn	0	0	0	0.276397
Amy1	2.050759	0.215496	0.082626	0.783519
Amy2a2	0	0	0	0
Amy2a3	0	0	0	0
Amy2a4	0	0	0	0
Amy2a5	0	0	0	0
Amy2b	0	0	0	0
Amz1	4.255185	2.930985	3.208696	6.298066
Amz2	12.055987	13.434463	12.979945	12.733275
Anapc1	12.740298	18.626974	17.593103	12.162766
Anapc10	4.053114	6.011304	9.123854	7.739937
Anapc11	22.557508	22.68684	26.924925	30.830537
Anapc13	63.846077	73.669449	92.775772	105.574348
Anapc15	15.633506	18.503012	22.284012	29.311209
Anapc16	37.379784	46.18409	58.691013	51.253101
Anapc2	48.699207	35.48457	25.062569	26.1588
Anapc4	25.605747	25.175089	26.273397	21.418774
Anapc5	77.093255	85.215123	68.462687	71.819739
Anapc7	17.527163	16.209965	15.778033	14.295118
Ang	2.831876	6.867152	14.284427	15.072185
Ang2	0.735393	0.408143	0.562121	2.495598
Ang3	35.166687	15.59822	12.993794	63.333656
Ang4	16.190075	7.726725	6.361996	38.084209
Ang5	0	0	0	11.30166
Ang6	4.132754	0	1.614268	5.423717
Angel1	2.510329	2.071968	2.946536	1.780297
Angel2	14.502779	18.494468	18.114641	15.717198
Angpt1	0	0.546974	0.091273	0.635648
Angpt2	3.569569	2.912491	5.332318	2.437602
Angpt4	2.132164	0	0	1.820931
Angptl1	0	4.337	0.044949	0
Angptl2	75.184311	174.224899	101.169624	91.318108

Angptl3	0.210904	0	0	6.018556
Angptl4	31.707384	16.960823	15.180523	24.077047
Angptl6	9.900764	2.553317	4.872496	4.651194
Angptl7	1.746973	0.307825	0.071642	0.952939
Ank	110.611183	274.607605	172.518433	234.604767
Ank1	0.262786	0.955705	0.257781	0.536923
Ank2	1.271604	2.559767	2.095202	1.509319
Ank3	4.258919	6.64141	5.058522	3.424609
Ankar	0	0	0	0
Ankdd1b	0	0.319738	0.222022	0.434077
Ankef1	0	0	0	0
Ankfn1	0	0	0	0
Ankfy1	6.411	11.367496	8.187044	8.338539
Ankhd1	7.296993	9.046436	6.715661	6.292809
Ankib1	4.297814	5.447372	4.734123	5.217483
Ankk1	0	0	0	0
Ankle1	0.134993	4.264695	4.735153	2.193774
Ankle2	11.858648	13.997709	14.308459	12.013731
Ankmy1	0	0	0	0
Ankmy2	7.47054	8.343177	8.250724	7.235085
Ankra2	4.620822	10.243889	10.035625	8.829119
Ankrd1	33.786316	53.62553	32.423527	29.099047
Ankrd10	21.342572	34.397339	28.868021	27.638965
Ankrd11	28.625995	29.923256	21.674116	19.071884
Ankrd12	2.616802	2.498466	2.021228	3.631876
Ankrd13a	16.214418	23.008488	19.969082	19.211885
Ankrd13b	23.564373	29.686447	24.6791	16.720743
Ankrd13c	8.076547	13.687423	11.817044	10.10429
Ankrd13d	1.382857	1.465564	1.373543	2.133768
Ankrd16	15.336115	11.880067	14.510367	11.049765
Ankrd17	11.604328	12.107013	10.004637	9.048186
Ankrd2	0	2.383728	0	0
Ankrd22	0	0	0.055774	0
Ankrd23	4.469458	21.822971	4.219049	5.474075
Ankrd24	1.655052	2.156469	2.035903	3.516238
Ankrd26	1.504501	4.795557	3.838943	2.545622
Ankrd27	11.775819	19.472571	16.628488	13.291128
Ankrd28	16.710953	22.517916	23.25462	13.436804
Ankrd29	0.882316	0.764483	1.40583	0.803972
Ankrd32	0.582856	1.603665	2.763654	1.305749
Ankrd33	0	0	0	0
Ankrd33b	2.905272	1.075783	1.970709	0.891532
Ankrd34a	0.191114	1.45017	0.681947	0.488109
Ankrd34b	0	0	0	0
Ankrd34c	0	0	0	0
Ankrd35	0.130548	0.099915	0.092799	0.113395
Ankrd36	0	0	0	0
Ankrd37	97.578613	31.609467	96.478737	54.151508
Ankrd39	5.038656	6.53711	7.76657	6.660789

Ankrd40	14.510725	16.733246	14.383349	18.134462
Ankrd42	0	0.38128	0.184554	0.20697
Ankrd44	2.529899	2.009126	2.287847	3.419198
Ankrd45	0	0	0	0.046564
Ankrd46	9.222138	13.167531	10.723597	12.360729
Ankrd49	1.88402	6.253039	6.053802	5.255047
Ankrd50	12.028843	11.840707	8.003191	7.780204
Ankrd52	10.953651	16.331398	13.053025	11.219179
Ankrd53	0.228229	0.313429	0	0
Ankrd54	19.161301	14.33151	12.58612	15.651296
Ankrd55	1.542487	0.235144	1.272154	2.398083
Ankrd6	1.335823	2.68463	1.240468	1.228773
Ankrd60	0	0	0	0
Ankrd61	0.394402	0.721378	0.894424	0.303149
Ankrd63	0	0	0	0.011941
Ankrd66	0.412639	1.292029	1.052182	0.687791
Ankrd7	0	0	0	0
Ankrd9	4.111305	3.457556	4.445753	3.642343
Anks1	3.478191	2.9879	4.056419	4.318856
Anks1b	0.318377	0.423535	0.156293	0.602922
Anks3	9.683321	10.581401	11.288137	10.740935
Anks4b	0	0	0	0.257335
Anks6	0.23661	0.335993	0.199814	0.482387
Ankub1	0	0	0	0
Ankzf1	12.393677	12.787785	15.165953	10.894238
Anln	6.094223	17.333487	22.005461	12.469729
Ano1	17.094003	56.188416	36.452363	25.742202
Ano10	11.427914	15.415001	10.952665	12.25743
Ano2	0	0	0	0.029561
Ano3	0	0	0	0
Ano4	0	0	0	0.082973
Ano5	0	0.113972	0	0
Ano6	27.576736	30.665942	25.19059	26.331879
Ano7	0	0	0	0
Ano8	18.794859	33.599503	32.372162	20.757202
Ano9	0	0	0	0
Anp32a	81.462311	73.155098	63.706169	72.506973
Anp32b	276.913971	224.176407	195.70575	253.91655
Anp32e	25.935927	49.549948	37.907141	30.785116
Anpep	3.399224	8.43162	5.008774	20.069677
Antxr1	7.689873	9.790329	12.717687	13.273661
Antxr2	5.399043	22.043976	15.709949	13.193828
Antxrl	0	0	0	0.146379
Anxa1	362.037506	417.668854	463.584747	352.853668
Anxa10	0	0	0	0
Anxa11	20.577639	19.561466	20.014271	14.804155
Anxa13	0	0	0	0.140654
Anxa2	1305.791382	867.068848	832.401672	965.545959
Anxa3	106.508904	163.141479	205.260376	156.717194

Anxa4	61.900738	76.634254	74.672867	69.21701
Anxa5	149.911499	394.052734	271.663177	269.064331
Anxa6	51.403161	97.232914	52.032669	62.824411
Anxa7	43.688451	35.567541	57.868921	43.267434
Anxa8	64.95932	63.716839	21.464184	46.901718
Anxa9	2.824655	3.259239	5.010723	3.039656
Aoah	0.152579	2.013695	1.358112	1.613198
Aoc1	5.153011	0	0	3.41084
Aoc2	4.714699	4.029873	2.758745	4.284596
Aoc3	0.247696	1.718901	0.825476	0.323314
Aox1	10.564923	7.889772	8.374781	6.024213
Aox2	0	0	0	0
Aox3	0	0	0	0.223831
Aox4	0.039867	0	0	0
Ap1ar	17.750624	24.453672	22.04468	15.742771
Ap1b1	11.339363	19.122102	14.215465	16.232445
Ap1g1	9.175687	8.085327	8.343645	5.649313
Ap1g2	8.77858	11.714459	11.1603	10.061338
Ap1m1	29.775564	40.104588	35.783386	29.66888
Ap1m2	0	0	0	0
Ap1s1	65.268204	59.444195	65.56115	68.738068
Ap1s2	4.475916	7.269295	7.932462	7.958689
Ap1s3	0.31876	0.441401	0.452125	0.556349
Ap2a1	29.304468	29.358101	21.973475	23.798689
Ap2a2	40.967575	36.937008	29.910154	30.041891
Ap2b1	31.293562	32.893562	24.221051	22.641955
Ap2m1	52.619481	67.562649	61.21871	64.936189
Ap2s1	87.233559	84.308922	92.927162	131.829605
Ap3b1	22.534166	19.555813	17.285839	15.734069
Ap3b2	0	0.033444	0	0.061002
Ap3d1	23.131712	23.159969	20.234882	21.188463
Ap3m1	3.362016	5.901608	5.7316	5.601058
Ap3m2	4.378016	5.467275	4.854284	5.995707
Ap3s1	26.241219	26.219704	27.038972	38.114563
Ap3s2	4.751077	6.630805	5.81705	5.988476
Ap4b1	9.172005	10.726664	11.634155	10.29727
Ap4e1	4.733768	3.039171	2.693865	2.915649
Ap4m1	10.514188	12.53051	9.737215	9.257706
Ap4s1	8.492034	16.230959	17.17255	19.853979
Ap5b1	1.120364	2.199931	2.041059	1.513281
Ap5m1	1.415963	2.579294	3.101518	2.517769
Ap5s1	1.554784	5.960058	8.574718	8.201846
Ap5z1	4.588382	6.707168	5.816396	6.961953
Apaf1	3.567168	5.94711	5.338432	3.322784
Apba1	0.626252	0.452352	0.391044	0.599454
Apba2	0	0	0	0
Apba3	19.583843	16.089109	13.044939	14.696897
Apbb1	6.206823	3.057627	3.807221	3.803736
Apbb1ip	9.619055	12.234399	10.913073	12.250948

Apbb2	6.662598	12.500125	8.37326	3.627852
Apbb3	9.535531	9.094176	7.474567	8.776319
Apc	4.65378	5.403761	4.38767	4.011791
Apc2	1.069942	1.194528	1.179982	1.166528
Apcdd1	2.745335	6.589129	3.420647	6.032025
Apcs	0	0.472006	0	12.340103
Apeh	16.348389	21.49218	18.839443	17.373022
Apela	0	0	0	0
Apex1	44.342205	66.568123	53.765892	22.738504
Apex2	8.977412	10.42421	7.24129	6.672466
Aph1a	23.642907	23.781467	24.523462	23.080237
Aph1b	0.444154	0.620556	0.581654	1.279388
Aph1c	0.466265	0.616052	1.072335	1.605511
Api5	25.926628	29.835287	27.206984	22.751603
Apip	12.086071	18.718269	24.17219	26.780329
Apitd1	1.32855	9.390302	8.156139	9.624788
Aplf	1.786491	3.68679	3.157424	3.143734
Apln	15.063338	16.364117	19.461258	8.994747
Aplnr	0.179826	1.371436	1.204978	0.437116
Aplp1	1.996531	0.4898	0.452893	1.995861
Aplp2	41.435562	52.368545	38.295824	50.983717
Apmap	9.912194	13.175275	17.401775	12.901342
Apoa1	13.000448	11.248502	0.893795	449.173096
Apoa1bp	113.757416	98.335464	137.159592	111.51841
Apoa2	7.199512	5.754621	3.250909	103.231386
Apoa4	9.905284	0.14058	0	28.911564
Apoa5	0.591547	0.528913	0.084297	13.199499
Apob	0.092631	0.07919	0.046023	3.275253
Apobec1	4.146788	8.413435	11.524329	12.518803
Apobec2	0.324937	4.772835	0.134372	0
Apobec3	7.360746	17.743921	17.733081	12.795236
Apobec4	0	0	0	0
Apobr	16.01577	21.928116	20.808081	26.79314
Apoc1	7.595922	8.075231	1.954266	286.144234
Apoc2	12.763665	14.595044	37.229614	96.08358
Apoc3	7.254673	1.075849	0.234113	99.018229
Apoc4	9.072815	0	0	57.587715
Apoc4-apoc2	0	0	0	0.112902
Apod	0	3.065922	0	0.226128
Apoe	771.321174	826.706743	783.374582	2308.834299
Apof	0.141217	0.439091	0	5.679223
Apoh	1.032309	1.32128	0	23.501831
Apol10a	0	0	0	0
Apol10b	0.285614	0.469722	0.362661	0.700553
Apol11a	0	0	0	0
Apol11b	0.155946	0	0	0.043423
Apol6	0	0.422488	0	0.100248
Apol7a	4.043886	4.051251	5.641504	4.000076
Apol7b	0	0.128177	0	0

Apol7c	0	0	0	0
Apol7d	0	0	0.445747	0
Apol7e	0	0.090074	0	0.114419
Apol8	0.397224	0.16159	0	0.219373
Apol9a	5.070298	5.821574	4.427572	5.931038
Apol9b	5.845485	8.006312	5.849138	7.823905
Apold1	1.837139	4.199126	3.577479	1.502261
Apom	0.534383	0	0.134354	7.326719
Apon	0	0.236007	0	3.471598
Apoo	1.135317	6.520411	4.286822	7.506818
Apoo-ps	0	0	9.66963	0.637506
Apool	5.238976	10.867573	13.307487	8.428229
Apopt1	36.303501	36.706852	48.750927	48.020428
App	195.169605	230.749191	198.508376	188.626463
Appbp2	17.954344	14.089136	14.126225	13.587364
Appbp2os	0	0	0	0
Appl1	5.675986	5.331446	5.377503	4.548964
Appl2	48.32449	23.312365	26.46384	25.630772
Aprt	361.689423	296.165833	332.855011	345.894806
Aptx	3.963686	3.123077	3.755981	2.936284
Aqp1	29.705931	71.3871	66.836143	44.677086
Aqp11	0.600132	0.545605	0.577398	0.938118
Aqp12	0	0	0	0
Aqp2	0	0	0	1.417744
Aqp3	0.279861	0.115839	0.666385	0.155397
Aqp4	0	0.045919	0	0
Aqp5	3.108931	5.37851	3.938806	5.278129
Aqp6	0	0.102983	0.215134	0
Aqp7	0.151307	0	0	0.114983
Aqp8	0	0	0	1.665239
Aqp9	4.630826	2.563938	2.45716	10.399821
Aqr	11.689808	13.015198	8.710692	7.671991
Ar	0.076623	0.037947	0.06009	0.046144
Araf	37.554964	49.152809	45.31288	36.831604
Arap1	8.778449	14.56122	9.594808	16.455703
Arap2	0.41782	0.183655	0.080086	0.542484
Arap3	3.465323	5.233556	3.904128	7.509528
Arc	6.750561	1.927582	2.018195	1.611386
Arcn1	30.661341	35.482681	28.41396	28.663073
Areg	1.552274	9.827632	3.848993	12.346427
Arel1	10.991185	22.890366	17.183489	13.066494
Arf1	216.713912	192.744831	175.092097	168.495108
Arf2	15.61596	22.423026	18.446915	25.577658
Arf3	52.180737	56.70282	40.709965	48.446354
Arf4	74.227722	81.710999	86.233803	94.799156
Arf5	156.960159	114.239769	116.751846	161.277069
Arf6	120.971695	67.15313	50.214695	57.631668
Arfgap1	24.58948	27.5312	18.392074	22.971315
Arfgap2	14.460192	21.380591	20.050241	19.914808

Arfgap3	25.731956	18.902159	15.849294	22.479477
Arfgef1	9.898192	10.695016	7.905686	8.274131
Arfgef2	3.534878	3.408804	2.522001	3.520058
Arfgef3	0	0	0.01798	0
Arfip1	19.77102	18.439684	15.048869	17.476468
Arfip2	12.986489	20.675703	16.808035	16.351551
Arfrp1	14.034783	16.646012	15.046354	15.291461
Arg1	469.707855	557.874634	1036.244629	1264.276001
Arg2	1.346624	1.005277	0.277079	0.530596
Arglu1	44.953701	62.661785	64.794334	55.04948
Arhgap1	27.7817	34.680678	25.874428	30.721583
Arhgap10	27.456966	18.804338	12.903581	11.471118
Arhgap11a	4.806535	11.648137	12.940192	9.799018
Arhgap12	3.420342	4.305623	5.242938	3.824115
Arhgap15	0.452188	0.869555	4.721048	3.292263
Arhgap15os	0	0	0	0
Arhgap17	8.815157	7.952976	8.404694	7.941491
Arhgap18	5.608405	8.80412	10.75113	8.722763
Arhgap19	1.251388	4.616988	5.908143	3.436402
Arhgap20	0.147531	0.026668	0	0.317335
Arhgap20os	0	0	0	0.127368
Arhgap21	4.627748	12.035436	7.584914	6.937281
Arhgap22	14.705674	39.801743	30.857967	20.475986
Arhgap23	12.639141	11.182004	7.936819	9.955215
Arhgap24	1.512395	2.939499	1.30777	2.646733
Arhgap25	0.637427	2.680016	2.712425	4.137261
Arhgap26	0.497808	0.737633	0.984674	0.807346
Arhgap27	3.441138	2.643109	5.289927	4.728286
Arhgap27os3	0.081778	0.261833	0.306248	0.377256
Arhgap28	0.452002	0.134644	0	0.293123
Arhgap29	5.261246	5.365127	7.165785	5.181553
Arhgap30	3.58457	9.770686	9.019584	14.67766
Arhgap31	2.252698	3.355272	2.337214	3.638422
Arhgap32	2.600076	2.503352	1.861368	1.942337
Arhgap33	1.773268	0.922742	1.222751	0.463268
Arhgap33os	0	0	0	0
Arhgap35	6.971177	10.49897	7.049956	6.206224
Arhgap36	0	0	0	0
Arhgap39	3.323526	5.33919	3.671747	5.482123
Arhgap4	1.977705	9.989966	8.159699	9.125069
Arhgap40	0	0	0	0
Arhgap42	2.405565	5.280592	4.50287	4.648881
Arhgap44	0.192184	0.217674	0.03626	0.307631
Arhgap5	3.564117	5.734966	5.37689	3.473141
Arhgap6	0.723897	0.677425	0.800488	1.937451
Arhgap8	0	0	0	0.494375
Arhgap9	5.411226	11.169094	13.110849	20.232792
Arhgdia	247.365921	232.38385	175.366714	183.117447
Arhgdib	44.806088	81.488395	112.694372	127.543994

Arhgdig	7.326208	15.858728	17.239092	9.971601
Arhgef1	28.641135	36.41744	31.67465	32.657831
Arhgef10	3.320373	3.571347	2.451877	2.176756
Arhgef10l	13.522502	10.953167	9.048673	6.881258
Arhgef11	9.864533	9.878425	8.008241	7.693334
Arhgef12	8.091532	6.777426	4.666063	6.654602
Arhgef15	1.117764	1.90341	2.351607	1.182784
Arhgef16	0.12767	0	0	0.191128
Arhgef17	8.59487	10.717696	8.760303	7.704453
Arhgef18	5.248504	9.569379	6.628444	5.33586
Arhgef19	5.883094	5.131736	3.088352	5.168399
Arhgef2	63.440223	71.870955	46.88795	51.064007
Arhgef25	49.480638	45.152571	39.053131	33.383377
Arhgef26	0.122624	0.097819	0.160576	0.26481
Arhgef28	5.84567	7.411089	5.909492	2.654469
Arhgef3	6.638747	8.298046	6.516075	5.812122
Arhgef33	0	0	0	0
Arhgef37	0	0	0.091358	0.179478
Arhgef38	0	0	0	0
Arhgef39	2.168326	4.842251	6.872807	3.634502
Arhgef4	1.510864	1.945178	2.186642	1.59655
Arhgef40	21.634074	43.075148	28.280095	25.586732
Arhgef5	1.487267	0.755825	0.38201	2.232832
Arhgef6	0.475477	1.674989	2.290174	2.749933
Arhgef7	11.91578	26.588118	17.35905	16.258572
Arhgef9	0.105093	0.307468	0.248826	0.13591
Arid1a	17.023798	19.755547	12.207639	14.773714
Arid1b	5.502578	5.685921	3.77761	4.247889
Arid2	7.498367	6.305004	5.064925	5.067172
Arid3a	3.821122	2.910791	4.102597	4.055678
Arid3b	1.03058	1.191271	0.61837	1.537377
Arid3c	0	0	0	0
Arid4a	7.918037	7.904288	6.868877	7.316731
Arid4b	4.7816	4.913038	4.605895	4.123579
Arid5a	4.092661	8.37921	5.133202	7.540476
Arid5b	8.338797	6.369293	5.146451	5.342464
Arih1	12.588072	14.042147	9.730927	10.682615
Arih2	24.070915	14.061971	11.833265	15.934912
Arl1	104.887306	103.874672	139.083008	144.742477
Arl10	2.777417	8.264981	8.861647	8.269326
Arl11	11.432014	9.061405	9.930767	13.494614
Arl13a	0	0	0	0
Arl13b	5.185658	6.889906	5.213709	3.883829
Arl14	0	0	0	0
Arl14ep	8.175366	12.558163	9.553312	9.963206
Arl14epl	0	0	0	0
Arl15	2.275275	2.585789	2.897664	2.715136
Arl16	3.776863	8.615237	8.142222	8.81084
Arl2	55.426163	49.777927	54.655212	49.302315

Arl2bp	34.477643	26.237018	28.648879	28.401978
Arl3	51.534737	62.471176	64.599838	66.425461
Arl4a	7.021362	3.735036	4.347332	5.209452
Arl4c	22.46023	55.911961	38.846493	35.756008
Arl4d	13.799632	2.941158	5.092835	3.805715
Arl5a	7.101118	11.165215	9.940072	11.667018
Arl5b	1.811972	2.394462	1.712756	1.697104
Arl5c	0.998067	1.058954	1.515424	2.231324
Arl6	2.439726	10.348923	9.37394	5.516184
Arl6ip1	36.736164	47.742313	68.935776	59.777092
Arl6ip4	46.763996	49.956398	51.936932	56.707634
Arl6ip5	120.01709	175.233002	220.788696	173.7034
Arl6ip6	5.241912	8.391919	9.222409	7.353215
Arl8a	96.868614	55.594711	49.279617	64.483788
Arl8b	25.196812	22.585293	25.425913	20.454058
Arl9	0	0	0	0
Armc1	6.942657	15.858265	17.100739	14.957392
Armc10	13.561211	20.320745	24.693771	16.065374
Armc12	0.314487	0	0	0
Armc2	0	0.132582	0	0
Armc3	0	0	0.081086	0.038644
Armc4	0	0	0	0
Armc5	5.015045	4.693695	3.973395	5.639587
Armc6	4.630314	9.724072	7.237069	9.423637
Armc7	2.897013	3.190936	3.65296	5.204714
Armc8	2.389312	4.236871	5.143638	6.090726
Armc9	2.156895	3.351537	4.709505	2.338675
Armcx1	2.142067	2.659075	3.520208	2.274926
Armcx2	2.935724	6.989408	7.82307	4.873066
Armcx3	0.748168	1.696679	1.364358	2.476823
Armcx4	0.397343	0.969272	0.954271	0.887966
Armcx5	3.320768	2.433025	2.366332	1.098279
Armcx6	0.231448	0.218054	0.084087	0.449736
Armt1	7.401534	8.996636	9.312222	8.078919
Arnt	30.139416	20.241576	18.665862	18.918906
Arnt2	0	0	0	0.047278
Arntl	10.791642	10.837481	7.962752	7.730257
Arntl2	6.03766	12.999042	12.204176	7.964717
Arpc1a	58.849228	76.459671	96.731438	91.210861
Arpc1b	154.273346	297.193512	282.59787	295.666077
Arpc2	177.931259	207.682236	176.234131	189.874695
Arpc3	209.417816	235.519608	276.378265	298.052399
Arpc4	73.573645	93.141858	98.772343	100.988611
Arpc5	80.54921	137.239975	164.680191	170.020523
Arpc5l	37.171478	48.516842	57.264114	63.653103
Arpin	13.192364	19.367277	20.616932	13.40099
Arpp19	28.349168	20.766031	22.285538	24.653565
Arpp21	0.072469	0.357329	0	0.016977
Arr3	0	0	0	0

Arrb1	17.743242	8.382404	10.396721	11.996818
Arrb2	22.741994	50.72154	40.915438	44.02201
Arrdc1	15.101085	15.529277	16.862837	17.500401
Arrdc2	8.604601	5.812044	4.899555	6.032036
Arrdc3	17.172319	11.921841	18.067295	9.14931
Arrdc4	16.927395	9.184707	8.462224	15.314177
Arrdc5	0	0	0	0
Arsa	9.531171	12.430228	12.766106	10.901923
Arsb	5.866333	16.688738	20.724524	9.56747
Arsg	4.089342	1.902413	4.069776	4.792676
Arsi	0.20144	0.741649	0.441899	1.823989
Arsj	1.301211	5.987714	4.425626	2.82488
Arsk	1.129816	3.676468	4.340448	2.8013
Art1	0	5.397672	0	0
Art2a-ps	0	0	0.155651	0
Art2b	0	0	0	0
Art3	0.348327	1.0243	0.34025	0.074271
Art4	0.373596	0	0	0.410004
Art5	0	0.716883	0.052313	0
Artn	0.785655	2.110962	2.639891	1.452039
Arv1	5.578992	7.794762	8.613585	7.276091
Arvcf	1.97292	1.106051	0.900991	1.541548
Arx	0	0	0	0
Arxes1	0.726586	3.360828	3.433422	1.482921
Arxes2	1.452087	4.953701	5.85999	2.599889
As3mt	0.690363	5.62939	7.740705	6.783471
Asah1	52.966091	99.163918	123.137947	98.544205
Asah2	0.868346	1.012418	1.34812	1.639449
Asap1	13.665802	13.677379	9.953641	9.984941
Asap2	8.434272	13.213059	8.972	9.154694
Asap3	0.864076	1.129849	0.593204	1.358034
Asb1	2.290182	2.565104	2.001969	2.582965
Asb10	0	0.256257	0	0
Asb11	0	0.459289	0	0.137979
Asb12	0	0.134695	0	0
Asb13	1.294271	4.754444	4.33868	5.425521
Asb14	0	0.104721	0	0
Asb15	0	0.079529	0	0
Asb16	0	0	0	0
Asb17	0	0	0	0
Asb17os	0	0	0	0
Asb18	0	0	0	0
Asb2	0	1.844996	0.091527	0.172044
Asb3	2.498043	3.604278	3.760803	3.12972
Asb4	0.692703	0.31842	0.829841	1.399171
Asb5	0	1.409099	0	0
Asb6	16.9674	13.771325	10.960753	14.250875
Asb7	2.625275	3.663497	2.126761	3.329983
Asb8	10.586741	11.809418	10.139126	13.207194

Asb9	0	0	0	0
Ascc1	21.346501	19.072834	20.952136	14.680616
Ascc2	13.353393	18.90517	15.717058	14.578047
Ascc3	1.68424	3.408473	3.082158	1.960377
Ascl1	0	0	0	0
Ascl2	0	0.182138	0	0.609239
Ascl3	0	0	0	0
Ascl4	0	0	0	0
Ascl5	0.087397	0	0	0
Asf1a	7.238272	8.798437	12.041302	9.009216
Asf1b	2.391658	16.853359	17.107042	11.009475
Asgr1	0.382275	0	0	15.978802
Asgr2	0.462794	1.281709	0.251234	5.500295
Ash1l	9.033487	9.689431	7.460346	6.351082
Ash2l	27.590943	34.082524	22.573189	19.054912
Asic1	4.361692	6.397395	5.353312	5.457649
Asic2	0	0	0	0
Asic3	0.580274	0	0.580061	1.306855
Asic4	0	0	0	0
Asic5	0	0	0	0
Asl	17.425093	21.762547	29.422285	19.247051
Asmt	0	0	0	0
Asna1	66.738503	70.890549	62.442131	67.350616
Asns	45.785629	69.670303	53.655437	40.46706
Asnsd1	26.062143	32.987128	40.371382	22.744167
Aspa	0	0	0.385019	0.075024
Aspdh	0	0	0	0.820303
Aspg	0.803169	0.152197	0.053351	0.417833
Asph	16.446959	25.653475	26.972941	15.628895
Asphd1	0	0	0	0
Asphd2	0.808521	2.544482	2.416066	3.318015
Aspm	0.33813	3.272171	4.756748	1.928816
Aspn	0.231857	11.570377	1.073355	0.75646
Asprv1	0.453141	0.110852	0.301047	0.561604
Aspscr1	36.363304	28.588161	26.253502	25.286591
Asrgl1	5.739046	5.51388	7.829897	4.781639
Ass1	1.011222	1.455284	2.636116	0.786345
Aste1	1.592462	2.787481	2.791793	3.176685
Astl	0	0	0	0
Astn1	0	0	0.156596	0
Astn2	0	0	0	0
Asun	6.622991	15.315613	12.1314	12.540396
Asxl1	15.958817	17.993271	12.849819	12.819085
Asxl2	5.796642	6.035681	5.388617	4.120386
Asxl3	0	0	0	0
Asz1	0	0	0	0
Atad1	22.166498	31.827797	31.862301	23.592587
Atad2	5.61299	14.141476	15.267387	10.30302
Atad2b	2.760159	2.965507	3.721073	2.568674

Atad3a	52.350708	57.171848	43.118111	34.649437
Atad3aos	0	0	0.350931	0
Atad5	0.92512	2.68789	3.188999	1.539521
Atat1	5.385648	10.808738	7.416181	10.469977
Atcay	0	0	0	0
Atcayos	0	0	0	0
Ate1	2.800241	6.642189	4.956504	6.458007
Atf1	32.660931	29.667986	26.79059	25.65802
Atf2	13.060442	12.745922	10.431495	4.699716
Atf3	30.65304	15.754487	19.631939	7.445367
Atf4	468.359131	274.051697	230.790466	292.706635
Atf5	79.287953	97.719218	44.16162	113.899158
Atf6	10.56204	14.55273	11.531942	9.041993
Atf6b	8.110456	20.146027	20.579344	20.879759
Atf7	14.298418	7.736754	9.781974	9.275018
Atf7ip	9.424516	14.37381	12.405559	9.380441
Atf7ip2	0	0	0	0
Atg10	3.192739	3.994127	4.802787	4.535001
Atg101	20.568342	19.806551	16.497211	23.946564
Atg12	26.130615	21.194201	25.852615	24.830055
Atg13	11.108663	10.15762	7.05363	8.377213
Atg14	6.043187	3.923958	4.110096	5.219436
Atg16l1	18.887057	19.235566	15.740147	19.155216
Atg16l2	6.52792	9.248855	8.03883	7.08536
Atg2a	7.786848	9.223403	7.981164	6.474959
Atg2b	5.517729	7.567445	6.834774	5.985463
Atg3	21.185127	19.038237	21.522892	24.2246
Atg4a	1.048381	1.513749	1.995116	1.877721
Atg4b	25.639326	16.282318	13.851176	14.721278
Atg4c	1.906985	3.499722	4.332218	4.102983
Atg4d	9.049571	11.452755	10.822129	12.121365
Atg5	11.73962	16.130404	16.447437	19.630091
Atg7	7.19978	6.714569	10.07614	12.132971
Atg9a	16.348626	14.273292	13.801339	14.974968
Atg9b	3.47582	17.298641	17.533831	8.984709
Athl1	3.850152	7.337736	5.210309	5.423583
Atic	39.41066	64.482368	51.03598	41.779633
Atl1	1.258608	0.772421	1.496223	1.168006
Atl2	8.255379	13.069636	8.532156	7.327086
Atl3	10.342684	16.506193	15.714212	7.13413
Atm	1.29952	2.48511	2.38021	1.726682
Atmin	3.997662	5.660075	4.170225	6.126763
Atn1	60.649387	38.630295	22.942333	29.612038
Atoh1	0	0	0	0
Atoh7	0	0	0	0
Atoh8	10.545186	3.18051	2.643139	8.456496
Atox1	149.928177	256.156372	318.674744	314.218414
Atp10a	1.731184	8.10303	7.022069	5.389641
Atp10b	0	0	0	0

Atp10d	1.655412	2.344716	2.750585	1.748247
Atp11a	5.04761	11.357029	8.222088	7.496088
Atp11b	15.200953	18.63291	18.66795	17.495016
Atp11c	1.059425	2.569335	2.142135	1.389124
Atp12a	0	0	0	0
Atp13a1	26.83353	35.069717	27.123856	26.692015
Atp13a2	7.229411	20.080924	22.041008	17.570798
Atp13a3	6.111838	10.586937	10.138053	9.22101
Atp13a4	0	0	0	0
Atp13a5	0	0	0	0
Atp1a1	83.023834	116.036888	111.528679	112.808258
Atp1a2	0	6.165294	0.031315	0.409264
Atp1a3	6.663783	11.241707	18.804041	21.056915
Atp1a4	0	0	0.05633	0.397948
Atp1b1	3.753107	2.888435	2.55449	3.012575
Atp1b2	0.927334	4.372573	2.023528	2.045783
Atp1b3	38.509903	63.798016	72.010841	72.029503
Atp1b4	0	0	0	0
Atp2a1	0.100894	96.972527	0	0.134391
Atp2a2	41.987	68.020515	49.255475	44.255868
Atp2a3	0.683975	2.999887	3.967578	3.074661
Atp2b1	18.673655	18.534626	15.644165	17.346022
Atp2b2	0	0	0	0.016364
Atp2b3	0	0	0.014595	0.044735
Atp2b4	3.218057	9.759724	6.102921	2.259511
Atp2c1	16.00978	13.896566	14.401278	14.175466
Atp2c2	0	0	0.030353	0.342173
Atp4a	0	0	0	0
Atp4b	0	0	0	0
Atp5a1	191.260254	242.441055	239.336029	196.590393
Atp5b	353.233826	436.563477	415.404053	334.302704
Atp5c1	209.610812	209.091628	298.71523	217.210929
Atp5d	144.260681	161.786392	165.426788	150.281265
Atp5e	589.4953	449.305389	804.371277	1029.315552
Atp5f1	138.959579	153.252319	217.710587	183.61853
Atp5g1	77.183514	76.053159	80.519622	74.044441
Atp5g2	216.218338	155.958832	215.290512	167.354797
Atp5g3	223.555671	223.206948	293.487965	273.242515
Atp5h	412.845367	401.08136	585.733643	540.058777
Atp5j	90.858876	173.248921	220.481741	232.737124
Atp5j2	400.12439	387.365051	659.508179	656.97821
Atp5k	233.945526	339.885803	469.108154	469.286896
Atp5l	201.971649	172.413605	280.553741	236.135239
Atp5o	260.9263	331.644928	417.87558	397.465851
Atp5s	3.34766	4.587455	4.696266	2.582811
Atp5sl	10.536338	12.658289	10.76988	11.899948
Atp6ap1	77.121902	109.490501	106.960258	113.337105
Atp6ap1l	0	0	0	0
Atp6ap2	19.366726	26.907179	31.227795	33.479977

Atp6v0a1	10.760226	19.186607	15.358986	20.804813
Atp6v0a2	7.220015	12.141494	9.000796	11.60041
Atp6v0a4	0.085127	0.177098	0.171226	0
Atp6v0b	138.185516	166.331436	210.034515	245.051575
Atp6v0c	108.189377	1.129579	122.032936	160.854675
Atp6v0c-ps2	0.263711	126.192398	0.529294	0.22934
Atp6v0d1	53.127064	51.324265	50.863522	63.193867
Atp6v0d2	8.331755	3.016859	2.549374	14.261233
Atp6v0e	109.200974	122.328598	148.516464	198.263123
Atp6v0e2	1.897506	2.430055	2.982075	2.629356
Atp6v1a	22.917484	22.507627	22.5049	22.869598
Atp6v1b1	0	0	0	0
Atp6v1b2	48.829571	44.561455	39.611439	51.450245
Atp6v1c1	31.013958	28.443619	33.019405	39.616085
Atp6v1c2	0	0	0	0
Atp6v1d	30.049749	33.187561	28.265966	34.758476
Atp6v1e1	59.69495	62.292831	60.806561	78.148285
Atp6v1e2	0	0	0	0
Atp6v1f	225.303711	149.789963	205.036728	278.890045
Atp6v1g1	205.161224	152.300232	167.004425	175.483002
Atp6v1g2	0.232027	2.922253	1.472973	2.441831
Atp6v1g3	0	0	0	0
Atp6v1h	20.584688	20.817602	18.752758	21.818726
Atp7a	5.458711	3.143237	2.989573	2.604389
Atp7b	0	0	0	0
Atp8a1	0.145947	0.678847	1.115409	1.731739
Atp8a2	0	0	0	0
Atp8b1	0.31528	0.491636	0.126282	2.284221
Atp8b2	52.949135	41.80183	32.745228	28.906843
Atp8b3	0	0	0	0.026142
Atp8b4	1.152589	3.058562	3.302765	2.246848
Atp8b5	0.033228	0	0	0.207191
Atp9a	4.075538	2.703826	1.678639	6.624224
Atp9b	7.893136	13.233097	12.027582	11.265936
Atpaf1	2.697477	4.231834	4.406967	4.072
Atpaf2	18.191679	21.573183	19.907125	19.552567
Atpif1	128.902756	144.793579	231.063248	186.981323
Atr	2.158939	2.731048	3.308104	1.940108
Atraid	69.999138	41.532753	73.677918	68.78725
Atrip	3.448773	5.158103	4.823606	3.559478
Atrn	2.444063	4.45445	4.242225	3.569229
Atrnl1	3.694192	7.992124	6.741259	4.731754
Atrx	7.936011	8.972896	8.672832	6.136231
Atxn1	3.980094	3.586439	1.372263	3.600106
Atxn10	128.279037	69.547554	76.97644	57.085419
Atxn1l	7.670561	8.267097	6.7117	7.04078
Atxn2	19.537409	18.54167	13.032492	13.967257
Atxn2l	89.0821	83.422928	55.87846	52.509789
Atxn3	7.510325	10.867144	10.495987	8.257315

Atxn7	2.070829	2.807163	2.687603	2.810002
Atxn7l1	7.400145	6.313076	7.346132	7.346069
Atxn7l1os2	0	0.084861	0	0
Atxn7l2	22.462219	12.007244	12.284668	7.832905
Atxn7l3	24.640607	27.822916	18.069374	21.650781
Atxn7l3b	19.191607	23.284014	20.454899	20.965048
AU015228	0.046973	0.169507	0.16469	0.118604
AU015791	0	0	0	0
AU015836	0	0	0	0
AU016765	0	0	0	0
AU018091	1.269131	0.559811	0.142432	0.673415
AU019823	3.887241	4.985573	5.780021	3.758784
AU019990	0.213528	0	0	0
AU021063	0	0	0	0
AU021092	0.774856	1.693854	2.072081	2.525356
AU022252	3.541076	6.907693	7.325523	9.931924
AU022751	0	0	0	0
AU022754	0	0.071285	0.049639	0
AU022793	2.779243	4.761807	4.283974	10.363007
AU023762	0	0	0	0
AU040320	8.584849	12.820035	12.256283	8.497933
AU040972	0	0	0	0
AU041133	0.300009	0.753645	1.118441	0.747761
Auh	14.044649	14.660287	16.164495	16.700363
Aunip	1.593018	6.257638	6.618825	5.003607
Aup1	91.285918	116.480592	113.189249	97.657124
Aurka	7.425203	26.546156	30.716334	19.009317
Aurkaip1	88.156158	77.895882	92.860535	81.560867
Aurkb	4.16749	17.76749	23.393013	12.195522
Aurkc	0	0	0	0.080728
Auts2	0.154085	0.195326	0	0.162344
AV039307	0	0.594077	0.487837	0.33739
AV051173	0.471256	0	0.157827	0
AV064505	0	0	0	0
AV320801	0	0	0	0
Aven	6.762716	11.833493	11.089098	12.785936
Avil	1.387893	0.097923	0.191361	1.201182
Avl9	4.568869	3.81405	3.439438	3.027055
Avp	0	0	0	0
Avpi1	56.303905	70.608322	101.414955	87.52607
Avpr1a	0.441059	0.920694	0.349295	1.690956
Avpr1b	0	0	0	0
Avpr2	0	0	0	0.127704
AW011738	0.107593	0.278222	0.35447	1.023141
AW046200	0.312636	0.495023	0.429962	0.90726
AW112010	3.004369	5.784188	4.117252	12.596272
AW146154	0.442031	1.059953	1.626765	1.767108
AW209491	3.469615	11.450572	13.082041	8.757879
AW495222	0	0	0	0

AW549542	5.90072	3.222532	1.042258	2.518446
AW549877	3.950168	4.478115	5.895717	4.219976
AW551984	0	0	0	0
AW554918	1.767873	1.793095	2.423533	1.457734
AW822252	0	0	0	0
Awat1	0	0	0	0
Awat2	0	0.726591	1.235834	0.465982
Axin1	24.612755	25.142998	18.836001	18.211644
Axin2	0.310499	0.08968	0.033922	0.998163
Axl	83.643688	145.317022	208.359096	156.267898
AY074887	0.773367	1.142782	0.999887	1.385389
AY358078	0	0	0.350049	0
AY512915	0	0	0	0
AY512931	0	0	0	0
AY702102	0	0	0	0
AY702103	0	0	0	0
AY761184	0	0	0	0
AY761185	0	0	0	0
Aym1	0	0	0	0
Azgp1	0.565687	0.290609	0	15.819822
Azi2	6.533278	7.664313	6.414443	8.894557
Azin1	12.867116	16.798886	16.807361	17.721994
Azin2	8.254025	8.956021	6.645876	8.226332
B020004C17Rik	0	0	0	0
B020004J07Rik	0	0	0	0
B020014A21Rik	0	0	0	0
B020018J22Rik	0	0	0	0
B020031M17Rik	0	0	0	0
B130006D01Rik	0.21575	0.066545	0.052311	0.177941
B130024G19Rik	0.981008	0.647516	1.694445	1.353767
B130034C11Rik	0.346493	0.572558	1.17441	0.749714
B230110G15Rik	0	0	0	0
B230112J18Rik	0	0	0	0
B230118H07Rik	2.952868	5.357735	5.409005	5.849183
B230119M05Rik	0	0	0	0
B230206H07Rik	0.482754	0.19846	0.487174	0.128623
B230208H11Rik	1.919786	2.758394	3.859557	1.571567
B230209E15Rik	0	0	0	0
B230214G05Rik	0	0	0	0
B230216N24Rik	0.715128	0.125746	0.801874	0.717859
B230217C12Rik	0.541248	1.210892	0.827737	0.097633
B230217O12Rik	0.176846	1.050886	0.87933	0.5428
B230219D22Rik	13.541614	20.112524	17.980816	14.73885
B230307C23Rik	2.051047	2.75464	3.181698	4.386219
B230312C02Rik	0	0	0	0
B230319C09Rik	0	0	0	0.431136
B230323A14Rik	0	0	0	0
B230354K17Rik	3.173966	5.481582	6.038183	5.033215
B2m	454.455017	555.760803	561.275696	712.828308

B330016D10Rik	1.313155	0.703729	1.066906	1.53092
B3galnt1	1.012214	3.390063	4.119487	3.612153
B3galnt2	7.175798	13.212337	13.384812	10.175465
B3galt1	0	0.105517	0.017602	0.05528
B3galt2	0	0.120484	0.053781	0.14944
B3galt4	0.879008	1.91813	3.55507	2.862047
B3galt5	0	0	0	0.054662
B3galt6	1.044447	3.272288	2.737394	3.930494
B3gat1	0	0	0	0
B3gat2	0.562232	0.610541	0.303791	2.920103
B3gat3	14.554246	27.602297	28.904287	34.851391
B3glct	3.080657	7.526546	9.385465	5.397275
B3gnt2	39.061489	38.16043	43.057144	47.85824
B3gnt3	3.639003	3.613111	7.725329	3.965649
B3gnt4	0.104471	0.267553	0.12273	0.212649
B3gnt5	0	0.355664	0.050266	0
B3gnt6	0	0.088909	0.124821	0
B3gnt7	1.721952	8.394201	7.360529	12.382574
B3gnt8	1.113354	3.138868	3.39358	4.062722
B3gnt9	1.430283	2.066564	0.805831	4.41858
B3gntl1	6.555987	6.300022	5.704934	5.655779
B430010I23Rik	0	0	0	0
B430212C06Rik	0.750745	0.403745	0.79848	0.630966
B430306N03Rik	0.604326	3.590107	3.817403	7.581621
B430319G15Rik	0.093693	0.308927	0.193143	0.255624
B4galnt1	53.443274	61.943847	58.58628	74.636873
B4galnt2	0.311463	0.716209	0.753886	0.668036
B4galnt3	0	0	0	0
B4galnt4	4.453021	11.496566	8.778683	4.724422
B4galt1	56.623764	65.03849	58.063435	75.817146
B4galt2	15.115131	23.351574	18.135826	14.680227
B4galt3	26.667385	26.812124	22.81341	27.085327
B4galt4	0.568316	0.905243	0.136819	1.235137
B4galt5	10.383013	26.359018	17.691448	32.387177
B4galt6	2.57287	7.425433	5.886184	4.999323
B4galt7	11.313835	24.073477	22.372942	20.977785
B4gat1	11.618974	22.583107	31.212784	21.163324
B630005N14Rik	5.498567	4.806345	5.488701	5.28674
B630019K06Rik	0.466958	1.154176	0.413239	0.762356
B830017H08Rik	0	0	0	0
B930018H19Rik	0	0	0	0
B930025P03Rik	0	0	0	0
B930041F14Rik	2.381932	2.132665	1.927374	4.078749
B930059L03Rik	0.113831	0.160706	0.901887	1.001462
B930092H01Rik	0	0	0	0
B9d1	4.596983	19.664629	27.173962	17.631365
B9d2	7.771416	8.921825	16.445448	13.901594
Baalc	0.69903	1.064696	1.251216	1.347467
Baat	0.15109	0	0.050608	0.402863

Babam1	25.136915	44.23275	37.4972	41.479099
Bace1	9.385756	16.210087	12.21389	13.982248
Bace2	0.159167	0.520896	0.196827	0.52761
Bach1	10.001631	9.370248	7.509018	8.318507
Bach2	0.830443	0.753191	0.980555	0.685933
Bach2os	0.384367	0.62489	1.295776	1.219041
Bad	22.076865	30.919442	36.616155	42.269205
Bag1	124.583403	106.46519	104.031763	136.58408
Bag2	14.798725	29.490244	29.491554	20.025742
Bag3	29.824366	27.69932	17.733259	30.34787
Bag4	4.699985	5.900586	5.09342	4.080576
Bag5	18.349895	15.617353	12.802565	16.787634
Bag6	87.617856	65.815226	47.373557	43.512277
Bahcc1	6.329526	10.809095	8.431583	5.770006
Bahd1	10.600804	8.415112	5.98449	8.340612
Baiap2	59.119894	84.52035	76.168177	56.651658
Baiap2l1	9.463507	4.24299	3.612482	6.705719
Baiap2l2	0	0	0	0
Baiap3	0.053341	0	0	0.024992
Bak1	33.141396	44.814037	42.493248	43.697361
Bambi	0.871655	1.114605	1.206425	1.774927
Bambi-ps1	0.203927	0.452108	0.526867	0.119431
Banf1	156.276105	229.577579	258.028703	216.028163
Banf2	0	0	0	0
Bank1	0	0	0.136488	0.461382
Banp	5.107092	9.590999	5.925717	9.483782
Bap1	19.32196	23.462994	19.808914	17.197817
Bard1	0.680127	3.889068	3.794247	2.199459
Barhl1	0	0.092387	0.053611	0.031596
Barhl2	0	0	0	0
Barx1	1.346689	0	0.861581	1.301604
Barx2	0	0	0	0
Basp1	69.150925	78.473106	58.41169	86.829048
Batf	1.4742	5.366807	7.244649	13.23867
Batf2	0	0.463385	0.321814	1.699104
Batf3	0.347065	0.513277	0.89539	2.246733
Bax	74.7369	90.831848	88.211418	100.429405
Baz1a	13.13383	17.140976	10.884617	13.941867
Baz1b	25.228186	32.168468	28.0574	25.854614
Baz2a	10.321072	11.739264	9.398946	9.389914
Baz2b	5.246824	4.443554	4.775883	4.794508
BB014433	0	0	0	0
BB019430	0	0	0	0
BB031773	0	0	0	0
BB123696	0.168902	0	0	0
BB283400	0	0	0.050469	0.040933
BB287469	0	0	0	0
BB557941	0.223648	0.152368	0.402657	0
Bbc3	13.813812	7.563895	7.443755	7.437256

Bbip1	1.777102	13.612587	6.044072	17.222273
Bbox1	0	0	0	0.427362
Bbs1	0.423443	0.67359	0.583242	0.548803
Bbs10	0.414001	1.668384	1.652876	1.032818
Bbs12	7.214199	13.567308	14.119291	9.758145
Bbs2	3.796295	3.668206	3.637022	2.675943
Bbs4	2.602961	3.252342	5.169293	2.656932
Bbs5	0.812982	2.67134	2.402963	2.442385
Bbs7	0.305184	4.887424	5.343944	2.723285
Bbs9	2.101897	4.626937	5.020432	3.831624
Bbx	6.437547	5.901822	5.678976	3.858192
BC002163	111.324131	129.086776	171.313079	218.212783
BC003331	7.964128	8.886519	7.768118	6.438222
BC003965	7.610801	13.90022	12.614029	17.195772
BC004004	21.695169	25.26717	29.129045	27.705402
BC005537	40.35535	44.879414	38.72197	38.887577
BC005561	1.518858	0.784645	0.927621	1.544685
BC005624	27.100317	27.333572	21.181154	29.531572
BC006965	0	0	0	0.089206
BC016548	0	0	0	0
BC016579	0	0	0	0
BC017158	4.333551	8.527928	7.322009	7.55751
BC017643	13.793391	26.236612	27.162205	32.086003
BC018473	0.075934	0	0	0
BC020402	1.166229	0.934675	2.249312	1.911433
BC021614	0.367068	0	0	10.710925
BC021767	0.561454	0.456249	1.519483	0.707279
BC021785	0	0	0.200672	0
BC021891	0.087059	0	0	0.179901
BC022687	7.043681	5.696317	4.616475	8.390973
BC023829	4.346732	12.862349	11.490681	8.68378
BC024139	0	0	0	0
BC024386	0	0.209603	0	0.465113
BC024978	1.209644	1.790246	1.501854	2.190131
BC025920	1.384371	1.622125	1.096541	0.948348
BC026585	2.021123	2.327825	2.953236	7.231756
BC027072	0	0	0	0
BC027231	8.179264	8.809424	7.264343	7.882785
BC028528	6.019683	13.56394	19.226736	22.640528
BC029214	12.266395	6.731169	8.129194	10.32675
BC029722	16.433289	17.943012	18.771074	20.556587
BC030336	3.543502	6.68965	5.396939	7.784341
BC030499	0	0.076359	0.166517	0.08705
BC030500	0	0	0.11611	0
BC030867	1.419902	5.965943	6.927032	3.962679
BC030870	0	0	0	0
BC031181	31.495378	37.756912	37.476456	57.277164
BC031361	0.350433	0.350591	0.257336	1.387581
BC035044	0	0.09703	0.18827	0.24444

BC037032	0	0	0	0
BC037034	9.018886	20.332947	15.296812	24.566959
BC037156	0	0	0	0
BC037704	0.950472	0.317915	1.29269	0.72576
BC039771	0	0	0	0.055704
BC039966	0	0	0.856672	0
BC042761	0	0	0	0
BC046251	0	0	0.047405	0
BC048403	2.94368	3.852215	3.001376	1.98878
BC048502	0	0	0	0
BC048507	0	0	0	0
BC048546	0	0	0	1.397782
BC048562	0	0	0	0
BC048602	0	0	0	0
BC048609	0	0	0	0
BC048644	0	0	0	0.129872
BC048671	0	0	0	0
BC048679	0	0	0	0
BC049352	0	0.165099	0.117312	0.138281
BC049715	0	0	0	0
BC049730	0	0	0	0
BC049762	0	0	0	0
BC051019	0	0	0	0.089665
BC051142	0.077896	0	0	0.091647
BC051226	1.054796	1.906242	3.977683	3.868633
BC051537	0	0	0	0
BC051628	0	0	0	0
BC051665	0	0	0	0
BC052040	3.603226	3.511889	3.495236	2.225611
BC052688	0	0	0	0.041749
BC053393	0	0	0	0
BC055111	0	0	0	0
BC055324	2.969531	5.470388	6.603328	3.765513
BC055402	0	0	0	0
BC061195	0	0	0	0
BC061212	0	0	0	0
BC061237	0	0	0	0
BC064078	0	0.101021	1.524152	1.611853
BC065397	0.463877	0.596585	0.754618	0.565679
BC068281	1.846592	4.67152	3.474566	2.989558
BC080695	0	0	0	0
BC089491	0	0	0	0
BC089597	0	0	0	3.134288
BC094916	0	0	0	0
Bc1	0	0	0	0
BC100451	2.023694	0.985001	0.984836	1.156953
BC100530	0	0	0	0
BC107364	0	0	0	0
BC117090	0	0	0	0

BC147527	0	0	0	0.209241
Bcam	0.267363	1.118743	0.633918	1.319218
Bcan	0	0	0	0.053062
Bcap29	14.233832	23.208847	34.735813	19.512484
Bcap31	121.555496	132.275635	160.121094	160.183624
Bcar1	43.220653	37.129137	29.64801	31.101975
Bcar3	14.164786	14.180652	13.873461	11.595413
Bcas1	0	0.068655	0.19123	0.842536
Bcas1os2	0	0	0	0
Bcas2	94.675728	90.82708	104.506508	94.873489
Bcas3	4.819063	7.00464	6.164656	4.868481
Bcas3os1	0.096477	0	0	0
Bcas3os2	0	0.128963	0	0.088212
Bcat1	7.012643	16.972675	10.800364	10.608797
Bcat2	10.266161	4.837941	7.19433	9.680005
Bccip	40.923443	60.950256	52.655994	64.637497
Bcdin3d	4.301714	8.180872	10.095025	7.826789
Bche	0.119716	0.306958	0.221743	0.297524
Bckdha	41.436947	31.349937	29.74395	30.515135
Bckdhb	5.19463	8.572942	8.837656	11.311613
Bckdk	20.50205	25.773516	24.106947	21.73316
Bcl10	33.485493	41.801811	45.756733	45.772259
Bcl11a	0	0.124584	0.080459	0.131939
Bcl11b	0.035275	0.026776	0	0
Bcl2	3.503633	3.758094	3.913223	4.550175
Bcl2a1a	3.608795	26.255289	38.689888	64.536491
Bcl2a1b	13.888721	61.884239	108.142509	151.169388
Bcl2a1c	0.184526	2.02227	2.565603	3.081118
Bcl2a1d	5.079372	30.083235	47.191181	71.919754
Bcl2l1	87.12038	41.744777	35.93556	36.5626
Bcl2l10	0	0	0	0
Bcl2l11	19.990962	19.252318	17.780604	13.751859
Bcl2l12	11.329044	17.922207	14.090538	13.283725
Bcl2l13	7.089842	9.696838	7.316929	5.743327
Bcl2l14	0	0	0	0.156525
Bcl2l15	0	0	0.664548	0.086121
Bcl2l2	10.76189	11.691113	9.260099	12.264956
Bcl3	3.728851	6.73435	3.924442	10.358479
Bcl6	12.407703	10.611897	10.023346	11.205216
Bcl6b	0.390532	1.314558	0.608456	1.761743
Bcl7a	5.220556	6.471591	4.909444	3.331738
Bcl7b	18.997948	15.634992	14.924666	19.377966
Bcl7c	58.48933	36.640907	38.283543	37.756424
Bcl9	14.019399	16.21093	10.313452	11.527744
Bcl9l	29.218134	17.49465	10.710986	11.046065
Bclaf1	17.97584	20.249834	16.882488	16.447838
Bco1	3.653646	0	0	1.416086
Bco2	0	0.163309	0.229083	0.662766
Bcor	5.916984	5.484638	5.045983	4.263922

Bcorl1	4.934464	6.654266	4.514575	4.103577
Bcr	8.369268	11.396476	7.79382	7.546547
Bcs1l	5.224013	9.696116	9.846396	8.840512
Bdh1	0	0.204181	0.1782	2.913405
Bdh2	5.237762	2.340167	4.008346	6.192579
Bdkrb1	0.531837	1.715756	0.667844	1.67912
Bdkrb2	0.558861	1.495952	0.56064	0.926052
Bdnf	7.212321	9.115489	6.735599	7.365747
Bdp1	1.921265	3.745966	2.939784	2.286174
Bean1	0.160553	0.224942	0.04337	0.379082
Becn1	32.444202	51.211857	40.272587	47.783184
Becn2	0	0	0	0
Begain	2.353545	3.037812	2.158878	2.239548
Bend3	2.393285	4.400326	3.031329	3.068073
Bend4	0.464046	0.671508	0.722586	0.644867
Bend5	0.802702	0.222373	0	0
Bend6	1.337588	4.270525	4.619679	2.476718
Bend7	0	0	0	0.045382
Best1	0	0.180149	0	0.076573
Best2	0	0	0	0
Best3	0	0	0	0
Bet1	10.680177	13.028482	20.823534	20.47802
Bet1l	15.153191	17.065567	15.039483	25.50016
Bex1	0	0.574863	0	0
Bex2	0	0	0	0
Bex4	0.095053	0	0	0
Bex6	0	0	0	0
Bfar	11.853394	15.565784	18.504609	18.347994
Bfsp1	0.738682	0.159774	0.156585	0.962045
Bfsp2	0	0	0	0
Bglap	0	0	0	0
Bglap2	0	0	0	0
Bglap3	0	0	0	0
Bgn	338.85379	256.332672	60.162556	735.539917
Bhlha15	0.140692	0	0.028187	0.033225
Bhlha9	0.123167	0.140609	0.081594	0.144267
Bhlhb9	1.633147	3.581397	3.679055	1.595668
Bhlhe22	0.093205	0.463746	0	0.287487
Bhlhe23	0	0	0	0.023033
Bhlhe40	177.697952	72.902328	82.910393	55.949802
Bhlhe41	16.790087	9.215621	12.327689	6.402899
Bhmt	0.099379	0.353607	0.091937	3.041333
Bhmt2	0	0	0	0.488786
Bicc1	5.071653	2.683768	0.537541	9.050962
Bicd1	0.850805	1.047792	1.347115	0.443494
Bicd2	20.499263	11.656793	16.41742	24.92594
Bid	7.132378	17.221325	17.087509	15.645602
Bik	0.66843	0.936463	0.574401	2.009871
Bin1	30.153549	60.246121	51.851228	46.416007

Bin2	3.159977	10.046491	14.579365	14.473854
Bin3	17.305037	19.985025	26.503334	23.977346
Birc2	5.77493	6.044588	6.822946	6.771829
Birc3	4.41504	3.116608	4.25688	5.292475
Birc5	9.65949	60.439748	103.438062	53.81396
Birc6	6.255009	6.353179	5.581996	5.328008
Birc7	0	0	0	0
Bivm	4.069983	6.310815	7.665783	5.109612
Blcap	20.56959	24.976835	21.057348	25.988894
Blk	0	0.085715	0	0
Blm	2.045132	2.903761	3.436499	1.83229
Blmh	13.489399	22.810791	20.53311	20.784189
Blnk	0	2.867974	1.82471	2.796339
Bloc1s1	52.25473	99.378044	131.17247	136.147812
Bloc1s2	53.681664	52.983723	90.239334	78.557556
Bloc1s3	4.277403	5.668846	5.727338	5.831338
Bloc1s4	16.223871	10.702284	9.372787	15.70534
Bloc1s5	4.831588	8.113681	10.678433	8.588704
Bloc1s6	9.950169	14.105535	12.418974	9.095557
Bloodlinc	0	0	0	0
Blvra	20.288286	27.148949	46.80975	38.048962
Blvrb	69.92294	31.535823	34.37086	70.723805
Blzf1	4.425885	4.702897	3.609759	4.762232
Bmf	3.673049	1.810467	1.755827	3.804241
Bmi1	10.922232	13.649468	11.421527	10.3636
Bmp1	47.350876	100.119454	74.849484	90.793201
Bmp10	0	0	0	0
Bmp15	0	0	0	0.094749
Bmp2	9.158028	10.283176	4.928601	9.877889
Bmp2k	3.343005	5.773813	4.284718	4.313207
Bmp3	0	0	0	0
Bmp4	3.637949	2.502321	4.078461	3.205885
Bmp5	0	0.083918	0	1.398121
Bmp6	0.538707	0	0.061297	0
Bmp7	27.320026	20.756594	18.665468	19.646685
Bmp8a	0	0	0	0
Bmp8b	0.067421	0	0	0.157941
Bmper	1.990617	1.666087	0.629905	4.560604
Bmpr1a	9.748941	13.256376	10.850989	8.942686
Bmpr1b	0	0.134317	0	0.043405
Bmpr2	6.654005	7.416987	6.001814	6.450468
Bms1	28.99305	26.333696	21.293259	17.000774
Bmx	0.247579	0.223651	0.438506	0.615523
Bmyc	5.896221	9.309787	7.898989	14.084073
Bnc1	0.413607	0	0	0
Bnc2	0.20693	0.393005	0.120954	0.295988
Bnip1	22.232546	14.360362	20.97838	17.988256
Bnip2	18.145485	20.698058	17.766744	19.528913
Bnip3	253.118927	69.64473	156.844116	123.167381

Bnip3l	53.05381	34.206917	54.6796	45.28825
Bnipl	0	0	0	0
Boc	0.775469	0.874767	0.122178	1.617042
Bod1	36.33926	39.363972	46.729153	45.325115
Bod1l	3.886433	4.878065	3.920966	3.650703
Bok	67.969055	52.206997	46.13028	66.19693
Bola1	19.486326	23.334101	34.184227	25.282152
Bola2	251.703873	224.437088	330.96936	379.43222
Bola3	34.655514	65.350517	72.383621	101.139198
Boll	0	0	0	0
Bop1	17.284319	46.854595	32.721821	28.0319
Bora	4.948888	8.81761	11.610208	6.226342
Borg	0	0	0	0
Bpgm	9.775688	20.538034	13.795012	18.683884
Bphl	5.461752	14.553305	15.247452	11.611222
Bpi	0	0	0	0
Bpifa1	0	0	0	0
Bpifa2	0	0	0	0
Bpifa3	0	0	0	0
Bpifa5	0	0	0	0
Bpifa6	0	0	0	0
Bpifb1	0	0	0	0
Bpifb2	0	0	0	0
Bpifb3	0	0	0	0
Bpifb4	0.795366	1.062158	2.249983	2.105828
Bpifb5	0	0	0	0
Bpifb6	0	0	0	0
Bpifb9a	0	0	0	0
Bpifb9b	0	0	0	0
Bpifc	0	0	0	0
Bpnt1	8.064199	19.778852	13.054065	15.949582
Bptf	10.500101	11.470355	7.848247	7.840531
Braf	3.475181	3.308221	2.794528	3.145773
Brap	15.088679	16.770659	12.39589	16.234916
Brat1	5.542147	6.717359	5.575882	6.446181
Brca1	0.861583	3.853142	4.632464	2.391347
Brca2	0.596152	1.497495	2.171621	0.757006
Brcc3	2.811837	3.602347	10.581258	6.634911
Brd1	14.301565	11.172452	7.094324	10.435921
Brd2	55.915273	58.360209	34.7427	42.268784
Brd3	21.818766	17.186549	9.53014	18.563856
Brd4	49.362143	25.031207	20.199615	24.289081
Brd7	11.010923	26.896883	22.169901	26.490606
Brd8	12.840125	15.373438	15.18506	11.921662
Brd9	19.88076	15.615845	11.996508	14.190847
Brdt	0.073086	0.083957	0.343462	0.491389
Bre	18.457249	17.700119	17.779114	14.649248
Brf1	20.701054	22.384399	20.407242	22.550503
Brf2	8.819187	8.234196	6.40203	7.739669

Bri3	208.852223	104.427096	146.730482	162.849392
Bri3bp	17.323397	15.941688	17.545252	13.009522
Bricd5	0	0	0.186645	0
Brinp1	0	0.050601	0	0
Brinp2	0	0	0	0
Brinp3	0	0.1769	0.047379	0
Brip1	0.149909	1.545054	1.725346	1.007563
Brip1os	7.962294	19.597763	19.527685	12.540636
Brix1	44.455364	40.913696	38.394276	37.064224
Brk1	159.037994	148.927841	210.001297	223.676514
Brms1	24.244755	26.893147	20.681074	24.117908
Brms1l	8.44172	16.897116	14.304178	12.50623
Brox	11.208795	16.842243	14.756018	15.990126
Brpf1	15.92908	14.973939	11.958814	12.52181
Brpf3	9.926056	10.095346	6.874096	7.554662
Brs3	0	0	0	0
Brsk1	6.175299	9.417057	6.032629	5.996359
Brsk2	0	0	0.005537	0.012881
Brwd1	9.061192	11.798154	10.902895	11.107318
Brwd3	0.901125	0.840839	0.796104	0.755267
Bscl2	17.067686	13.676727	15.864278	21.321955
Bsdc1	16.38047	14.279847	10.504428	14.38182
Bsg	956.579521	472.300621	622.268538	717.232766
Bsn	0.202981	0.151608	0.194183	0.108339
Bsnd	0	0	0	0
Bsph1	0	0	0	0
Bsph2	0	0	0	0
Bspry	0.195099	0	0.258472	0.34322
Bst1	8.072918	8.308976	10.480189	16.391439
Bst2	20.000223	27.167732	26.158594	57.678585
Bsx	0	0	0	0
Btaf1	4.635849	7.403038	4.596983	4.787864
Btbd1	15.132876	18.481581	19.492281	18.459745
Btbd10	7.918273	7.460073	6.597187	8.904202
Btbd11	1.132539	4.772783	4.532568	2.609009
Btbd16	0	0	0	0
Btbd17	0	0	0.065366	0.120196
Btbd18	0.280995	0.036161	0.097924	0.156321
Btbd19	3.135324	4.015236	3.572361	3.862649
Btbd2	10.576798	9.906972	9.665891	9.474143
Btbd3	6.306345	7.747231	5.931416	4.95965
Btbd6	6.035684	7.230571	7.672226	7.317145
Btbd7	10.727761	11.34111	8.10098	6.481289
Btbd8	0	0	0	0
Btbd9	3.131711	5.916008	4.249911	3.908605
Btc	1.26424	4.190165	1.706913	5.455318
Btd	8.920093	12.475497	14.77187	14.014083
Btf3	580.51619	383.176697	603.243225	468.926773
Btf3l4	8.189794	10.29178	13.881062	11.18688

Btg1	62.575214	48.035831	39.103657	47.16169
Btg1-ps1	0	0	0	0
Btg1-ps2	0	0	0	0
Btg2	8.276068	11.8219	6.808352	10.825213
Btg3	33.479281	26.473901	28.157988	27.62978
Btg4	0	0	0	0
Btk	1.312583	5.205941	6.764487	9.285099
Btla	0.030636	0.145146	0.045462	0.132295
Btn1a1	1.911074	0.648574	2.059789	0.590533
Btn2a2	0.597818	0.520202	0.824714	0.349726
Btnl1	0	0	0	0
Btnl10	0	0	0	0
Btnl2	0	0.228229	0.038425	0
Btnl4	0	0	0	0
Btnl5-ps	0.095591	0	0	0
Btnl6	0	0	0	0
Btnl9	0.140836	0.172265	0	0.164963
Btrc	2.25459	3.133406	2.918815	2.361038
Bub1	1.059868	5.977275	9.950163	4.630442
Bub1b	4.489635	22.087347	22.543598	13.305403
Bub3	39.710701	49.030365	42.602444	38.433811
Bud13	5.850146	8.290016	6.943661	5.738437
Bud31	62.148411	96.561974	87.434868	128.682205
Bves	0.158905	0.42068	0	0
Bvht	19.123571	14.620173	16.945959	20.268482
Bysl	4.715232	9.891387	5.080713	7.054148
Bzrap1	0.052053	0.108522	0.126984	0.244851
Bzw1	92.280106	113.276794	109.952858	100.772629
Bzw2	91.38414	106.304993	101.870834	78.66674
C030006K11Rik	4.627846	7.045091	3.067607	4.892029
C030007H22Rik	0	0	0	0
C030013C21Rik	0.496996	0	0	1.325856
C030013G03Rik	0	0	0	0
C030016D13Rik	0.019096	0.097447	0.284382	0.417822
C030018K13Rik	0	0	0	0
C030023E24Rik	0	0	0	0
C030029H02Rik	0	0	0	0
C030034I22Rik	0.622465	0.87577	0.854768	0.940192
C030034L19Rik	0	0	0	0.055297
C030037D09Rik	0.588965	0.241073	0	0.751022
C030039L03Rik	0.805344	0.524994	0.995863	1.073046
C130021I20Rik	0	0	0	0
C130026I21Rik	0.353972	1.040104	1.954447	2.205735
C130026L21Rik	0	0	0	0
C130030K03Rik	0	0	0	0
C130036L24Rik	1.240351	1.183382	0.799193	0.923578
C130046K22Rik	1.109458	1.963028	1.866601	1.231188
C130050O18Rik	2.158037	5.150681	6.988443	8.306038
C130060C02Rik	0	0	0.08512	0

C130060K24Rik	0	0	0	0
C130071C03Rik	0	0	0	0
C130074G19Rik	3.71885	1.824454	2.703784	5.947151
C130079G13Rik	0	0	0	0
C130080G10Rik	0	0	0	0
C130083M11Rik	0	0.266332	0.07133	0.083706
C1d	18.558323	18.745205	28.019825	29.750292
C1galt1	3.098196	4.274417	3.413781	2.93374
C1galt1c1	4.301491	11.051575	12.911138	13.716248
C1qa	54.776756	293.389893	324.681702	459.019287
C1qb	31.910652	215.441406	253.252563	316.676025
C1qbp	192.000641	176.522186	160.034439	130.719269
C1qc	46.549896	249.412186	278.417847	351.006012
C1ql1	0	0	0	0
C1ql2	0	0	0	0
C1ql3	0	0	0	0
C1ql4	0	0	0	0
C1qtnf1	15.276027	8.393172	11.189562	16.057771
C1qtnf2	0.474127	1.753211	0.283008	2.9608
C1qtnf3	0	9.737449	0.09549	0.089264
C1qtnf4	0.705792	0	0	0.255135
C1qtnf5	10.260369	5.564632	0.644271	17.478324
C1qtnf6	14.652456	22.033002	16.416239	51.144282
C1qtnf7	0.393759	0.38917	0	2.159928
C1qtnf9	0	0.356435	0.490607	0
C1ra	12.528247	14.61563	14.745446	18.928593
C1rb	2.782376	5.38717	5.883254	4.749798
C1rl	2.18203	2.07624	3.600378	4.711086
C1s1	10.442755	10.180617	3.605542	17.723566
C1s2	0.86363	1.388792	0.196573	2.81389
C2	2.496347	1.272802	0.183509	3.388488
C230004F18Rik	0	0	0	0
C230014O12Rik	0	0	0	0
C230024C17Rik	0.0297	0.092698	0.037157	0
C230035I16Rik	2.0424	1.834256	2.770146	0
C230037L18Rik	0	0.485271	0	0.199691
C230072F16Rik	0	0	0	0
C230079O03Rik	0	0	0	0
C230091D08Rik	1.220568	2.12111	1.494927	0.914354
C2cd2	1.387345	1.881899	1.374004	1.910163
C2cd2l	5.628031	7.097771	5.933938	8.76221
C2cd3	0.995813	3.49366	3.133292	2.125218
C2cd4a	0	0	0	0
C2cd4b	0	0	0	0
C2cd4c	0	0.069174	0	0.017206
C2cd4d	0	0	0	0
C2cd5	2.500144	6.985937	7.887845	4.378782
C3	27.377874	19.023396	4.578272	84.795288
C330004P14Rik	0	0	0	0

C330006A16Rik	16.098366	21.232779	18.250022	18.227497
C330007P06Rik	4.797609	8.414095	9.117971	7.181795
C330011F03Rik	0	0	0	0
C330013E15Rik	0.903038	0.289946	0	0.801236
C330013J21Rik	0.451059	0.697298	0.614494	0.292859
C330018D20Rik	2.309927	4.11124	7.321447	8.519113
C330021F23Rik	0	0	0	0
C330022C24Rik	0	0	0	0
C330024C12Rik	0	0	0	0
C330024D21Rik	0	0	0	0
C330027C09Rik	2.427083	9.055182	12.596935	6.542476
C3ar1	3.684615	13.913834	13.215914	12.751618
C430002N11Rik	0.588579	0.706809	0.057977	4.014182
C430049B03Rik	0.409446	1.353328	1.70863	0.513786
C4a	1.831035	0.864406	0.592384	2.444372
C4b	18.221712	4.656234	6.384662	27.296816
C4bp	0	0.18026	0	7.856449
C4bp-ps1	0	0	0	0
C530005A16Rik	0.901724	0.410667	0.780683	0.462748
C530008M17Rik	0	0.148899	0.014409	0.025476
C530044C16Rik	0	0	0	0
C5ar1	9.08051	21.37566	9.903657	26.099077
C5ar2	1.06087	2.178596	1.38177	3.191559
C6	0	0	0	0.304552
C630028M04Rik	0	0	0	0
C630031E19Rik	0	0	0	0
C630043F03Rik	0.294337	0.540032	0.479896	0.558183
C7	0	0.079793	0	0
C730002L08Rik	0	0	0	0
C730027H18Rik	0	0	0	0.370953
C730036E19Rik	0	0	0	0
C77080	18.311321	24.533295	12.644484	9.818387
C77370	0	0	0	0
C86187	0	0	0	0
C87198	0	0	0	0
C87414	0	0	0	0
C87436	4.161467	4.936837	5.026149	4.582947
C87499	0	0	0	0
C87977	0	0	0	0
C8a	0.081613	0.202201	0	4.049246
C8b	0	0	0	1.20943
C8g	1.090139	1.595741	1.835771	5.123877
C9	0.083759	0	0	9.212914
C920006O11Rik	0.987006	0.291655	0.73823	0.634016
C920009B18Rik	0.234527	0.843939	0.790341	0.744684
C920021L13Rik	0.330618	0.670061	0.298323	0.874176
C920025E04Rik	6.256097	4.045137	4.817384	8.162783
Caap1	3.071284	4.207205	4.245987	5.321601
Cab39	23.791136	24.570826	16.065245	21.43845

Cab39l	3.971731	8.975201	11.169046	8.996428
Cabin1	7.844413	10.456369	8.140568	7.429158
Cables1	0.592931	1.526772	1.160114	1.662329
Cables2	7.739314	7.407538	5.799889	7.354782
Cabp1	1.160812	0.590627	0	0.938449
Cabp2	0	0	0	0
Cabp4	0.138323	0.368526	0.472832	0.362922
Cabp5	0	0	0	0
Cabp7	0	0	0	0
Cabs1	0	0	0	0
Cabyr	0.712647	0.522238	0.454467	0.32961
Cacfd1	12.313534	13.103801	9.816158	16.571205
Cachd1	0.545346	1.017266	0.257598	0.303797
Cacna1a	1.529623	2.108598	3.611825	1.442721
Cacna1b	0	0	0.02016	0
Cacna1c	2.743333	2.561074	3.54495	3.436457
Cacna1d	0.530818	0.873115	1.0884	0.924179
Cacna1e	0	0	0	0
Cacna1f	0	0	0.070681	0.017708
Cacna1g	0.366318	0.248873	0.137492	1.065203
Cacna1h	0.066169	0	0	0.056435
Cacna1i	0	0	0	0.017226
Cacna1s	0	2.115258	0.023632	0
Cacna2d1	1.454301	1.884927	1.225707	1.335984
Cacna2d2	0	0.01532	0	0
Cacna2d3	0	0	0	0
Cacna2d4	0	0	0	0
Cacnb1	3.55788	5.027527	1.767038	2.415733
Cacnb2	1.122758	1.510874	1.752327	1.222497
Cacnb3	33.928533	19.514721	13.323379	19.620549
Cacnb4	0	0.036362	0.06072	0.18001
Cacng1	0	3.593223	0	0.287563
Cacng2	0.051036	0	0	0
Cacng3	0	0	0	0
Cacng4	0	0	0	0
Cacng5	0	0	0	0
Cacng6	0	0	0	0
Cacng7	1.419727	1.494638	0	1.368976
Cacng8	0	0.184473	0	0.292355
Cactin	15.519216	12.859896	9.650723	10.8214
Cacul1	3.62046	7.037858	7.37295	5.983014
Cacybp	43.749809	64.300148	74.381294	65.307884
Cad	9.784848	21.624525	17.823833	9.161778
Cadm1	11.12273	14.634839	12.692659	14.249977
Cadm2	0	0	0	0
Cadm3	0.863912	0.185534	0.094403	1.491117
Cadm4	8.425361	0.901187	4.303381	8.696891
Cadps	0	0	0	0
Cadps2	0	0	0	0.011684

Cage1	0.397867	0.352677	0.520732	0.283244
Cahm	0.770392	0.433887	0.834789	0.976406
Calb1	0	0	0	0
Calb2	1.557384	0	0	2.046997
Calca	0.52053	0	1.378569	0
Calcb	0.272749	0	0.309931	0.663043
Calcoco1	40.448776	23.960863	18.181576	18.323792
Calcoco2	0	0	0	0.045294
Calcr	0	0	0	0
Calcrl	0.271348	0.758152	0.716585	0.982586
Cald1	122.702225	120.69825	71.731476	122.066269
Calhm1	0	0	0	0
Calhm2	0.217661	0.803435	0.881178	2.787817
Calm1	72.14772	183.17334	175.043732	167.05864
Calm2	223.445511	268.327881	279.67395	274.073944
Calm3	57.910309	107.811584	87.279198	104.008125
Calm4	0	0	0	0
Calm5	0	0	0	0
Calml3	0	0	0	0
Calml4	2.63918	2.43054	5.316822	6.417464
Caln1	0	0	0	0
Calr	384.349152	543.81366	485.898712	510.185852
Calr3	0.669822	0.935975	2.47726	2.67239
Calr4	0.35956	0.172516	0.768971	0.521156
Calu	96.808187	303.658088	250.468488	243.63145
Caly	0.273203	0	0	0
Camk1	50.658607	69.908325	70.290573	88.589485
Camk1d	2.163135	2.629144	2.205283	3.557048
Camk1g	0	0	0	0
Camk2a	0.895971	1.914579	1.18328	1.938759
Camk2b	0.234796	1.809436	0.84313	0.67686
Camk2d	34.098554	20.607621	20.635261	12.379936
Camk2g	12.515626	15.864858	13.388858	14.424976
Camk2n1	15.975839	11.049108	11.001384	23.557905
Camk2n2	1.673968	2.360392	1.403251	4.571024
Camk4	0	0.075698	0.107287	0.061004
Camkk1	0.740943	1.255693	1.059229	1.93179
Camkk2	6.751491	14.736154	13.044605	11.141054
Camkmt	0.569631	1.93146	1.733768	1.478769
Camkv	0	0	0	0
Caml	21.626631	24.159443	26.097101	26.324686
Camp	0	0	4.828274	1.397949
Camsap1	6.227189	6.79713	5.433868	5.990957
Camsap2	11.018796	10.133681	6.378126	7.363209
Camsap3	0	0	0	0.565121
Camta1	4.854673	3.592606	6.212503	9.328845
Camta2	10.110804	12.233663	9.160334	11.798653
Cand1	13.148517	13.71057	10.938855	10.36111
Cand2	0.829562	1.851741	1.859203	0.993555

Cant1	18.978279	26.949437	24.191011	27.280054
Canx	92.149585	141.103076	140.584237	122.119683
Cap1	92.345464	127.222366	89.41978	104.095733
Cap2	0	1.253765	0	0
Capg	217.594895	293.845323	249.568646	267.791518
Capn1	35.78866	42.451521	34.941034	33.493146
Capn10	4.402121	5.318127	4.20772	4.713136
Capn11	0	0	0	0
Capn12	0.344498	0	0.215299	0.256281
Capn13	0	0	0	0
Capn15	4.938208	9.616899	6.076752	5.852677
Capn2	49.845329	80.492828	58.870541	65.335075
Capn3	0.046539	0.449572	0	0.031817
Capn5	5.624495	3.71892	2.849267	5.126832
Capn6	0.027894	0.340019	0.041578	0.162711
Capn7	6.014744	8.558523	8.282813	8.954148
Capn8	0	0	0	0
Capn9	0	0	0	0
Capns1	208.167496	168.979416	156.189072	182.835373
Capns2	0	0.110914	0	0.396486
Caprin1	42.596384	58.971837	46.877155	38.045506
Caprin2	8.068178	4.914122	5.647203	4.829747
Caps2	0	0	0	0
Capsl	0	0	0	0
Capza1	23.78614	42.760273	47.660374	35.813839
Capza2	61.624512	71.909927	87.852097	77.679848
Capza3	0	0	0	0
Capzb	196.481444	172.17302	150.068951	170.361994
Car1	0	0	0	0
Car10	0	0	0	0.034798
Car11	2.929202	0.216412	0	3.208335
Car12	9.314018	1.302247	1.661536	1.343207
Car13	6.030709	7.795655	12.004095	7.766544
Car14	0	0	0	0
Car15	0	1.127388	0.618521	1.14503
Car2	0.468781	0.472485	0.598085	1.40601
Car3	0.479229	47.776119	0	1.016359
Car4	15.659627	28.373344	7.136276	151.81958
Car5a	0	0	0	0.228596
Car5b	3.687325	6.556845	5.729698	4.262343
Car6	3.616691	1.721533	3.3389	5.337981
Car7	0	0.152857	0.100697	0.206323
Car8	0.051269	0	0	0.559672
Car9	9.289339	1.705586	5.666515	2.104545
Card10	4.984567	7.145622	6.116152	3.547214
Card11	0.115851	0.262772	0.167333	1.650583
Card14	0	0.085043	0	0
Card6	0.883102	2.202099	2.054151	1.554671
Card9	7.299322	12.897024	14.379062	19.742893

Carf	0.776019	1.519859	1.849016	1.201649
Carhsp1	45.576164	47.805717	33.686703	41.546299
Carkd	38.570557	55.074669	55.395065	57.672446
Carlr	0	0	0	0.022577
Carm1	30.987478	41.914227	29.219885	28.648896
Carns1	0.361832	0.69863	0.295021	0.452098
Cars	45.302672	42.458859	34.653908	29.865551
Cars2	8.483083	9.858773	11.027681	10.22148
Cartpt	0	0	0	0
Casc1	0	0	0	0.156065
Casc3	27.999302	24.468386	19.699593	16.983639
Casc4	1.412173	3.175243	2.78713	2.228366
Casc5	0.044656	1.446774	2.244399	0.718683
Casd1	0.539297	4.318862	3.816765	2.864195
Cask	4.90806	4.585638	4.187048	3.965655
Caskin1	0.077908	0.030146	0.063274	0.176659
Caskin2	4.988227	7.442983	4.311734	4.099808
Casp1	1.653005	3.581338	5.839154	6.717145
Casp12	5.993679	4.97332	5.868441	4.028563
Casp14	0	0	0	0
Casp2	8.072186	13.032743	11.867898	8.449641
Casp3	13.823211	47.462852	52.823937	51.049813
Casp4	6.058225	4.19368	5.230621	7.042428
Casp6	27.150091	25.107885	26.444805	23.328035
Casp7	1.072232	3.403512	3.598349	4.827305
Casp8	12.539996	32.528648	30.424414	20.266974
Casp8ap2	0.800072	2.529765	1.749597	2.026341
Casp9	3.565946	4.434271	2.599119	5.831069
Casq1	0.343759	15.464558	0.195675	0.486482
Casq2	0	0.860503	0.156435	0
Casr	0	0	0	0
Cass4	0	0.982814	0.71595	0.556464
Cast	40.358021	38.142275	26.673326	27.750973
Casz1	0.44183	0.310489	0.141845	0.596759
Cat	13.371405	25.15414	18.22237	21.353386
Catip	0	0.363233	0.28671	0.674824
Catsper1	0	0	0	0
Catsper2	0.881044	0.472107	0.844052	0.531566
Catsper3	0	0	0	0
Catsper4	0	0	0	0
Catsperb	0	0	0	0
Catsperd	0	0	0.038395	0.090516
Catsperg1	0.254839	0.195402	0.111158	0.140198
Catsperg2	0	0	0.037001	0
Cav1	25.63	31.464873	33.009491	33.830299
Cav2	17.217401	25.084983	34.467029	22.873213
Cav3	0.256409	2.662833	0	1.441468
Cbfa2t2	8.262561	7.10739	4.836458	5.431481
Cbfa2t3	0.189799	0.724832	0.673351	1.153259

Cbfb	24.929852	43.148919	32.554136	29.288043
Cbl	2.695786	5.927088	4.248206	4.23369
Cblb	18.858303	7.388729	5.672337	7.786846
Cblc	0.407598	0	0	0.961102
Cbll1	5.535633	4.84693	3.225094	1.757783
Cbln1	0	0	0	0
Cbln2	0	0	0	0
Cbln3	0.220334	0.045816	0	0.036868
Cbln4	0	0	0	0
Cbr1	7.869381	6.752761	10.395597	14.60014
Cbr2	0.695344	15.013123	21.261919	5.823281
Cbr3	1.984432	1.63171	2.234659	3.655346
Cbr4	4.657648	6.862274	6.479605	7.383735
Cbs	0.157855	0.200476	0.115154	1.241721
Cbwd1	3.403136	5.051315	5.993442	6.55695
Cbx1	32.323349	58.583847	55.218353	50.326885
Cbx2	7.859769	7.989625	5.862322	6.187149
Cbx3	37.565567	41.05735	38.90992	33.293201
Cbx4	9.343556	7.042676	6.668917	7.763084
Cbx5	13.86171	20.097022	22.116638	16.289848
Cbx6	27.866016	34.381176	27.328135	26.512875
Cbx7	9.815437	8.450075	9.291891	5.854078
Cbx8	5.776697	6.440164	8.403278	9.867501
Cby1	12.79227	21.431036	24.431396	23.165455
Cc2d1a	13.874486	14.326346	9.954396	10.148164
Cc2d1b	13.169773	13.103363	11.335907	10.24767
Cc2d2a	2.328586	3.068679	3.058507	1.480785
Ccar1	22.834976	21.043856	16.15369	17.266268
Ccar2	12.377129	16.604586	16.062086	9.842708
Ccbe1	1.315806	0.435372	0.177346	0.211201
Ccbl1	6.401755	5.465057	3.820405	3.71268
Ccbl2	0.608537	2.751884	3.808646	2.913288
Ccdc101	9.620991	15.076421	9.491367	11.214405
Ccdc102a	20.314634	23.227448	15.600081	18.533216
Ccdc103	0	0.141429	0.293992	0.095019
Ccdc105	0	0	0	0
Ccdc106	0.389707	0.329298	0.329262	0.73656
Ccdc107	38.553238	35.087688	51.491386	51.716072
Ccdc108	0	0	0	0
Ccdc109b	20.290144	17.099865	27.745869	26.755415
Ccdc110	0	0	0	0
Ccdc112	0.959828	2.609249	1.536016	1.841803
Ccdc113	0	0	0	0
Ccdc114	0.86139	2.239186	1.082459	1.225701
Ccdc115	19.93502	16.939011	23.910055	27.229864
Ccdc116	0.223641	0.480524	0.748188	0.206805
Ccdc117	8.569381	7.715282	7.500124	10.343918
Ccdc12	50.672417	48.125271	38.234684	60.595993
Ccdc120	1.884115	3.309835	2.880667	1.959833

Ccdc121	0	0	0	0
Ccdc122	3.015674	3.88663	6.338966	3.958592
Ccdc124	64.742813	59.92569	50.028103	62.994301
Ccdc125	0.912732	0.711565	1.50016	2.126294
Ccdc126	1.882666	2.144794	2.425881	3.231274
Ccdc127	11.301093	16.219988	10.014432	14.991088
Ccdc129	0	0	0	0
Ccdc13	0	0	0	0
Ccdc130	11.577865	8.585612	5.677754	8.336199
Ccdc132	6.050542	7.802419	10.20121	5.98723
Ccdc134	4.708091	7.649266	8.197177	6.999257
Ccdc136	2.967667	2.425492	2.131466	2.421568
Ccdc137	5.555994	13.75725	13.260132	13.323806
Ccdc138	0	0.37733	0.238288	0.305045
Ccdc14	3.628211	3.889394	3.785783	2.525294
Ccdc141	0.265479	0.140692	0.270272	0.422399
Ccdc142	1.833487	4.186103	2.637382	2.705509
Ccdc144b	0	0	0	0
Ccdc146	0	0	0	0.039202
Ccdc148	0	0	0.081168	0.045074
Ccdc149	0.192819	0.242694	0.074226	0.262247
Ccdc15	0.337015	0.568624	0.480917	0.475763
Ccdc150	0	0	0	0
Ccdc151	0	0	0	0.052767
Ccdc152	0	0	0	0
Ccdc153	0	0	0	0
Ccdc154	0	0	0	0
Ccdc155	0	0	0	0
Ccdc157	2.052946	3.534779	2.946275	2.435706
Ccdc158	0	0	0	0
Ccdc159	1.273975	1.922153	1.501992	3.214032
Ccdc160	0	0	0	0
Ccdc162	0.016772	0	0	0.084274
Ccdc163	8.425122	11.386113	10.69448	7.885094
Ccdc166	0.388934	0.612353	0.365812	0.832579
Ccdc167	2.679219	5.276382	4.352032	6.524768
Ccdc169	0	0	0	0.035081
Ccdc17	0.919043	0.565745	1.444722	0.910882
Ccdc170	0	0	0	0
Ccdc171	0.348686	0.644356	0.669027	0.201644
Ccdc172	0	0	0	0
Ccdc173	0.50532	0.749892	0.903478	0.894793
Ccdc174	15.654268	9.05454	9.121554	9.36005
Ccdc175	0	0	0	0
Ccdc176	0.50654	0.290824	0.579145	0.476008
Ccdc177	0	0	0	0
Ccdc178	0	0	0	0
Ccdc18	0	0.707906	1.921994	0.660942
Ccdc180	0.165668	0	0.087998	0.148355

Ccdc181	4.305498	6.369692	6.804513	4.951642
Ccdc183	0.247107	0.141032	0.06022	0.180552
Ccdc184	0.042554	0	0.021143	0.024922
Ccdc185	0	0	0	0.028245
Ccdc186	3.973734	3.644856	2.234617	2.448094
Ccdc22	14.64601	28.312363	25.384014	23.745607
Ccdc23	24.138897	39.159868	41.214926	55.720854
Ccdc24	11.303128	7.499648	5.212584	3.721493
Ccdc25	5.217838	9.81356	7.770198	11.939842
Ccdc27	0	0	0	0
Ccdc28a	4.64149	7.546459	10.240272	9.005198
Ccdc28b	5.105654	5.198539	6.900108	8.836402
Ccdc3	0.16779	0	0	1.567802
Ccdc30	0	0	0	0.033117
Ccdc32	9.148355	10.673001	11.454647	11.24571
Ccdc33	0	0	0	0
Ccdc34	12.487941	13.811779	17.273401	16.287493
Ccdc34os	0	0	0	0
Ccdc36	0	0	0.047879	0.036148
Ccdc37	0.48791	0.290356	0	0.364938
Ccdc38	0.1858	0.261317	0.153808	0.269377
Ccdc39	0	0.392688	0.965006	0.32353
Ccdc40	0	0	0.03956	0.04663
Ccdc42	0	0	0	0
Ccdc42b	0	0	0	0
Ccdc43	15.468981	17.741262	16.197933	15.821395
Ccdc47	31.486816	35.396816	35.79525	30.137056
Ccdc50	11.070357	17.779378	13.369625	11.852207
Ccdc51	2.422374	4.687172	4.778874	3.646777
Ccdc53	42.839025	40.389426	51.737465	40.780648
Ccdc54	0	0	0	0
Ccdc55	24.960085	16.460455	11.372606	15.862937
Ccdc57	6.524975	3.437575	2.389463	2.110014
Ccdc58	33.764598	41.350709	72.85209	51.389651
Ccdc59	26.832811	21.881931	19.457979	17.70698
Ccdc6	22.521868	19.625502	13.483319	14.416847
Ccdc60	0	0	0	0
Ccdc61	8.887209	9.708528	8.543416	8.013249
Ccdc62	0.865577	0.473728	0.767603	0.625746
Ccdc63	0	0	0	0
Ccdc64	0.36691	0.294395	0.125129	0.291424
Ccdc64b	0	0	0	0.155759
Ccdc65	0	0	0.104938	0.54384
Ccdc66	3.354445	6.290585	5.056848	3.252898
Ccdc67	0	0	0	0
Ccdc68	1.22656	0	0	1.603137
Ccdc69	0	0.72735	1.217564	1.770341
Ccdc70	0	0	0	0
Ccdc71	10.481421	13.455996	9.247682	10.480665

Ccdc71l	3.08353	3.876015	3.214209	6.587462
Ccdc73	0.021129	0.213059	0.079967	0.203333
Ccdc74a	1.741352	1.760986	2.042624	2.386106
Ccdc77	3.548921	4.859987	8.363054	5.340165
Ccdc78	0.166271	0.37935	0.344322	0.140157
Ccdc79	0	0	0	0
Ccdc7a	0	0	0	0
Ccdc7b	0	0	0	0
Ccdc8	1.294156	0.85215	0.3018	0.922827
Ccdc80	21.974272	28.396057	17.29133	57.68235
Ccdc81	0	0	0	0
Ccdc82	4.008873	2.604256	3.378972	3.772544
Ccdc83	0	0	0	0
Ccdc84	6.902391	6.770898	8.918072	7.039628
Ccdc85a	0	0	0	0
Ccdc85b	39.235163	29.365087	29.135799	12.627248
Ccdc85c	5.750463	8.750886	8.439757	4.673481
Ccdc86	5.369094	12.522237	7.594903	10.863529
Ccdc87	0	0	0	0
Ccdc88a	2.922172	3.718349	4.395082	3.742588
Ccdc88b	3.934447	6.937977	7.005874	7.659829
Ccdc88c	0.192427	1.754201	1.913219	0.667271
Ccdc89	0.062899	0.015627	0.020927	0.049335
Ccdc9	45.207903	21.066557	17.142217	21.571204
Ccdc90b	8.687507	12.950182	21.205543	15.890874
Ccdc91	5.774671	11.186667	6.632672	9.330836
Ccdc92	0.183632	0.995523	1.386745	0.840805
Ccdc93	5.026171	7.375495	6.827896	6.408672
Ccdc94	7.57843	8.205747	6.469818	6.014157
Ccdc96	0.055306	0.148375	0.013556	0.209457
Ccdc97	11.48387	15.89181	11.230962	15.460333
Ccer1	0	0	0	0
Cchcr1	13.342418	17.015354	15.968873	10.34258
Ccin	0	0.083603	0.024257	0.085778
Cck	0	0	0	0.195743
Cckar	0	0	0	0.039634
Cckbr	0	0	0	0
Ccl1	0	0	0	0
Ccl11	0	0.474507	0.183567	0.590711
Ccl12	0.369808	56.884167	28.764816	28.393578
Ccl17	3.433443	20.942554	5.068522	9.508264
Ccl19	0	0	0	0
Ccl2	5.971094	62.021873	32.662521	28.152691
Ccl20	0	0	0	0
Ccl21a	0	0	0	0
Ccl21b	0	0	0	0
Ccl21c	0	0	0	0
Ccl22	0.492532	0.721594	0.265178	2.29652
Ccl24	0.882672	0.724153	5.068075	3.780095

Ccl25	2.524533	5.770859	4.585974	5.826291
Ccl26	0	0	0	0
Ccl27a	7.627921	3.646901	6.374157	8.89387
Ccl27b	0	0.205921	0.180916	0.280762
Ccl28	0.14455	0.113022	0.140653	0.123155
Ccl3	18.746952	2.762707	4.020792	5.436969
Ccl4	3.410729	3.583735	3.84882	7.020309
Ccl5	1.443386	2.861615	0.928578	6.421566
Ccl6	90.911453	261.191895	411.419037	1103.091431
Ccl7	6.136696	62.477448	23.998455	30.375273
Ccl8	0.483581	38.054741	11.977359	54.193439
Ccl9	21.737286	76.13942	137.552231	233.964264
Ccm2	17.157296	33.117366	22.385398	31.897726
Ccm2l	0.257996	0.473612	0.427378	0.340785
Ccna1	0	0	0	0
Ccna2	8.854517	35.252914	49.206047	26.036585
Ccnb1	2.845823	17.998585	24.562498	14.213451
Ccnb1ip1	0	0	0	0
Ccnb2	6.537765	29.416023	44.235516	22.863266
Ccnb3	0	0	0	0
Ccnc	1.107368	11.032514	8.562765	4.6707
Ccnd1	73.679932	122.3881	99.634232	104.890121
Ccnd2	19.557655	36.646259	20.539698	38.334805
Ccnd3	60.651051	56.211312	40.638416	62.78325
Ccndbp1	24.797684	28.095503	23.989414	26.760479
Ccne1	3.973793	18.122046	16.353689	15.439754
Ccne2	1.278666	2.373335	5.003051	3.690358
Ccnf	3.541697	10.870259	12.893021	8.166277
Ccng1	12.100486	19.933147	22.723442	25.107826
Ccng2	45.367836	26.725502	46.81382	36.602043
Ccnh	9.798442	18.400423	18.487282	15.592777
Ccni	80.057388	52.05761	49.656185	52.210091
Ccnj	2.402281	2.790349	1.753247	2.489207
Ccnjl	0.091462	0.202982	0.090401	0.378242
Ccnk	31.04454	22.6661	22.049809	16.889017
Ccnl1	77.106308	47.818546	49.3615	52.035675
Ccnl2	131.429642	75.88028	66.554024	69.744827
Ccno	0	0	0	0
Ccnt1	13.121021	11.348325	8.702182	10.839021
Ccnt2	13.619588	13.893876	13.878328	11.337111
Ccny	15.373596	16.262722	13.069534	14.625029
Ccnyl1	3.291753	6.648136	5.019242	5.66979
Ccp110	1.192282	2.931671	3.568197	2.267535
Ccpg1	7.819237	18.134896	14.07616	20.251663
Ccpg1os	2.200541	4.718307	5.621543	3.576605
Ccr1	10.101981	25.524031	33.561203	36.270206
Ccr10	0.172363	0.270561	0.334559	0.397498
Ccr1l1	0	0.058122	0	0
Ccr2	0.316278	21.189657	20.663548	16.640053

Ccr3	0	0	0	0.053202
Ccr4	0	0	0	0
Ccr5	1.440673	17.992466	21.832224	23.181223
Ccr6	0	0	0.14013	0
Ccr7	0.501145	0.877363	0.627957	3.044495
Ccr8	0	0.11011	0	0
Ccr9	0	0.067366	0	0.090395
Ccrl2	3.773098	2.62867	2.634491	1.919196
Ccrn4l	7.732325	14.779254	13.165809	8.714756
Ccs	33.587448	37.84687	39.512718	38.913731
Ccsap	1.245312	3.758329	2.735368	2.031201
Ccser1	0	0	0	0
Ccser2	5.475478	3.565775	5.24968	3.8002
Cct2	297.270477	247.548248	254.902435	191.202316
Cct3	167.337311	230.351089	245.658722	186.142151
Cct4	228.558517	171.079895	258.616211	154.79892
Cct5	470.922882	473.219574	470.425507	372.442749
Cct6a	178.874741	222.968445	260.492401	198.04126
Cct6b	0	0	0	0
Cct7	155.145554	139.285583	130.237	127.280083
Cct8	131.658813	157.287064	147.575012	104.404305
Cct8l1	0	0	0	0.064328
Ccz1	28.46821	30.257097	31.423094	28.050222
Cd101	0	1.493362	2.256993	1.343637
Cd109	27.355282	29.118879	27.626001	14.509872
Cd14	45.781185	87.516937	88.188614	76.141464
Cd151	36.018231	64.035755	64.700289	57.104274
Cd160	0	0.114673	0.033968	0.156575
Cd163	0.496425	1.038618	1.344197	1.947468
Cd163l1	0	0.19032	0	0
Cd164	32.615406	51.111275	45.353046	50.430679
Cd164l2	0	0	0	0.410502
Cd177	0	0.077958	0.253527	0.149706
Cd180	0	1.346923	1.763052	1.071565
Cd19	0	0	0	0
Cd1d1	0.576653	1.873345	2.959141	7.566102
Cd1d2	0	0	0	1.084546
Cd2	0	0.703685	0.473479	0.877072
Cd200	1.593109	2.557419	3.667995	7.202615
Cd200r1	1.797507	4.88698	6.40851	12.411631
Cd200r2	0	0	0	0.912773
Cd200r3	0	0	0.151793	0.547816
Cd200r4	1.054629	1.644241	1.828899	6.686362
Cd207	0	0	0	0.339408
Cd209a	0	0.199755	0	0
Cd209b	0	0	0	0
Cd209c	0	0	0	0
Cd209d	0	0	0	0
Cd209e	0	0	0	0

Cd209f	0	0	0	0
Cd209g	0	0	0	0
Cd22	0.057847	0.264608	0.168667	1.577289
Cd226	0	0	0	0
Cd244	2.039874	0.989274	2.474927	3.007606
Cd247	0	0	0.116825	0
Cd248	4.663741	15.418341	9.633612	18.045233
Cd24a	13.821505	21.89772	32.524551	38.0938
Cd27	0	0.018666	0.06249	0
Cd274	7.276845	5.981709	7.552577	10.296516
Cd276	15.285611	31.419079	23.51651	26.610382
Cd28	0	0	0	0.07637
Cd2ap	7.825626	10.201105	10.167969	8.588273
Cd2bp2	13.321107	12.286185	14.474395	16.557744
Cd300a	1.557793	2.596914	3.421964	5.230963
Cd300c	0	0	0	0
Cd300e	0	0.500119	0.555497	0.268029
Cd300lb	1.777756	5.369699	5.971026	9.866021
Cd300ld	1.093177	7.359899	7.579239	12.530719
Cd300lf	35.449951	24.983301	32.379053	45.652818
Cd300lg	0.089483	1.023694	0.648431	0.73264
Cd300lh	0	0.645056	0	0
Cd302	5.579924	12.044262	18.154216	31.890581
Cd320	11.644746	20.317505	23.350609	17.183281
Cd33	8.528825	7.457182	10.715673	8.514987
Cd34	1.344592	11.058658	8.497911	4.826864
Cd36	0.097274	1.131017	0.955746	0.225272
Cd37	6.627082	11.751326	15.008178	11.957672
Cd38	7.406488	3.660825	11.806202	18.555901
Cd3d	0	0.216079	0	0.087283
Cd3e	0.621152	0.205644	0	0
Cd3eap	11.431259	18.411219	13.28913	19.35305
Cd3g	0	0.414749	0.23939	0.113477
Cd4	0	0.177849	0.093976	0.374828
Cd40	0.831829	1.446059	2.667105	2.488108
Cd40lg	0	0	0	0
Cd44	40.723243	140.895253	112.821034	57.164647
Cd46	0	0	0.539644	0
Cd47	67.055733	57.970375	77.682014	79.721306
Cd48	1.022905	13.003081	16.474308	17.497704
Cd5	0	0	0	0
Cd52	40.322456	128.394241	234.669083	310.888336
Cd53	14.161672	20.974854	26.732347	39.635086
Cd55	0	0.058789	0	0.378836
Cd55b	0	0	0	0
Cd59a	3.946559	1.539588	2.765472	7.884763
Cd59b	0	0.072078	0.331107	0
Cd5l	0	0	0.892815	2.777644
Cd6	0	0.175085	0	0.038262

Cd63	657.977295	571.190336	669.258667	894.255729
Cd68	62.115932	95.842178	106.677184	121.825703
Cd69	0	0.183334	0.332332	0.607663
Cd7	0	0.122391	0	0
Cd70	0	0.050391	0	0
Cd72	0	3.994253	2.6595	3.906398
Cd74	11.513159	134.203025	56.466634	117.401227
Cd79a	0	0	0	0.134428
Cd79b	0	0.42358	0.23566	0.387602
Cd80	0	2.744395	1.690829	3.892316
Cd81	200.055679	243.810837	233.295471	290.360077
Cd82	40.888869	29.43803	27.276026	50.458203
Cd83	2.595518	4.663669	5.238356	6.68451
Cd84	4.140051	15.39444	18.521075	24.976622
Cd86	0.777565	7.159591	8.094096	8.808532
Cd8a	0	0	0.093764	0.037088
Cd8b1	0	0	0.102935	0.112589
Cd9	374.69223	385.869232	453.039307	685.027893
Cd93	8.379271	11.361309	9.033454	8.788089
Cd96	0	0	0	0
Cd99l2	8.774446	16.668547	17.389882	14.118154
Cda	41.329044	31.543825	31.399523	22.505594
Cdadc1	8.254255	8.835002	9.589301	9.346546
Cdan1	3.915652	4.815235	3.471143	4.330077
Cdc123	21.610668	41.831551	38.984879	39.55719
Cdc14a	1.58102	2.67054	3.038098	1.620467
Cdc14b	2.955784	4.423531	3.486186	2.477447
Cdc16	44.952816	47.201797	47.500221	42.318813
Cdc20	10.865995	39.171974	40.311863	27.022676
Cdc20b	0	0	0	0
Cdc23	7.772386	16.59034	14.185985	13.420795
Cdc25a	4.262361	9.017634	5.12285	6.192994
Cdc25b	12.279103	23.658435	20.573328	18.254392
Cdc25c	0.786817	5.320558	8.06355	4.239581
Cdc26	30.670193	42.08017	53.616261	51.826683
Cdc27	3.848706	7.522656	7.297984	7.833328
Cdc34	57.740673	72.183945	72.670967	85.24054
Cdc37	82.12986	94.824593	80.822495	77.286156
Cdc37l1	7.022019	12.081503	11.280573	11.908701
Cdc40	9.420006	13.289664	13.769907	9.10973
Cdc42	142.162398	148.604209	151.025997	166.682965
Cdc42bpa	10.164526	9.099015	6.828331	8.24753
Cdc42bpb	38.191193	34.990265	24.936975	23.399054
Cdc42bpg	5.457679	3.560611	2.890085	7.188936
Cdc42ep1	21.101528	39.379456	18.853689	23.812523
Cdc42ep2	8.743604	6.981736	6.562494	7.801915
Cdc42ep3	7.297841	6.758411	4.886965	8.901353
Cdc42ep4	13.040796	10.540197	8.476787	12.80639
Cdc42ep5	3.081077	3.98163	2.596594	4.226056

Cdc42se1	39.902519	59.238399	51.533242	58.317851
Cdc42se2	16.413202	22.009077	17.561764	19.394382
Cdc45	6.13854	24.842734	20.065142	17.442854
Cdc5l	22.492878	23.44684	18.740622	19.950354
Cdc6	0.259815	4.934237	4.162158	2.442054
Cdc7	2.89498	7.503694	11.826494	5.741974
Cdc73	9.814615	9.518333	8.076052	6.622458
Cdca2	1.681901	6.798771	8.147159	4.333677
Cdca3	4.222318	23.040823	37.056679	20.085276
Cdca4	23.388317	32.922115	29.482529	24.807861
Cdca5	2.006765	9.282101	11.834915	7.055744
Cdca7	15.334301	27.176006	21.496353	16.819366
Cdca7l	12.428969	19.113495	19.557421	9.582445
Cdca8	6.556024	26.141991	23.615885	16.289728
Cdcp1	0.136814	0	0	0.089073
Cdcp2	0	0	0	0
Cdh1	2.971845	9.734046	6.182175	12.564435
Cdh10	0	0	0	0
Cdh11	1.078382	7.163189	1.511923	2.046214
Cdh12	0	0	0	0
Cdh13	0.626677	2.680894	2.098978	0.69483
Cdh15	0	1.024978	0.103923	1.009105
Cdh16	0	0	0	0
Cdh17	0.28532	0.049022	0.183768	0.816161
Cdh18	0	0	0	0.042306
Cdh19	0.46839	0.180607	0.112866	0.209063
Cdh2	9.815127	19.874029	16.290922	11.506107
Cdh20	0	0	0	0
Cdh22	0	0	0	0
Cdh23	0.240848	0	0	0.036034
Cdh24	3.182077	2.303645	2.322864	1.321751
Cdh26	0	0	0	0
Cdh3	4.509672	2.123438	0.559525	4.141583
Cdh4	0.054479	0	0	0
Cdh5	4.344589	10.291896	9.278282	4.877036
Cdh6	0	0	0.056126	0.073301
Cdh7	0	0	0	0
Cdh8	0	0	0	0
Cdh9	0	0	0	0
Cdhr1	0.069081	0	0	0.778946
Cdhr2	0	0	0	0
Cdhr3	0	0	0	0
Cdhr5	0	0.112111	0	0.898726
Cdip1	12.225871	11.207253	11.836204	15.17124
Cdipt	28.697863	34.734638	26.822069	31.886934
Cdk1	13.065438	40.187901	52.667515	32.380867
Cdk10	32.08621	29.537341	27.269166	26.116915
Cdk11b	80.874565	45.174915	32.346684	41.451756
Cdk12	3.768991	6.483543	5.127091	3.736105

Cdk13	4.639706	9.457933	5.925287	6.622526
Cdk14	7.980331	15.14766	11.66476	8.494583
Cdk15	0	0	0	0
Cdk16	43.119961	62.166897	47.343697	50.272404
Cdk17	9.992849	10.97891	10.469687	11.143848
Cdk18	21.057291	19.878117	15.00286	10.34553
Cdk19	4.563446	6.498707	5.076232	5.116315
Cdk2	6.58178	20.739823	23.644251	19.328071
Cdk20	3.358582	5.37874	4.555964	4.627284
Cdk2ap1	40.976059	46.61829	42.942543	41.202705
Cdk2ap2	51.951927	39.898293	42.433369	58.098957
Cdk3-ps	0.193911	0.266407	0.516689	0.546941
Cdk4	197.998016	321.78186	337.504761	263.531311
Cdk5	19.277493	23.401407	28.51623	27.781069
Cdk5r1	1.522986	1.918704	2.163115	2.710003
Cdk5r2	0	0	0	0
Cdk5rap1	5.685022	6.032788	7.130482	6.856772
Cdk5rap2	3.733795	6.879782	5.114579	3.178688
Cdk5rap3	30.104038	28.299339	22.782184	22.73855
Cdk6	7.973541	7.059101	8.162313	6.056244
Cdk7	5.822089	8.46284	8.499319	8.863946
Cdk8	15.335943	18.69792	18.199585	14.634684
Cdk9	39.311516	32.326191	25.337622	28.930653
Cdkal1	3.335804	4.874385	5.053822	3.130116
Cdkl1	0.174863	0.424707	1.606813	0.680895
Cdkl2	0.303611	1.005878	0.973405	0.820588
Cdkl3	1.051975	1.632144	1.776244	0.962203
Cdkl4	0	0.144759	0	0
Cdkl5	0.334228	0.532953	0.61494	0.410082
Cdkn1a	109.986836	37.885515	34.72688	71.827242
Cdkn1b	36.933281	29.469061	38.012909	29.018438
Cdkn1c	0.50596	1.76785	0	0.089665
Cdkn2a	667.187256	563.088212	603.49794	582.01712
Cdkn2aip	6.111493	6.285552	4.669751	5.511512
Cdkn2aipnl	57.472923	75.851974	97.432396	68.319221
Cdkn2b	96.303017	135.533615	101.337975	99.242256
Cdkn2c	2.946136	15.201924	12.424087	8.133396
Cdkn2d	22.343861	16.040541	25.642971	21.75573
Cdkn3	1.074422	8.999767	14.210694	9.019237
Cdnf	0.314682	0.432408	0.212025	0.268929
Cdo1	1.805111	1.023098	0.768988	14.335053
Cdon	0.081239	0.416799	0.360042	0.638632
Cdpf1	6.439831	10.960532	12.442216	17.527632
Cdr1	0	0	0	0
Cdr2	12.168652	13.685477	7.288986	12.632163
Cdr2l	32.119595	31.333948	21.29394	29.40004
Cdrt4	0	0	0	0
Cdrt4os1	0	0	0	0
Cds1	0.226143	0.616687	0.834187	0.773919

Cds2	18.820278	12.435914	6.284336	12.766856
Cdsn	3.454112	1.726938	2.390257	2.083414
Cdt1	31.213478	33.406509	28.33506	24.690971
Cdv3	32.705838	32.003298	22.879035	25.772404
Cdx1	0.056633	0	0	0.132671
Cdx2	0	0	0	0
Cdx4	0	0	0	0
Cdyl	6.21202	6.073476	4.621404	4.921488
Cdyl2	4.257317	2.518902	1.584279	3.226463
Ceacam-ps1	0	0	0	0
Ceacam1	0.51022	1.378982	1.637741	2.758449
Ceacam10	0	0	0.139573	0
Ceacam11	0	0	0	0
Ceacam12	0	0	0	0
Ceacam13	0	0	0	0
Ceacam14	0	0	0	0
Ceacam15	0	0	0	0.166911
Ceacam16	0	0.44678	0.293592	0.33395
Ceacam18	0	0	0	0.059532
Ceacam19	0	0	0	0
Ceacam2	0	0	0	0.796459
Ceacam20	0	0	0	0
Ceacam3	0	0	0	0
Ceacam5	0	0	0	0
Ceacam9	0	0	0	0
Cebpa	9.83898	13.345381	3.30785	28.023258
Cebpb	226.102417	150.915032	145.255361	214.032237
Cebpd	27.658903	17.41609	13.107329	37.460712
Cebpe	0.120083	0.101902	0.831569	2.542403
Cebpg	18.347202	21.390667	19.264143	22.740831
Cebpz	12.260534	21.253529	16.794617	13.01049
Cebpzos	11.584892	17.131635	26.280048	22.821221
Cecr2	0.04303	0	0	0.037801
Cecr5	4.082775	8.027376	7.711799	7.493876
Cecr6	0.101232	0.026142	0.03007	0.235559
Cel	0	0	0	0
Cela1	19.848555	23.659882	36.424107	31.352486
Cela2a	0	0	0	0
Cela3a	0	0	0	0
Cela3b	0	0	0	0
Celf1	14.34874	17.596957	14.126511	15.271145
Celf2	8.163664	7.368916	8.07063	6.721797
Celf3	0.261567	0.061638	0.094336	0.241398
Celf4	1.094637	0.149104	0.10506	2.271609
Celf5	0.530306	0.134149	0.033651	0.270781
Celf6	0.286273	0	0	0.036386
Celrr	0	0	0	0
Celsr1	0.103145	0.011365	0	0.062324
Celsr2	0.05584	0	0.027463	0.085958

Celsr3	0.554808	0.113124	0.315565	0.323505
Cemip	0.776632	0.308863	0.034609	0.431341
Cend1	0	0.270056	0	0.383453
Cenpa	15.769358	59.583193	129.65496	68.244868
Cenpb	93.149849	78.083969	63.534843	99.12606
Cenpc1	3.596496	8.995192	9.507327	6.424356
Cenpe	1.486658	8.666297	12.395399	5.121798
Cenpf	0.655277	3.984714	5.536649	2.946067
Cenph	1.887245	9.98795	14.646695	11.150812
Cenpi	0.69005	4.866357	6.834544	2.749644
Cenpj	0.190054	1.641435	1.391551	1.834823
Cenpk	0	0.948813	2.301539	1.52541
Cenpl	0.608168	3.835766	6.274195	4.607061
Cenpm	3.255227	5.306495	5.416625	5.312332
Cenpn	1.751214	9.227467	9.116793	6.239515
Cenpo	1.856476	5.772652	5.44043	4.313159
Cenpp	1.48882	7.336226	10.283113	4.097161
Cenpq	5.903998	14.573307	19.033798	9.7885
Cenpt	10.063993	22.205772	22.542185	13.956236
Cenpu	0.299896	3.630775	3.234362	2.093112
Cenpv	7.759973	15.545195	15.866597	14.830797
Cenpw	3.870382	8.331986	14.532849	9.700757
Cep104	4.738225	6.603482	4.111548	4.58919
Cep112	0	0.170397	0.639579	0.426251
Cep120	6.24371	7.60294	5.668252	7.024061
Cep126	0	0	0	0
Cep128	0.380049	3.777057	3.401206	2.010204
Cep131	13.041787	11.392615	8.706635	5.378876
Cep135	1.070896	1.373844	2.137457	1.339744
Cep152	2.281317	3.223256	3.362649	2.494413
Cep162	1.539876	3.476937	2.816227	1.728604
Cep164	6.122233	7.307374	6.484157	6.232989
Cep170	16.101383	19.788115	14.030606	11.577089
Cep170b	29.075415	14.608378	9.222756	11.936876
Cep19	3.46015	5.600636	5.40917	6.081638
Cep192	2.70061	5.878265	6.196998	4.359453
Cep250	5.725944	8.960243	7.868153	6.075207
Cep290	0.526555	0.419069	1.052871	0.395633
Cep295	1.32711	3.791436	4.061101	2.527124
Cep350	2.598153	3.358084	4.253932	2.693258
Cep41	0.217411	4.094924	3.670876	1.40387
Cep44	12.052634	15.51055	16.000942	12.509808
Cep55	0.99129	10.243118	15.072612	8.548618
Cep57	11.323329	14.115154	18.658887	12.582786
Cep57l1	1.195377	3.671901	4.817583	2.336941
Cep63	7.964731	5.645473	5.395759	8.001517
Cep68	5.270167	11.53805	10.318056	8.403289
Cep70	1.630414	2.691271	4.364988	2.211624
Cep72	0.177369	0.757231	1.050767	0.524219

Cep76	3.94073	4.040996	3.303741	3.540146
Cep78	1.536588	5.498491	3.809294	2.434767
Cep83	7.825555	12.728169	10.911537	8.06399
Cep83os	0.359363	1.039788	1.309464	0.656374
Cep85	7.586173	7.919093	6.3448	6.59918
Cep85l	0.294146	0.598302	0.957893	0.489194
Cep89	4.537538	7.162156	9.251561	5.235826
Cep95	6.324755	7.144743	6.923128	6.466655
Cep97	2.258934	2.115653	3.304632	2.087453
Cept1	9.340424	14.586575	14.895505	12.230762
Cer1	0	0	0	0
Cercam	5.651272	3.305124	1.230169	6.379419
Cerk	10.060392	11.648232	11.949896	18.733547
Cerkl	0	0	0	0
Cers1	0	0.627389	0	0
Cers2	93.102837	107.048653	125.365494	88.330322
Cers3	0	0	0	0.071178
Cers4	0.362604	0.404084	0.266525	0.581066
Cers5	41.496162	40.91404	41.998615	43.428528
Cers6	3.179849	6.401955	6.598155	4.669361
Ces1a	0	0	0	0
Ces1b	0	0	0	1.660856
Ces1c	0.241439	0.390681	0	8.048209
Ces1d	0.245334	0	0	2.118696
Ces1e	0	0	0	0
Ces1f	0	0	0	0.201257
Ces1g	0	0	0	1.281399
Ces2a	0	0	0	0
Ces2b	0	0	0	0
Ces2c	0	0	0	0
Ces2d-ps	0	0	0	0
Ces2e	0.054836	0	0	2.908817
Ces2f	0	0	0	0
Ces2g	0.509582	0.178085	0.102881	1.304334
Ces2h	0	0	0	0
Ces3a	0.213516	0.201273	0	1.717193
Ces3b	0	0.041093	0	0.168462
Ces4a	0	0	0	0
Ces5a	0	0	0	0
Cetn1	0	0	0	0
Cetn2	12.326986	20.692574	29.13488	26.511995
Cetn3	50.994003	72.930649	95.37455	72.420647
Cetn4	1.402553	0.997351	1.134561	1.112634
Cfap126	1.149554	1.094241	1.383597	0.714034
Cfap20	35.801044	40.214905	44.30901	38.584599
Cfap221	0	0	0	0
Cfap36	10.900835	13.87215	22.082836	14.902994
Cfap43	0.197539	0.110242	0.093483	0.120777
Cfap44	0	0	0	0

Cfap45	0	0.092837	0.21585	1.084834
Cfap46	0	0	0	0
Cfap52	0	0.088025	0	0.110255
Cfap53	0.137662	0	0	0.130886
Cfap57	0	0	0	0.044578
Cfap58	0	0	0	0
Cfap61	0	0	0	0
Cfap69	3.540006	3.556785	3.650622	3.669594
Cfap70	0	0	0	0
Cfap74	0.101399	0.395793	0.342962	0.456026
Cfap97	3.05155	4.895526	4.560993	4.089753
Cfb	1.174415	6.37346	1.702461	32.726112
Cfc1	0	0	0	0
Cfd	0	0.729879	1.831877	0.084753
Cfdp1	143.24408	142.325226	146.781967	163.544571
Cfh	7.338454	4.115775	9.342346	31.544798
Cfhr1	0	0	0	0.468725
Cfhr2	0	0	0	3.282599
Cfi	1.095786	0.204674	0	15.082303
Cfl1	598.064026	806.716797	663.996643	633.679077
Cfl2	32.371571	22.850519	22.835152	18.844126
Cflar	3.695047	10.194263	7.323197	11.158638
Cfp	10.515835	61.512131	77.591835	122.267006
Cftr	0	0	0	0.046037
Cga	0	0	0	0
Cggbp1	13.783938	19.780077	18.251539	17.988232
Cgn	0.446671	2.205777	3.716177	0.830785
Cgnl1	9.583731	5.390202	10.106806	11.154897
Cgref1	7.481354	13.210204	9.815155	13.401108
Cgrrf1	13.24611	11.672698	15.840956	18.661423
Ch25h	5.331228	8.097878	4.938751	23.138905
Chac1	6.670772	11.692697	5.537248	9.786276
Chac2	1.78072	3.662699	6.340859	4.138381
Chad	0.20137	1.205346	0.84412	0.649412
Chadl	0.116781	0.257732	0.132034	0.20227
Chaf1a	10.440532	22.021776	16.807119	15.399258
Chaf1b	9.980259	13.597625	12.85075	7.882494
Champ1	17.354624	16.488558	10.19554	10.056952
Chat	0	0	0	0
Chchd1	90.787704	166.590042	248.038101	191.838821
Chchd10	5.67817	5.97345	2.036852	10.657601
Chchd2	120.578964	108.543556	152.346573	152.041611
Chchd3	51.883781	57.581108	62.637749	56.059895
Chchd4	9.920919	31.335299	31.540609	38.326309
Chchd5	16.122742	16.502268	18.85359	15.01934
Chchd6	12.098021	16.848863	25.194963	15.182487
Chchd7	30.878592	19.715396	33.86359	34.257382
Chd1	10.053149	11.127801	6.910058	7.884282
Chd1l	3.469621	8.236871	8.134207	4.695638

Chd2	15.054199	9.238739	8.474717	7.646016
Chd3	19.353697	27.952711	20.39517	16.787945
Chd3os	0	0.357747	0.383822	0.813933
Chd4	49.711212	63.481518	47.200569	49.808472
Chd5	1.662671	0.445692	0.292426	0.611394
Chd6	4.466391	5.109776	4.666049	4.217305
Chd7	10.494637	5.220453	4.914546	6.078685
Chd8	12.096143	13.645072	11.926666	11.018791
Chd9	2.511456	2.484525	2.576757	2.551744
Chdh	0.31493	0	0	1.053516
Chek1	0.666168	3.197462	3.891993	2.181183
Chek2	1.935587	7.88417	10.923343	5.973615
Cherp	24.946003	28.671236	19.454147	20.159258
Chfr	7.479383	10.229246	9.797409	13.310587
Chga	0	0	0	0
Chgb	0	0	0	0
Chia1	0	0	0	0
Chic1	0.724956	1.010739	1.312761	1.317039
Chic2	21.927694	17.399694	13.567826	24.310513
Chid1	4.645367	9.041448	12.852594	13.372071
Chil1	0	0.977697	0.115452	0.705638
Chil3	752.132202	167.38942	428.421204	486.196899
Chil4	0	0	0	0
Chil6	0	0	0	0
Chit1	0	0	0	0
Chka	24.402895	13.103352	15.364359	14.612471
Chkb	23.806617	24.331477	24.064963	24.925784
ChkbCpt1b	0.736881	1.482333	0.874787	0.81319
Chl1	0	0.191443	0.095295	0.363941
Chm	3.016059	4.567817	4.147833	2.649694
Chml	0.955001	2.517979	1.96656	1.324607
Chmp1a	38.824673	33.621758	33.276672	39.212082
Chmp1b	11.603005	14.248296	10.731691	13.516664
Chmp2a	139.982285	116.941505	138.594925	147.845352
Chmp2b	25.785425	26.069794	28.533108	25.84096
Chmp3	24.910658	37.07196	36.384743	40.771595
Chmp4b	174.852615	103.247849	80.658875	131.057907
Chmp4c	0.055368	0	0.110038	0.646367
Chmp5	53.453014	55.425472	61.082588	69.475418
Chmp6	14.032626	29.50918	32.757008	24.972878
Chmp7	17.536245	19.300041	17.287407	18.754328
Chn1	0	0.178096	0.145902	0.265594
Chn1os3	0.467253	0.400352	0.541988	0.278523
Chn2	0.141584	0.187675	0.312647	1.965206
Chodl	0	0	0	0
Chordc1	6.308776	18.86187	14.20755	14.700094
Chp1	28.574968	27.318113	20.640182	27.057793
Chp2	0	0	0	0.148041
Chpf	23.031394	32.47135	20.880532	41.290503

Chpf2	21.593546	13.817475	12.239721	19.789278
Chpt1	4.084592	2.591402	3.871039	3.174989
Chrac1	31.98797	39.328331	62.623711	51.188156
Chrd	0.655778	0.481393	0.088432	1.001613
Chrdl1	0	0	0	0
Chrdl2	0	0	0	0
Chrm1	0	0	0	0
Chrm2	0	0	0	0
Chrm3	0	0	0	0.036399
Chrm4	0	0	0.0676	0.083878
Chrm5	0	0	0	0
Chrna1	0.273006	1.269506	0.079486	0.464677
Chrna10	0	0.151953	0	0
Chrna2	0	0	0	0.098741
Chrna3	0	0	0	0
Chrna4	0	0	0	0
Chrna5	0	0	0	0
Chrna6	0	0	0	0
Chrna7	0	0	0	0
Chrna9	0	0	0	0
Chrnb1	4.221367	23.022781	22.639471	6.602911
Chrnb2	0.653727	0.560288	0.372545	0.504105
Chrnb3	0	0	0	0
Chrnb4	0	0	0	0.027529
Chrnd	0	0.271506	0	0
Chrne	0	0	0	0
Chrng	0	0.759863	0	0
Chst1	13.189568	12.604404	11.191101	17.75984
Chst10	0	0.298004	0.152193	0.130267
Chst11	13.472798	12.090816	10.235471	15.762736
Chst12	29.854221	27.265936	26.360826	28.171482
Chst13	0	0	0	0.175313
Chst14	10.138465	14.044269	13.021674	12.392216
Chst15	4.161651	2.131447	2.413233	5.477854
Chst2	0.117071	0.334972	0.50362	0.529662
Chst3	0.238691	1.394856	1.203566	0.274642
Chst4	0	0	0	0
Chst5	0	0.175417	0	0
Chst7	1.488206	3.806158	2.828133	1.80432
Chst8	0	0	0	0.121075
Chst9	0	0	0	0
Chsy1	15.604343	31.583321	19.611357	25.459372
Chsy3	0.05072	0.229522	0.126678	1.477647
Chtf18	2.357413	11.700865	8.771152	4.718181
Chtf8	19.562998	60.768402	43.571259	44.94558
Chtop	28.593162	42.793162	42.994251	39.529071
Chuk	6.219824	10.70787	9.001789	10.072632
Churc1	46.703461	43.082989	77.713211	66.722725
Ciao1	8.760857	9.264981	9.697411	10.381228

Ciapin1	12.218403	15.015114	11.082425	12.304057
Ciart	42.90575	8.913193	7.525232	7.834807
Cib1	18.548979	26.358632	28.362083	38.025886
Cib2	2.862831	4.204233	2.941747	9.50354
Cib3	0.730647	0	0	1.414843
Cib4	0	0	0	0
Cic	42.041497	32.488081	22.54294	24.661461
Cidea	0	0	0	0
Cideb	0	0.069139	0.088472	1.378805
Cidec	0.1429	0	0	0.067492
Ciita	0.02204	0.468269	0.20405	0.16296
Cilp	1.625953	36.032238	0.255635	0.710738
Cilp2	0.061604	0.116041	0	0.043294
Cinp	10.397164	21.630467	23.593611	23.930966
Cipc	7.364614	10.943151	11.464867	9.953357
Cir1	19.652046	8.823617	9.597949	8.184357
Cirbp	48.945011	14.480746	25.443962	19.684202
Cirh1a	44.048939	46.319157	28.879784	30.490679
Cisd1	27.522341	26.542704	28.042833	27.542404
Cisd2	9.476955	23.964317	29.303432	24.835417
Cisd3	36.500462	41.689518	47.944633	40.60424
Cish	1.997455	5.717124	4.60415	15.308084
Cit	0.739245	3.900883	3.864963	1.618447
Cited1	17.45323	0	0.325374	0.394018
Cited2	44.191895	30.186586	25.263296	22.038181
Cited4	0.866607	0.067454	0.039143	0.276836
Ciz1	39.16211	28.943549	19.468961	19.370023
CK137956	0	0	0	0
Ckap2	3.757557	13.258801	15.923479	8.496059
Ckap2l	2.891634	13.984601	14.763232	10.496521
Ckap4	63.44952	87.317085	63.002945	74.953163
Ckap5	10.632419	14.326149	12.743329	9.419955
Ckb	4.636009	7.952962	8.056158	16.597715
Cklf	3.453873	11.106841	16.383785	14.830383
Ckm	0	107.53051	0	0.204553
Ckmt1	0	0	0	0
Ckmt2	0	1.36861	0	0
Cks1b	172.692276	302.141113	389.390137	306.371887
Cks1brt	0	0.298003	0.329877	0.419177
Cks2	48.179817	73.550613	114.825111	77.254478
Clasp1	4.448976	6.436194	8.052737	5.978719
Clasp2	4.242522	3.811771	4.517401	3.438708
Clasrp	33.67947	21.74529	21.040836	17.226474
Clca1	0.258965	0.760512	1.251164	0.779266
Clca2	0	0.128697	0.334056	0.044212
Clca3a1	16.621767	26.169498	44.41929	9.843945
Clca3a2	0	1.00154	1.483274	0.416184
Clca3b	0.254493	0.570274	0.679204	0.472552
Clca4a	0	0.042066	0	0

Clca4b	0	0	0	0
Clca4c-ps	0	0	0	0
Clcc1	12.30457	22.327606	17.888389	12.924203
Clcf1	73.518775	69.338411	46.157479	67.143037
Clcf1-pold4	3.691543	1.018733	0.459236	0
Clcn1	0.069893	0.071812	0.055377	0.048785
Clcn2	3.18869	3.286484	3.029416	2.397531
Clcn3	3.956873	4.604952	9.329988	3.678918
Clcn4-2	4.488357	12.856963	8.664073	13.473406
Clcn5	1.804892	2.386463	1.735871	1.919449
Clcn6	3.332311	6.370706	5.660302	2.761461
Clcn7	13.203058	18.809097	14.878959	15.526695
Clcnka	0.101755	0	0	0
Clcnkb	0.532813	0	0	0.143537
Cldn1	0.1372	0.312096	0.501382	0.729019
Cldn10	0	0	0	0
Cldn11	0	0	0	0
Cldn12	4.251189	14.619384	18.542843	3.599179
Cldn13	0	0	0	0
Cldn14	0	0	0	0.74737
Cldn15	0.398004	0.447134	0.106412	0.435665
Cldn16	0	0	0	0
Cldn17	0	0	0	0
Cldn18	0.120405	0	0	0.060598
Cldn19	0	0	0.023249	0.119782
Cldn2	0.596934	0.110708	0	2.760686
Cldn20	0.643703	0.540003	0.671479	0.698865
Cldn22	0.124633	0.277452	0.148617	0
Cldn23	0.320545	0.251532	0	0.153862
Cldn24	0.037371	0.031998	0.072291	0.04319
Cldn3	2.077378	0.067187	0	4.157549
Cldn34-ps	0	0	0	0
Cldn34a	0	0	0	0
Cldn34b1	0	0	0	0
Cldn34b2	0	0	0	0
Cldn34b3	0	0	0	0
Cldn34b4	0	0	0	0
Cldn34c1	0.741891	1.740257	2.982482	1.875392
Cldn34c4	0	0	0	0
Cldn34d	0	0	0	0
Cldn4	2.328034	0.247716	0	1.608076
Cldn5	0.367224	3.478603	3.401488	3.994714
Cldn6	7.820742	38.614166	64.163467	15.684285
Cldn7	1.169746	0	0	0.838073
Cldn8	0	0	0	0
Cldn9	0.686822	0.764483	3.174954	0.321792
Cldnd1	34.993988	41.170294	38.541488	37.402813
Cldnd2	0	0	0	0
Clec10a	6.528973	4.170939	5.359198	4.479217

Clec11a	3.310368	6.331351	1.694093	11.421121
Clec12a	0.512045	5.335362	13.469478	13.017863
Clec12b	0	0	0	0
Clec14a	0.076131	0.493928	0.743636	0.262403
Clec16a	3.629713	5.203076	3.144936	4.641603
Clec18a	0	0	0	0
Clec1a	0.136471	0.295323	0.551082	0.81417
Clec1b	0	0	0.354092	0.513803
Clec2d	8.948053	12.486326	21.021742	19.699028
Clec2e	0	0.241881	0	0
Clec2f	0	0	0	0
Clec2g	0.16076	0.050699	0.059638	0.070612
Clec2h	0	0	0	0
Clec2i	0	0.422055	0.408507	0.478949
Clec2l	0.296839	0	0.205835	1.036033
Clec3a	0	0	0	0
Clec3b	0	2.554853	0	0.40958
Clec4a1	0.603895	1.390692	0.812058	0.37255
Clec4a2	0.988215	5.581956	7.722979	7.794539
Clec4a3	0.418019	2.489764	2.883013	2.623509
Clec4a4	0	1.298249	0	0
Clec4b1	0	0	0	1.119322
Clec4b2	0	0	0	0
Clec4d	17.590406	19.41505	21.594484	25.294115
Clec4e	1.137313	6.711354	13.531758	9.802462
Clec4f	0	0	0	2.350754
Clec4g	0	0	0	0
Clec4n	6.79403	87.361835	102.153977	195.425896
Clec5a	0.232809	9.855525	9.702156	6.975663
Clec7a	1.145755	19.465251	35.635226	62.114663
Clec9a	0	0.135504	0.208886	0.379202
Clgn	0	0	0	0.113811
Clhc1	0	0	0.134617	0
Clic1	253.7379	379.018066	374.912537	359.665527
Clic3	0	0.199996	0	0
Clic4	49.443619	71.165352	40.818771	47.643883
Clic5	0.201282	0.609568	0.050332	0.177855
Clic6	0.143866	0	0	0.124057
Clint1	34.084179	34.231319	28.735218	26.452354
Clip1	19.25209	13.365136	11.151121	13.565282
Clip2	12.946136	17.564974	13.696465	14.575676
Clip3	7.369525	5.505803	2.581664	5.780645
Clip4	1.188751	3.656519	2.387363	2.207165
Clk1	45.453997	39.815998	49.088252	42.26528
Clk2	26.248236	39.043962	31.249103	23.237797
Clk2-scamp3	1.935241	2.87662	2.963633	12.260424
Clk3	43.479374	24.002167	22.673613	25.209873
Clk4	25.226364	27.456729	27.935344	24.830386
Clmn	0.278942	0.128921	0.247579	1.08054

Clmp	10.354551	12.255347	7.910074	15.648113
Cln3	7.899761	9.303726	8.987713	8.633602
Cln5	9.869523	16.805763	19.59343	21.712358
Cln6	12.807837	13.50187	16.401955	13.361555
Cln8	5.649479	6.569923	5.907794	7.472013
Clnk	0	0	0	0
Clns1a	24.476698	37.273788	40.078445	32.561928
Clock	2.908564	3.401216	4.299352	5.422982
Clp1	5.773197	9.36309	7.060325	10.041811
Clpb	6.299514	10.036891	7.782956	6.830985
Clpp	29.478508	40.35553	41.348988	50.823879
Clps	0	0	0	0.34779
Clpsl2	0	0	0	0
Clptm1	26.997652	29.072758	24.367889	23.33095
Clptm1l	35.137623	55.880413	50.646877	50.082253
Clpx	9.606272	9.617011	10.304523	9.434298
Clrn1	0	0	0	0
Clrn2	0	0	0	0
Clrn3	0	0	0	0
Clspn	0.390688	4.334104	3.34994	2.412082
Clstn1	22.829805	44.118563	36.217524	24.840431
Clstn2	0.022019	0	0	0.034329
Clstn3	0	0	0	0.042877
Clta	220.490902	224.097299	241.491894	304.359538
Cltb	29.90649	20.021591	18.415272	32.399174
Cltc	33.891319	38.44471	31.065035	31.874763
Clu	51.729485	28.205933	15.925881	388.108612
Cluap1	6.529346	10.657948	12.84877	12.694806
Cluh	15.220847	28.197124	18.551552	18.793177
Clvs1	0	0	0	0
Clvs2	0	0	0	0
Clybl	19.537363	8.813979	17.469408	13.876451
Cma1	0	0.374604	0	0.288059
Cma2	0	0	0	0
Cmah	0.011074	0.032885	0.038695	0.312056
Cmas	16.270288	20.482189	21.633947	23.609556
Cmbl	3.099874	1.374809	1.678921	7.730931
Cmc1	20.560587	22.653166	29.963421	26.165777
Cmc2	10.801435	16.97624	16.737202	21.547506
Cmc4	2.711511	2.378866	2.541157	3.007612
Cmip	27.863861	15.61974	13.201018	15.683804
Cmklr1	1.639846	11.622363	11.836961	11.843693
Cml1	0.877042	1.48228	2.725049	4.804601
Cml2	0.090648	0.16799	0.043037	5.591742
Cml3	0	0	0	0
Cml5	0	0	0	0
Cmpk1	27.558096	31.190294	34.64983	40.831005
Cmpk2	0	0.106438	0.108088	0.717852
Cmss1	18.638182	18.996706	26.440876	17.31353

Cmtm1	0	0	0	0
Cmtm2a	0	0	0	0
Cmtm2b	0	0	0	0
Cmtm3	24.479437	55.796684	41.751133	60.607388
Cmtm4	6.486735	7.081492	5.417365	6.048057
Cmtm5	0	0	0	0
Cmtm6	9.972731	12.222671	12.005288	16.688492
Cmtm7	30.771747	49.868015	54.003972	62.906661
Cmtm8	0	0.43758	0	0.653169
Cmtr1	9.885033	13.617601	9.313349	10.73309
Cmtr2	3.194816	5.065362	4.457507	5.003268
Cmya5	0	3.247289	0	0.056828
Cnbd2	1.583556	0.776373	0.229213	1.367983
Cnbp	209.123062	61.744459	66.778452	56.4622
Cndp1	0	0	0	0
Cndp2	30.853561	34.801075	30.33293	46.259129
Cnep1r1	14.153235	23.316084	29.499754	28.453054
Cnfn	0	0	0	0
Cnga1	0	0	0	0
Cnga2	0	0	0	0
Cnga3	0	0	0	0
Cnga4	0	0	0	0
Cngb1	0	0	0	0.056252
Cngb3	0	0	0	0
Cnih1	73.315308	97.769638	133.546829	130.924973
Cnih2	3.847138	1.476899	1.512624	2.625304
Cnih3	0	0.107874	0.198628	0
Cnih4	29.02306	34.530231	42.761631	39.549141
Cnksr1	1.072368	1.414665	0.722293	0
Cnksr2	0	0	0	0
Cnksr3	6.070291	4.149098	2.956604	4.6089
Cnn1	0.200844	0.881745	0.199101	4.31318
Cnn2	194.25386	195.863647	150.857544	131.83931
Cnn3	170.66095	228.214142	162.066452	175.665131
Cnnm1	0.03225	0	0	0
Cnnm2	1.652963	2.827072	2.752162	2.875657
Cnnm3	5.476706	7.628359	6.926342	5.657183
Cnnm4	8.171141	18.949131	12.712242	10.257275
Cnot1	11.115979	15.552005	12.863191	9.300965
Cnot10	13.991374	15.941685	14.907688	14.02068
Cnot11	9.705274	12.762057	10.020903	10.773886
Cnot2	18.918887	16.52676	16.687783	13.096918
Cnot3	20.355976	24.040466	17.137096	15.248893
Cnot4	5.071069	7.196095	4.84522	6.321332
Cnot6	8.051401	11.664432	10.326103	12.595265
Cnot6l	4.220237	3.988701	4.733312	4.14479
Cnot7	16.406435	18.503414	21.070057	16.772011
Cnot8	37.78244	41.127937	44.458141	39.00568
Cnp	4.84897	9.926906	9.605006	8.882098

Cnppd1	34.83971	19.973879	20.086515	24.556831
Cnpy1	0	0	0	0
Cnpy2	50.662521	90.564873	109.330078	109.37561
Cnpy3	23.141262	35.072488	29.923426	28.473637
Cnpy4	13.163623	27.826883	26.628372	23.615795
Cnr1	0.629038	1.011901	0.927231	0.474448
Cnr2	0.521427	2.186406	2.697609	2.834956
Cnrip1	1.278513	0.917816	0.735054	3.292249
Cnst	3.514113	5.177217	4.008586	4.433913
Cntd1	0.610488	0.121753	0.109623	0.179931
Cntf	0	1.018761	0	0
Cntfr	0.593564	0.127414	0.121585	1.837554
Cntln	0.052858	0.212518	0.204513	0.584914
Cntn1	0	0	0	0
Cntn2	0	0.026699	0	0
Cntn3	0	0	0	0
Cntn4	0	0	0	0
Cntn5	0	0	0	0
Cntn6	0	0	0	0
Cntnap1	0.471011	1.39329	1.501631	1.049977
Cntnap2	0	0	0	0.024819
Cntnap3	0	0	0	0
Cntnap4	0	0	0	0
Cntnap5a	0	0	0	0
Cntnap5b	0	0	0	0
Cntnap5c	0	0	0	0
Cntrl	5.990393	9.286328	7.562923	5.073616
Cntrob	3.680474	7.734218	7.415277	5.234969
Coa3	45.357029	96.164093	129.188217	133.959885
Coa4	5.859356	14.526866	20.709118	26.124594
Coa5	12.217826	18.49114	15.950083	16.209845
Coa6	13.131316	27.419872	29.600166	33.486099
Coa7	2.734325	2.682831	2.263937	3.29235
Coasy	16.972588	18.117777	17.870691	14.46323
Cobl	0	0.08761	0	0.11351
Cobll1	16.814043	10.324857	9.302359	7.772745
Coch	0	0	0	0
Cog1	8.261481	12.130737	8.874279	10.968843
Cog2	11.678689	12.164128	12.386018	12.217048
Cog3	12.200971	10.316492	8.898517	10.177322
Cog4	32.670971	32.927063	25.52779	26.863615
Cog5	2.537201	4.961199	5.45449	2.815212
Cog6	6.053077	10.367258	11.629165	10.928576
Cog7	5.733899	9.279023	5.921516	5.655264
Cog8	7.493263	11.976595	6.764977	11.968033
Coil	4.730432	4.695868	4.476026	4.788778
Col10a1	0.459128	0.253759	0.219622	1.21563
Col11a1	3.962927	2.753314	1.067167	5.195043
Col11a2	1.424237	0.766775	0.061497	0.553772

Col12a1	21.62406	21.874077	2.95223	14.878824
Col13a1	0	0.528707	0.142092	0.250225
Col14a1	0.246951	4.997857	3.696747	3.099124
Col15a1	9.983876	27.801044	14.615846	63.865112
Col16a1	38.540386	65.667023	46.623405	40.316952
Col17a1	0.12525	0.068838	0.014595	0.083134
Col18a1	38.040349	100.648781	55.381943	38.29103
Col19a1	0	0	0	0
Col1a1	356.622253	493.257172	227.316269	864.305298
Col1a2	356.69223	678.572144	453.24057	698.334473
Col20a1	2.518205	0.629106	0.068963	0.915257
Col22a1	0	0.103764	0	0
Col23a1	0.096222	0.276318	0	0.756546
Col24a1	0	0.617399	0.055196	0.05476
Col25a1	0	0	0	0
Col26a1	0	0	0	0
Col27a1	0.968758	1.472218	0.587066	2.258514
Col28a1	0.058574	0.100171	0.1161	0.150391
Col2a1	0.077233	0	0	0
Col3a1	196.598862	326.292633	117.781952	683.450195
Col4a1	153.230591	86.030052	61.908165	97.570457
Col4a2	95.389809	53.738022	36.762936	63.08662
Col4a3	0.017268	0.049284	0	0.06032
Col4a3bp	6.24175	11.351006	9.112258	7.87364
Col4a4	0.050773	0.080206	0	0.029735
Col4a5	8.252272	10.705753	10.301548	5.850601
Col4a6	6.456186	10.404161	10.451641	4.111692
Col5a1	70.077881	98.66748	50.889618	124.083885
Col5a2	51.893475	71.871483	37.895432	61.646824
Col5a3	5.265478	19.93471	6.681398	17.719078
Col6a1	220.123932	281.255737	185.185211	184.769272
Col6a2	102.814995	205.030563	122.68576	134.575089
Col6a3	13.456877	66.750395	33.934174	42.835243
Col6a4	0	0	0	0
Col6a5	0	0	0	0.110463
Col6a6	0.020106	0	0	0
Col7a1	8.473095	23.791216	11.623187	7.59182
Col8a1	15.878027	53.345612	27.677818	49.412918
Col8a2	0.498249	4.540369	0.214658	1.647888
Col9a1	0	0	0	0
Col9a2	0	0	0	0
Col9a3	0.104239	0.295833	0	0.320061
Colec10	0	0	0	0.125189
Colec11	0.711363	0.276109	0	3.224349
Colec12	40.333065	40.147079	26.776352	40.862305
Colgalt1	38.331043	99.694496	86.581802	99.318726
Colgalt2	0	0.296667	0.217881	0.083573
Colq	0.208355	0	0	0.061421
Commd1	72.30912	92.55809	126.015312	106.835655

Commd10	10.586701	16.465702	16.950546	13.456258
Commd2	27.302607	31.933332	45.2201	41.583656
Commd3	65.668747	64.205406	103.861671	101.897079
Commd4	43.020718	46.811749	48.998802	44.50457
Commd5	15.768622	22.260813	22.336115	25.149776
Commd6	27.346774	11.808168	21.468338	19.939013
Commd7	7.763402	11.72968	11.939971	14.791613
Commd8	8.734066	12.117769	14.015534	13.809303
Commd9	14.312935	17.610426	18.091654	17.210791
Comp	0.054184	2.481834	0.032953	0.17559
Comt	35.833466	40.347088	50.515126	56.987529
Comtd1	4.206688	6.39127	6.758354	7.267371
Copa	60.627918	63.343552	45.548412	52.326305
Copb1	33.321945	28.449358	27.488075	28.207943
Copb2	45.540127	50.519802	38.827732	44.505219
Cope	109.362335	86.535622	91.246239	101.419792
Copg1	35.524934	50.926317	39.064605	40.871164
Copg2	6.300389	7.458426	7.639771	6.916076
Coprs	5.155611	10.506686	10.74151	15.607524
Cops2	32.48309	28.68458	29.558413	20.278404
Cops3	37.442665	47.95631	59.735538	47.428356
Cops4	49.461514	49.950851	59.695831	41.619987
Cops5	34.756207	54.606761	83.069459	59.379192
Cops6	83.499847	78.770226	85.698166	94.044662
Cops7a	60.113598	59.915836	61.134768	60.851026
Cops7b	8.379862	15.387592	12.733568	11.633813
Cops8	46.002842	39.986687	28.637026	32.828018
Copz1	61.004448	55.165958	46.686222	59.109535
Copz2	53.958755	42.354828	34.250546	54.957249
Coq10a	4.049802	4.823245	3.935283	5.526138
Coq10b	6.931042	7.029032	4.260219	10.757718
Coq2	14.089538	26.077362	33.138714	23.77923
Coq3	4.754773	6.977833	8.240263	6.453701
Coq4	2.949808	5.685076	6.01112	5.337142
Coq5	8.707272	16.728672	14.474785	12.509432
Coq6	19.887661	20.413149	22.756973	15.051648
Coq7	8.806259	20.040262	18.094124	15.341874
Coq9	22.210888	27.655664	36.253956	26.447592
Corin	0	0	0.040503	0
Coro1a	20.519831	62.366461	71.267436	67.274981
Coro1b	97.789055	105.179131	109.606491	117.143608
Coro1c	78.096176	91.303642	62.175106	73.733475
Coro2a	1.601031	3.107044	3.309221	6.220369
Coro2b	0.962715	0.755701	0.318822	1.192563
Coro6	17.218802	6.308665	8.492903	3.050021
Coro7	9.020738	11.077633	12.972848	11.322886
Cort	0	0	0	0
Cotl1	47.414589	108.953789	110.088158	168.778687
Cox10	7.262743	9.615067	6.512305	5.811087

Cox11	5.713392	4.195926	5.588151	4.953852
Cox14	88.28685	68.170914	110.045593	128.655975
Cox15	5.017111	7.844939	7.398656	5.310839
Cox16	19.816045	57.707193	37.655729	27.36124
Cox17	133.331802	173.017426	216.555573	282.126862
Cox18	8.992318	7.337063	8.236107	8.149794
Cox19	20.806244	27.789665	32.913723	40.15794
Cox20	27.466436	18.725502	27.144554	34.060715
Cox4i1	1382.675016	846.113175	1290.210602	1273.56485
Cox4i2	14.052393	1.836442	2.758084	7.410169
Cox5a	124.118431	147.639603	182.605072	168.243958
Cox5b	192.262115	275.932281	346.992065	277.415558
Cox6a1	388.039917	368.282074	456.64505	459.575256
Cox6a2	1.276327	13.935193	1.157694	1.741593
Cox6b1	430.675842	353.249146	573.634399	514.315186
Cox6b2	0	1.72224	0	3.348453
Cox6c	251.179611	245.12439	423.536987	397.030914
Cox7a1	5.728065	13.969823	11.669146	14.839635
Cox7a2	170.607742	236.313248	368.267853	320.189392
Cox7a2l	227.204895	141.293305	150.714059	174.856811
Cox7b	205.347687	296.536194	507.035522	367.001251
Cox7b2	0	0	0	0
Cox7c	295.96817	270.358032	418.8797	417.780487
Cox8a	496.980225	369.586853	494.196777	502.684967
Cox8b	0	8.167839	0	0
Cox8c	0	0	0	0
Cp	18.452387	21.950025	24.268752	36.466621
Cpa1	0	0	0	0
Cpa2	0	0	0	0
Cpa3	0	0.360922	0.03389	0.238085
Cpa4	0	0	0	0
Cpa5	0	0	0	0
Cpa6	0	0	0	0
Cpb1	0	0	0	0
Cpb2	0	0.143826	0	7.140444
Cpd	6.612906	13.353826	11.428993	9.465272
Cpe	302.973877	278.026917	245.886017	268.899658
Cpeb1	2.50264	1.328617	0.20557	1.955653
Cpeb2	3.22906	2.197452	2.061473	2.965428
Cpeb3	0.132588	0.222889	0.1649	0.263495
Cpeb4	1.82546	2.091125	1.666742	2.369485
Cped1	0.315404	1.240352	0.327684	2.202826
Cphx1	0	0	0	0
Cphx2	0	0	0	0
Cplx1	0.108211	0	0	0
Cplx2	0.548099	0.223738	0.259399	1.658223
Cplx3	0	0	0	0
Cplx4	0	0	0	0
Cpm	0.08585	0.057062	0.123223	0.076274

Cpn1	0	0	0	6.107889
Cpn2	0.073398	0.110872	0	1.405944
Cpne1	14.561985	12.734953	16.936126	13.474322
Cpne2	16.524229	13.560635	10.651237	11.321218
Cpne3	5.100177	8.834151	7.81485	5.961965
Cpne4	0	0	0	0
Cpne5	0.089135	0	0.056392	0.311621
Cpne6	0	0	0	0
Cpne7	0.082419	0.034578	0.061424	0.120672
Cpne8	6.96178	8.237418	7.497747	10.642147
Cpne9	0	0	0	0
Cpox	4.865999	6.797515	5.985153	6.773118
Cpped1	9.644858	8.762991	8.131897	9.068824
Cpq	17.141502	22.777847	32.154684	30.295012
Cps1	0	0	0.035413	0.414645
Cpsf1	25.737873	30.870899	22.693121	16.398887
Cpsf2	8.51729	20.285896	16.735239	12.676705
Cpsf3	26.086399	40.659176	41.60498	35.87606
Cpsf3l	22.516371	27.622593	25.441456	20.844788
Cpsf4	17.270035	18.791109	17.285152	19.924959
Cpsf4l	0	0.785039	0.125886	0.601093
Cpsf6	17.960545	13.775837	11.225351	10.354109
Cpsf7	32.73225	33.322677	28.479546	22.509354
Cpt1a	13.640055	10.672909	10.684136	11.897643
Cpt1b	0.085615	0.276614	0	0.405929
Cpt1c	3.062326	5.368261	4.270443	4.675775
Cpt2	5.649598	9.522109	9.356086	8.449789
Cptp	3.257702	6.681291	5.35753	6.031679
Cpvl	0	0	0	0
Cpxcr1	0	0	0	0
Cpxm1	11.340628	3.720743	1.680581	37.252571
Cpxm2	0.226145	5.300899	0	0.198223
Cpz	1.29864	0.732595	0	1.957748
Cr1l	12.923472	21.93993	26.892195	21.182434
Cr2	0	0	0	0
Crabp1	0	0.801197	0	0.21712
Crabp2	17.656706	18.761705	18.760769	32.806942
Cracr2a	0.376813	0.706943	1.031648	0.578093
Cracr2b	4.0027	2.827365	2.405554	3.490041
Cradd	1.903281	2.189841	3.773416	3.412009
Cramp1l	7.375855	8.075113	5.82493	6.281499
Crat	7.376355	10.374662	6.560637	8.427469
Crb1	0	0	0	0
Crb2	0.155362	0	0.015455	0.036315
Crb3	0	0	0	0.848892
Crbn	14.393694	4.872813	10.229378	6.635109
Crcp	11.018785	16.993847	19.591766	15.84622
Crct1	0	0	0	0
Creb1	3.271168	2.827172	3.825021	2.087321

Creb3	31.585472	20.623299	19.353239	29.849705
Creb3l1	5.143219	2.04491	1.5152	10.28831
Creb3l2	12.30461	19.3384	12.728866	13.494693
Creb3l3	0.757675	0.203936	0.086276	5.205412
Creb3l4	0.350544	0.404825	0.538335	0.230431
Creb5	1.574304	2.577726	1.118639	1.486
Crebbp	11.195687	8.965972	6.804691	7.138167
Crebl2	3.67123	2.159712	2.014771	3.110597
Crebrf	6.286304	2.186813	3.400832	3.279387
Crebzf	11.378667	12.079445	11.825755	8.58119
Creg1	13.906265	16.094063	23.783758	35.857929
Creg2	0.290199	0.204279	0.169489	0.317358
Creld1	13.418122	12.691373	14.038519	14.33961
Creld2	23.025011	22.325516	20.003345	23.803436
Crem	1.284175	3.14562	3.241058	4.862053
Crh	0	0	0	0
Crhbp	0	0	0	0
Crhr1	0	0	0	0
Crhr2	0	0.344459	0	0.042995
Crim1	9.540358	10.413826	10.046302	6.628591
Crip1	61.692547	209.300293	259.636261	391.682007
Crip2	19.510822	27.459908	11.626863	25.015228
Crip3	0	0	0	0
Cript	20.108868	27.900839	33.004498	34.329319
Crisp1	0	0	0	0
Crisp2	0	0	0	0
Crisp3	0	0	0	0
Crisp4	0	0	0	0
Crispld1	0	0	0	0
Crispld2	7.921345	3.865691	1.348079	1.766755
Crk	10.29597	29.400567	25.318517	24.791128
Crkl	12.067259	13.235501	10.193666	9.87938
Crlf1	154.506683	107.24678	41.778763	147.335266
Crlf2	10.970381	11.315182	9.45444	17.983113
Crlf3	11.995036	21.855276	21.502427	16.064726
Crls1	14.691113	13.994859	22.975978	21.911653
Crmp1	0.461633	1.090232	0.394824	0.615692
Crnde	2.288998	1.736996	3.151353	1.234247
Crnkl1	10.170367	12.627628	10.556839	12.192516
Crnn	0	0	0	0
Crocc	3.918818	2.926235	2.611009	2.285302
Crot	7.367272	12.618752	14.780395	15.483232
Crp	0	0	0	2.766572
Crtac1	0	0	0	0
Crtam	0.260677	0	0	0
Crtap	55.912384	71.072479	68.897385	95.110222
Crtc1	5.958247	7.639348	5.453802	5.273973
Crtc2	45.236485	27.869926	23.737717	26.607735
Crtc3	9.928322	8.259586	5.548875	8.156655

Crx	0.118912	0	0	0
Crxos	0	0	0	0
Cry1	9.78925	9.991778	7.398029	8.171095
Cry2	11.213455	6.576095	4.995318	5.592237
Cryaa	0.689024	0	0	1.172884
Cryab	159.263947	32.925789	23.46819	41.77588
Cryba1	0	0	0	0
Cryba2	0	0	0	0
Cryba4	0	0.944116	1.550704	0.613365
Crybb1	0.278518	0	0	0.265949
Crybb2	0	0	0	0
Crybb3	1.068487	1.536402	1.364656	3.45401
Crybg3	2.211158	2.722517	3.194706	2.912699
Cryga	0	0	0	0
Crygb	0	0	0	0
Crygc	0	0	0	0
Crygd	0	0	0	0
Cryge	0	0	0	0
Crygf	0	0	0	0
Crygn	0	0	0	0
Crygs	0	0	0	0
Cryl1	2.195794	4.22964	7.7837	9.558621
Crym	0	0	0	0
Cryz	30.074862	24.596525	32.996014	15.830941
Cryzl1	21.509241	44.186577	54.645243	36.658482
Cs	50.390022	67.427803	59.981346	51.328373
Csad	5.90683	7.221951	6.707139	10.352981
Csdc2	0.496205	0.999434	0.312986	1.607361
Csde1	116.002571	126.126415	137.056282	115.789177
Cse1l	6.061633	19.88817	16.210817	13.667771
Csf1	22.347455	88.25992	90.973148	37.679452
Csf1r	14.304107	52.344898	56.033997	46.981079
Csf2	1.96042	6.553671	5.405636	9.17605
Csf2ra	11.200834	31.689972	35.525486	40.703148
Csf2rb	10.001185	26.585661	23.177847	40.529755
Csf2rb2	3.647597	8.116025	5.878092	11.509616
Csf3	0.609823	0.663262	0.541913	0.077221
Csf3r	0.387597	1.615265	1.648365	2.886267
Csgalnact1	3.80845	13.543339	8.372611	7.356619
Csgalnact2	8.115643	12.608346	12.042209	11.190529
Csk	31.354963	74.759375	45.833165	56.259519
Csl	0.406104	0.792409	0.755344	0.489338
Csmd1	0	0	0	0.004065
Csmd2	0.031335	0	0.013609	0
Csmd2os	0	0	0	0
Csmd3	0	0	0	0
Csn1s1	0	0	0	0
Csn1s2a	0	0	0	0
Csn1s2b	0	0	0	0

Csn2	0	0	0	0
Csn3	0.279266	0	0.226938	0.215648
Csnk1a1	77.23822	82.823517	75.857353	80.138023
Csnk1d	76.902528	53.555836	44.008638	45.650584
Csnk1e	109.246403	69.474213	48.367179	51.023926
Csnk1g1	3.963645	5.575942	5.429054	4.350192
Csnk1g2	49.541006	60.548309	45.713246	50.290686
Csnk1g3	6.00695	12.342208	9.590762	9.343205
Csnk2a1	34.118095	33.354862	26.131741	24.833385
Csnk2a2	17.775291	14.508566	11.432401	13.915393
Csnk2b	113.203893	105.035609	87.133684	103.215293
Csnka2ip	0	0	0	0
Cspg4	1.43428	4.412863	2.079191	2.442231
Cspg5	0.134158	0	0.038162	0.146245
Cspp1	3.627751	5.913287	5.335009	5.084877
Csprs	0	0	0	0
Csrnp1	16.512199	6.310001	3.833611	6.602612
Csrnp2	3.328273	4.80476	2.863602	3.860927
Csrnp3	0	0	0	0
Csrp1	92.266327	99.825958	73.967155	121.12841
Csrp2	141.491211	106.436974	104.098724	229.245651
Csrp2bp	8.596848	10.969159	10.160261	10.255249
Csrp3	0	9.941997	0.159485	0
Cst10	0	0	0	0
Cst11	0	0	0	0
Cst12	0	0	0	0
Cst13	0	0	0	0
Cst3	548.853699	553.3396	674.651062	715.844604
Cst6	0.757465	1.098861	1.556229	1.571033
Cst7	0	0.300071	0	0.529022
Cst8	0	0	0	0
Cst9	0	0	0	0
Csta1	0	0	0	0
Cstad	1.506641	1.495491	1.299454	2.391272
Cstb	436.482819	292.266876	424.734406	446.979126
Cstf1	18.431612	17.766171	13.274453	12.949825
Cstf2	8.341265	12.281039	9.495971	6.762343
Cstf2t	8.247936	10.460647	8.413457	9.734116
Cstf3	6.933597	10.301908	11.288671	9.633661
Cstl1	0	0	0	0
Ctag2	0	0	0	0
Ctage5	41.631284	39.582171	36.135051	34.601331
Ctbp1	72.934507	80.353264	69.333801	72.76748
Ctbp2	16.458928	23.506701	17.237921	17.310956
Ctbs	3.876655	7.012923	8.999961	5.470966
Ctc1	13.504167	16.158899	14.805626	9.842219
Ctcf	12.787909	23.148989	19.283525	16.706394
Ctcfl	0	0	0	0
Ctcflos	0	0	0	0.050095

Ctdnep1	58.727131	65.252747	56.204422	68.176323
Ctdp1	11.31189	11.821117	7.039509	8.487293
Ctdsp1	24.428638	36.419422	27.966261	32.793453
Ctdsp2	50.942399	38.596533	26.068812	32.243982
Ctdspl	13.569014	10.073611	6.220199	14.553689
Ctdspl2	3.466775	4.806469	4.350316	4.058788
Ctf1	1.422362	1.552462	1.935024	3.074311
Ctf2	0	0	0	0.193478
Ctgf	389.427521	209.782394	240.530624	215.120804
Cth	4.961471	12.218994	13.482214	9.395217
Cthrc1	3.736715	32.116619	4.17794	90.183891
Ctif	5.458018	5.579303	4.155512	5.093451
Ctla2a	172.123268	34.062529	28.382864	82.41181
Ctla2b	10.74294	10.040454	11.252291	9.682819
Ctla4	0.22457	0	0	0.12011
Ctnna1	89.046631	84.838165	58.492393	68.335518
Ctnna2	0	0	0.059615	0.028108
Ctnna3	0	0	0	0
Ctnnal1	3.875091	5.611758	6.902492	4.175187
Ctnnb1	98.676888	159.064667	132.146607	134.761551
Ctnnbip1	8.560427	12.266387	10.271228	10.234529
Ctnnbl1	16.191931	16.188925	13.485876	13.339973
Ctnnd1	39.294628	42.4419	27.675641	32.363774
Ctnnd2	0	0.085628	0.038757	0.038657
Ctns	6.499006	8.777455	8.469374	10.354722
Ctps	24.887863	36.379612	27.814379	21.292133
Ctps2	8.00786	7.386507	9.236782	5.697688
Ctr9	12.843996	14.640111	10.246891	10.378323
Ctrb1	0	0	0	0
Ctrc	0	0	0	0
Ctrcos	0	0	0	0
Ctrl	0	0.382242	0	1.089214
Cts3	0	0	0	0
Cts6	0	0	0	0
Cts7	0	0	0	0
Cts8	0	0	0	0
Cts8-ps	0	0	0	0
Ctsa	128.40319	112.443035	116.171817	155.903168
Ctsb	149.162857	234.736191	205.952499	262.121857
Ctsc	20.83975	138.244583	123.320488	210.597977
Ctsd	435.297485	724.21344	687.082458	1295.985474
Ctse	0.373994	0.299937	1.037175	0.995132
Ctsf	4.704448	2.463807	2.111955	8.096087
Ctsg	0	0	0	0
Ctsh	51.296558	76.37326	103.671776	163.918182
Ctsj	0	0	0	0
Ctsk	34.582325	14.68078	36.28466	49.307358
Ctsl	613.068481	589.045166	636.255249	795.33252
Ctsll3	0	0	0	0

Ctsm	0	0	0	0
Ctso	4.170224	5.431248	6.365738	5.724206
Ctsq	0	0	0	0
Ctsr	0	0	0	0
Ctss	153.377977	343.394493	467.144394	624.619407
Ctsw	0	0.980509	0.16374	0.332304
Ctsz	177.187927	187.65535	192.184952	264.853607
Cttn	84.217245	127.016272	87.767574	72.622469
Cttnbp2	0	0	0	0.017224
Cttnbp2nl	6.91939	25.982071	20.483091	18.845882
Ctu1	3.192641	4.944106	3.482271	4.888636
Ctu2	10.566286	14.860462	8.674839	9.681103
Ctxn1	26.132486	34.029339	29.572943	25.268253
Ctxn2	0	0	0	0
Ctxn3	0	1.350497	0	0
Cubn	0.019293	0.091764	0.020975	0.073428
Cuedc1	27.241083	17.324666	16.652237	15.254262
Cuedc2	28.235404	54.420375	63.100435	34.061604
Cul1	25.751009	32.406994	26.762676	27.240582
Cul2	6.993202	8.622226	10.47121	7.395892
Cul3	37.376236	30.858011	24.764265	18.090199
Cul4a	29.725409	40.248058	33.920525	31.432796
Cul4b	8.710793	9.733565	9.722663	6.709219
Cul5	1.977653	4.220695	3.926642	2.795741
Cul7	22.113234	21.534815	16.27174	15.246769
Cul9	0.254428	0.345566	0.170405	0.70024
Cuta	65.047967	60.016883	66.652332	67.884674
Cutal	0.083714	0	0	0.63754
Cutc	3.91079	3.637374	4.224294	4.48608
Cux1	34.0245	37.223984	28.464034	26.40766
Cux2	0.057634	0	0	0
Cuzd1	0	0	0	0
Cwc15	58.036034	78.630806	67.388626	83.437943
Cwc22	5.160649	8.124469	4.498134	6.419969
Cwc25	10.45622	8.576256	7.340262	7.593899
Cwc27	11.463045	10.477783	8.931658	7.974076
Cwf19l1	4.144137	5.74048	5.478891	4.043203
Cwf19l2	4.771964	3.930815	3.343595	4.358271
Cwh43	0	0	0	0
Cx3cl1	27.253275	53.616356	37.967533	41.611065
Cx3cr1	0.427542	13.549334	12.799639	3.128844
Cxadr	3.72749	1.547897	3.833177	3.370544
Cxcl1	25.484112	5.216643	14.848996	9.178469
Cxcl10	0.719587	4.421339	0.35096	2.942972
Cxcl11	0	0	0.090647	0
Cxcl12	9.821823	10.382086	7.537793	19.160738
Cxcl13	0.341165	0	1.1809	0
Cxcl14	31.921898	50.718105	29.836536	182.250931
Cxcl15	0	0	0	0

Cxcl16	4.763967	22.001558	14.743658	23.639986
Cxcl17	0.193	0	0	0.584506
Cxcl2	22.207718	3.703543	6.483128	3.809886
Cxcl3	5.852715	2.299547	3.573015	3.272635
Cxcl5	0.12209	0.713296	0.147391	0.264838
Cxcl9	0	3.158671	0	0.119616
Cxcr1	0	0	0	0
Cxcr2	0.057647	0.111173	0.7647	0.490593
Cxcr3	0	0.210957	0	0.176523
Cxcr4	12.833823	22.13097	35.335575	22.429123
Cxcr5	0	0.526014	0.10969	0.559102
Cxcr6	0.307381	3.035689	1.476821	2.052724
Cxx1a	3.278997	5.878507	3.754823	5.926033
Cxx1b	3.259993	6.107101	4.363372	6.449781
Cxx1c	2.301077	2.939611	2.048065	5.238125
Cxxc1	22.395023	23.925535	17.494658	16.766291
Cxxc4	0.105729	0.154736	0.01753	0.178065
Cxxc5	9.606066	12.575263	5.003049	16.698694
Cyb561	2.746154	3.12005	2.198964	5.069426
Cyb561a3	8.099311	10.77522	8.884256	11.649013
Cyb561d1	2.42344	2.256661	2.785709	2.670378
Cyb561d2	2.008122	6.304481	4.797071	6.26034
Cyb5a	58.696224	71.985092	87.591705	112.281136
Cyb5b	18.881212	38.682877	33.136436	27.192404
Cyb5d1	1.577925	5.4526	4.144198	4.377749
Cyb5d2	1.46855	4.14156	2.335256	3.321424
Cyb5r1	74.517166	82.962502	67.641388	74.793785
Cyb5r2	0	0	0	0.062818
Cyb5r3	222.496017	181.099228	188.629578	219.683731
Cyb5r4	8.429542	15.563042	16.747589	14.520322
Cyb5rl	0.644256	2.219185	2.41455	2.105712
Cyba	115.294746	164.185528	274.957473	357.623248
Cybb	6.298423	12.137589	17.16124	19.855293
Cybrd1	0.085635	0	0.028365	0.08604
Cyc1	76.841904	100.674034	102.619308	103.330711
Cycs	8.743548	24.722546	22.802895	24.219992
Cyct	0	0	0	0
Cyfip1	14.120559	25.284677	20.23106	18.60985
Cyfip2	0.022322	0.13353	0.073937	0.068908
Cygb	6.368843	5.199942	3.301659	35.636917
Cyhr1	42.585703	31.797628	29.66036	37.147088
Cylc1	0	0	0	0
Cylc2	0	0	0	0
Cyld	2.847359	4.303035	3.60587	2.826129
Cym	0	0	0	0
Cyp11a1	0	0	0	0.117352
Cyp11b1	0	0	0	0
Cyp11b2	0	0	0	0
Cyp17a1	0	0	0	0

Cyp19a1	0	0	0	0
Cyp1a1	0	0	0	0.042995
Cyp1a2	0	0	0	0.452403
Cyp1b1	2.096067	0.512985	0.940793	2.86021
Cyp20a1	19.420658	31.331179	35.556023	23.247486
Cyp21a1	0.154615	0	0	0.521172
Cyp24a1	0	0	0	0.034751
Cyp26a1	0	0.571753	0	0.385435
Cyp26b1	27.518639	0.559406	1.256203	4.732631
Cyp26c1	0	0	0	0
Cyp27a1	1.100854	2.337505	4.170221	5.385846
Cyp27b1	0.467417	0.052576	0.141291	0.161655
Cyp2a12	0	0	0	1.858624
Cyp2a22	0	0	0	0
Cyp2a4	0	0	0	0.636051
Cyp2a5	0	0	0	0
Cyp2ab1	2.134229	0	0.162039	0.548981
Cyp2b10	0	0	0	0
Cyp2b13	0	0	0	0.293517
Cyp2b19	0	0	0	0
Cyp2b23	0	0	0	0
Cyp2b9	0	0	0	0.493126
Cyp2c29	0	0	0	0.162495
Cyp2c37	0	0	0	0
Cyp2c38	0	0	0	0
Cyp2c39	0	0	0	0.092936
Cyp2c40	0	0	0	0
Cyp2c44	0	0	0	1.989944
Cyp2c50	0	0.089749	0	1.516646
Cyp2c53-ps	0	0	0	0
Cyp2c54	0	0	0	0.278425
Cyp2c55	3.667358	4.347407	7.302997	3.19175
Cyp2c65	0	0	0	0
Cyp2c66	0	0	0	0
Cyp2c67	0	0	0	0.35384
Cyp2c68	0	0	0	0.484077
Cyp2c69	0	0	0	0
Cyp2c70	0	0	0	4.051146
Cyp2d10	0	0	0	6.908537
Cyp2d11	0	0	0	0
Cyp2d12	0	0	0	0
Cyp2d13	0	0	0	0.851375
Cyp2d22	4.312581	1.637223	1.459846	5.190179
Cyp2d26	0.178536	0.231789	0	6.344421
Cyp2d34	0	0	0	0
Cyp2d37-ps	0	0	0	1.566893
Cyp2d40	0	0	0	0
Cyp2d9	0.218907	0	0	2.509311
Cyp2e1	0.4944	2.165515	0	17.938879

Cyp2f2	0	0.150755	0	0.058681
Cyp2g1	0	0	0	0
Cyp2j11	0	0	0	0
Cyp2j12	0	0	0	0
Cyp2j13	0	0	0	0
Cyp2j5	0	0	0	0.975496
Cyp2j6	1.211138	1.992207	2.182346	2.754219
Cyp2j8	0	0	0	0
Cyp2j9	0	0	0	0.089573
Cyp2r1	0	0	0	0
Cyp2s1	1.33095	0.465999	0.855318	0.63699
Cyp2t4	0	0.161072	0	0
Cyp2u1	0.148811	0.269874	0.160234	0.360938
Cyp2w1	0	0	0	0
Cyp39a1	0.961728	1.383877	1.700976	1.625313
Cyp3a11	0.046289	0.451913	0	4.77333
Cyp3a13	0	0	0	0.88548
Cyp3a16	0	0	0	0
Cyp3a25	0	0	0	0.156636
Cyp3a41a	0	0	0	0
Cyp3a41b	0	0	0	0
Cyp3a44	0	0	0	0
Cyp3a57	0	0	0	0
Cyp3a59	0	0	0	0.071888
Cyp46a1	2.310533	0.359783	1.235593	2.167901
Cyp4a10	0	0	0	0.137022
Cyp4a12a	0	0	0	0
Cyp4a12b	0	0	0	0
Cyp4a14	0.13903	0	0	0.093055
Cyp4a29	0	0	0	0
Cyp4a30b	0	0	0	0
Cyp4a31	0	0	0	0.050278
Cyp4a32	0	0	0	0
Cyp4b1	0	0	0	0
Cyp4b1-ps2	0	0	0	0
Cyp4f13	16.928936	11.610267	12.529659	12.626596
Cyp4f14	0	0	0	0.626572
Cyp4f15	0	0	0	0.081636
Cyp4f16	7.082108	12.16371	12.562257	14.237352
Cyp4f17	2.24652	2.535856	3.66355	2.997421
Cyp4f18	6.043163	11.265176	14.360947	15.863658
Cyp4f37	0	0	0	0
Cyp4f39	0	0	0	0
Cyp4f40	0	0	0	0
Cyp4f41-ps	0	0.316002	0.352443	0.360055
Cyp4v3	4.641519	4.428904	5.992601	8.507076
Cyp4x1	0	0	0	0
Cyp4x1os	0	0	0	0
Cyp51	4.826931	20.902502	33.763474	11.326513

Cyp7a1	0	0.04068	0	0.083476
Cyp7b1	0	0.312111	0.090936	1.163724
Cyp8b1	0.076237	0	0.025253	0.465537
Cypt1	0	0	0	0
Cypt10	0	0	0	0
Cypt12	0	0	0	0
Cypt14	0	0	0	0
Cypt15	0	0	0	0
Cypt2	0	0	0	0
Cypt3	0	0	0	0
Cypt4	0	0	0	0
Cypt7	0	0	0	0
Cypt8	0	0	0	0
Cypt9	0	0	0	0
Cyr61	141.097458	95.291878	85.441521	115.519951
Cys1	3.173179	0.835355	0	1.106676
Cysltr1	0	1.698329	2.755602	3.087367
Cysltr2	0	0.211909	0	0.225474
Cysrt1	0	0	0	0
Cystm1	13.518714	6.664057	7.286134	6.892358
Cyth1	11.635638	7.080298	5.708523	21.559004
Cyth2	71.188755	36.173497	21.000027	22.375092
Cyth3	21.159035	19.123442	15.897449	14.39607
Cyth4	5.125511	29.428965	24.281572	46.639984
Cytip	1.978826	4.891706	5.218689	10.438417
Cytl1	0	0	0	0
Cyyr1	0	0.448388	0.165261	0.142683
D030018L15Rik	0	0	0	0
D030024E09Rik	0	0	0	0
D030025E07Rik	0	0	0	0
D030025P21Rik	0.212888	0.696105	0.332264	0.632062
D030028A08Rik	0.804275	3.527664	2.279042	2.719532
D030040B21Rik	0	0	0	0
D030045P18Rik	0	0	0	0
D030047H15Rik	0	0	0	0.16378
D030056L22Rik	13.776325	31.160942	29.020708	35.900337
D030068K23Rik	0	0.057695	0	0
D10Jhu81e	16.075237	16.744907	17.670216	19.901947
D10Wsu102e	12.513994	14.598543	12.738977	9.57938
D11Wsu47e	2.38203	5.395441	3.613921	4.062135
D130009I18Rik	0	0	0	0
D130017N08Rik	0.256926	0.231568	0.173285	0.204258
D130020L05Rik	0.534483	0.698946	3.730081	0.645033
D130040H23Rik	0	0.105966	0.220711	0.318919
D130043K22Rik	0	0	0.016331	0
D14Ertd670e	0	0	0	0
D15Ertd621e	15.582046	19.867041	15.421221	16.091179
D16Ertd472e	3.483413	4.988029	3.505729	3.503691
D16Ertd519e	0	0	0	0

D17Ertd648e	0	0	0	0
D17H6S53E	4.258904	7.71969	5.493034	8.499522
D17H6S56E-5	16.899666	61.395077	90.632278	42.862457
D17Wsu92e	46.772787	38.219323	27.280306	36.9574
D19Bwg1357e	21.67779	27.975317	23.380123	17.448486
D1Ertd622e	5.94988	9.571226	8.805378	9.253153
D1Pas1	0.014605	0	0.044356	0
D230025D16Rik	15.667686	10.038057	9.467365	10.583706
D230030E09Rik	0	0	0	0
D2hgdh	0.904694	2.322685	2.26954	1.894876
D2Wsu81e	18.769077	23.641933	17.735844	20.270258
D330023K18Rik	3.492021	1.506218	4.429199	4.16884
D330041H03Rik	0.657327	0.809102	0.624453	0.483485
D330045A20Rik	0	0.102156	0.314403	0.093167
D330046F09Rik	0	0	0.183738	0
D330050G23Rik	0	0.266052	0.190555	0.349391
D330050I16Rik	1.609891	0.748707	1.602064	1.490226
D3Ertd254e	2.49682	4.142162	3.208285	2.882289
D3Ertd751e	0.373621	0.769116	1.51721	0.824364
D430019H16Rik	1.063939	0.265162	0.025532	3.453172
D430020J02Rik	1.251149	3.01804	2.517031	2.715512
D430036J16Rik	0	0	0	0
D430041D05Rik	0	0	0	0
D430042O09Rik	2.766835	4.463603	3.834885	3.012139
D4Ertd617e	0	0	0	0
D530049I02Rik	0	0	0	0
D5Ertd577e	0	0	0	0
D5Ertd579e	5.10697	5.547714	4.075902	5.899411
D5Ertd605e	0.976774	2.94791	3.748932	2.839859
D5Ertd615e	0	0	0	0
D630003M21Rik	0.148684	0.070444	0	0.308972
D630010B17Rik	0	0	0	1.332486
D630013N20Rik	0	0	0	0
D630023F18Rik	0	0	0	0.143267
D630024D03Rik	0	0	0	0
D630029K05Rik	0	0	0.131604	0.180981
D630033O11Rik	0	0	0	0.606724
D630039A03Rik	0	0	0	0.220469
D630041G03Rik	0.027228	0	0.013528	0.031679
D630045J12Rik	0.381617	1.307961	0.977834	1.087073
D630045M09Rik	0	0	0	0.114805
D6Ertd474e	0	0	0	0
D6Ertd527e	0.704632	0.114312	0.198412	0.33813
D6Wsu163e	2.794358	10.54818	8.863528	6.98603
D730001G18Rik	0	0	0	0
D730005E14Rik	0.025828	0.359016	0.26613	0.3422
D730045A05Rik	0	0	0	0
D730048I06Rik	0	0	0	0
D730050B12Rik	0	0	0	0

D7Ertd143e	0.022202	0	0	0
D7Ertd443e	0	0	0	0
D830005E20Rik	0	0	0	0
D830013O20Rik	0	0	0	0
D830026I12Rik	0	0	0	0
D830030K20Rik	0	0	0	0
D830031N03Rik	0.892623	1.406091	1.661095	1.05038
D830032E09Rik	0	0	0	0
D830046C22Rik	0.258738	0.215054	0.500009	0.217693
D8Ertd738e	160.726486	134.08316	145.750839	177.52475
D8Ertd82e	22.950357	26.389778	11.31463	16.326361
D930007P13Rik	0	0	0	0
D930015E06Rik	16.660875	14.133907	12.927672	8.428454
D930015M05Rik	0.329069	0.672164	0.626807	0.365953
D930016D06Rik	3.398949	2.489693	3.159544	4.352309
D930020B18Rik	0	0	0	0
D930028M14Rik	0	0	0.097896	0.230019
D930032P07Rik	0	0	0	0
D930048N14Rik	1.556908	5.245384	4.835052	3.60075
Daam1	4.590066	12.131911	11.764057	6.770821
Daam2	0.843145	0.258412	0.254985	1.204331
Dab1	0	0	0	0.093008
Dab2	33.65383	62.086667	47.547011	53.730876
Dab2ip	2.588905	3.426994	3.83757	3.959932
Dach1	0.063671	0.03084	0.044951	0.053271
Dach2	0	0	0	0
Dact1	1.253106	0.376343	0.340237	1.738737
Dact2	0.227454	0.057196	0.28048	0.408859
Dact3	6.712126	6.187086	4.480518	6.469051
Dad1	110.734723	92.878348	87.8299	134.966087
Dag1	26.190372	23.875318	20.931964	18.894874
Dagla	7.292057	10.400707	5.437983	10.07073
Daglb	1.789168	6.880394	7.808823	6.286498
Dalir	0	0	0	0
Dalrd3	5.565533	12.214542	13.010914	12.216497
Dancr	4.786969	6.024882	5.664816	8.42898
Dand5	0.962719	3.145389	2.657316	4.101414
Dao	0	0	0	0
Dap	299.915771	274.149902	235.234238	262.856934
Dap3	20.689906	19.600381	19.684089	13.595747
Dapk1	3.158016	3.567005	2.687145	6.195021
Dapk2	0.165087	0.238567	0.128045	1.533822
Dapk3	20.122349	17.293405	13.610581	15.507507
Dapl1	0	0	0	0
Dapp1	1.669779	3.264692	4.33715	4.81965
Dars	25.113373	38.645846	35.972706	27.87173
Dars2	1.823491	5.741879	6.485868	4.00884
Daw1	0	0	0	0
Daxx	11.584785	14.164307	9.896531	11.705675

Dazap1	65.78626	80.720079	62.52995	60.939519
Dazap2	113.683784	87.682327	79.188522	96.174149
Dazl	0	0	0	0
Dbf4	7.227665	8.743037	22.766712	15.974177
Dbh	0	0	0	0.17669
Dbhos	0	0	0	0.035327
Dbi	118.876349	323.921118	488.664049	395.191615
Dbil5	0	1.985422	2.04275	2.409219
Dbn1	68.885549	68.2618	43.923362	60.623132
Dbndd1	0.593027	0.79074	0.484517	1.206187
Dbndd2	7.246918	9.078175	7.797151	10.418029
Dbnl	30.217545	47.30672	39.842748	42.848092
Dbp	7.279011	4.923339	2.403917	5.777813
Dbpht2	0	0	0	0.01938
Dbr1	11.531695	10.750784	8.000137	9.188141
Dbt	2.401908	5.910819	7.47303	4.92134
Dbx1	0	0	0	0
Dbx2	0	0	0	0
Dcaf10	3.069561	3.072153	3.166231	3.745952
Dcaf11	12.504068	11.585175	10.448663	12.46065
Dcaf12	21.202801	21.041365	16.504324	21.961235
Dcaf12l1	0	0	0	0
Dcaf12l2	0.034401	0	0	0
Dcaf13	38.498333	35.993	34.651421	34.646698
Dcaf15	31.380655	25.801687	22.804586	17.990904
Dcaf17	1.550097	1.886688	2.262112	2.695881
Dcaf4	13.628627	11.8307	11.797982	9.218992
Dcaf5	16.762287	12.552941	9.746033	11.941984
Dcaf6	17.641788	18.216791	16.489826	14.437593
Dcaf7	13.048145	20.247551	13.544683	12.531056
Dcaf8	39.777851	37.174274	36.944912	28.825747
Dcakd	27.768843	34.570488	24.822397	28.119287
Dcbld1	1.659778	3.291447	2.472998	2.351921
Dcbld2	8.838514	10.681133	9.326184	8.160364
Dcc	0	0	0	0
Dcdc2a	0	0	0	0.054757
Dcdc2b	0	0	0	0
Dcdc2c	0	0	0	0
Dchs1	0.185357	0.856198	0.451041	0.296166
Dck	3.803746	8.848658	9.701031	6.437612
Dclk1	6.613996	5.610078	6.978112	4.326289
Dclk2	0.613244	0.433101	0.885347	0.253009
Dclk3	0	0	0	0.165269
Dclre1a	2.44876	3.646059	3.672468	2.37989
Dclre1b	2.160412	4.994329	5.015458	4.410446
Dclre1c	1.677626	1.580893	3.986573	3.171977
Dcn	76.277269	65.289843	21.750996	123.501221
Dcp1a	5.46838	6.80109	4.937276	4.892452
Dcp1b	2.362517	2.741107	2.787941	1.507852

Dcp2	3.56112	3.793148	3.374979	3.991369
Dcpp1	0	0	0	0
Dcpp2	0	0	0	0
Dcpp3	0	0	0	0
Dcps	16.383591	28.502401	25.65386	25.457716
Dcst1	0.18552	0.064807	0.095209	0.309128
Dcstamp	0	1.010994	0.555523	0.37762
Dct	0	0	0	0
Dctd	10.699295	27.253649	26.089445	14.856075
Dctn1	40.789265	36.16057	22.365278	23.711737
Dctn2	75.566081	78.766893	78.214063	76.299268
Dctn3	59.522947	46.722542	66.72522	73.583529
Dctn4	16.893963	16.598188	13.520066	15.86038
Dctn5	28.318336	35.38393	34.605553	32.945259
Dctn6	43.889679	45.658626	39.938561	41.337257
Dctpp1	63.540859	110.111473	150.23259	133.402573
Dcun1d1	4.132836	4.494267	4.548219	4.008669
Dcun1d2	2.117839	4.461304	5.272159	4.429402
Dcun1d3	3.778657	3.347833	2.921201	3.901514
Dcun1d4	1.956612	4.040587	2.064807	3.421372
Dcun1d5	23.625916	40.503212	48.384632	49.822201
Dcx	0	0	0	0
Dcxr	6.524454	6.280204	7.263615	12.006577
Dda1	26.548335	34.581043	29.866122	36.816909
Ddah1	2.269591	5.932862	2.490258	4.754481
Ddah2	110.122642	85.096596	72.55739	64.647318
Ddb1	200.303146	231.233917	195.864853	150.033859
Ddb2	3.40855	2.942986	3.438489	2.845667
Ddc	0	0	0	0.085905
Ddhd1	3.19662	2.659278	4.198313	6.500589
Ddhd2	10.551635	11.24859	10.443067	8.007417
Ddi1	0	0	0	0
Ddi2	9.209335	18.56336	14.478014	14.304574
Ddias	0.071455	1.559701	1.677658	0.866807
Ddit3	156.530199	46.925131	42.066193	57.549815
Ddit4	217.493729	73.46875	129.632126	43.845154
Ddit4l	0.182118	1.183412	0.126196	0.558387
Ddn	0.050173	0.06716	0.026157	0.062078
Ddo	0	0.056572	0	0.270353
Ddost	93.5411	165.527191	185.344009	170.613907
Ddr1	16.760887	21.601483	16.935563	16.138107
Ddr2	19.954374	40.998955	36.649811	30.418552
Ddrgk1	79.06015	56.871311	50.387669	63.274769
Ddt	32.977531	21.617096	35.671886	36.941856
Ddx1	67.814362	71.18222	59.192162	58.010723
Ddx10	11.678385	12.46401	10.336396	7.63295
Ddx11	2.148299	8.131582	7.471797	4.100618
Ddx17	71.483941	131.495854	114.509679	107.432527
Ddx18	28.070503	37.388882	27.351051	24.798782

Ddx19a	24.712856	23.169737	20.765368	17.770344
Ddx19b	5.448017	5.644369	5.661385	5.130882
Ddx20	14.767971	13.650267	13.337792	8.776156
Ddx21	18.615	34.299622	21.342068	18.422029
Ddx23	51.470364	42.680119	33.809925	32.438259
Ddx24	35.385522	39.44176	26.67085	28.421286
Ddx25	0	0	0	0
Ddx26b	3.03027	3.786281	4.671389	3.954999
Ddx27	42.259468	44.828735	31.689169	31.62615
Ddx28	9.197848	9.030617	8.807557	8.283866
Ddx31	3.609951	7.998749	5.249517	5.831768
Ddx39	50.13969	80.830841	80.140007	70.35939
Ddx39b	225.806732	171.024109	152.565755	143.997036
Ddx3x	38.765892	45.84026	29.566566	32.61425
Ddx3y	2.808489	2.123877	0	0
Ddx4	0	0	0	0
Ddx41	17.690281	32.767998	27.765686	29.174158
Ddx42	45.075363	31.520563	28.104168	26.659607
Ddx43	0	0	0.066874	0.078827
Ddx46	14.765475	18.540342	15.517797	17.370529
Ddx47	50.645077	43.214535	41.749844	37.411842
Ddx49	19.664389	20.078861	15.43468	18.622293
Ddx5	118.51989	169.948746	137.603867	158.672806
Ddx50	39.388489	24.100426	22.527887	25.038191
Ddx51	5.270372	8.093519	6.54295	5.654757
Ddx52	8.550314	11.367809	10.431463	8.894838
Ddx54	29.385084	24.71269	17.981594	19.592882
Ddx55	5.486899	7.153224	5.019355	6.213434
Ddx56	13.146307	19.814224	15.617162	15.045939
Ddx58	2.154611	3.294049	2.288056	3.236553
Ddx59	6.597734	11.162003	9.674222	6.271181
Ddx6	14.317695	25.483899	11.038659	18.291975
Ddx60	0.073965	0.056628	0.048524	0.246544
Deaf1	21.688233	15.9156	20.237763	15.119008
Dear1	0	0	0	0
Deb1	26.950314	23.821409	34.458477	48.961464
Decr1	8.159554	12.292645	14.202634	12.723759
Decr2	7.636812	13.115334	11.426857	14.875821
Dedd	21.141193	19.560968	17.168371	21.493904
Dedd2	9.184472	2.842129	5.323736	5.984365
Def6	3.487	5.57146	5.797718	9.099655
Def8	5.978732	7.891127	9.322271	8.845862
Defa-ps1	0	0	0	0
Defa-ps12	0	0	0	0
Defa-ps13	0	0	0	0
Defa-rs1	0	0	0	0
Defa-rs7	0	0	0	0
Defa17	0	0	0	0
Defa2	0	0	0	0

Defa20	0	0	0	0
Defa21	0	0	0	0
Defa22	0	0	0	0
Defa23	0	0	0	0
Defa24	0	0	0	0
Defa25	0	0	0	0
Defa26	0	0	0	0
Defa3	0	0	0	0
Defa4	0	0	0	0
Defa5	0	0	0	0
Defa6	0	0	0	0
Defb1	0	0	0	0.253464
Defb10	0	0	0	0
Defb11	0	0	0	0
Defb12	0	0	0	0
Defb13	0	0	0	0
Defb14	0	0	0	0
Defb15	0	0	0	0
Defb18	0	0	0	0
Defb19	0	0	0	0
Defb2	0	0	0	0
Defb20	0	0	0	0
Defb21	0	0	0	0
Defb22	0	0	0	0
Defb23	0	0	0	0
Defb25	1.504101	1.013658	0	0.781835
Defb26	0	0	0	0
Defb28	0	0	0	0
Defb29	0	0	0	0
Defb3	0	0	0	0
Defb30	0	0	0	0
Defb33	0	0	0	0
Defb34	0	0	0	0
Defb35	0	0	0	0
Defb36	0	0	0	0
Defb37	0	0	0	0
Defb38	0	0	0	0
Defb39	0	0	0	0
Defb4	0	0	0	0
Defb40	0	0	0	0
Defb41	0	0	0	0
Defb42	0	0	0	0
Defb43	0	0	0	0
Defb44-ps	0	0	0	0
Defb45	0	0	0	0
Defb46	0	0	0	0
Defb47	0	0	0	0
Defb48	0	0	0.330492	1.172171
Defb5	0	0	0	0

Defb50	0	0	0	0
Defb6	0	0	0	0
Defb7	0	0	0	0
Defb8	0	0	0	0
Defb9	0	0	0	0
Degs1	58.457619	69.510735	71.56282	73.483711
Degs2	2.190058	3.926814	4.426013	5.127123
Dek	13.61502	22.267572	24.490204	14.501457
Dennd1a	4.174453	6.363934	4.269134	4.621243
Dennd1b	1.89428	3.140051	2.846923	2.603793
Dennd1c	1.63393	3.893979	3.670408	5.096272
Dennd2a	9.757997	17.787828	12.729743	10.714869
Dennd2c	0.795816	1.587057	1.253848	0.925923
Dennd2d	0.499422	0.153589	0.661249	0.953743
Dennd3	0.340731	1.024076	0.899318	1.34689
Dennd4a	5.240424	5.080934	4.612752	3.804547
Dennd4b	5.533786	6.867453	7.273034	6.994902
Dennd4c	5.467614	4.560405	4.323352	3.302316
Dennd5a	18.658724	23.838171	20.099342	19.249586
Dennd5b	1.635706	1.796005	1.704703	2.163963
Dennd6a	2.582466	2.685507	3.080737	3.617415
Dennd6b	2.235018	1.964887	2.050256	1.419661
Denr	60.240677	50.611801	59.3064	52.414375
Depdc1a	0.282343	1.453932	2.360709	0.531001
Depdc1b	0.21493	2.020819	3.025355	1.29393
Depdc5	2.409059	3.421274	3.396012	2.098159
Depdc7	0	2.140053	4.225169	1.133468
Deptor	5.125216	4.749858	4.02874	3.898387
Dera	6.998955	13.501813	18.811464	15.520854
Derl1	38.831467	31.649601	28.736658	38.065094
Derl2	9.774737	7.676621	14.490886	16.147329
Derl3	0.828375	0	0.145956	0
Des	5.390546	51.008156	2.474268	12.689866
Desi1	19.230631	26.079752	21.417402	21.401789
Desi2	8.823616	13.087841	10.525649	9.156598
Det1	4.191919	7.880494	6.488282	5.823008
Dexi	12.595109	10.902993	9.771316	13.645682
Dffa	2.253904	6.922374	5.770257	8.564113
Dffb	6.063612	4.982899	5.121983	3.62733
Dfna5	0.275379	0.268344	0.160985	0.431039
Dfnb59	0	0	0	0
Dgat1	15.877578	15.799195	13.972894	27.256659
Dgat2	1.978352	2.590589	1.605664	3.892246
Dgat2l6	0	0	0	0
Dgcr14	8.724965	13.844077	12.059645	9.872053
Dgcr2	19.711662	30.229561	23.739645	21.207087
Dgcr6	22.400582	23.624856	29.812563	27.025642
Dgcr8	6.280427	10.6092	7.053095	7.714995
Dgka	4.30045	5.038512	3.805841	5.098116

Dgkb	0	0	0	0
Dgkd	20.155401	21.698656	15.258738	13.656795
Dgke	1.717185	1.565336	1.439716	1.50938
Dgkeos	0	0	0	0
Dgkg	0.099018	0.307882	0.416357	0.276104
Dgkh	2.284564	0.859925	1.763318	0.898246
Dgki	0	0	0	0
Dgkk	0	0	0	0.025393
Dgkq	2.619445	4.127178	4.126054	3.300643
Dgkz	29.006708	31.837534	19.466538	15.933449
Dguok	10.842395	17.911143	18.263798	20.99553
Dhcr24	1.452999	17.343006	18.937317	9.664665
Dhcr7	2.556897	7.930492	9.183647	8.121255
Dhdds	6.898364	9.205007	8.802027	9.864999
Dhdh	1.085197	1.176477	2.018428	2.451499
Dhfr	0.966104	4.453769	6.369851	3.84366
Dhh	0	0	0.041607	0
Dhodh	4.924615	13.358792	12.574439	7.897696
Dhps	47.172714	52.843903	55.8466	50.861115
Dhrs1	9.689531	19.115946	17.787979	21.324375
Dhrs11	4.76531	7.810565	5.416946	6.503355
Dhrs13	2.908466	5.704865	7.420344	6.573804
Dhrs2	0	0	0	0
Dhrs3	103.37212	24.776814	33.114761	71.872963
Dhrs4	6.09631	10.608968	11.507411	15.876368
Dhrs7	24.746181	23.221533	39.367027	29.439476
Dhrs7b	14.860317	27.365304	34.286958	39.933794
Dhrs7c	0	0.187734	0	0.1419
Dhrs9	0.983461	1.883651	3.047155	1.072735
Dhrsx	12.042663	14.280836	12.336309	12.387141
Dhtkd1	0.208964	0.347112	0.186639	0
Dhx15	38.930412	39.202557	35.696582	25.638114
Dhx16	19.718859	21.269478	18.45682	16.715155
Dhx29	2.343948	4.655612	2.99659	3.438701
Dhx30	17.601689	20.289276	14.802935	13.643338
Dhx32	3.797584	10.469346	8.465023	5.942306
Dhx33	6.851853	10.771627	7.131809	7.959013
Dhx34	7.940813	5.74729	5.709687	4.996236
Dhx35	12.106807	7.853799	7.171484	6.598041
Dhx36	12.096703	12.75275	11.646605	7.540304
Dhx37	7.653091	10.690845	7.870274	7.81472
Dhx38	21.996462	18.717823	13.789588	13.690098
Dhx40	6.02154	6.139685	4.821485	5.22286
Dhx57	5.903863	8.258053	7.570781	6.2845
Dhx58	0.558124	1.295439	1.452435	3.043253
Dhx8	12.600854	15.99233	10.203404	10.594137
Dhx9	17.375725	27.418966	22.838043	18.695826
Diablo	13.135054	17.735054	17.286867	23.401123
Diap1	24.424394	26.967959	25.558496	30.696162

Diap2	1.119964	1.897275	1.649487	1.168376
Diap3	0.856547	7.4372	7.649655	2.928466
Dicer1	9.287011	9.028396	6.253565	6.854461
Dido1	3.578142	11.703223	9.818544	10.151688
Diexf	5.166865	5.477813	4.832645	4.294382
Dimt1	6.949269	8.25351	10.45483	8.480634
Dio1	0	0	0	1.672931
Dio2	0	0.327173	0.025404	0.059757
Dio3	0.318335	4.609932	1.079032	2.607185
Dio3os	0.983076	1.541016	0.139597	1.298375
Dip2a	9.555027	10.469974	7.857903	8.471077
Dip2b	3.508388	5.671632	4.758221	3.267754
Dip2c	4.958453	4.005744	3.722757	4.305024
Diras1	0.352084	0	0.18505	0.197983
Diras2	0.022794	0	0	0.173365
Dirc2	9.708151	8.737939	10.190339	12.549117
Dis3	12.142098	13.271841	13.986334	7.96273
Dis3l	6.455429	8.537429	6.286285	5.466549
Dis3l2	4.840137	5.32249	4.307609	4.708385
Disc1	0	0.26503	0.395586	0.156153
Disp1	2.927124	7.453356	5.273375	4.431909
Disp2	0.109938	0.139787	0.190856	0.423205
Dixdc1	3.004916	3.5766	3.270901	2.347324
Dkc1	17.861629	39.746376	35.406612	27.378813
Dkk1	0	0	0	0
Dkk2	4.081855	13.74472	7.623689	14.603208
Dkk3	4.037158	2.829794	0.757281	9.230207
Dkk4	0	0	0	0
Dkkl1	0.248588	0	0	0.192835
Dlat	11.542912	13.323733	12.19212	11.137218
Dlc1	3.117704	1.110882	1.064892	2.70838
Dld	50.877373	46.472683	53.495461	47.417595
Dlec1	0	0	0.018713	0
Dleu2	1.827388	2.106261	2.043576	5.122789
Dleu7	0	0	0	0
Dlg1	18.531547	16.648826	17.111703	18.3943
Dlg2	0.032015	0	0.066462	0.085967
Dlg3	12.046785	14.753891	11.232944	11.171459
Dlg4	18.645815	21.924527	15.771201	18.00307
Dlg5	9.429241	8.975767	4.4047	6.209551
Dlgap1	0.45177	0.159073	0.466531	0.172428
Dlgap2	0	0	0	0
Dlgap3	0	0	0	0
Dlgap4	46.41057	30.302513	19.144249	25.924413
Dlgap5	2.476493	10.714656	13.193068	7.839111
Dlk1	1.43093	0.108573	0.136251	0.620698
Dlk2	13.161695	6.579427	18.271036	3.803167
Dll1	0.241507	0.717049	0.121143	0.6908
Dll3	0	0	0	0

Dll4	1.83551	3.501678	3.448497	2.283834
Dlst	82.297783	89.64772	73.265381	72.554916
Dlx1	2.697371	3.3675	3.657815	4.176949
Dlx1as	1.461486	1.571063	0.359809	0.666175
Dlx2	12.48132	7.401224	4.59378	9.984796
Dlx3	0	0.097762	0.094046	0.200611
Dlx4	0	0.069937	0.108224	0
Dlx5	0	0	0.243997	0
Dlx6	0	0	0	0
Dlx6os1	0	0	0	0
Dlx6os2	0	0	0	0
Dmap1	18.111568	13.951853	11.476089	12.830654
Dmbt1	0	0	0	2.34293
Dmbx1	0	0	0	0
Dmc1	0	0	0	0
Dmd	0.063487	0.106715	0.013935	0.124702
Dmgdh	0.099262	0	0	1.18126
Dmkn	0.644124	0.573571	0.283874	0.224322
Dmp1	13.229051	6.00296	2.773004	26.387978
Dmpk	13.291343	16.909796	13.938863	12.383747
Dmr	0	0	0	0
Dmrt1	0	0	0	0
Dmrt2	0	0	0	0
Dmrt3	0	0	0	0
Dmrta1	0	0	0	0.028502
Dmrta2	0.197298	0.043192	0.133451	0.098479
Dmrtb1	0	0	0	0
Dmrtc1a	0	0	0	0
Dmrtc1b	0	0	0	0.129764
Dmrtc1c1	0	0	0	0
Dmrtc1c2	0	0	0	0
Dmrtc2	0	0	0	0
Dmtf1	12.580227	16.18992	12.09208	10.770267
Dmtn	0.560495	0.440066	0.455917	0.451357
Dmwd	31.220707	28.630692	22.357613	21.217751
Dmxl1	1.148038	1.511908	1.427887	0.979193
Dmxl2	0.797559	2.005115	1.762945	2.641015
Dna2	0.316222	5.068676	4.17317	2.531857
Dnaaf1	0	0	0	0.121311
Dnaaf2	6.040971	9.638886	8.293251	7.680744
Dnaaf3	0.176575	0.611719	1.06237	0.628843
Dnaaf5	5.195616	6.453285	4.815264	5.051201
Dnah1	0	0	0	0.026996
Dnah10	0	0	0	0.008269
Dnah11	0	0	0	0.013971
Dnah17	0.233355	0.259976	0.275516	0.287527
Dnah2	0.079456	0.017484	0.01078	0.008081
Dnah5	0	0	0	0
Dnah6	0	0	0	0

Dnah7a	0	0	0	0
Dnah7b	0	0	0.01717	0
Dnah8	0	0	0	0.015486
Dnah9	0	0	0	0
Dnaic1	0	0	0	0.337524
Dnaic2	1.406135	0.944196	0.391282	0.867987
Dnaja1	8.36284	17.84416	13.0445	17.195772
Dnaja2	44.375225	46.675278	35.034595	39.392994
Dnaja3	25.768107	31.742641	27.587592	24.669853
Dnaja4	1.448251	1.420789	0.275514	1.761529
Dnajb1	35.302823	28.727191	30.61504	23.725076
Dnajb11	37.402363	58.369759	48.780201	58.490784
Dnajb12	22.413164	24.66675	21.896975	20.762541
Dnajb13	0	0.293995	0.641501	3.060298
Dnajb14	7.721635	7.744309	6.39993	6.688413
Dnajb2	14.054557	14.482226	10.683073	10.949938
Dnajb3	0.438533	0.292037	0.145256	0.057073
Dnajb4	12.91313	10.188988	13.329562	10.634111
Dnajb5	1.888882	4.282204	1.822381	4.802672
Dnajb6	44.603158	26.250809	27.312346	27.366686
Dnajb7	0	0.142622	0	0.195762
Dnajb8	0	0	0	0.058689
Dnajb9	31.725836	13.580557	14.413288	20.954933
Dnajc1	7.346373	8.60793	7.160788	8.756549
Dnajc10	15.962296	38.886871	42.294765	40.7649
Dnajc11	13.902773	22.720552	16.40357	17.231737
Dnajc12	1.495724	3.774815	4.410244	7.191548
Dnajc13	6.303603	13.686157	10.384164	9.74849
Dnajc14	16.099115	25.339067	22.442547	25.908005
Dnajc15	19.781906	38.755142	85.379852	79.792831
Dnajc16	3.575489	4.87484	4.32829	4.400868
Dnajc17	3.970234	8.127419	9.006825	9.217278
Dnajc18	5.194989	7.062545	6.616912	7.064951
Dnajc19	35.209007	35.942732	42.803174	50.84109
Dnajc2	28.338585	34.952007	30.249517	32.460369
Dnajc21	24.224661	19.005407	13.499246	14.705437
Dnajc22	1.31985	6.152855	8.096497	7.100712
Dnajc24	10.824398	14.045241	18.868722	14.125903
Dnajc25	8.863517	7.593681	6.607621	11.016475
Dnajc27	3.529811	4.822954	4.628989	3.4622
Dnajc28	0.335875	0.730872	0.694447	1.120474
Dnajc3	15.911187	18.713045	17.128815	18.176022
Dnajc30	10.340875	11.793747	8.176689	11.850176
Dnajc4	22.757956	16.193663	17.311234	19.139553
Dnajc5	11.332252	21.381266	19.561315	19.613042
Dnajc5b	0	0	0	0
Dnajc5g	0	0	0	0
Dnajc6	0.132701	0	0.028311	0.077718
Dnajc7	36.028229	58.832172	43.428223	48.65897

Dnajc8	81.630295	96.360954	103.877144	88.794304
Dnajc9	9.091313	17.579559	25.115437	18.185247
Dnal1	2.542484	2.672236	3.071213	2.525996
Dnal4	12.682645	14.520082	13.84954	13.027498
Dnali1	0.165656	0	0	0.05565
Dnase1	0.628	1.420685	2.007657	1.307667
Dnase1l1	12.674942	15.391867	19.969856	16.19331
Dnase1l2	0.226121	1.691431	0.914188	1.773928
Dnase1l3	0	0	0	0.123859
Dnase2a	9.662513	13.741347	16.498659	25.45616
Dnase2b	0	0	0	0.12287
Dnd1	0.192708	0.722571	0.562064	1.895196
Dner	0.322357	0.267906	0.348706	0.316212
Dnlz	5.695719	13.548823	11.534346	14.186291
Dnm1	40.299259	50.434634	31.430457	32.933419
Dnm1l	9.97555	18.508677	14.69382	11.345758
Dnm2	27.424721	33.095873	23.322844	31.456878
Dnm3	0.09694	0.107064	0.039294	0.125723
Dnm3os	4.941958	4.789365	3.072031	4.40917
Dnmbp	5.934626	4.356921	4.735553	3.649737
Dnmt1	7.33319	26.306934	21.655821	13.013292
Dnmt3a	4.998889	5.835976	3.230048	5.487652
Dnmt3aos	0	0	0	0
Dnmt3b	0.331431	0.775908	0.329797	0.63374
Dnmt3l	0	0	0.399268	0.254855
Dnpep	30.332106	29.956222	29.254844	32.021131
Dnph1	3.094455	17.331108	26.350163	14.942918
Dntt	0	0	0	0
Dnttip1	30.951445	28.949593	25.458496	31.234209
Dnttip2	38.550659	45.036453	43.043453	33.473015
Doc2a	2.619032	3.286064	2.893964	3.7968
Doc2b	0.068796	0	0.092491	0.292668
Doc2g	12.098504	7.440365	8.239634	6.436344
Dock1	6.00157	7.907511	6.982344	6.687318
Dock10	2.158081	2.313154	2.224981	2.813302
Dock11	1.848153	5.069982	4.344609	2.786764
Dock2	0.591005	4.491794	5.62009	6.503638
Dock3	0.03518	0	0	0.038341
Dock4	1.875698	2.295417	1.819452	1.977649
Dock5	3.023899	5.152524	3.938838	3.715819
Dock6	4.27741	4.818132	3.788301	4.265448
Dock7	6.633438	11.13606	10.14717	7.310512
Dock8	8.563041	17.926579	14.441319	12.627626
Dock9	8.338323	6.515106	7.543685	5.681607
Dohh	22.352459	26.198513	21.94421	26.249594
Dok1	74.723146	55.813496	58.581091	55.514265
Dok2	2.549368	24.016142	22.266365	32.446564
Dok3	10.400227	14.315289	18.092918	24.098866
Dok4	3.568003	3.329839	2.47045	3.420154

Dok5	0	0	0	1.107862
Dok6	0	0	0	0
Dok7	0	0.051263	0	0
Dolk	5.311884	6.438696	7.067414	8.663724
Dolpp1	4.637422	8.871034	6.77739	9.717805
Donson	2.676377	5.923841	5.654083	4.595948
Dopey1	1.052682	1.142408	1.076571	1.078869
Dopey2	3.439983	2.933269	3.241561	4.371572
Dos	1.717784	3.124863	2.345091	3.619299
Dot1l	9.024958	10.022137	7.993172	7.115795
Doxl2	0	0	0	0
Dpagt1	11.795196	15.875875	16.887146	20.417433
Dpcd	6.577158	10.992398	9.498007	10.166088
Dpcr1	0	0	0	0.044511
Dpep1	1.48162	0.358994	0.349345	0.440307
Dpep2	32.171214	19.210903	31.342389	29.73456
Dpep3	7.276593	0	0.806539	1.390419
Dpf1	2.269754	0.92879	1.543748	0.958046
Dpf2	23.68641	24.790839	20.698912	18.486806
Dpf3	0	0	0	0
Dph1	1.573587	8.885757	7.487989	2.830313
Dph2	3.041797	8.012988	5.523365	5.843853
Dph3	13.078724	18.413476	21.518258	19.813934
Dph5	11.626944	13.909539	16.904369	9.915888
Dph6	4.125599	9.742566	8.238156	6.458429
Dph7	5.443798	5.938118	5.94188	5.767715
Dpm1	13.25367	10.005212	8.606833	11.937229
Dpm1-adnp	0	0	0	0
Dpm2	27.213165	41.85981	38.398327	41.070309
Dpm3	104.899315	74.979759	102.371483	120.462257
Dpp10	0	0	0	0
Dpp3	21.345791	30.19631	27.420023	26.811125
Dpp4	0	0.112757	0.046737	0.218746
Dpp6	0	0.520607	0.017541	0.059483
Dpp7	15.772302	29.117874	29.900146	34.284485
Dpp8	13.891531	19.249359	13.378395	17.539293
Dpp9	15.357605	24.413319	15.812203	18.971292
Dppa1	0	0	0	0
Dppa2	0	0	0	0
Dppa3	0	0.363083	0	0
Dppa4	0	0	0	0
Dppa5a	0	0	0	0
Dpt	2.016899	8.088446	2.421157	13.428017
Dpy19l1	23.355757	26.026823	23.65547	25.398945
Dpy19l2	0	0	0	0
Dpy19l3	1.350308	3.499322	3.153035	2.127322
Dpy19l4	4.350123	5.398875	5.078639	4.192708
Dpy30	81.038889	114.621132	202.694371	142.558679
Dpyd	0.033357	0	0	0.571232

Dpys	0	0	0	1.036132
Dpysl2	13.720649	14.05295	11.502348	9.521791
Dpysl3	16.128283	32.085498	18.563099	18.753782
Dpysl4	0	0	0	0
Dpysl5	0	0	0	0
DQ267100	0	0	0	0
DQ267101	0	0	0	0
DQ267102	0	1.354535	0	0
Dqx1	0.375679	3.056798	2.06701	1.60677
Dr1	7.846293	12.24264	14.879131	14.966129
Dram1	4.090265	5.401624	5.66857	9.788992
Dram2	6.911157	9.5384	15.830661	13.289596
Drap1	208.169849	165.818529	202.26128	229.814201
Draxin	0	0.024478	0.037878	0.066824
Drc1	0	0	0	0
Drc7	0	0	0	0
Drd1	0.21063	0	0.041489	0.049342
Drd2	0	0	0	0
Drd3	0	0	0	0
Drd4	0.303371	0	0	0.178901
Drd5	0	0	0	0
Dreh	0	0	0	0
Drg1	67.472588	61.018425	71.787506	71.07869
Drg2	35.105648	39.948643	30.550243	30.696882
Drosha	15.676221	26.131127	16.948332	14.184911
Drp2	0	0.25819	0.282725	0.081791
Dsc1	0	0	0	0
Dsc2	0	0	0	0.800143
Dsc3	0	0	0	0
Dscam	0	0	0	0
Dscaml1	0	0	0	0
Dscc1	0	3.096536	4.12242	2.443963
Dscr3	13.10016	19.363298	21.752123	18.815525
Dse	9.341598	15.659528	16.166546	13.197361
Dsel	1.307343	1.595553	1.215936	1.446165
Dsg1a	0	0	0	0
Dsg1b	0	0	0	0
Dsg1c	0	0	0	0.055669
Dsg2	0.319232	0	0	1.290308
Dsg3	0	0	0	0
Dsg4	0	0	0	0
Dsn1	2.771313	8.392095	8.983164	5.776239
Dsp	0.30391	0	0	1.187733
Dspp	0	0	0	0
Dst	10.425562	15.278448	13.179808	10.600148
Dstn	195.763153	146.589767	149.990768	160.526169
Dstyk	6.18047	5.473151	4.529065	5.278472
Dtd1	9.108494	10.589014	12.904964	7.617261
Dtd2	5.232437	11.419815	11.073391	10.203912

Dthd1	0	0	0	0
Dtl	3.027221	6.658254	6.667379	5.562404
Dtna	1.100668	3.076734	2.588951	0.857109
Dtnb	13.999057	14.879337	15.200593	10.279747
Dtnbp1	34.38884	29.99037	24.957205	38.59304
Dtwd1	15.804697	14.541426	20.569366	11.781539
Dtwd2	1.005472	0.59198	1.166356	0.955392
Dtx1	0.039695	0.021066	0	0.031248
Dtx2	16.298279	11.200387	8.621887	9.62207
Dtx3	54.310425	42.968338	35.973213	29.712364
Dtx3l	1.256915	2.551424	3.107574	2.990814
Dtx4	6.21205	12.145164	11.963344	6.756764
Dtymk	61.542101	108.579834	151.330277	123.670425
Duox1	0.031336	0	0	0
Duox2	0	0	0	0
Duoxa1	0.673997	0.412464	0.15531	1.671036
Duoxa2	0	0	0	0
Dupd1	0	0.307734	0	0
Dus1l	13.731087	22.700663	19.558779	15.556128
Dus2	7.067503	8.504737	8.362688	6.949396
Dus3l	16.593767	21.802713	20.00107	13.538102
Dus4l	3.978161	8.134109	9.605498	5.23878
Dusp1	72.393326	21.125269	13.190319	19.51634
Dusp10	6.185989	4.738092	4.369788	3.802493
Dusp11	20.386944	20.465759	17.932215	18.145588
Dusp12	19.377823	18.407228	27.297312	23.253374
Dusp13	0.111698	0.549832	0	0.196915
Dusp14	4.850792	9.996302	9.170423	10.85835
Dusp15	0	0	0.109391	0.0367
Dusp16	0.618846	5.843136	4.016889	5.102634
Dusp18	3.541218	8.810513	7.558633	4.199202
Dusp19	1.456028	5.786714	9.558455	9.014501
Dusp2	1.590552	3.737459	1.612775	4.356955
Dusp21	0	0	0	0
Dusp22	2.214526	2.970752	4.569332	7.864484
Dusp23	1.151993	2.221749	1.115268	2.954734
Dusp26	0	0	0	0
Dusp27	0	0.408441	0.036702	0.129786
Dusp28	4.014853	3.091147	2.439083	4.665267
Dusp3	8.308784	13.367987	13.289393	16.594063
Dusp4	55.992069	21.888863	10.748935	26.825718
Dusp5	27.249796	29.066126	17.998205	25.07605
Dusp6	32.183109	106.154648	51.584846	78.226418
Dusp7	9.690012	19.635876	15.316067	14.353493
Dusp8	0.600485	1.100795	0.538979	0.93001
Dusp9	1.711515	2.733044	3.40802	1.859106
Dut	47.000082	43.126819	58.455557	49.388111
Dux	0	0.008381	0	0.048651
Duxbl1	0	0	0.048997	0

Duxbl2	0	0	0	0
Duxbl3	0	0	0	0
Dvl1	44.800925	47.0814	36.247161	31.662986
Dvl2	15.719564	19.877213	16.491564	13.259057
Dvl3	13.616743	15.773902	9.333213	9.995845
DXBay18	0	0	0	0
Dxo	9.738025	15.487012	12.100411	13.017336
Dydc1	0	0	0	0
Dydc2	0	0	0	0
Dym	10.728436	11.310229	9.649218	10.590302
Dynap	17.63838	70.8862	48.605331	65.962189
Dync1h1	26.171354	32.122826	24.90836	24.894756
Dync1i1	0	0	0	0
Dync1i2	65.395531	47.764545	40.071197	48.31291
Dync1li1	28.245913	38.307415	25.271336	23.796522
Dync1li2	15.853627	21.114769	18.05966	23.020382
Dync2h1	0.743825	0.424617	0.661789	0.383828
Dync2li1	13.604673	23.092739	25.890978	15.569489
Dynll1	41.747677	109.461426	125.599823	117.078178
Dynll2	27.675635	19.06736	14.444699	27.492617
Dynlrb1	159.855215	138.81035	125.767816	145.19576
Dynlrb2	0	0	0	0
Dynlt1a	2.368869	6.617457	10.560946	7.492387
Dynlt1b	13.393213	39.441971	59.737965	44.133865
Dynlt1c	33.241638	108.639065	174.076096	115.168136
Dynlt1f	5.60861	3.418138	5.167949	5.316789
Dynlt3	32.243744	43.592045	54.819504	53.506241
Dyrk1a	5.368382	10.488111	8.180664	7.713441
Dyrk1b	7.698671	7.366135	5.601766	4.597493
Dyrk2	21.64863	9.196548	8.131851	9.427082
Dyrk3	4.237297	20.003519	20.089014	6.733249
Dyrk4	0	0	0	0.055999
Dysf	5.070815	4.711204	3.726076	3.597822
Dytn	0	0	0	0
Dyx1c1	0.249191	0	0	0.145549
Dzank1	0.161142	0	0.050268	0.050755
Dzip1	0.69751	1.754864	2.508326	1.704305
Dzip1l	16.265787	17.395136	14.852754	15.310648
Dzip3	0.934191	3.795924	5.725851	3.084861
E030002O03Rik	0	0	0	0
E030003E18Rik	0	0	0	0
E030011O05Rik	2.159688	4.457953	3.694503	3.078087
E030013I19Rik	0	0	0.035042	0
E030018B13Rik	0.670353	0	0.271679	0.54629
E030019B13Rik	0	0	0	0
E030024N20Rik	8.941231	13.010901	20.110132	15.082305
E030025P04Rik	0	0	0	0
E030030I06Rik	0.735245	1.773544	0.173105	2.81415
E030044B06Rik	0	0	0	0

E130006D01Rik	0	0	0	0
E130008D07Rik	0	0	0	0
E130012A19Rik	1.503782	4.160573	3.367042	3.111255
E130018N17Rik	0	0	0	0
E130102H24Rik	4.260246	0.779752	2.513571	3.637416
E130112N10Rik	0.652074	0.468897	0.534091	0.34256
E130114P18Rik	0	0	0	0
E130201H02Rik	0.381992	0.559901	0.625118	0.462058
E130215H24Rik	0	0	0	0
E130218I03Rik	0.08287	0.035044	0.098284	0
E130304I02Rik	0.586778	0	0.210443	0
E130307A14Rik	2.677094	1.849801	3.83518	1.901631
E130308A19Rik	0.821818	1.37525	0.871726	0.774533
E130309D02Rik	7.157122	11.758496	8.511431	9.165707
E130309D14Rik	0.074294	0.052161	0	0
E130310I04Rik	0	0.101986	0	0.06098
E130311K13Rik	10.676606	8.494206	11.348945	7.46099
E130317F20Rik	0.900188	0.972322	0.892922	0.441842
E230013L22Rik	0.993892	0.836479	0.657122	1.028494
E230016K23Rik	0.156926	0.076414	0.153128	1.439316
E230016M11Rik	1.291738	1.031733	1.097183	1.867011
E230025N22Rik	0	0.250307	0.439334	0
E230029C05Rik	1.267261	2.027103	2.68408	4.106428
E2f1	9.724678	11.704565	11.526823	15.364387
E2f2	0.588774	3.789168	4.237621	3.244485
E2f3	5.428746	4.577346	4.965297	6.081123
E2f4	26.821421	53.880817	36.35165	28.870214
E2f5	9.514932	12.878725	16.774315	10.765725
E2f6	14.087879	19.999355	13.255258	12.799299
E2f7	0.414339	3.167258	2.761999	1.693955
E2f8	6.586639	26.326483	16.183584	13.876719
E330009J07Rik	1.361407	0.30924	0.60305	1.242383
E330011O21Rik	0	0	0	0.306136
E330012B07Rik	0	0	0	0
E330013P04Rik	0	0.081988	0	0
E330014E10Rik	0	0	0	0
E330017A01Rik	0	0	0	0
E330017L17Rik	0	0	0	0
E330020D12Rik	0.07479	0.310044	0.31533	0.696982
E330021D16Rik	0	0	0	0
E330023G01Rik	0	0	0	0
E330033B04Rik	0.241668	0.283449	0.409811	0.795011
E330034G19Rik	0	0	0	0
E430016F16Rik	0	0	0	0
E430018J23Rik	1.482425	2.151191	2.306299	2.459126
E430025E21Rik	14.31316	22.688065	17.735224	16.643913
E4f1	17.075127	11.315037	11.493893	9.44761
E530001F21Rik	0	0	0	0
E530011L22Rik	1.674508	0.886206	0.77678	1.074761

Eaf1	19.700401	16.12392	13.365705	15.865173
Eaf2	0.262469	0	0.388788	0
Eapp	66.525185	44.692226	55.232662	61.192749
Ear1	23.29603	18.943346	27.022655	86.432304
Ear10	13.209486	9.319411	15.215796	44.310368
Ear12	0.208646	0.24292	0.27112	1.244768
Ear14	0	0	0	0.024289
Ear2	12.793674	13.112817	19.969818	64.733543
Ear3	76.777229	65.577728	99.504181	303.150604
Ear4	0	0	0	0
Ear6	0	0	0	0.785311
Ear7	1.207332	0.06729	0.163368	0.084631
Ears2	1.585052	1.737926	1.248123	1.768567
Ebag9	6.055565	7.06423	7.823862	8.42579
Ebf1	0.655138	2.102416	1.034877	0.294345
Ebf2	0	0.099706	0	0
Ebf3	0	0.320081	0.088099	0
Ebf4	2.708363	1.032699	1.099427	1.635364
Ebi3	0	2.12905	2.849381	5.035377
Ebna1bp2	23.713684	33.206089	26.492323	26.227869
Ebp	13.641662	28.154747	30.974226	27.497147
Ebpl	3.616636	5.646553	6.541552	6.497572
Ecd	10.420259	15.000657	14.299508	12.653255
Ece1	16.889206	24.855307	10.369821	21.27397
Ece2	6.428614	20.023498	22.268338	20.531696
Ecel1	0.510934	0	0	0
Ech1	97.085846	64.616325	83.603783	80.080742
Echdc1	0.103862	2.344914	2.804186	1.109341
Echdc2	14.70713	28.355103	26.35066	19.775594
Echdc3	9.243327	5.048061	5.976232	6.579951
Echs1	57.9189	59.566906	104.295555	64.059425
Eci1	25.587097	35.794899	40.918098	31.088755
Eci2	42.979871	35.589409	39.327896	38.998025
Eci3	0	0	0	0
Ecm1	576.689567	456.822571	332.859124	448.987221
Ecm2	0.109875	0.41186	0.054774	0.225114
Ecscr	11.589544	12.972961	10.621904	17.975492
Ecsit	16.15765	13.698129	15.84185	14.636195
Ect2	1.232517	12.273249	16.076405	7.49584
Ect2l	0	0	0	0
Eda	0.067949	0.090759	0	0.103239
Eda2r	0.076271	1.285727	1.033247	1.021307
Edar	0	0	0	0
Edaradd	0.042809	0.079101	0.030385	0.119291
Edc3	7.60582	10.637251	8.419733	9.551616
Edc4	27.848192	21.279179	14.199755	13.838718
Eddm3b	0.119986	0	0	0
Edem1	12.960333	15.878814	14.230647	14.8277
Edem2	24.252314	26.887241	30.91946	24.176954

Edem3	3.970037	6.076495	4.447239	5.351541
Edf1	204.72467	198.239624	192.468033	261.028961
Edil3	2.528595	5.702214	5.115099	2.878981
Edn1	1.570625	0.126707	1.142331	0.272058
Edn2	0	0	0	0
Edn3	0	0	0	0
Ednra	0.433106	1.906793	0.713101	2.870884
Ednrb	1.495851	1.58876	1.168032	1.335756
Edrf1	3.091831	3.637589	2.90409	3.755211
Eea1	8.105317	5.820873	4.628915	6.559646
Eed	12.595101	17.264135	19.969233	18.430725
Eef1a1	7188.325195	5905.141113	7475.293457	5795.042969
Eef1a2	0.072014	10.70384	0	0
Eef1b2	1242.969849	854.267029	1228.547363	920.419922
Eef1d	162.211132	142.873086	166.492036	133.6683
Eef1e1	30.381788	61.316914	68.604897	68.773796
Eef1g	494.430389	500.334564	577.024902	442.381165
Eef2	1528.498779	1147.299805	857.318298	753.819519
Eef2k	11.770678	8.726167	8.16244	6.264303
Eef2kmt	11.749779	16.641584	19.184288	18.568392
Eefsec	4.670066	6.721671	5.064244	4.583089
Eepd1	5.378226	3.938858	4.334312	5.141165
Efcab1	0	0	0	0
Efcab10	0	0	0	0
Efcab11	0.191606	1.176551	3.273586	1.009228
Efcab12	0	0.045494	0	0.06826
Efcab14	3.302789	7.357174	5.391625	5.598818
Efcab2	0.904008	1.082843	1.410124	0.963577
Efcab3	0	0	0	0.066563
Efcab5	0	0.02735	0.200889	0.14019
Efcab6	0	0	0	0
Efcab7	0.933148	4.146532	4.971673	2.062095
Efcab8	0	0	0	0
Efcab9	0	0	0	0
Efcc1	0.157441	0	0	0.098343
Efemp1	34.108658	34.723549	69.722488	29.484638
Efemp2	42.490743	42.350689	32.268246	65.428187
Efhb	0	0.127557	0	0
Efhc1	0.20109	0.977195	0.751711	0.236239
Efhc2	0	0	0	0
Efhd1	0.437431	0	0	0
Efhd2	34.285275	50.506115	41.42963	51.831615
Efna1	52.72681	35.338081	59.082207	35.386982
Efna2	1.299121	3.324486	2.110781	2.278516
Efna3	0.662754	1.233334	0.553628	1.370296
Efna4	12.021959	15.423953	15.758205	12.406333
Efna5	6.58164	8.215478	9.578376	6.593762
Efnb1	20.563656	35.205975	20.946495	29.090105
Efnb2	10.554118	16.348175	13.744613	12.242808

Efnb3	0.030827	1.150891	0.552952	1.305547
Efr3a	4.972887	7.873354	6.498787	6.27462
Efr3b	0.149765	0.148623	0.142503	0.497303
Efs	0.255889	0.464328	0.174481	0.773477
Eftud1	4.328878	6.639287	5.096145	5.091304
Eftud2	32.470345	53.22649	40.594978	34.073906
Egf	0.516549	0.414387	0.522352	0.428848
Egfbp2	0	0	0	0
Egfem1	0.078689	0	0.036611	0
Egfl6	0	0	0	0
Egfl7	7.693723	16.517327	15.161507	12.497028
Egfl8	1.676512	1.175684	0.938762	1.375285
Egflam	0.03974	0	0.05037	0.107188
Egfr	1.925397	1.314867	0.344979	4.950111
Egln1	77.830307	29.465387	31.094587	37.238529
Egln2	24.495337	22.436056	17.554567	24.254227
Egln3	109.242767	59.796825	80.589264	64.47332
Egr1	26.035515	36.05547	7.068894	35.434761
Egr2	5.454247	8.452754	2.798507	17.367706
Egr3	1.959251	4.33892	1.560003	4.882291
Egr4	0	0	0	0.054542
Ehbp1	4.050654	3.545036	3.563975	3.135329
Ehbp1l1	9.967731	16.295457	9.296889	21.614708
Ehd1	22.502041	36.282635	30.591005	40.170521
Ehd2	27.428188	62.010071	38.733887	48.668312
Ehd3	0.893546	1.473835	0.41497	1.996767
Ehd4	11.040619	26.650528	19.04928	18.644236
Ehf	0.120789	0	0	0.301485
Ehhadh	0.45614	0.337175	0.179081	1.700805
Ehmt1	16.680038	16.354179	12.620983	11.880366
Ehmt2	78.671242	57.217898	47.814761	50.581563
Ei24	17.805372	21.494458	18.85018	22.502855
Eid1	23.784595	28.890415	26.385973	24.509661
Eid2	11.568797	12.444028	8.084121	7.027688
Eid2b	1.821893	1.176477	1.55472	1.230787
Eid3	2.271993	0.488061	0.830264	1.510432
Eif1	822.170654	452.379486	399.501007	477.533905
Eif1a	24.165289	36.075226	32.271416	29.489202
Eif1ad	21.012123	21.168697	17.741785	19.971933
Eif1ax	130.974655	118.057793	185.519012	136.573532
Eif1b	52.286777	37.038151	44.330887	56.34948
Eif2a	39.821671	46.506828	56.793663	36.020184
Eif2ak1	10.59276	16.039446	12.113247	12.729645
Eif2ak2	2.244104	3.862299	4.239348	4.940346
Eif2ak3	5.645238	6.965672	5.525832	6.530217
Eif2ak4	6.400755	6.730769	6.455626	5.29475
Eif2b1	16.131104	20.403234	19.946747	20.097727
Eif2b2	40.500645	45.976688	32.290283	31.009075
Eif2b3	12.102084	16.419552	12.639051	17.098284

Eif2b4	13.659768	12.786757	10.741035	13.947062
Eif2b5	25.967861	41.236942	37.402458	30.709969
Eif2d	21.438541	36.250234	39.724019	25.736078
Eif2s1	46.264542	74.983749	97.279739	68.054451
Eif2s2	75.765511	107.649422	121.177216	105.413704
Eif2s3x	37.396481	47.525108	47.537037	37.18911
Eif2s3y	5.674572	6.692461	0	0
Eif3a	99.684006	89.106506	63.305733	61.361763
Eif3b	85.708344	114.652016	76.33223	75.327927
Eif3c	115.80294	103.490181	75.853012	76.178246
Eif3d	205.897888	144.630569	132.170395	113.572212
Eif3e	208.751236	166.565338	223.849869	131.333145
Eif3f	242.467117	170.969437	139.563583	134.321548
Eif3g	204.076904	133.870575	100.993393	123.283707
Eif3h	453.626984	316.468353	454.876801	384.461639
Eif3i	259.275146	276.858032	399.790344	294.231995
Eif3j1	3.416806	0.012743	2.058711	0.426668
Eif3j2	10.166487	14.600334	11.288185	17.240931
Eif3k	400.394294	296.978533	328.551455	282.657271
Eif3l	75.308395	112.356491	102.222168	76.108597
Eif3m	220.804642	145.143539	209.578094	148.441925
Eif4a1	325.807861	467.508213	454.772911	395.134163
Eif4a2	172.253573	99.789732	134.383001	149.092162
Eif4a3	86.842659	95.366211	76.423355	85.894936
Eif4b	276.543945	211.898636	160.840149	133.018692
Eif4e	31.026964	47.51767	51.034813	35.283691
Eif4e1b	0	0	0	0
Eif4e2	56.810683	57.18568	52.195426	49.565201
Eif4e3	2.340561	3.99424	3.082398	5.535634
Eif4ebp1	313.236969	218.615219	205.80571	230.71579
Eif4ebp2	16.152185	25.137527	22.355864	19.519367
Eif4ebp3	13.840154	13.520944	10.371443	12.385937
Eif4enif1	18.135254	25.042091	16.799675	15.254868
Eif4g1	85.586052	119.248764	74.51757	74.307114
Eif4g2	64.189979	103.448076	69.790359	66.077175
Eif4g3	15.404522	19.160495	16.394601	15.064159
Eif4h	127.343605	128.795486	110.879341	109.809082
Eif5	53.178762	66.179016	57.481846	59.235402
Eif5a	624.653673	809.270707	790.012303	737.978409
Eif5a2	1.512964	1.545411	1.460683	0.855379
Eif5b	43.987091	27.898026	18.237364	26.953527
Eif6	95.642097	101.656776	76.623344	89.123993
Elac1	3.703896	2.218881	2.449379	2.949144
Elac2	9.16287	17.071405	13.366056	10.371408
Elane	0	0	0	0.565292
Elavl1	17.698101	20.060553	15.625527	15.843289
Elavl2	0	0	0	0
Elavl3	0.049288	0	0	0.012727
Elavl4	0	0	0	0

Eldr	0.386189	3.492964	4.437897	3.774387
Elf1	10.966244	7.008137	8.07308	6.100617
Elf2	9.488817	12.963184	11.494346	11.128691
Elf3	1.435419	0	0	0.660146
Elf4	12.041735	17.803604	12.1813	12.954738
Elf5	0	0	0	0
Elfn1	0.744476	0.088532	0.23084	1.278749
Elfn2	0.040641	0	0	0.034071
Elk1	6.926877	10.724079	9.857986	9.988967
Elk3	22.190156	30.386357	31.815455	21.336315
Elk4	8.376215	9.908917	6.469535	6.23851
Ell	28.209848	19.007006	17.812078	17.958872
Ell2	10.196112	13.319167	11.217526	11.743762
Ell3	0	0	0.137205	0.101922
Elmo1	0.816649	2.849589	2.866552	2.19099
Elmo2	5.672925	11.58859	16.081075	8.290195
Elmo3	0.889839	1.337547	0.976871	1.723659
Elmod1	0	0	0	0
Elmod2	1.840486	2.983863	2.217229	2.831597
Elmod3	3.804697	4.598197	3.830804	4.767406
Elmsan1	12.21968	9.193377	6.710717	6.405764
Eln	9.203892	10.315631	1.112262	30.149569
Elof1	29.704773	51.253441	59.070068	63.056591
Elovl1	22.500961	34.156345	31.785353	30.663163
Elovl2	0.116234	0	0.051334	0.791458
Elovl3	0	0	0	0
Elovl4	1.613513	2.034286	1.610096	1.416049
Elovl5	14.408428	25.068544	23.74361	20.684931
Elovl6	0.788058	7.469011	8.078652	2.380318
Elovl7	0.10925	0.019457	0.122569	0.360551
Elp2	32.434742	36.993839	27.107189	21.162815
Elp3	22.369442	22.052976	20.931709	16.133214
Elp4	0.686105	2.028292	1.796033	0.834632
Elp5	38.649348	42.49498	45.312893	46.391878
Elp6	4.131755	6.112846	6.055026	4.435547
Emb	5.824537	13.461575	17.945282	15.885834
Emc1	5.363324	11.967351	10.780543	9.941302
Emc10	32.86319	44.813366	48.273094	45.193684
Emc2	14.121416	22.109785	27.682213	21.186508
Emc3	61.104507	55.6157	58.851433	67.586571
Emc4	34.553501	64.942657	66.562073	66.823044
Emc6	61.634958	62.027611	71.763663	69.793589
Emc7	66.353912	53.063454	64.314476	74.621025
Emc8	9.490213	12.089883	13.20573	15.262672
Emc8-1190005i06rik	7.543128	13.062304	9.019132	14.959535
Emc9	6.094241	6.212351	5.952245	6.663323
Emcn	2.513046	7.755867	7.28926	5.934134
Emd	59.565094	52.986984	62.952641	47.075142
Eme1	1.622241	7.061704	6.481843	3.958934

Eme2	0.856325	2.889885	2.890777	2.724788
Emg1	106.090752	143.553192	185.012314	147.773544
Emid1	0.40487	1.135284	1.103014	1.688349
Emilin1	22.999205	27.430933	24.421137	45.50536
Emilin2	40.250412	50.294025	59.004555	60.883125
Emilin3	0	0	0	0
Eml1	24.352674	47.084715	35.668878	38.757394
Eml2	5.418364	6.538239	4.234869	5.987771
Eml3	13.580131	15.422996	15.370218	14.5236
Eml4	4.970774	7.312234	10.439664	10.486542
Eml5	0.354485	1.84319	2.276149	1.135998
Eml6	0.048952	0.226357	0.463457	0.319674
Emp1	91.018847	94.700093	336.401363	66.900518
Emp2	22.462641	22.690699	18.58287	21.199308
Emp3	148.088729	221.013253	242.578777	224.056072
Emx1	0	0	0	0
Emx2	0	0.326844	0	0
Emx2os	0	0	0	0
En1	0.07761	0.132237	0.03856	0
En2	0	0	0	0.095398
Enah	0.312604	0.407877	0.159043	0.838275
Enam	0	0	0	0
Enc1	17.515202	16.879446	12.60084	16.557743
Endod1	2.715466	10.1552	4.648192	7.0264
Endog	11.667704	5.202799	8.674564	8.331293
Endou	0.718952	0.457278	0.220035	0.305703
Endov	3.556727	6.470856	5.416539	4.502513
Eng	4.518882	10.67412	7.396941	11.855567
Engase	1.73781	1.227067	1.599831	2.13526
Enho	0.613566	0.984902	0.394882	3.182529
Enkd1	12.677384	19.529881	17.35379	14.694609
Enkur	0.288205	0.385952	0.326362	0.524116
Eno1	623.528625	434.77951	426.229462	368.474762
Eno1b	359.409628	260.026737	257.003207	209.894426
Eno2	88.134027	18.96294	37.400773	21.614261
Eno3	75.155426	134.67091	115.197751	72.506323
Eno4	0	0.198343	0	0.088924
Enoph1	7.293048	11.282294	7.99687	10.125416
Enox1	0.277856	0.250157	0.027703	0.236917
Enox2	1.741935	2.88422	3.047496	2.773542
Enpep	0.117762	0.217387	0.070212	0.450504
Enpp1	2.318671	8.882784	7.644633	6.809636
Enpp2	0.272546	0.175643	0	1.428977
Enpp3	0	0.260611	0.226938	2.830151
Enpp4	1.253589	1.938361	2.345281	1.23228
Enpp5	1.986077	1.000698	2.886523	2.435301
Enpp6	0	0	0	0
Enpp7	0	0	0	0
Ensa	55.66774	80.920468	72.482593	75.428425

Enthd1	0.146485	0.117433	1.002499	0.218969
Enthd2	6.198998	8.278122	6.590855	8.358669
Entpd1	0.722315	7.071268	5.116467	5.639228
Entpd2	2.578762	1.910648	1.082964	1.405185
Entpd3	0.944573	0	0.142647	0.481789
Entpd4	0	16.68316	17.45718	17.586148
Entpd5	1.936594	2.995192	2.955981	3.222589
Entpd6	4.650032	9.46355	10.878373	7.444713
Entpd7	1.423993	3.069274	2.699808	2.652007
Entpd8	0.193403	0.109415	0	0.24298
Eny2	11.599046	14.454672	20.497335	20.687021
Eogt	3.0558	6.593928	6.587409	4.490875
Eomes	0.066695	0.202075	0	0.287335
Ep300	9.246975	9.280708	6.722478	6.589381
Ep400	8.344546	11.264652	8.699245	6.237228
Epas1	4.022374	2.488395	1.682956	7.424309
Epb4.1	9.146484	8.670519	7.738445	6.411075
Epb4.1l1	9.45181	6.960649	8.415532	9.243032
Epb4.1l2	56.596977	64.367767	59.173897	48.444832
Epb4.1l3	0.049003	0.623618	0.12151	1.17246
Epb4.1l4a	0.330104	0.697433	1.601095	0.28899
Epb4.1l4aos	302.942696	104.038382	135.179033	115.858622
Epb4.1l4b	2.377962	1.562265	1.033809	1.815272
Epb4.1l5	0.460193	0.931532	1.259205	0.87591
Epb4.2	0	0	0	0
Epc1	15.088627	12.813778	10.738801	13.835694
Epc2	10.270116	12.647339	8.748457	7.9978
Epcam	1.498727	0.575324	0	2.09906
Epdr1	10.517304	20.556021	18.14349	15.763856
Epg5	2.723226	2.90425	2.291755	2.221133
Epgn	0	0	0	0
Epha1	0.236276	0.18114	0	0.805828
Epha10	0	0	0	0
Epha2	33.108219	51.904869	41.201656	34.12175
Epha3	0	2.095843	0.024592	1.332281
Epha4	0.48959	0.120689	0.170884	0.169996
Epha5	0	0	0	0
Epha6	0	0	0	0
Epha7	0	0	0	0.177626
Epha8	0	0.112111	0.041793	0
Ephb1	0	0.405833	0.115781	0.098832
Ephb2	1.042679	1.493488	1.308398	1.201914
Ephb3	2.103245	2.877312	2.206794	3.636354
Ephb4	13.064683	16.323956	14.769519	14.708947
Ephb6	17.609329	28.204931	21.306517	15.007489
Ephx1	12.491424	9.770094	14.884735	24.024706
Ephx2	1.277026	1.308307	0.320923	5.760079
Ephx3	0	0.122931	0.081526	0.110241
Ephx4	0	0	0	0

Epm2a	0.650213	0.562615	0.390983	1.575719
Epm2aip1	3.371535	6.076096	6.29759	4.399128
Epn1	66.870153	60.573398	51.932989	64.315212
Epn2	26.405062	22.425872	22.127783	16.435888
Epn3	0.127245	0	0	0.059777
Epo	0	0	0	0
Epor	0.188933	2.303794	2.748551	1.604945
Eppin	0	0	0	0
Eppk1	0.749391	0.842954	1.017568	0.915381
Eprs	46.82703	57.214752	38.346817	35.917206
Eps15	14.377789	19.757067	21.777209	13.822717
Eps15l1	23.201375	28.851368	23.381345	20.243517
Eps8	20.557293	21.710855	20.407231	15.948449
Eps8l1	0	0	0	0.039616
Eps8l2	28.110485	8.822978	11.498414	8.544964
Eps8l3	0	0	0	0
Epsti1	0	3.695965	5.319312	7.007963
Ept1	7.443546	12.535906	11.055078	8.918668
Epx	0	0	0	0
Epyc	0	0	0	0
Eqtn	0	0	0	0
Eral1	8.84793	10.464087	10.907203	8.372378
Erap1	1.424323	8.098893	8.348456	4.807348
Eras	0	0	0	0
Erbb2	10.746169	12.715627	10.055852	8.573231
Erbb2ip	10.904392	12.903603	11.186618	9.643719
Erbb3	0.209557	0.158035	0.036748	0.491671
Erbb4	0	0	0	0
Erc1	3.04813	4.418188	3.258906	3.273025
Erc2	1.411815	2.55972	1.588146	0.930785
Ercc1	28.47957	29.351441	31.099885	26.098523
Ercc2	10.901121	12.350376	9.425437	10.502962
Ercc3	9.879197	17.144224	12.98034	13.995683
Ercc4	1.778601	2.447538	2.533962	2.324605
Ercc5	4.752587	5.49088	4.696105	6.245824
Ercc6	2.651157	4.330238	3.419602	3.44706
Ercc6l	0.576047	3.017654	3.492517	2.362106
Ercc6l2	3.108493	5.740355	6.272907	3.422675
Ercc8	2.014093	3.307313	3.588164	3.143393
Erdr1	229.288254	141.601089	123.049896	136.952438
Ereg	3.8912	7.576046	4.064276	8.338909
Erf	40.666115	30.154535	19.261522	20.308807
Erg	1.024089	2.068377	2.388944	2.725589
Ergic1	67.863777	80.100067	70.89669	65.755096
Ergic2	12.285785	25.415136	23.599803	26.444217
Ergic3	152.145996	131.24559	131.429977	132.838791
Erh	110.317436	191.054001	275.267914	194.70491
Eri1	5.837686	12.273234	10.648037	8.568233
Eri2	0.976921	4.809471	5.383993	3.486693

Eri3	29.121668	36.155768	26.934612	30.357191
Erich1	4.994124	4.173734	4.879067	5.035076
Erich2	0	0	0	0
Erich3	0	0	0	0
Erich4	0	0	0	0
Erich5	0	0	0	0.195432
Erich6	0	0	0	0
Erlec1	11.276916	11.830782	11.23837	12.486027
Erlin1	9.561846	20.123158	24.924634	17.084758
Erlin2	10.35651	18.216637	17.033052	14.331182
Ermap	0.236792	0.037292	0.151336	0.165122
Ermard	2.729948	7.011917	8.386191	6.239927
Ermn	0	0	0	0
Ermp1	4.944884	12.599433	12.503319	12.859776
Ern1	11.905347	12.607132	10.842446	13.441057
Ern2	0	0	0	0
Ero1l	109.383804	20.009537	42.88868	34.505157
Ero1lb	1.268749	2.286291	2.78886	2.2299
Erp27	0	0	0	0.245852
Erp29	78.024246	142.078384	172.057449	216.003311
Erp44	21.203022	25.314737	25.984003	28.388378
Errfi1	88.924744	52.30825	40.878872	66.551208
Erv3	0	0	0	0.133109
Esam	5.073735	8.07139	8.764017	6.879208
Esco1	0.903254	2.784227	2.108505	2.239909
Esco2	0	0.771398	2.01746	0.795001
Esd	177.168125	86.234682	131.720477	129.424425
Esf1	17.691076	15.405963	11.110378	15.405665
Esm1	2.482343	1.310054	5.159737	2.305172
Esp1	0	0	0	0
Esp15	0	0	0	0
Esp16	0	0	0	0
Esp18	0	0	0	0
Esp23	0	0	0	0
Esp24	0	0	0	0
Esp3	0	0	0	0
Esp31	0	0	0	0
Esp34	0	0	0	0
Esp36	0	0	0	0
Esp38	0	0	0	0
Esp4	0	0	0	0
Esp5	0	0	0	0
Esp6	0	0	0	0
Esp6Esp5	0	0	0	0
Esp8	0	0	0	0
Espl1	1.361653	8.844903	8.991826	5.13444
Espn	0.333109	0.266743	0.150083	0.7022
Espnl	0.027318	0.077757	0.080833	0.053329
Esr1	0.55171	1.244034	1.060621	1.086089

Esr2	0	0	0	0
Esrp1	0	0	0	0.131227
Esrp2	0.537845	0	0	0.625421
Esrra	13.708072	14.544642	16.124905	23.94153
Esrrb	0	0	0.045654	0.063533
Esrrg	0	0	0	0
Esx1	0	0	0	0
Esyt1	13.581496	25.249033	24.970039	19.803528
Esyt2	32.042294	38.439281	41.33469	32.275055
Esyt3	0.176546	0.103419	0.187007	0.06376
Etaa1	0.917162	2.640128	2.747847	1.730222
Etaa1os	0	0.953981	1.118006	0
Etd	0	0	0	0
Etf1	44.915031	56.317829	44.893829	46.059708
Etfa	32.564274	46.782597	64.82946	48.63982
Etfb	85.045349	79.754288	99.505516	131.745041
Etfdh	14.939983	23.139484	23.275415	14.908559
Ethe1	10.665883	15.3338	10.936879	12.203817
Etl4	1.611116	2.130745	1.63443	2.660888
Etnk1	9.259257	18.643707	21.667423	15.102507
Etnk2	0.173874	0	0	1.178517
Etnppl	0	0	0	0
Etohd2	4.140295	3.096687	3.448215	6.841578
Etohi1	1.041285	1.580608	1.916343	2.684534
Ets1	16.511923	13.44464	12.021102	12.602056
Ets2	22.889309	34.470901	20.07338	20.140396
Etv1	5.655087	5.737698	4.067361	4.364534
Etv2	0	0	0	0
Etv3	5.785883	8.227851	7.089157	7.750584
Etv4	52.732212	66.983513	49.511921	54.424377
Etv5	7.316401	16.818331	11.992426	12.704633
Etv6	6.790282	6.816632	8.996734	8.835949
EU599041	0	0	0	0
Eva1a	0	0.166068	0.165625	1.323703
Eva1b	14.437003	21.820591	18.36001	27.806847
Eva1c	20.626408	20.915251	19.986179	22.281322
Evc	5.160642	7.449577	7.633168	4.703411
Evc2	7.19948	15.31249	10.97574	8.733276
Evi2a	6.739641	23.107924	38.833192	38.191908
Evi2b	0	1.268095	3.618411	0.867326
Evi5	6.420082	7.838608	6.705216	7.780941
Evi5l	5.609072	3.867826	4.342246	4.440702
Evl	41.990592	48.683661	39.363363	43.65637
Evpl	0	0.059419	0.015291	0.197893
Evx1	0	0	0	0
Evx2	0	0	0	0
Ewsr1	207.361301	154.610109	121.273804	108.25351
Exd1	0.322268	0.7539	0.282009	0.896535
Exd2	6.23726	12.115088	14.402875	8.377707

Exo1	0.430922	4.476966	4.086016	2.489325
Exo5	5.222529	10.610547	13.156348	10.186282
Exoc1	8.37669	12.619577	12.401445	10.60226
Exoc2	4.384136	6.461493	5.921532	5.322867
Exoc3	5.21639	7.537546	6.1818	5.965479
Exoc3l	1.026029	2.196343	1.655397	1.249091
Exoc3l4	1.785919	3.018222	6.308526	5.675778
Exoc4	2.381622	8.648006	6.248269	4.323935
Exoc5	7.748278	8.952381	8.803	9.474125
Exoc6	3.248733	4.520423	7.041959	4.846216
Exoc6b	7.367905	8.501465	6.824277	4.993843
Exoc7	12.067021	15.246721	12.256395	11.561204
Exoc8	1.550427	3.576081	2.731003	4.005948
Exog	3.297834	4.417059	4.091723	3.933629
Exosc1	19.887705	15.014612	12.684555	22.963491
Exosc10	28.52131	33.4497	24.60626	22.688538
Exosc2	14.635695	30.610224	28.431583	21.442568
Exosc3	13.199751	22.16201	24.860928	26.262075
Exosc4	14.260191	21.026228	15.89831	17.689205
Exosc5	23.763255	28.73961	32.405185	31.14225
Exosc6	17.131445	21.184328	14.131834	18.167385
Exosc7	15.478232	28.181673	27.792582	25.315914
Exosc8	37.053473	63.440866	74.713137	48.500439
Exosc9	22.886898	32.432507	34.251377	27.013529
Exph5	0	0	0	0.048123
Ext1	24.087664	42.178696	25.436865	38.372036
Ext2	24.649477	38.142776	38.17205	36.996635
Extl1	0.21569	0.192377	0.047877	0.239472
Extl2	7.068061	12.598616	11.712285	9.594588
Extl3	9.078885	14.207561	9.901521	11.964549
Eya1	0	0.107787	0	0
Eya2	0	1.508683	1.486863	0.279123
Eya3	6.928967	5.787901	8.648968	8.206663
Eya4	0.168653	0.402171	0.179716	0.378743
Ezh1	13.137805	8.083766	9.026536	8.668279
Ezh2	16.947488	20.921813	21.175739	16.380347
Ezr	106.930824	92.177582	66.966202	55.789021
F10	34.238693	20.163746	41.027926	59.957895
F11	0	0	0	1.478349
F11r	9.67551	15.326568	16.010933	26.038574
F12	0.091851	0	0	7.244763
F13a1	40.83923	34.031681	56.272594	44.379902
F13b	0	0	0	1.679627
F2	1.259309	0.142892	0	26.784706
F2r	55.510704	67.999725	47.848633	66.595901
F2rl1	0.692607	8.388671	2.962132	2.43181
F2rl2	0.221224	1.161512	0.915556	1.312256
F2rl3	0.273075	0.720471	0.725306	0.964095
F3	9.081059	2.691983	4.419514	3.863366

F420014N23Rik	0.927177	0.462417	0.792181	0.949405
F5	0.063499	0.06279	0.443184	2.861854
F630028O10Rik	0.293007	3.526149	2.610761	4.641376
F630042J09Rik	0	0	0	0
F630111L10Rik	0	0	0	0.03145
F630206G17Rik	0	0	0	0
F7	17.383768	16.107243	27.276163	50.721832
F730035M05Rik	0	0	0	0
F730043M19Rik	1.010207	1.757544	2.554698	2.096695
F8	0.026397	0.011301	0.072135	0
F830002L21Rik	0	0	0	0
F830016B08Rik	0	0.11582	0.022403	0.069207
F830045P16Rik	0	0	0	0
F8a	0.754391	1.033741	1.082925	1.342378
F9	0	0	0.107786	0.779853
F930015N05Rik	0	0.023971	0	0.032793
Fa2h	0	0	0	0
Faah	0.12934	0.044474	0	0.722398
Faap100	6.395555	6.318842	4.271657	5.079292
Faap20	19.201432	14.994605	12.750772	18.352792
Faap24	1.0491	6.327303	5.00717	4.904465
Fabp1	1.381876	5.679021	0.485746	76.449654
Fabp12	0	0	0	0
Fabp2	0	0	0.204111	1.05701
Fabp3	0	4.136367	0.653993	1.994029
Fabp4	92.746445	34.965927	61.675446	43.75433
Fabp5	42.727394	87.637413	128.751404	75.946734
Fabp6	0	0	0	0
Fabp7	4.013758	1.503383	12.410834	16.366896
Fabp9	0	0	0	0
Fadd	1.369237	3.88554	3.767679	2.500721
Fads1	12.993855	34.195885	34.295067	18.710161
Fads2	1.399625	19.827875	23.494576	6.264162
Fads3	12.741088	14.911128	8.970877	11.022488
Fads6	0.434616	0	0	0.500894
Faf1	15.677573	13.641724	15.179763	11.023731
Faf2	12.351166	24.823698	22.735092	18.63188
Fah	14.1182	17.742292	15.838161	12.673583
Fahd1	5.243985	7.590746	9.370062	7.931624
Fahd2a	5.809075	5.781301	7.529527	6.522692
Faim	11.226518	16.54932	16.565973	21.754877
Faim2	0	0.090893	0.094477	0.124343
Faiml	0	0	0	0
Fam101a	0	0	0	0.192799
Fam101b	16.279438	12.507093	10.036488	11.89808
Fam102a	2.01084	2.291511	1.732805	3.746668
Fam102b	7.49263	17.603416	12.294044	11.540732
Fam103a1	25.076071	15.618553	16.333735	16.311543
Fam104a	41.641193	31.647055	36.829746	40.860184

Fam105a	1.826032	11.284472	14.382524	17.507957
Fam107a	0	0.067476	0	0.11077
Fam107b	13.201646	10.803083	8.627436	7.313065
Fam109a	10.470823	6.917742	8.191928	8.847111
Fam109b	0.520635	0.336545	0.338444	1.020322
Fam110a	3.711484	9.456528	7.946042	8.414298
Fam110b	2.17202	2.673192	1.74573	1.335627
Fam110c	10.701352	16.453796	11.106069	9.381327
Fam111a	2.913251	16.726776	17.985041	14.02402
Fam114a1	20.938782	17.169689	11.736895	22.094645
Fam114a2	35.474176	28.292504	27.754163	28.190172
Fam117a	7.425499	8.831248	4.821179	9.91922
Fam117b	16.816126	8.523075	6.891364	7.77435
Fam118a	8.127534	9.851265	9.267393	9.844026
Fam118b	3.104911	10.524066	7.11189	5.365141
Fam120a	28.427702	48.456711	40.505451	34.610218
Fam120aos	2.304614	2.174973	3.243242	5.04022
Fam120b	5.62241	7.601972	6.755073	7.550658
Fam120c	1.052981	1.920616	1.877407	1.057487
Fam122a	8.621726	8.47709	8.081543	8.419476
Fam122b	0.839304	1.088477	1.182098	0.823271
Fam122c	0	0	0	0
Fam124a	0.249838	0.083498	0.055375	0.453859
Fam124b	0	0	0	0
Fam126a	5.619241	9.603773	9.229592	9.730418
Fam126b	2.234754	1.436614	1.642942	1.789119
Fam129a	1.872298	4.365245	3.683156	3.705664
Fam129b	151.465286	106.360718	66.184494	90.029335
Fam129c	2.631438	5.634397	4.10112	3.428722
Fam131a	3.834139	2.835563	3.134188	3.003803
Fam131b	0.665246	1.62936	0.771631	0.929803
Fam131c	0.236231	0	0	0.118737
Fam132a	10.008869	5.723126	3.315592	6.667586
Fam132b	0.59289	4.032169	1.288159	1.402112
Fam133b	16.101305	12.282361	14.045684	14.102861
Fam134a	39.349349	26.610808	28.288167	32.594623
Fam134b	2.935078	2.866794	6.399079	4.199375
Fam134c	18.530464	26.570616	27.101467	25.241556
Fam135a	2.949124	3.693445	3.448797	2.138649
Fam135b	0	0	0	0
Fam136a	6.36511	22.772594	30.038671	27.775093
Fam13a	0.943295	0.207285	0.320862	0.760571
Fam13b	10.97147	12.710351	9.779683	9.364597
Fam13c	0.189448	0	0	0
Fam149a	5.257329	6.42798	6.27604	4.252934
Fam149b	6.377973	11.195516	9.110701	6.699378
Fam150a	0	0	0	0
Fam150b	0	0	0	0
Fam151a	0	0	0	0

Fam151b	3.262526	3.409849	3.127075	3.923275
Fam155a	0	0	0	0
Fam159a	0	0	0	0
Fam159b	0	0	0	0
Fam160a1	1.064714	1.461609	1.18354	1.04993
Fam160a2	4.085122	3.242428	3.787777	2.318015
Fam160b1	10.690442	9.30153	7.517292	7.229399
Fam160b2	8.223184	7.694263	6.849586	7.91628
Fam161a	1.65914	0.762565	0.895522	2.256607
Fam161b	0	0.377611	0.257262	0.344382
Fam162a	473.400848	346.592377	609.088928	536.832153
Fam162b	0	0	0	0
Fam163a	0	0	0	0.074567
Fam163b	0	0	0	0
Fam166a	0	0	0	0
Fam166b	0	0	0	0
Fam167a	0.116075	0.804962	0.185262	0.951171
Fam167b	1.308846	2.580325	2.188757	3.303878
Fam168a	8.008862	9.356112	6.909762	7.860684
Fam168b	33.210787	45.575368	33.444512	32.417385
Fam169a	0.184404	0.381034	0.656125	0.281703
Fam169b	0.187087	0.293951	0.263366	0.611502
Fam170a	0	0	0	0
Fam170b	0	0	0	0.068569
Fam171a1	10.897297	15.871745	12.823856	10.68122
Fam171a2	11.766573	13.024098	11.180336	7.422702
Fam171b	0.334644	0.162181	0.125838	0.441681
Fam172a	3.590424	4.732749	5.993952	3.525808
Fam173a	28.975408	25.0681	28.852774	29.187735
Fam173b	6.334661	20.163511	21.245522	21.024357
Fam174a	8.755277	10.14452	13.535619	16.772966
Fam174b	0.185042	0.28138	0.219915	0.537808
Fam175a	6.35512	5.946118	8.869178	4.834921
Fam175b	8.684575	10.24232	10.407175	9.425406
Fam177a	9.95427	11.260128	8.242042	9.182246
Fam178a	6.064317	6.872894	6.442516	5.984445
Fam178b	0	0	0	0.127177
Fam179a	0	0.083977	0.137384	0
Fam179b	3.734939	5.045345	3.920283	3.016856
Fam180a	0.713476	0.970013	0.096679	0.68325
Fam181a	0	0	0	0
Fam181b	0.187497	0	0	0.033174
Fam183b	0	0	0	0
Fam184a	0	0	0	0
Fam184b	0	0	0	0
Fam185a	2.925443	7.927754	8.968552	4.60831
Fam186b	0	0	0	0
Fam187a	0	0	0	0.111408
Fam187b	0	0.340422	0.675963	0.798421

Fam188a	6.908273	9.372046	10.227439	9.222576
Fam188b	0.760921	0.8251	1.37607	1.17053
Fam189a1	0	0	0	0
Fam189a2	0.356292	0.133215	0	0.476557
Fam189b	3.025438	3.124569	2.886793	3.22543
Fam192a	32.029797	36.9622	29.888515	34.502274
Fam193a	8.204082	7.610897	6.035805	5.43028
Fam193b	24.778078	24.586235	21.674793	18.420988
Fam195a	29.222391	24.006943	26.086903	26.536793
Fam195b	94.424904	76.197937	83.192665	110.330482
Fam196a	0.488265	0.350752	0.172325	1.197648
Fam196b	0	0	0	0
Fam198a	0	0	0.027009	0.079699
Fam198b	0.546564	1.902713	1.349525	2.546596
Fam199x	2.704367	2.366293	2.44043	2.029282
Fam19a1	0	0.181788	0.256606	0.071394
Fam19a2	0.09014	0	0.022393	0.039593
Fam19a3	0	0.214257	0.045626	0.131584
Fam19a4	0	0	0	0
Fam19a5	15.67511	10.564329	8.270894	11.358281
Fam204a	12.97386	14.277904	13.626072	12.007407
Fam205a1	0	0	0	0
Fam205a2	0	0.002055	0.009856	0.002311
Fam205c	0	0	0	0
Fam206a	2.354102	5.171531	3.245982	3.611584
Fam207a	13.574471	15.777414	12.670373	16.346794
Fam208a	2.699875	3.417973	3.447838	4.204548
Fam208b	2.419101	5.412489	4.047231	3.42724
Fam209	0	0	0.255042	0
Fam20a	7.102311	8.180529	4.731298	11.619323
Fam20b	8.88476	16.966787	14.799967	17.039459
Fam20c	5.767264	10.006755	9.629147	20.523724
Fam21	19.091751	26.081793	23.01405	17.469276
Fam210a	4.207406	5.930264	5.829082	5.029911
Fam210b	6.512011	4.99997	2.881022	9.604115
Fam212a	3.281194	1.715814	3.292071	2.493145
Fam212b	0	0.117332	0.154516	0.550677
Fam213a	4.125109	5.002754	7.68675	8.042731
Fam213b	1.523163	7.026427	8.564524	12.318493
Fam214a	2.378275	1.708744	1.051354	2.494108
Fam214b	11.881129	7.781297	6.416439	9.651968
Fam216a	23.851208	38.082058	57.261112	34.522099
Fam216b	0	0	0	0
Fam217a	0	0	0	0
Fam217b	0.718507	2.02374	1.710704	2.539603
Fam219a	3.794508	3.76786	2.341922	5.579204
Fam219aos	2.774022	1.274326	1.847877	4.088373
Fam219b	5.856963	8.36168	8.353353	10.930375
Fam220a	16.088965	16.310725	12.880397	14.732041

Fam221a	0	0	0.094018	0.166234
Fam221b	0	0	0	0
Fam222a	0.202412	0	0.03657	0.129321
Fam222b	5.13795	8.642922	4.639347	8.341858
Fam227a	0.081205	0.098158	0.142399	0.182997
Fam227b	0	0	0	0
Fam228a	0	0.158952	0.480477	0.204883
Fam228b	0.912968	0.832307	0.806113	0.359603
Fam229a	0	0	0	0
Fam229b	4.391691	4.410272	4.46729	5.219127
Fam24a	0	0	0	0
Fam25c	0	0.334498	0	45.565842
Fam26d	0	0	0	0
Fam26e	1.428729	2.070919	2.560428	2.352931
Fam26f	0	0.587154	0.40959	0.374796
Fam32a	25.456385	41.510887	38.769371	46.887272
Fam35a	0.900995	1.523275	2.123162	1.68996
Fam3a	10.546851	11.506822	9.689526	12.108526
Fam3b	0	0	0	0
Fam3c	12.393069	30.28231	23.918451	27.0007
Fam43a	4.435327	3.987618	2.990059	7.568848
Fam43b	0.020936	0	0	0.122609
Fam45a	6.694383	8.45624	8.950836	6.568363
Fam46a	3.31575	2.181404	2.591897	10.402612
Fam46b	0.734072	0.092721	0.761871	0.228317
Fam46c	1.951883	1.04305	1.307614	1.917041
Fam46d	0	0	0	0
Fam47c	0	0	0	0
Fam47e	0	0	0	0.149126
Fam49a	0.294654	0.175036	0.171859	0.927799
Fam49b	11.794718	18.283096	27.661201	21.049965
Fam50a	40.766045	29.192329	25.130062	31.112
Fam50b	0	0	0	0
Fam53a	16.841658	16.376432	14.416405	13.367832
Fam53b	2.374403	2.773901	1.914139	4.060355
Fam53c	11.434411	13.118073	11.096337	13.475303
Fam57a	3.734256	7.321479	9.360534	5.000936
Fam57b	0.370017	0.96218	0.387223	0.27334
Fam58b	12.377387	14.845231	14.909331	17.429117
Fam60a	22.806662	37.482178	33.831726	25.305246
Fam63a	29.739221	15.604239	16.962311	21.344734
Fam63b	3.282598	2.92082	3.058637	5.725035
Fam64a	7.534263	36.792088	50.156345	24.447613
Fam65a	20.658455	19.416241	13.459722	16.804251
Fam65b	1.989156	1.333858	2.147735	1.218854
Fam65c	0	0	0	0.195494
Fam69a	3.737715	7.861866	9.580399	8.598452
Fam69b	5.825111	7.007643	13.339211	7.368375
Fam69c	0	0	0	0

Fam71a	0	0	0	0.025982
Fam71b	0	0	0	0
Fam71d	0	0	0	0
Fam71e1	0	0	0.173226	0
Fam71e2	0	0	0	0
Fam71f1	0.279441	0.797534	1.451155	0.836911
Fam71f2	45.1791	1.597575	3.201382	2.592864
Fam72a	0.255613	1.253699	1.029405	1.232007
Fam73a	1.762531	1.730436	2.124799	2.805794
Fam73b	4.320963	7.964631	5.256196	7.039287
Fam76a	11.558792	10.786318	8.416262	11.210928
Fam76b	6.287838	5.985635	7.545764	5.831098
Fam78a	0.246926	1.994045	1.930551	2.441167
Fam78b	1.673068	1.695928	1.401259	4.153634
Fam81a	0	0.058475	0	0.361051
Fam83a	0.213903	0.810997	0.306708	3.319836
Fam83b	0	0	0	0
Fam83c	0	0	0	0
Fam83d	1.435463	5.736025	5.964506	3.590125
Fam83e	0	0.117045	0	0.280134
Fam83f	0.072629	0	0	0.135751
Fam83g	0.041416	0.053073	0.030866	0.133243
Fam83h	4.792168	3.171698	2.887406	3.528931
Fam84a	2.029082	1.708032	0.389079	3.354835
Fam84b	19.18021	22.258156	33.698402	13.418646
Fam89a	0.489889	1.386144	0.93366	1.381857
Fam89b	86.536358	63.959725	56.486478	75.936409
Fam8a1	8.7578	9.541004	7.896282	6.992097
Fam90a1a	0	0	0	0
Fam92a	24.114553	22.934978	30.530149	20.035269
Fam92b	0	0	0	0
Fam96a	48.675678	104.743973	186.654175	193.533005
Fam96b	84.257912	86.332466	94.860207	76.853523
Fam98a	4.048517	12.870022	9.865146	9.615643
Fam98b	14.872822	14.718688	10.136952	12.953132
Fam98c	14.472993	5.067035	8.529002	6.906773
Fan1	0.697254	1.091446	1.461674	1.180889
Fanca	0.814593	5.06595	5.783682	2.257777
Fancb	0.414404	1.741552	3.944898	1.698624
Fancc	0.979812	0.954717	1.156304	1.453562
Fancd2	0.165872	3.704532	4.183419	2.079379
Fancd2os	0	0.901032	0.677212	0.807602
Fance	15.245305	15.31096	12.08918	11.67767
Fancf	2.440101	3.456196	3.507983	3.133172
Fancg	2.102833	4.673579	4.145517	3.695966
Fanci	0.108385	1.773214	2.337469	1.291595
Fancl	0.807819	6.719134	10.532792	5.599047
Fancm	0.596112	2.372739	2.193705	0.939444
Fank1	0	0	0.049558	0.117616

Fap	0	3.148359	0.308854	0.688048
Far1	9.374065	11.271796	13.172611	15.710174
Far1os	0	0	0.312598	0
Far2	1.382306	0.664575	0.788172	0.804785
Farp1	25.005833	22.899271	14.782752	15.376797
Farp2	1.402525	1.697828	1.475076	1.521808
Fars2	6.09269	9.401806	10.981739	7.674125
Farsa	33.46384	44.408669	36.178158	35.668877
Farsb	18.653639	25.951755	21.694792	19.629904
Fas	0.865698	1.446398	1.838832	3.79314
Fasl	0	0	0	0
Fasn	10.096127	31.901814	21.795753	13.737193
Fastk	32.479893	37.360878	38.957775	33.216335
Fastkd1	0.584299	2.006356	2.888444	1.744309
Fastkd2	2.624542	8.446228	12.268306	9.468513
Fastkd3	3.373102	4.84878	3.848244	3.661496
Fastkd5	2.862364	4.689112	3.142899	3.875285
Fat1	1.826052	5.111457	2.679915	3.077549
Fat2	0.006872	0.054364	0.068237	0.07539
Fat3	0	0	0	0
Fat4	0.815043	0.911899	0.52671	1.067679
Fate1	0	0	0	0
Fau	3138.380005	1400.144326	2036.393997	2264.927491
Faxc	2.47389	3.301411	2.235402	1.643918
Fbf1	18.982044	18.451067	15.000138	11.589216
Fbl	90.050468	81.137512	66.934937	65.641808
Fblim1	30.921808	32.991111	26.201874	25.495991
Fbll1	0	0	0	0
Fbln1	2.560963	5.362611	0.50742	4.461565
Fbln2	43.845759	41.126031	19.935418	76.143129
Fbln5	1.181855	1.163979	0.140603	0.494578
Fbln7	2.88288	2.291068	0.135419	4.640273
Fbn1	17.062918	60.125561	32.153885	37.995865
Fbn2	0.761848	0.348391	0.056384	1.061248
Fbp1	0.06701	0	0	8.924307
Fbp2	0	0	0	0
Fbrs	24.758558	20.395716	14.690538	18.578239
Fbrsl1	5.038781	5.304824	3.722322	4.917315
Fbxl12	7.505815	9.203247	8.313005	10.271279
Fbxl12os	0	0.711771	1.097309	0.724434
Fbxl13	0	0	0.172503	0.078136
Fbxl14	9.87834	11.9236	8.629775	10.559645
Fbxl15	2.381666	2.496363	3.426883	4.189718
Fbxl16	1.490072	1.717201	1.554362	1.138638
Fbxl17	1.344489	1.721572	1.509333	1.711893
Fbxl18	2.75515	5.423974	3.180567	4.300262
Fbxl19	9.593263	14.119544	11.378951	12.973559
Fbxl2	1.352328	3.946776	2.939941	3.35415
Fbxl20	13.65782	9.124242	8.901401	9.19144

Fbxl21	1.184929	2.251957	2.262173	1.465394
Fbxl22	0.121765	0.39915	0.141122	0.568118
Fbxl3	12.113657	14.11972	16.583622	17.676531
Fbxl4	4.998873	6.707185	6.803815	3.201678
Fbxl5	37.390779	31.324767	43.401147	46.292805
Fbxl6	24.402399	27.354452	24.114895	25.230671
Fbxl7	0.064126	0.156259	0.053338	0.213261
Fbxl8	2.607785	2.640511	3.402979	4.55268
Fbxo10	3.343489	3.705243	3.138697	3.230585
Fbxo11	15.390029	14.519331	10.519485	12.147872
Fbxo15	0	0	0	0
Fbxo16	0	0	0	0
Fbxo17	6.682764	10.732966	9.60082	6.569787
Fbxo18	18.398693	24.043636	20.299288	21.093037
Fbxo2	0	0	0.119713	0.68936
Fbxo21	8.513075	4.844965	5.234837	3.761625
Fbxo22	21.203478	22.508532	21.997549	22.347921
Fbxo24	1.253903	1.026312	0.99386	0.675964
Fbxo25	8.522924	10.748632	9.857029	11.2325
Fbxo27	0.101822	0.347554	0	0.148829
Fbxo28	6.712525	10.138814	8.694811	8.372824
Fbxo3	8.847495	14.882901	15.022934	13.002505
Fbxo30	3.715938	2.86815	2.407642	3.060034
Fbxo31	19.137888	15.542747	11.764518	11.872736
Fbxo32	5.246723	5.499433	3.255147	6.49043
Fbxo33	4.98878	5.391882	6.399785	9.274759
Fbxo34	3.873142	3.801847	4.483801	6.825638
Fbxo36	4.345351	2.506423	2.475222	3.492917
Fbxo38	15.39815	14.170044	11.436986	11.454441
Fbxo39	0	0	0	0
Fbxo4	2.885244	3.234571	3.743864	4.900387
Fbxo40	0	0.099753	0	0
Fbxo41	0	0	0	0.086647
Fbxo42	9.480669	9.091009	7.473731	7.525875
Fbxo43	0	0	0	0
Fbxo44	2.926299	1.623523	3.197359	2.233692
Fbxo45	5.262835	7.972689	5.096598	6.522103
Fbxo46	3.695985	5.957796	4.802047	6.066004
Fbxo47	0	0	0.08788	0
Fbxo48	0.327708	0.917558	1.449257	0.668686
Fbxo5	1.329406	8.370397	10.595031	5.703684
Fbxo6	18.446481	17.983216	21.28559	23.076982
Fbxo7	11.727648	6.433419	6.466361	8.019374
Fbxo8	4.956635	5.522603	6.8126	5.222198
Fbxo9	4.416128	8.057162	8.067874	7.607249
Fbxw10	0	0.025856	0.045011	0.105523
Fbxw11	26.827971	25.488169	19.086337	19.175191
Fbxw13	0	0	0	0
Fbxw14	0	0	0	0

Fbxw15	0	0	0	0
Fbxw16	0	0	0	0
Fbxw17	2.673671	3.651334	3.187155	3.490186
Fbxw18	0	0	0	0
Fbxw19	0	0	0	0
Fbxw2	15.906843	17.687779	23.113447	22.901193
Fbxw20	0	0	0	0
Fbxw21	0	0	0	0
Fbxw22	0	0	0	0
Fbxw24	0	0	0	0
Fbxw26	0	0	0	0
Fbxw27	0	0	0	0
Fbxw28	0	0	0	0
Fbxw4	16.124039	12.043445	10.510996	13.688419
Fbxw5	15.269985	20.354677	14.647002	15.771836
Fbxw7	6.257322	7.774741	7.450857	8.523892
Fbxw8	14.570934	16.688551	13.176256	12.110197
Fbxw9	6.752496	9.401598	10.196603	11.128855
Fcamr	0	0	0	0
Fcer1a	0	0	0	0
Fcer1g	70.87603	163.999619	182.324432	258.656708
Fcer2a	0	0.113598	0.087893	0
Fcf1	120.484787	125.350677	143.800812	115.388908
Fcgbp	0	0	0	0
Fcgr1	1.088189	15.389963	12.370369	16.951006
Fcgr2b	70.996913	176.885824	202.641215	209.350315
Fcgr3	122.872139	216.996368	292.302826	390.379425
Fcgr4	18.777151	8.657741	12.973579	48.914257
Fcgrt	25.137863	32.658955	24.861549	53.930191
Fcho1	1.319695	0.635179	1.527092	2.260823
Fcho2	6.966104	8.35597	6.938027	7.547863
Fchsd1	4.715182	3.950605	4.173645	3.579123
Fchsd2	4.479633	5.823411	4.851065	4.905763
Fcmr	0	0.113826	0	0
Fcna	10.286098	15.01063	38.325611	54.978825
Fcnb	0	0	0	0
Fcrl1	0	0	0	0.085274
Fcrl5	0	0	0	0
Fcrl6	0	0	0	0
Fcrla	0	1.8082	1.723269	2.732656
Fcrlb	26.205053	15.247496	16.856758	19.981243
Fcrls	0	42.386204	14.340886	7.012231
Fdft1	8.924399	13.51716	18.883093	8.85256
Fdps	8.227825	52.020633	69.584715	19.367229
Fdx1	15.640409	11.275678	18.70217	17.672139
Fdx1l	69.876457	53.894794	47.583729	51.926888
Fdxacb1	4.422631	4.192259	4.701458	4.534695
Fdxr	5.029421	9.993738	11.912335	9.392275
Fech	9.918649	9.900349	8.999207	9.713501

Fem1a	3.808023	7.529994	4.915898	5.060749
Fem1b	7.401618	12.127449	10.7158	11.258018
Fem1c	5.228374	6.177394	4.244257	4.034274
Fen1	6.180768	14.469068	13.555898	12.008719
Fendrr	11.294588	8.850358	9.279276	6.917656
Fer	5.947167	8.570781	7.035803	6.642796
Fer1l4	0	0	0	0
Fer1l5	0.301303	0.697386	0.466227	0.817321
Ferd3l	0	0	0	0.065586
Fermt1	0.141449	0	0.018616	0.319874
Fermt2	40.077499	28.293377	21.002148	26.493145
Fermt3	9.584359	19.624592	24.015772	25.231197
Fes	23.906096	29.531599	27.540709	30.782995
Fetub	0.518929	0.51184	0.153822	15.786798
Fev	0	0	0	0
Fez1	0	0.198111	0	0
Fez2	30.360875	28.53915	26.574814	24.380025
Fezf1	0	0	0	0
Fezf2	0	0	0	0
Ffar1	0	0	0	0.064278
Ffar2	0.617224	0.217204	0.042682	1.277257
Ffar3	0	0	0	0
Ffar4	0.166485	0	0.176747	0.541126
Fga	1.95857	1.825449	0.102587	96.594748
Fgb	5.552504	5.164824	0	294.485413
Fgd1	3.772366	8.160926	5.779378	3.806529
Fgd2	0.19308	4.037892	4.829513	4.199907
Fgd3	4.310163	5.95813	5.377067	5.207351
Fgd4	0.441377	0.817456	1.23045	1.195202
Fgd5	0.751032	1.444464	0.590073	3.094495
Fgd6	7.255378	7.983481	7.156103	6.430753
Fgf1	0.175344	0.151958	0.100776	0.666209
Fgf10	0.07587	0.252971	0.062899	0.148282
Fgf11	2.279719	1.507728	0.821984	2.270603
Fgf12	0.047572	0	0	0.045939
Fgf13	0	0.931185	0.530388	0.277655
Fgf14	0.044882	0.078962	0.104672	0.035767
Fgf15	0	1.690578	0.979205	0.385456
Fgf16	0	0	0	0
Fgf17	0.468028	0.150903	0	0
Fgf18	3.543723	1.943907	0.27795	3.612235
Fgf2	2.141167	2.97429	1.379243	3.869554
Fgf20	0	0	0	0
Fgf21	2.795686	1.037049	0	3.640732
Fgf22	0.118903	0.079825	0	0
Fgf23	2.355321	0.577442	0	0.170707
Fgf3	0	0	0	0
Fgf4	0	0	0	0
Fgf5	0	0	0	0

Fgf6	0	0	0	0
Fgf7	0.399351	0.815917	0.783839	0.820253
Fgf8	0	0	0	0
Fgf9	0	0	0	0
Fgfbp1	0	0.135536	0	0
Fgfbp3	0.500057	0.772546	1.423788	1.5346
Fgfr1	77.797387	54.04911	19.983375	53.568867
Fgfr1op	7.121875	6.094736	12.219952	10.733883
Fgfr1op2	15.62082	27.112965	30.276329	27.559126
Fgfr2	0.982879	0.30985	0.602311	2.720368
Fgfr3	1.573234	0.349826	0.02869	1.08147
Fgfr4	0	0.053586	0	0.576128
Fgfrl1	29.740525	17.835011	14.383596	19.117663
Fgg	2.825098	3.890933	0.095703	147.803528
Fggy	5.654145	6.395506	6.343568	5.268372
Fgl1	0.353958	0	0	63.483143
Fgl2	0.275403	3.054034	0.858978	1.363841
Fgr	2.38291	10.271276	10.521423	15.051662
Fh1	26.889019	55.289185	74.387733	38.51226
Fhad1	0	0	0	0.036076
Fhad1os1	0	0	0	0
Fhdc1	0.979908	0.588908	0.254264	0.639917
Fhit	0	0	0.358123	0
Fhitos	0	0	0	0
Fhl1	1.011746	10.205359	0.255436	2.303868
Fhl2	58.500515	76.249748	58.744713	66.101173
Fhl3	14.890371	42.812393	29.606264	26.596586
Fhl4	0.185596	0	0.183443	0.108695
Fhl5	0	0	0	0
Fhod1	17.011427	26.710524	21.757708	17.674196
Fhod3	0.464423	1.837652	1.783174	1.032378
Fibcd1	0	0	0.019623	0.048869
Fibin	0.143704	6.72791	0.971667	0.130918
Fibp	49.931718	42.35245	45.872877	44.332327
Ficd	1.878282	2.108779	1.950356	2.581009
Fig4	3.14567	6.091796	5.247833	4.558082
Figf	2.086424	2.69436	5.11412	3.565871
Figla	0	0	0	0
Fign	0.241554	0.379008	0.234212	0.228539
Fignl1	1.132604	6.055601	8.05994	4.143452
Fignl2	0.879289	0.315796	0.463241	0.902099
Filip1	0.082453	0.695036	0.289497	0.176784
Filip1l	8.887965	18.001824	13.650767	15.398281
Fip1l1	61.416079	34.272615	30.698415	26.95481
Firre	10.498644	17.504671	17.611895	8.934521
Fis1	115.673089	109.911062	131.8978	150.015764
Fitm1	0	2.404299	0	0.189235
Fitm2	1.917704	4.962337	4.075613	4.362728
Fiz1	11.641965	9.8304	9.265911	10.833282

Fjx1	0.97788	2.180821	0.962248	0.951205
Fkbp10	44.382133	66.832848	48.960495	55.07235
Fkbp11	42.877827	55.139778	88.427422	97.677322
Fkbp14	2.402393	4.151519	3.601631	6.304271
Fkbp15	7.169393	10.416393	8.029398	8.935308
Fkbp1a	217.573086	208.396614	163.54099	165.901381
Fkbp1b	3.484173	6.683549	7.770157	10.735249
Fkbp2	52.562601	68.784451	73.221436	77.127493
Fkbp3	81.833076	136.548615	233.390015	155.18396
Fkbp4	89.58033	141.781143	110.520744	91.905762
Fkbp5	66.125473	34.039989	40.688316	24.064363
Fkbp6	0	0	0	0
Fkbp7	22.626429	29.454477	41.475723	31.464905
Fkbp8	92.495871	106.233388	95.71345	103.282771
Fkbp9	59.845078	81.711517	76.853767	60.377907
Fkbpl	2.231226	5.240975	6.517216	7.461465
Fkrp	3.800214	9.268009	7.010144	8.622283
Fktn	0.596643	1.353323	1.765169	1.023109
Flad1	13.014843	15.390981	13.914039	11.623343
Flcn	29.898928	21.262255	20.215329	11.706438
Flg2	0	0	0	0
Fli1	1.469405	5.095734	3.977602	5.38317
Flii	47.562683	44.824812	32.280727	29.673046
Flna	158.245496	246.688724	179.304098	155.815795
Flnb	46.02552	52.691132	45.78231	32.20926
Flnc	31.674734	30.82877	27.666817	17.320202
Flot1	45.961159	64.09539	43.057625	57.645397
Flot2	38.389331	39.5372	37.900185	34.345319
Flrt1	0.108542	0.048928	0.07493	0.164235
Flrt2	1.898285	3.475276	2.226671	2.225008
Flrt3	1.538142	2.030791	2.521289	1.695542
Flt1	11.303471	12.72405	8.817286	13.03356
Flt3	0	0	0	0.141192
Flt3l	1.350332	3.515604	3.656844	2.51539
Flt4	0.866328	1.039199	0.555246	1.469755
Flywch1	7.922724	12.056391	8.935098	8.469836
Flywch2	0.48842	0.921757	1.67384	2.641196
Fmn1	1.317947	2.065181	1.570476	1.256673
Fmn2	0	0	0	0
Fmnl1	18.367764	39.18028	39.319236	28.266272
Fmnl2	10.095813	5.543289	4.933583	6.076388
Fmnl3	29.31867	36.007553	22.946381	24.304468
Fmo1	0	0.163684	0	0.496088
Fmo2	2.005522	0.050535	0.037974	0.063797
Fmo3	0	0	0	0
Fmo4	0	0	0	0.097442
Fmo5	0.459068	0.598044	0.747976	2.602764
Fmo6	0	0	0	0
Fmo9	0	0	0	0

Fmod	0.467983	13.013878	0.530482	1.107675
Fmr1	5.299065	7.75121	6.937067	6.03307
Fmr1nb	0	0	0	0
Fmr1os	0	0	0.085211	0
Fn1	983.431674	1282.831493	902.539344	1042.415947
Fn3k	0	0	0	0
Fn3krp	3.4007	3.810072	3.529159	3.944732
Fnbp1	12.402488	17.218729	12.466656	15.85782
Fnbp1l	14.334863	15.528246	11.676305	9.297726
Fnbp4	40.112045	21.1278	21.654713	16.621674
Fnd3c2	0	0	0	0
Fndc1	6.258663	7.709595	1.417899	7.64697
Fndc3a	18.566664	11.955252	13.395336	11.854234
Fndc3b	17.793274	18.723196	10.763636	17.018267
Fndc3c1	0	0	0	0
Fndc4	0.914824	3.040918	3.746139	4.415384
Fndc5	0.163102	0.371632	0.12757	1.064055
Fndc7	0	0.065938	0.086524	0.090507
Fndc8	0	0	0	0.238122
Fndc9	0	0	0	0
Fnip1	9.080856	6.953405	7.277012	7.02853
Fnip2	14.217868	9.635024	7.813727	8.838244
Fnta	24.928831	37.507282	43.244843	42.145233
Fntb	14.717851	12.880018	11.154941	8.259988
Focad	2.824829	4.071068	3.888971	2.986732
Folh1	0	0	0	0
Folr1	0.355482	0	0	0.870138
Folr2	1.606182	22.302443	26.936198	26.052141
Fopnl	28.739521	39.876717	65.425362	50.291691
Fos	25.912687	19.220886	9.696923	7.18658
Fosb	6.649641	5.613277	2.524165	2.94992
Fosl1	19.423632	22.151352	18.694555	21.273249
Fosl2	30.976076	28.651569	21.858562	22.019367
Foxa1	2.80864	3.997654	2.973566	3.242821
Foxa2	0	0	0	0.280029
Foxa3	0.363899	0.187278	0	2.122305
Foxb1	0	0	0	0
Foxb2	0	0	0	0
Foxc1	5.153304	3.124632	3.588112	2.308737
Foxc2	8.225072	8.211834	5.667991	6.752685
Foxd1	0.397883	0.223667	0.120053	0.254092
Foxd2	0.358743	0.355112	0.182252	0.155137
Foxd2os	0.752256	1.655758	1.810328	1.113828
Foxd3	0	0	0	0
Foxd4	0	0	0.041997	0.018811
Foxe1	0	0	0	0
Foxe3	0	0	0	0
Foxf1	16.075308	8.316164	9.233231	11.76568
Foxf2	1.901462	1.533128	1.031456	1.607353

Foxg1	78.502768	53.722125	56.742978	34.70694
Foxh1	0	0	0	0
Foxi1	0	0	0	0
Foxi2	0	0	0	0
Foxi3	0	0	0	0
Foxj1	0.265306	0.032916	0.090729	0.176591
Foxj2	11.585845	9.12218	7.08905	9.111722
Foxj3	14.449472	8.636637	6.864398	6.554204
Foxk1	16.910093	15.592485	10.163593	10.384292
Foxk2	12.171105	23.369913	15.90965	14.68831
Foxl1	1.515644	3.056213	2.898391	2.293496
Foxl2	0	0	0	0
Foxl2os	0	0	0	0
Foxm1	4.060226	18.719028	18.029762	9.951325
Foxn1	0	0	0	0
Foxn2	6.919196	7.886052	5.038795	6.510284
Foxn3	10.525402	8.242879	6.357821	4.543435
Foxn4	0	0	0	0
Foxo1	6.190464	3.635081	2.332719	4.679568
Foxo3	11.446202	12.917943	8.672354	6.418224
Foxo4	9.260143	11.29127	7.299791	8.862773
Foxo6	0	0.151052	0.213226	0
Foxp1	5.480252	9.179448	8.096488	8.364919
Foxp2	0	0	0	0.017172
Foxp3	0	0.048987	0.085222	0.040874
Foxp4	34.146561	33.337476	20.475393	21.734103
Foxq1	0.725264	0.302321	0.175316	1.041538
Foxr1	0	0	0.043941	0
Foxr2	0	0	0	0
Foxred1	7.664795	9.934005	10.900857	9.546818
Foxred2	3.349677	2.068428	2.880032	1.593084
Foxs1	128.541992	76.823242	34.325794	65.130714
Fpgs	16.705042	23.484068	18.816851	17.841904
Fpgt	3.112032	4.104368	4.005415	4.642579
Fpr-rs3	0	0	0	0
Fpr-rs4	0	0	0	0
Fpr-rs6	0	0	0	0
Fpr1	3.480404	4.961467	7.631883	19.09565
Fpr2	1.759122	4.618062	7.469862	9.224229
Fpr3	0	0	0	0.023788
Fra10ac1	7.885188	9.012228	8.309821	6.977376
Fras1	0.028141	0	0.012429	0.029252
Frat1	0.468496	0.67371	0.296883	0.5039
Frat2	3.954073	2.248707	1.288156	1.187596
Frem1	0	0.102107	0.025851	0.14521
Frem2	0	0	0	0.014102
Frem3	0	0	0	0
Frg1	54.597046	42.563995	48.330605	42.742214
Frk	0.882889	2.019645	2.488233	1.200884

Frmd3	0	0	0	0
Frmd4a	21.024247	23.933855	12.388202	15.970514
Frmd4b	1.01309	2.843099	4.518655	3.1058
Frmd5	0	0	0	0
Frmd6	18.918077	26.724287	19.358803	16.291588
Frmd7	0	0.108225	0	0
Frmd8	22.106234	27.31097	23.388258	22.985832
Frmpd1	0	0	0	0
Frmpd1os	0	0	0	0
Frmpd3	0	0	0	0
Frmpd4	0	0	0	0
Frrs1	12.583279	26.394743	29.632658	25.63225
Frrs1l	0	0	0	0
Frs2	7.020524	6.694356	6.320134	6.455875
Frs3	2.932865	1.174891	1.484712	1.403915
Frs3os	0	0	0	0
Fry	0.188177	0.371064	0.357282	0.465916
Fryl	4.031955	5.050833	3.937274	3.806759
Frzb	1.185454	0.173396	0.146376	4.422953
Fsbp	0.377473	1.455126	0.095813	0.992028
Fscb	0	0	0	0
Fscn1	135.850677	130.996384	95.982475	73.054337
Fscn2	0	0	0	0
Fscn3	0	0	0	0
Fsd1	0	0	0	0.182056
Fsd1l	0.459993	0.865867	0.711174	0.441939
Fsd2	0	0.269553	0	0.039007
Fshb	0	0	0	0
Fshr	0	0	0	0
Fsip1	0	0	0	0
Fst	5.4695	3.866714	3.466145	10.364191
Fstl1	87.838547	128.196442	76.061539	212.814728
Fstl3	37.256561	14.940387	14.375014	20.592051
Fstl4	0	0	0	0.037243
Fstl5	0	0	0	0
Ftcd	0	0.133491	0	1.751165
Fth1	3407.418457	1983.598999	1638.84007	2677.88623
Fthl17	0	0	0	0
Ftl1	3770.081055	1949.79248	1859.09314	2633.731201
Ftmt	0	0	0	0
Fto	17.315924	21.748718	15.003395	12.487741
Ftsj1	3.299837	5.623975	4.595237	5.573622
Ftsj2	3.064598	5.839475	6.852679	7.28699
Ftsj3	34.060291	47.355392	32.114719	30.970751
Ftx	1.568795	1.301097	1.213701	1.458805
Fubp1	9.220695	23.002373	17.548931	18.452364
Fubp3	18.222446	26.17427	17.407432	17.274843
Fuca1	17.475624	21.736845	26.136356	32.559265
Fuca2	2.836227	5.765196	7.950757	9.320204

Fuk	4.360944	5.814022	4.476068	4.057769
Fundc1	9.606056	16.047083	21.487783	16.983971
Fundc2	21.036135	21.204863	35.69249	23.464142
Fuom	1.167548	1.635236	2.158623	2.340303
Furin	66.082892	87.556439	64.412146	64.064972
Fus	92.721321	119.909088	90.202797	86.152016
Fut1	0.033805	0	0.020142	0
Fut10	3.790017	11.930381	12.249938	7.097861
Fut11	2.932153	2.799828	2.00521	3.221543
Fut2	0.194394	0	0.13511	0.217829
Fut4	0.284017	0.723513	0.552985	1.00921
Fut4-ps1	0	0	0	0
Fut7	0.201337	0.667354	0.349453	1.08996
Fut8	6.095321	14.157616	9.054349	10.441892
Fut9	0.119745	0.351415	0.151572	0.339127
Fuz	3.063069	8.368226	7.192085	5.416251
Fv1	1.070083	5.313235	3.411721	2.150687
Fxn	7.270662	14.254014	16.284727	10.697286
Fxr1	103.037291	65.32141	60.379928	40.67638
Fxr2	75.6595	48.286091	31.303097	37.655849
Fxyd1	18.560496	11.909418	0.438749	20.959113
Fxyd2	0	0	0	0
Fxyd3	0.105416	0	0	2.877132
Fxyd4	0	0	0	0
Fxyd5	352.517586	346.369762	293.490468	415.979259
Fxyd6	7.991348	6.579465	0.131898	4.820316
Fxyd7	0.146178	0.500635	0.131073	0.61184
Fyb	12.942156	13.202896	15.918669	9.033494
Fyco1	3.45271	6.006654	4.658619	4.410453
Fyn	8.770483	11.813618	6.342831	9.430751
Fyttd1	24.85327	22.401389	20.274622	19.021889
Fzd1	13.678371	6.018082	4.037875	13.708015
Fzd10	0	0.0142	0	0
Fzd2	13.760073	29.892168	29.372721	18.23402
Fzd3	0.092352	0.076586	0.084762	0.05934
Fzd4	0.696582	1.347436	1.053699	0.823685
Fzd5	3.888206	3.069133	2.80366	3.255373
Fzd6	5.175765	6.293955	8.440882	3.700627
Fzd7	19.547298	18.240065	20.933798	15.621606
Fzd8	2.405929	0.883236	0.778804	1.922981
Fzd9	0.680763	1.029016	0.741194	0.803621
Fzr1	12.953853	20.524704	21.345116	19.150003
G0s2	4.255899	0.201323	0.8022	6.043482
G2e3	3.235894	2.500928	3.26251	2.75389
G3bp1	79.111069	120.398994	99.845703	84.802094
G3bp2	17.793906	16.293801	24.976323	23.421541
G530011O06Rik	0.553134	1.60146	0.700926	2.108338
G630025P09Rik	0.205465	0.286439	0.186994	0.451284
G630055G22Rik	0	0	0	0

G630064G18Rik	0	0	0	0
G630071F17Rik	0	0.068811	0.047916	0.109861
G630090E17Rik	0.091705	0.119048	0.289961	0.648051
G630093K05Rik	0	0	0	0
G6b	0.082937	0.105924	0	0
G6bos	0	0.073153	0	0.050037
G6pc	0	0	0	2.348698
G6pc2	0	0	0	0
G6pc3	23.809557	26.623554	29.579981	21.949377
G6pd2	0.015154	0.233207	0.014858	0.095614
G6pdx	12.185733	25.006504	24.035629	19.564919
G730013B05Rik	0	0	0.153903	0
Gaa	41.634926	56.22267	45.743003	49.394891
Gab1	4.85721	4.336733	2.901339	4.289718
Gab2	8.613327	5.032654	3.745319	9.197819
Gab3	0.59617	0.452255	0.689999	1.411767
Gabarap	374.182922	218.276932	210.582352	306.900818
Gabarapl1	103.605606	61.659378	64.423744	68.35994
Gabarapl2	44.225159	50.404366	68.6931	76.25045
Gabbr1	8.547977	14.232231	11.15227	8.628106
Gabbr2	0	0.053063	0.110849	0
Gabpa	11.629181	13.342509	10.48459	9.699522
Gabpb1	16.399903	17.294011	14.954078	17.189977
Gabpb2	8.666883	5.820846	5.880032	9.719165
Gabra1	0	0	0	0
Gabra2	0	0	0	0
Gabra3	0	0.068305	0	0.046514
Gabra4	0	0	0	0
Gabra5	0	0	0	0
Gabra6	0	0	0	0
Gabrb1	0	0	0	0
Gabrb2	0	0	0	0
Gabrb3	0	0	0.035381	0
Gabrd	0	0	0	0
Gabre	2.737635	2.948073	2.696782	1.392256
Gabrg1	0	0	0	0
Gabrg2	0	0	0	0
Gabrg3	0	0	0	0
Gabrp	0.505815	0	0	0.963377
Gabrq	0	0	0	0
Gabrr1	0	0	0	0
Gabrr2	0	0	0	0.121189
Gabrr3	0	0	0	0
Gad1	0	0	0	0
Gad1os	0	0	0	0
Gad2	0.006343	0	0	0.020638
Gadd45a	70.896927	28.395596	20.479832	41.958817
Gadd45b	100.865059	22.004446	35.210884	17.414217
Gadd45g	81.839035	38.646889	30.675827	40.490585

Gadd45gip1	32.171471	34.109154	37.960205	39.043816
Gadl1	0	0.174269	0	0
Gak	17.075329	24.036983	16.150827	13.04489
Gal	2.826266	0	0	0.659873
Gal3st1	0	0	0	0.147393
Gal3st2	0	0	0	0.091051
Gal3st3	0.069564	0	0	0.060818
Gal3st4	0.185398	0.446389	0.881221	0.931413
Galc	4.299993	5.444847	6.373837	5.022937
Gale	2.18249	7.872931	9.534823	8.148975
Galk1	74.267868	63.343079	70.599129	64.619499
Galk2	6.97176	10.809733	12.990238	11.619884
Galm	2.357116	1.791528	1.647547	4.241859
Galns	12.094061	13.993185	14.367454	17.084799
Galnt1	23.610943	103.625349	64.48336	47.825073
Galnt10	4.517958	10.902546	8.834059	7.629632
Galnt11	8.955505	12.624341	12.590092	10.086279
Galnt12	0	0.938438	1.17663	1.517089
Galnt13	0	0	0	0
Galnt14	0	0	0	0
Galnt15	0.614406	0.579382	0.215954	0.049588
Galnt16	0.579312	0.323267	0	0.981998
Galnt18	0	0.526172	0.076492	0.290029
Galnt2	29.52301	38.855824	27.94346	34.332867
Galnt3	0.411965	1.351741	1.300818	2.763006
Galnt4	1.337856	4.413769	3.456911	2.836513
Galnt5	0	0	0	0
Galnt6	5.969932	4.918476	6.185791	10.250191
Galnt7	4.734974	12.697101	12.258566	7.312208
Galnt9	0	0.538126	0.298187	0.374775
Galntl5	0	0	0	0
Galntl6	0	0	0.0289	0
Galp	0	0	0	0
Galr1	0	0	0	0
Galr2	0.790142	0.718211	0.126574	0.775905
Galr3	0	0	0.114436	0.12308
Galt	4.036036	3.605596	4.399691	5.129952
Gamt	10.886521	18.020264	17.123356	17.002264
Gan	1.498368	3.008627	2.140244	2.67141
Ganab	35.893946	81.574696	80.687176	58.593985
Ganc	0.768275	1.224576	1.257491	1.114512
Gap43	1.198036	3.797395	2.697387	3.324069
Gapdh	1105.783691	442.52951	479.89978	451.142059
Gapdhs	0.481079	0.571216	0.387635	0
Gapt	0	0.75842	0.454638	1.829894
Gapvd1	9.855556	13.551134	10.553749	9.687652
Gar1	46.322823	46.935852	36.784145	37.525848
Garem	0.650777	1.170181	0.44697	0.884555
Gareml	0.141903	0.088282	0.077101	0.196709

Garnl3	3.809397	1.989448	1.690491	1.985277
Gars	100.248016	143.735916	105.496994	101.817696
Gart	21.857855	41.305874	33.019299	26.397987
Gas1	6.693111	4.155702	4.414936	12.161103
Gas2	0.689837	2.634544	2.341118	1.043571
Gas2l1	14.355944	26.546365	16.339061	22.250395
Gas2l2	0	0	0	0
Gas2l3	1.525763	2.351051	3.75383	1.897031
Gas5	81.383583	56.896255	78.292557	58.89843
Gas6	8.806233	24.827759	11.021206	19.688168
Gas7	3.667591	3.436186	2.62198	4.977211
Gas8	13.832106	17.781374	12.004455	11.880915
Gast	0	0	0	0
Gata1	0	0	0	0.092772
Gata2	2.845201	4.152258	3.537168	4.244936
Gata3	1.622315	0.722852	0.696584	1.812131
Gata4	1.559017	0.237591	0.145127	2.126671
Gata5	0	0	0	0.052501
Gata5os	0	0	0	0
Gata6	2.289566	0.739471	0.446681	1.799116
Gatad1	18.852377	22.380713	20.592245	22.816088
Gatad2a	11.404272	31.009661	21.00921	10.699721
Gatad2b	29.021524	24.248383	15.842123	12.582751
Gatb	3.383004	8.189662	10.490977	5.739755
Gatc	3.952436	7.609331	8.840991	7.730398
Gatm	19.587183	81.722061	86.79319	45.173302
Gatsl2	0.859984	4.043956	2.236835	2.786895
Gatsl3	12.604516	7.385391	8.66461	7.023191
Gba	45.711156	40.550319	45.869066	47.68384
Gba2	2.680643	3.180521	3.721334	3.797262
Gbas	22.617304	28.109797	34.404652	19.622927
Gbe1	20.515894	5.913291	10.421626	9.287966
Gbf1	8.37261	10.756017	7.372818	8.044106
Gbgt1	0.79892	0.658715	0.442131	1.228221
Gbp10	0	0.117478	0	0.240798
Gbp11	0	0.105602	0	0.216088
Gbp2	1.56501	7.521624	4.312688	6.919645
Gbp2b	0	0.060183	0	0.184147
Gbp3	0.301929	2.16629	1.904698	3.625662
Gbp4	0.038438	0.420735	0.117335	0.444501
Gbp5	0	0.380516	0.16126	1.118259
Gbp6	0	0.345021	0.044115	0.636574
Gbp7	0.32284	1.648852	1.106581	2.65576
Gbp8	0.080071	0.495583	0	1.967351
Gbp9	1.503271	1.708825	1.13453	2.595554
Gbx1	0.340372	0.049291	0	0
Gbx2	0.346522	0.497331	0.460146	2.788045
Gc	6.485071	1.391191	0.271391	126.519287
Gca	0	0	0.134786	0.105918

Gcat	5.241508	10.800843	13.56775	8.052197
Gcc1	3.776081	3.651052	2.813773	4.498521
Gcc2	1.921332	3.504823	3.675552	2.612588
Gcdh	5.608098	10.582582	8.833069	9.494597
Gcfc2	4.633279	3.002108	3.019003	1.778733
Gcg	0	0	0	0
Gcgr	0	0	0	1.32931
Gch1	3.006239	2.470204	2.37824	5.552194
Gchfr	27.235628	74.440865	93.674812	73.074905
Gck	0.254646	0.139614	0.036115	1.007418
Gckr	0	0	0	0.518759
Gclc	11.108987	8.127215	6.410584	8.101901
Gclm	9.6507	8.822135	9.838384	11.824925
Gcm1	0	0	0	0
Gcm2	0	0	0	0
Gcn1l1	14.337068	18.756845	12.042318	11.08751
Gcnt1	2.471756	4.854179	7.662738	9.164641
Gcnt2	6.500108	7.685411	7.515295	13.016334
Gcnt3	0.138259	0.078919	0.405728	0.092308
Gcnt4	2.700727	4.152444	2.495757	3.975273
Gcnt7	0	0.210233	0.302118	0.37379
Gcsam	0	0	0	0
Gcsh	28.187159	62.582592	88.977905	71.887993
Gda	13.124725	10.721272	14.875387	26.991871
Gdap1	0	0	0	0
Gdap10	1.487276	0.801889	2.359188	1.016641
Gdap1l1	0	0	0	0
Gdap2	3.934608	5.01436	5.257162	4.005134
Gde1	37.533913	23.512054	28.566484	30.139496
Gdf1	6.476112	3.206815	5.55479	4.816046
Gdf10	0.217256	0.893559	0	0.11567
Gdf11	2.041565	5.672168	3.629738	6.02206
Gdf15	9.1532	1.070897	1.15261	2.261761
Gdf2	1.487289	0.070999	0	0.989922
Gdf3	0	0	0.349293	0.300171
Gdf5	0	0	0	0
Gdf6	0.278356	0.069674	0.032345	1.658036
Gdf7	0.189769	0	0	0.082425
Gdf9	0.494443	0.656972	0.133932	0.480477
Gdi1	58.860489	59.065529	50.212208	52.496761
Gdi2	94.488602	111.787643	115.619598	115.47863
Gdnf	0.257891	0.186509	0.456526	0.347974
Gdpd1	7.602563	8.922805	10.076202	6.682925
Gdpd2	2.389744	0.375548	0.348125	0.178801
Gdpd3	23.005064	10.893824	12.361113	17.476652
Gdpd4	0	0	0	0
Gdpd5	12.59374	27.060181	21.646978	16.977007
Gdpgp1	0.41389	1.449651	1.047508	1.230379
Gem	0.720153	1.830498	0.761281	1.493253

Gemin2	22.79104	27.160069	26.231434	21.181086
Gemin4	4.393287	14.113405	9.885209	8.228301
Gemin5	5.692098	10.981376	7.475791	5.099104
Gemin6	4.36892	12.654414	16.586142	13.494982
Gemin7	41.958038	57.964165	66.800224	80.810303
Gemin8	2.545364	6.349377	6.638259	4.240176
Gen1	0.180929	2.525309	2.16886	0.942861
Get4	41.991895	33.467678	37.677452	33.341698
Gfap	0	0	0	0.163213
Gfer	13.657225	19.807125	17.013351	18.395313
Gfi1	0	0	0.082816	0.138179
Gfi1b	0	0	0	0
Gfm1	16.901318	27.197771	29.344433	20.604259
Gfm2	3.947497	7.102772	9.202658	7.447325
Gfod1	2.220778	4.070802	2.522033	2.8885
Gfod2	3.201064	6.717478	4.859687	5.110245
Gfpt1	16.535826	14.995226	10.890733	11.43996
Gfpt2	9.285075	4.422296	0.916234	11.395098
Gfra1	0.260812	0.895977	0.123709	1.872829
Gfra2	1.809451	3.045377	2.67479	2.698256
Gfra3	0	0	0	0
Gfra4	0.878538	0.722286	0.448701	0.38882
Gfral	0	0	0	0
Gfy	0	0	0	0
Gga1	37.273758	29.309347	21.791046	22.748489
Gga2	7.234849	12.639408	7.767542	7.963954
Gga3	11.284427	12.259146	13.50616	11.687609
Ggact	6.575382	6.928596	10.675298	9.26613
Ggct	4.575575	11.517875	6.728993	12.909027
Ggcx	6.216754	9.607494	8.934361	11.535999
Ggh	4.504971	14.236975	23.726686	23.383663
Ggn	0.334968	0.410481	0.976794	0.904585
Ggnbp1	5.131539	5.933112	5.178195	2.86951
Ggnbp2	42.123302	29.0119	28.572273	33.288689
Ggnbp2os	12.481318	7.986885	6.679796	10.543989
Ggps1	4.015551	8.161512	9.256742	8.372664
Ggt1	0	0	0	0
Ggt5	0.16122	0.860405	0.296871	0.893823
Ggt6	0	0	0	0.253156
Ggt7	0.626307	0.258267	0.316335	0.915592
Ggta1	15.119942	5.292795	5.654494	23.532572
Gh	0	0	0	0
Ghdc	10.130975	8.095098	8.771514	6.932445
Ghitm	72.165214	72.148907	66.877091	47.299192
Ghr	26.576551	27.53202	19.724172	27.618365
Ghrh	0	0	0	0
Ghrhr	0	0	0	0
Ghrl	0.345754	0	0.307464	0
Ghsr	0	0	0	0

Gid4	10.60084	10.998575	7.447303	8.455854
Gid8	7.166852	11.716433	7.920401	10.61562
Gif	0	0	0	0
Gigyf1	22.970737	19.428827	18.04628	13.775199
Gigyf2	11.787004	11.37085	9.390926	9.207536
Gimap1	0.341776	0.140959	0.229032	0.622601
Gimap3	0.138613	0.306595	0.183652	0.265942
Gimap4	0.382927	1.723094	1.923605	1.393895
Gimap5	0.076512	0.338761	0.379134	0.234205
Gimap6	0.826723	3.544135	3.705559	2.850315
Gimap7	0	0	0.077607	0.089649
Gimap8	0.224219	0.545591	0.357028	0.605214
Gimap9	0.786369	1.224699	1.351143	0.960813
Gin1	1.493343	4.342173	4.236583	3.433115
Ginm1	18.004368	14.079635	14.046833	19.26054
Gins1	0	8.058601	11.177623	7.697263
Gins2	13.558105	33.63361	48.253651	29.505255
Gins3	1.093534	4.175568	4.189501	3.926025
Gins4	23.302578	33.108154	41.271915	40.479965
Gip	0	0	0	0
Gipc1	30.750166	51.701191	45.883865	40.921017
Gipc2	0	0	0.194786	0.459203
Gipc3	0	0	0	0
Gipr	17.917301	0	0.739258	6.11695
Git1	53.799404	44.727448	34.482765	32.132202
Git2	15.479001	16.050942	14.285182	13.476972
Gja1	28.804304	70.240059	55.744171	38.828144
Gja10	0	0.02795	0	0
Gja3	0	0	0	0
Gja4	1.847088	2.575494	2.079549	1.474401
Gja5	0.0775	0.340142	0.030557	0.235337
Gja6	0.294164	0.147249	0.681622	0.200378
Gja8	0	0	0	0
Gjb1	0.772423	0.34056	0.059389	6.127312
Gjb2	0.082453	0.123309	0	1.995621
Gjb3	6.428577	21.43672	16.423278	12.37902
Gjb4	8.949115	12.359263	9.348108	8.503379
Gjb5	1.508339	0.647388	0.980983	1.486054
Gjb6	0	0	0	0
Gjc1	22.808177	25.45614	22.477309	16.137335
Gjc2	0.510545	0.192876	0	0.761548
Gjc3	0	0	0	0.064511
Gjd2	0	0	0	0
Gjd3	0	0.050692	0.072951	0
Gjd4	0	0	0	0
Gje1	0	0	0	0
Gk2	0	0.022959	0.079938	0
Gk5	0.685505	0.293572	0.45867	0.647982
Gkap1	4.30718	6.398421	6.585473	7.306115

Gkn1	0	0	0	0
Gkn2	0	0	0	0
Gkn3	0	0	0	0
Gla	7.22164	9.123874	14.29507	11.819755
Glb1	14.023727	28.892989	31.136781	33.220345
Glb1l	2.01328	3.11343	4.160943	3.366767
Glb1l2	0.039319	0	0	0
Glb1l3	0	0	0	0
Glcci1	0.263713	0.265935	0.158766	0.507329
Glce	10.049267	13.746631	11.428502	10.001772
Gldc	0.181022	0.266941	0.03608	0.29975
Gldn	0	0	0	0
Gldnos	0	0	0	0
Gle1	18.275415	18.873178	15.457621	15.89605
Glg1	36.717216	39.681721	29.422947	29.879545
Gli1	0	0.23605	0.08068	0.237752
Gli2	0.073873	0.189332	0.080748	0.143176
Gli3	3.910434	5.015993	3.65852	2.657804
Glipr1	10.959715	25.008099	39.036667	26.752556
Glipr1l1	0	0	0	0
Glipr1l2	0	0	0	0
Glipr2	17.743618	35.807899	37.740845	42.635818
Glis1	1.633832	0.218183	0.15487	0.372411
Glis2	19.840569	29.481323	17.223253	21.828392
Glis3	2.347657	1.46963	0.90742	2.037814
Glmn	3.697758	6.527781	7.148835	4.039467
Glmp	74.201225	88.778992	91.397354	95.580505
Glo1	22.357553	39.575501	48.632511	31.299647
Glod4	14.049973	17.734674	24.479021	17.621902
Glod5	0	0	0	2.674139
Glp1r	0	0	0.215599	0.156351
Glp2r	0	0	0	0
Glra1	0	0	0	0
Glra2	0	0	0	0
Glra3	0	0	0	0
Glra4	0	0	0	0
Glrb	0.130879	0.05603	0.113581	0.055444
Glrp1	0.973021	3.658243	3.297549	3.007141
Glrx	29.917645	26.339685	35.258183	37.255318
Glrx2	4.221539	6.253551	6.718528	6.428993
Glrx3	54.535725	55.447399	86.421761	66.166115
Glrx5	115.07296	106.633507	122.404236	124.358322
Gls	22.03531	32.3528	31.83208	27.595245
Gls2	0.793717	1.125298	2.264402	1.666858
Glt1d1	1.584213	0.136077	0.738466	0.508826
Glt28d2	0.199158	0.279035	0.431788	0.318104
Glt6d1	0	0	0	0
Glt8d1	7.920455	10.403965	14.471116	14.223228
Glt8d2	0.138098	0.33344	0.320198	0.644866

Gltp	20.335566	31.44034	30.794426	40.369953
Gltpd2	0	0	0	0.763022
Gltscr1	3.715697	5.619245	4.041515	3.546778
Gltscr1l	7.836868	5.877908	4.320875	4.28228
Gltscr2	166.482773	86.214508	71.563721	76.942001
Glud1	43.712288	68.559296	78.163521	73.728851
Glul	56.059437	37.984009	36.44894	41.529766
Glyat	0.112978	0	0	2.174631
Glyatl3	0	0	0	0
Glycam1	0	0	0	0
Glyctk	0.219355	0.291694	0.153229	0.448488
Glyr1	41.318659	44.124769	34.808231	34.384912
Gm10007	0	0	0	0
Gm10012	37.450531	31.288721	51.391365	51.371487
Gm10024	0	0	0	0
Gm10033	0.077044	0.662732	0.762055	1.04866
Gm10037	0	0	0	0
Gm10046	0	0	0	0
Gm10052	187.59111	265.817688	249.825562	141.867935
Gm10057	0	0	0	0
Gm10058	0	0	0	0
Gm10069	1.512434	2.549443	3.133748	3.753245
Gm10081	0	0	0	0
Gm10094	128.619736	91.645767	116.093285	101.843307
Gm10096	0	0	0	0
Gm10100	0	0	0	0
Gm10104	0	0	0	0
Gm10125	0	0	0	0.145341
Gm10142	0	0	0	0
Gm10147	0	0	0	0
Gm10190	0.411482	0	0	0.10328
Gm10220	0	0	0	0.020336
Gm10228	0	0	0	0
Gm10229	0	0	0	0
Gm10230	0	0	0	0
Gm10248	0	0	0	0
Gm10256	0	0	0	0
Gm10267	0	0	0	0
Gm10272	0	0	0	0
Gm10280	0	0	0	0
Gm10318	0	0	0	0
Gm10319	0	0	0	0.293226
Gm10324	0	0	0	0
Gm10334	0	0	0	0
Gm10336	1.373819	2.793643	2.359917	2.641262
Gm10352	0	0	0	0
Gm10354	0	0	0	0
Gm10364	0.567722	0.430799	0.236608	0.719883
Gm10371	0	0	0	0

Gm10373	0	0	0	0
Gm10375	0	0	0	0
Gm10377	0	0	0	0
Gm10389	0	0.150542	0.408372	0.265731
Gm10390	0	0	0	0.044227
Gm10400	0	0	0	0
Gm10406	0	0	0	0
Gm10408	0	0	0	0
Gm10409	0	0	0	0
Gm10413	0	0	0	0
Gm10415	0	0	0	0
Gm10416	0	0.066088	0.462249	0.268819
Gm10421	0	0	0	0
Gm10432	0	0	0.05139	0
Gm10433	0	0	0.223601	0.175321
Gm10436	0	0	0	0
Gm10439	0	0	0	0
Gm10440	0	0	0	0
Gm10445	0	0	0	0
Gm1045	1.638313	15.451019	9.953032	5.081913
Gm10451	0	0	0	0
Gm10466	0	0	0	0
Gm10471	0	0	0	0
Gm10486	0	0	0	0
Gm10487	0	0	0	0
Gm10488	0	0	0	0
Gm10494	0	0	0	0
Gm10509	0.173267	0.604006	0.414694	0.217445
Gm10510	0	0	0	0
Gm10512	0	0	0.041806	0.04961
Gm10516	0.731297	1.043935	1.048762	0.905839
Gm10532	0	0.014358	0	0
Gm10536	0	0	0.011562	0
Gm10538	0	0	0	0
Gm10548	0	0.199577	0	0.143043
Gm10549	0	0	0	0
Gm10556	0	0	0	0
Gm10560	2.373288	1.628022	1.858655	2.837965
Gm10578	0	0.044258	0	0
Gm10584	0.364554	0.09364	0.220851	0.276781
Gm10591	0	0	0	0
Gm10619	0	0	0	0
Gm10635	0	0	0	0
Gm10636	0	0	0	0.066546
Gm10637	0	0	0	0
Gm10638	0.112848	0.217232	0.120618	0.658054
Gm10639	0	0	0.527913	0
Gm10640	0	0	0	0
Gm10649	0	0	0	0

Gm10653	4.29798	5.733278	5.893498	3.857576
Gm10658	0.430628	0.806242	1.499231	0.678085
Gm10662	0	0	0	0
Gm10665	0	0	0	0
Gm10666	0	0	0	0
Gm10670	0	0	0	0
Gm10677	0.163766	0.181126	0.306226	0.223807
Gm10681	0	0	0	0
Gm10684	0	0	0	0
Gm10696	0	0	0	0
Gm10697	0	0	0	0
Gm10714	0	0	0	0
Gm10731	0.40994	0.105486	0.14165	0.12357
Gm10732	0	0	0	0
Gm10745	0	0	0	0
Gm10754	0	0	0	0
Gm10767	0.884063	0.889242	0.53626	0.52855
Gm10768	0.024256	0.186358	0	0.792852
Gm10778	0	0.325542	0.882289	0.455659
Gm10782	0	0	0.166357	0
Gm10785	1.147716	1.06451	0.6548	0.761684
Gm10787	0	0	0	0
Gm10789	0	0	0	0
Gm10790	0	0	0	0
Gm10791	2.551215	1.793687	1.442427	2.95431
Gm10804	0	0	0	0
Gm10814	0.547095	0.911556	0.399945	0.480547
Gm10823	0	0	0	0
Gm10825	0	0	0	0
Gm10845	0	0	0.018162	0.03806
Gm10857	0	0.017906	0	0
Gm10863	0	0	0.22505	0
Gm10865	0	0	0	0.486956
Gm10872	1.220057	0.258552	0.551752	0.634431
Gm10921	0	0	0	0
Gm10922	0	0	0	0
Gm10941	0	0.903079	3.925494	1.75681
Gm1110	0	0	0	0
Gm11110	1.896518	1.106623	1.304145	1.29664
Gm11127	2.231102	0	0	0
Gm11128	0	0	0	0.070458
Gm11149	0	0	0	0
Gm11166	0	0	0	0
Gm11186	0	0	0	0
Gm11190	0	0	0	0
Gm11201	0	0	0.073561	0.175035
Gm11213	0	0	0	0
Gm1123	0	0	0	0
Gm11236	0	0	0	0

Gm11237	0	0	0	0
Gm11240	0	0	0	0
Gm11346	0	0	0	0
Gm11351	0	0	0	0
Gm1140	0	0	0	0
Gm1141	0	0.136952	0	0.297242
Gm11413	0	0	0	0.149379
Gm11423	5.77819	2.835185	7.728592	7.435245
Gm11426	0	0	0	0
Gm11437	0	0	0	0
Gm11468	1.75841	0	0	0
Gm11487	0	0	0	0
Gm11517	2.771938	2.310745	0.986631	1.664947
Gm11529	0	0	0	0
Gm11538	0	0	0	0
Gm11541	0	0	0	0
Gm11544	0	0	0	0
Gm11545	1.171905	0.768015	1.205477	1.588486
Gm11548	0	0	0	0
Gm11549	0	0	0	0.115096
Gm11554	0	0	0	0.024901
Gm11559	0	0	0	0
Gm11562	0	0	0	0.023975
Gm11563	0	0	0	0
Gm11564	0	0	0	0
Gm11565	0	0	0	0
Gm11567	0	0	0	0
Gm11568	0	0	0	0
Gm11569	0	0	0	0
Gm11595	0	0.035357	0	0
Gm11596	0	0	0	0
Gm11627	0.495617	1.627795	2.252855	2.669249
Gm11651	0	0	0	0
Gm11665	0	0	0	0
Gm11681	0	0	0	0
Gm11696	0.237673	0.395696	0.390492	1.107031
Gm11710	0	0	0	0
Gm11711	0	0.566066	0	0
Gm11715	0	0	0	0
Gm11729	0	0	0	0
Gm11733	0	0	0	0
Gm11744	0	0.465455	0.896722	2.02898
Gm11747	0	0	0.142138	0.126034
Gm11757	0	0	0	0
Gm11758	0	0	0	0
Gm11762	0	0	0.259542	0
Gm11780	0	0	0	0
Gm11837	0	0	0	0
Gm11937	0	0	0	0.048858

Gm11938	0	0	0	0
Gm11944	0.545313	1.130792	1.174075	1.472981
Gm11961	0	0	0	0
Gm11974	86.776733	44.303234	71.25647	64.01432
Gm11978	0	0	0	0
Gm11981	0	0	0	0
Gm11985	0	0	0	0
Gm11992	0	0	0	0
Gm12	0	0	0	0
Gm12018	0	0	0	0
Gm12060	2.557832	0.982672	1.93173	2.39148
Gm12070	2.606283	0.88817	0.957633	1.011946
Gm12108	0	0	0	0
Gm12128	0	0	0	0
Gm12130	0	0	0	0
Gm12159	0	0	0	0
Gm12169	0	0	0	0
Gm12171	0	0	0	0
Gm12185	0	0.114358	0.018379	0.181871
Gm12191	1.107252	5.777547	0.30982	0.58048
Gm12216	0.387142	0	0.299212	0.922624
Gm12238	1.70509	0	0.810107	0.418162
Gm12250	0	0.781578	0.313699	0.879027
Gm12253	0	0	0	0
Gm12295	0	0	0	0
Gm12298	0	0	0	0
Gm12338	113.296402	106.33976	162.346725	173.872726
Gm12359	0.247594	0.449055	0.413034	0.617308
Gm12409	0	0	0	0
Gm12440	0	0	0	0
Gm12504	0.775245	0.835826	1.008258	0.823938
Gm12505	0	0	0	0
Gm12522	0	0	0	0
Gm12530	0	0	0	0
Gm12596	0	0	0	0
Gm12603	2.622644	13.451697	23.050282	16.525368
Gm12633	0	0	0	0
Gm12657	0	0	0	0
Gm12669	6.643304	7.677096	6.940948	7.945261
Gm12695	0	0	0	0
Gm12709	0	0	0	0
Gm12718	0	0	0	0
Gm12789	0	0	0	0
Gm12794	0	0	0	0
Gm128	0.468349	0	0.133992	0.688249
Gm12830	0	0	0	0
Gm12866	0	0	0	0
Gm12886	0	0	0	0
Gm12887	0	0	0	0

Gm12888	0	0	0	0
Gm12942	1.251713	3.128085	3.417097	4.343821
Gm12992	3.098651	3.432065	1.835776	2.563448
Gm13003	0	0	0	0.118121
Gm13023	0	0	0	0
Gm13030	0	0	0	0
Gm13031	0	0	0.319042	0.314087
Gm13032	0	0.063612	0	0
Gm13034	0.635823	1.182664	0.95579	0.832618
Gm13040	0	0	0	0
Gm13043	0	0	0	0
Gm13051	0	0	0	0
Gm13057	0	0	0	0
Gm13078	0	0	0	0
Gm13083	0	0	0	0
Gm13084	0	0	0	0
Gm13088	0	0	0	0
Gm13090	0	0	0	0
Gm13102	0	0	0	0
Gm13103	0	0	0	0
Gm13119	0	0	0	0
Gm13124	0	0	0	0
Gm13125	0	0	0	0
Gm13128	0	0	0	0
Gm13139	0.37366	0.267896	1.803026	2.848095
Gm13152	0	0	0	0.224005
Gm13154	0.105942	0	0	0
Gm13157	1.542866	2.765014	3.504607	2.250834
Gm13177	0	0	0	0
Gm13178	0	0	0	0
Gm13212	0.420795	0.387	0.607963	0.413172
Gm1322	0	0	0	0
Gm13238	0.448165	1.076008	0.415721	0.561035
Gm13242	0	0	0	0
Gm13247	0	0	0	0
Gm13251	0.470677	0.768464	0.895121	0.873864
Gm13271	0.030087	0	0	0.143786
Gm13272	0	0	0.002509	0
Gm13275	0.031508	0.047719	0.053504	0.052174
Gm13276	0.021467	0.018138	0.068725	0.078092
Gm13277	0.016766	0.026844	0.054129	0.033693
Gm13278	0.010169	0.018138	0	0
Gm13279	0.009966	0.01315	0.033912	0.01499
Gm13283	0.020367	0	0.002509	0.142663
Gm13285	0	0	0.002535	0
Gm13286	0	0	0	0
Gm13287	0	0	0.007416	0
Gm13288	0	0	0.000006	0
Gm13289	0.029898	0.170943	0.132879	0.058464

Gm13290	0	0	0.0016	0
Gm13293	0	0	0	0
Gm13304	0	0	0	0
Gm13305	0	0	0	0
Gm13306	0	0.219618	0.214354	0.298177
Gm13308	0	0.070616	0.458384	1.035736
Gm13315	0.107827	0.17377	0.172673	0.034184
Gm13363	0	0	0	0
Gm13375	2.265127	2.924235	2.51495	2.274795
Gm13446	0	0	0	0.085484
Gm13483	0	0.529524	0	0
Gm13490	0	0	0	0
Gm13497	0	0	0	0
Gm13498	4.679736	4.975115	3.609246	3.10936
Gm13539	0	0	0	0
Gm13544	0	0	0	0
Gm13546	0	0	0.145399	0.509024
Gm13547	0	0	0	0
Gm13580	0	0	0	0
Gm13582	0	0	0	0
Gm136	0	0	0	0
Gm13629	0	0	0	0
Gm13710	0	0	0	0.41959
Gm13749	0	0	0	0.283191
Gm13752	0	0	0	0
Gm13769	0	0	0	0
Gm13807	0.173333	0	0	0.088447
Gm13830	0.05116	0.093421	0.105957	0.246133
Gm13871	0	0	0	0
Gm13889	1.093698	2.864958	1.623848	1.11141
Gm13944	0	0	0	0
Gm13985	0	0	0	0.043696
Gm13986	0	0	0	0.082098
Gm14005	56.206207	75.947756	80.562212	92.508546
Gm14015	0	0	0	0
Gm14023	0	0	0	0
Gm14057	0.527712	0.405351	0.680876	0.732606
Gm14085	0.165622	0.300027	0.416054	0.229483
Gm14092	0	0	0	0
Gm14124	0	0	0	0
Gm14137	2.537544	4.506373	3.336627	3.615453
Gm14139	0	0	0	0
Gm14151	0	0	0	0
Gm14164	0	0	0	0
Gm14169	0	0	0	0
Gm14204	0	0	0	0
Gm14207	0.255785	0.327484	0.741114	0.885461
Gm14288	0	0	0.225509	0.262137
Gm14295	0	0.41755	0.557699	1.056424

Gm14296	0	0	0	0.288241
Gm14305	0.264598	0	0	0.663152
Gm14308	0	0	0.109708	0.397094
Gm14322	0	1.191889	1.736208	1.799915
Gm14325	1.456609	3.054013	3.78675	2.719395
Gm14326	0.66361	1.640546	2.078396	2.15164
Gm14327	0	0.163771	0	0
Gm14345	0	0	0	0
Gm14346	0	0	0	0
Gm14347	0	0	0	0
Gm14351	0	0	0	0
Gm14374	0	0	0	0
Gm14379	0	0	0.254464	0.123628
Gm14391	0	0	2.608619	0.533768
Gm14393	0	0	0	0
Gm14403	0.787722	0.789441	1.030828	1.57281
Gm14405	0	0	0	0
Gm14420	2.245483	2.477414	2.592239	3.091557
Gm14430	0	0	0.148156	0.337281
Gm14431	0	0	0	0
Gm14434	0	0	0.206245	0.346291
Gm14436	0	0	0	0
Gm14440	0	0	0.3815	0.376025
Gm14458	0	0	0	0
Gm14459	0	0	0	0
Gm14461	0	0	0	0
Gm14474	0.442448	0	0	0
Gm14475	0.102849	0	0	0
Gm14476	0	0	0	0
Gm14477	0	0	0	0
Gm14478	0	0	0	0
Gm14479	0	0	0	0
Gm14482	0	0	0	0
Gm14483	0	0	0	0
Gm14484	0.438866	0	0	0
Gm14496	0	0	0	0
Gm14499	0	0	0	0
Gm14501	0.448194	0	0	0
Gm14511	0	0	0	0
Gm14525	0	0	0	0
Gm14548	0	0.040742	0.415858	0.816544
Gm14625	0	0	0	0
Gm14632	0	0	0	0
Gm14634	0	0	0	0.069848
Gm14635	0	0	0	0
Gm14685	0	0	0	0
Gm14692	0	0	0	0
Gm14718	0	0	0	0
Gm14725	0	0	0	0

Gm14743	0	0	0	0
Gm14744	0	0	0	0
Gm14781	0	0	0	0
Gm14812	0	0	0	0
Gm14819	0	0	0	0
Gm14827	0	0.065198	0.079067	0.140802
Gm14850	0	0	0	0
Gm14851	0	0	0	0
Gm14858	0	0	0	0
Gm14920	0	0	0	0
Gm15008	0	0	0	0
Gm15023	0	0	0	0
Gm15056	0	0	0	0
Gm15080	0	0	0	0
Gm15085	0	0	0	0
Gm15091	0	0	0	0
Gm15093	0	0	0	0
Gm15097	0	0	0	0
Gm15104	0	0	0	0
Gm15107	0	0	0	0
Gm15114	0	0	0	0
Gm15127	0	0	0	0
Gm15133	0	0	0	0
Gm15140	0	0	0	0
Gm15179	0	0	0	0
Gm15217	0	0	0	0
Gm1527	0	0	0	0
Gm15284	0	0	0	0
Gm15292	0	0	0	0
Gm15293	0	0	0	0
Gm15299	0	0	0	0
Gm15308	0	0	0	0
Gm15315	0	0	0	0
Gm15319	0	0	0	0
Gm15326	0	0	0	0
Gm15328	0	0.070501	0	0.116464
Gm15348	0	0	0	0
Gm15350	0	0	0	0
Gm15386	0	0	0	0
Gm15401	0	0	0	0
Gm15408	0	0.213734	0.39184	0.250862
Gm15412	0	0	0	0
Gm15413	0.764526	0.302937	0.761064	0.587377
Gm15417	8.506007	5.190347	6.932547	9.506086
Gm15421	20.619493	26.339039	40.393425	26.611866
Gm15441	0.592399	0	0.323373	0.234532
Gm15446	0	1.501376	1.745765	1.100395
Gm15455	1.133298	2.061261	1.333759	1.490856
Gm15471	0	0	0	0

Gm1553	0	0	0	0
Gm15545	3.227572	2.833513	3.679026	2.375623
Gm156	0	0	0	0
Gm15612	0	0	0	0.104611
Gm1564	0	0	0	0
Gm15645	1.195674	2.448578	2.46893	1.804979
Gm15663	0	0	0	0
Gm15679	0	0	0	0
Gm15694	3.462089	1.370143	1.351033	1.453197
Gm15698	0	0	0	0.209939
Gm15706	1.195415	0.992879	0.736775	0.851651
Gm15708	2.224203	1.348833	0.891458	0.913705
Gm15713	0	0	0	0
Gm15760	0.470082	0.613668	0.484843	0.844899
Gm15772	4609.983398	2667.382812	4051.517822	3627.89502
Gm15787	0.247361	0.440873	0.375454	0.160224
Gm15800	4.032489	3.883077	3.344469	3.823687
Gm15816	0.005062	0.463328	0	0.01277
Gm15850	0	0	0	0
Gm15867	11.445416	6.672843	4.056494	6.523632
Gm1587	0	0	0	0
Gm15880	0.238722	0.286419	0.080135	0.525006
Gm15881	0	0	0.024267	0
Gm15908	0.282952	0.800865	0	0.292052
Gm15910	0.357253	0.171257	0.127683	0.453003
Gm15915	0	0	0	0.063924
Gm15941	0	0	0	0
Gm15972	0	0	0	0.41206
Gm15987	0	0	0	0.267507
Gm15997	0	0	0	0
Gm1600	0	0	0	0
Gm16023	0.695176	1.235418	0.375288	1.20157
Gm1604b	0	0	0	0
Gm16062	3.473056	7.910718	11.457049	15.412516
Gm16063	0	0	0	0
Gm16070	0	0	0	0
Gm16130	0	0	0	0
Gm16157	0	0	0	0
Gm16159	0	0	0	0
Gm16223	0	0	0	0
Gm16287	0	0.17809	0	0.049994
Gm16291	0	0	0	0
Gm16294	0	0	0	0
Gm16325	0	0	0.046542	0
Gm16336	0	0	0	0
Gm16367	0	0	0	0
Gm16381	0	0	0	0
Gm16386	0.179663	0.529101	0.603983	0.383916
Gm16404	0	0	0	0

Gm16405	0	0	0	0
Gm16430	0	0	0	0
Gm16432	0	0	0	0
Gm16442	0	0	0	0
Gm16445	0	0	0	0
Gm16451	0	0	0	0
Gm1647	0	0	0	0
Gm16497	0	0	0	0
Gm16501	0	0	0	0
Gm16513	0	0	0	0
Gm16523	0.079287	0.008932	0.010366	0.054337
Gm1653	0	0	0	0.04789
Gm16532	0	0	0	0
Gm16548	0	0.205135	0.189199	0.271893
Gm16551	0.091042	0	0	0.10721
Gm16576	0.803751	0.976187	0.906837	0.736246
Gm16596	2.203058	1.537976	2.426919	2.690314
Gm166	2.770304	1.654749	2.57393	4.098554
Gm1661	0	0	0	0
Gm16617	1.762113	4.530724	3.776192	1.958091
Gm16675	0.969294	0.927708	0.888102	1.035021
Gm16677	0	0	0	0
Gm16701	0	0	0.366859	1.544514
Gm16702	0	0.021357	0	0.087649
Gm16712	0.103352	0.345698	0.234937	0.343305
Gm1673	4.957728	7.139381	8.431179	7.701225
Gm16740	2.759125	1.588788	1.682691	2.198993
Gm16793	0	0.863601	0.892027	0.655044
Gm16796	0.077904	0	0.077564	0.123699
Gm16833	0	0	0	0
Gm16845	2.130594	1.362177	2.223237	2.866388
Gm16853	0	0	0	0
Gm16861	0.545926	1.362871	0.765207	1.507969
Gm16863	0	0	0	0
Gm16894	0	0	0	0.928782
Gm16897	0	0	0	0
Gm16907	0.507527	0.722463	0.435769	0.887612
Gm16938	0.062105	0.053353	0.106296	0.177025
Gm16973	3.144995	4.065724	5.163585	5.258985
Gm16982	0.252859	0.246464	0.280413	0.087434
Gm16998	0	0	0	0.094379
Gm17019	0	0	0	0
Gm17026	0	0	0	0
Gm17066	4.002601	3.848185	5.098012	4.776031
Gm1715	0	0	0	0
Gm1720	0	0	0	0
Gm17252	0	0	0	0
Gm17296	1.210716	3.392052	3.061956	2.022
Gm17359	0	0	0	0

Gm17365	0	0	0	0
Gm17455	0	0	0	0.203186
Gm17644	0	0	0	0
Gm17660	0	0	0	0
Gm17677	0	0	0	0
Gm17689	0	0	0	0
Gm17727	0	0	0	0
Gm17745	0	0	0.78403	2.062857
Gm17746	0.177773	0	0	0.331971
Gm17750	0	0	0	0
Gm17751	0	0	0	0
Gm17757	0	0.221382	0.073614	0.28461
Gm17762	1.087046	0.898282	1.016293	1.13051
Gm17769	0.193269	0.231008	0.057616	0.058858
Gm17801	0	0	0	0.25344
Gm17821	0.012208	0.000846	0.000491	0
Gm17830	0	0	0	0
Gm1821	1497.009552	972.572235	956.166641	965.804397
Gm18409	0	0	0	0
Gm18853	0	0	0	0
Gm19276	0	0.257676	0.112445	0
Gm19277	0	0	0	0
Gm19299	0	0	0.06863	0.161254
Gm19303	0	0	0	0
Gm19345	0.266258	0.257069	1.156642	0.404791
Gm19395	0	0	0.139286	0
Gm19402	0	0	0	0
Gm19424	0	0	0	0
Gm1943	5.162154	4.582363	4.79216	4.419108
Gm19434	0	0	0	0.157971
Gm19461	0	0	0	0.09276
Gm19466	0	0	0	0
Gm19510	0	0	0	0
Gm19522	0	0	0	0.11471
Gm19557	0.308201	0.951367	1.002134	1.006541
Gm19583	0	0	0	0
Gm19589	0	0.482003	0.618997	0.265054
Gm19619	0	0	0	0.076697
Gm1965	0	0	0	0
Gm1966	0.121761	0.945123	1.02474	1.549325
Gm19668	0	0	0	0
Gm1968	0	0	0	0
Gm19689	0	0	0	0.09063
Gm19705	5.106313	5.798725	7.052444	8.032597
Gm19710	1.0179	1.271782	0.807668	1.600147
Gm19757	0	0	0	0
Gm1976	2.934201	4.185504	5.823939	3.613482
Gm19782	0	0	0	0
Gm19784	0	0	0	0

Gm1979	0	0	0	0.245121
Gm1987	0	2.624156	0	0
Gm19897	0.186105	0.391095	0.269949	0.435074
Gm1993	0	0	0	0
Gm1995	0.022298	0	0	0.010964
Gm19990	0	0	0	0
Gm2002	0	0	0	0
Gm20063	0	0	0	0
Gm20098	0	0	0	0
Gm2011	0	0	1.694889	0
Gm20110	0	0	0	0
Gm2012	0	0	0	0
Gm20125	0	0	0	0
Gm20139	0	0	0	0.018699
Gm2016	0	0	0	0.31774
Gm20172	0	0	0	0
Gm20187	0	0	0	0
Gm20199	0.28482	0.195319	0.070304	0.043565
Gm20219	8.190562	2.355225	1.236249	3.000213
Gm2022	0	0	0	0.262713
Gm20257	1.769226	1.963089	2.859112	3.442498
Gm20268	0	0	0	0
Gm2027	0.485768	0.243212	0.231441	0.222963
Gm2030	0	0	0	0
Gm20300	0.579572	0.944288	1.234099	1.069752
Gm20319	0	0	0	0.104968
Gm20324	1.099427	1.021181	1.269207	1.076834
Gm20337	0.8233	1.219612	1.090047	0.457434
Gm20356	0	0	0	0
Gm20362	0	0	0	0
Gm2042	0	0	0	0
Gm20554	0	0	0	0
Gm20556	0	0	0	0
Gm20594	0	0.061822	0	0.429822
Gm20597	0	0.058469	0	0
Gm20604	1.834264	3.573163	3.836078	2.311296
Gm20605	3.145196	7.561946	2.260262	5.106423
Gm2061	0	0	0	0
Gm20611	0	0	0	0
Gm20735	0	0	0	0
Gm20736	0	0	0	0
Gm20738	0	0	0	0
Gm20740	0	0	0	0
Gm20741	0	0	0	0
Gm20743	0	0	0	0
Gm20744	0	0	0.075006	0
Gm20745	0	0	0	0
Gm20747	0	0	0	0
Gm20750	0	0	0	0

Gm20751	0	0	0	0
Gm20752	0	0	0	0
Gm20753	0	0	0	0
Gm20754	0	0	0	0
Gm20755	0	0	0	0
Gm20756	0	0	0	0
Gm20757	0	0	0	0
Gm20758	0	0	0	0
Gm20759	0	0	0	0
Gm20765	0	0	0	0
Gm20767	0	0	0	0
Gm20806	0	0	0	0
Gm20809	0	0	0	0
Gm20815	0	0	0	0
Gm20816	0	0	0	0
Gm20822	0	0	0	0
Gm20823	0	0	0	0
Gm20826	0	0	0	0
Gm2083	0	0	0	0
Gm20831	0	0	0	0
Gm20854	0	0	0	0
Gm20857	0	0	0	0
Gm20858	0	0	0	0
Gm20865	0	0	0	0
Gm20867	0	0	0	0
Gm2087	0	0	0	0
Gm20871	0	0	0	0
Gm20877	0	0	0	0
Gm20878	0	0	0	0
Gm20917	0	0	0	0
Gm20939	0.174795	0.68173	1.15575	0.669546
Gm21002	0	0	0	0
Gm21057	0	0	0	0
Gm2109	0	0	0	0
Gm21119	0	0	0	0
Gm2115	0.716049	2.857376	1.766837	1.130275
Gm21188	0	2.294079	2.064492	3.142556
Gm21221	0	0	0	0
Gm21269	0	0	0	0
Gm21276	0	0	0	0
Gm21283	0	0	0	0
Gm21284	0	0.034043	0.039334	0.022665
Gm21293	0	0	0	0
Gm21304	0	0	0	0
Gm21312	0	0	0	0
Gm21319	0	0.030965	0	0
Gm21379	0	0	0	0
Gm21498	0	0	0	0
Gm21541	0	0.499082	0	0

Gm21586	0	0	0	0
Gm21637	0	0	0	0
Gm21671	0	0	0	0
Gm21677	0	0	0	0
Gm21693	0	0	0	0
Gm21704	0	0	0	0
Gm21708	0	0	0	0
Gm2176	0	0.097875	0	0
Gm21859	0	0	0	0.110347
Gm21943	0	0	0	0
Gm21944	0	0	0	0
Gm21949	0	0	0	0
Gm21950	0	0	0	0
Gm21951	0	0	0	0
Gm21975	1.548959	4.726087	2.931205	0.701884
Gm21992	0	2.261518	1.199684	0.564168
Gm22109	0	0	0	0
Gm22291	0	0	0	0
Gm22650	0	0	0	0
Gm23284	0	0	0	0
Gm23363	0	0	0	0.097963
Gm23450	0	0	0	0.184264
Gm2381	0	0	0	0
Gm24148	0.662925	0.819713	1.518569	1.412256
Gm2447	0	0	0	0
Gm24572	0.314903	0.191894	0.132939	0.272628
Gm25018	0	0	0	0
Gm2506	0	0.344249	0.428478	0.463444
Gm2516	0	0	0	0
Gm2518	0.138651	0.190576	0.039743	0.363576
Gm25212	0	0	0	0
Gm25285	0	0	0	0
Gm25500	0	0	1.246347	0.078703
Gm2560	0	0	0	0
Gm26391	0	0	0	0
Gm266	0.28169	0.453971	0.162113	0.525495
Gm2663	0	0	0	0
Gm26688	0	0.24245	0.0809	0.111052
Gm26705	0.203613	0.587206	0.393152	0.424943
Gm2694	0	0	0	0
Gm2696	0	0	0	0
Gm27162	0	0	0	0
Gm2721	0	0	0	0
Gm2762	0	0	0	0
Gm27740	0.396434	0	0.006792	0
Gm27775	0.264288	0	0.004528	0
Gm2799	0	0	0	0
Gm28042	3.380785	2.018928	1.88962	1.523016
Gm2825	0	0	0	0

Gm2837	0	0	0	0
Gm2848	0	0	0	0.20975
Gm2863	0	0	0	0
Gm2897	0	0	0	0
Gm28979	0	0	0	0
Gm29089	0	0	0	0
Gm2913	0	0	0	0
Gm2927	0	0	0	0
Gm2933	0	0	0	0
Gm29682	0	0	0	0
Gm29683	0	0	0	0
Gm29684	0	0	0	0
Gm29685	0	0	0	0
Gm29687	0	0	0	0
Gm29766	6.884086	5.281479	4.753023	4.295745
Gm29805	0	0	0	0
Gm29811	0	0.278088	0	0.447396
Gm2a	25.854336	34.376911	47.260578	85.817284
Gm3002	0	0	0	0
Gm3020	0	0	0	0
Gm30332	0	0	0	0
Gm30498	0	0	0	0
Gm30505	0	0	0	0.130371
Gm3086	0.889733	0.810742	1.158336	0.739405
Gm3139	0	0	0	0
Gm3143	0	0	0	0
Gm31763	0.711521	0	0.27426	0.278966
Gm32014	0	0	0	0
Gm3219	24.595531	13.667604	13.872294	17.347647
Gm3230	0.165812	0.108709	0.045193	0.131328
Gm3238	0	0	0	0
Gm32511	0	0	0	0
Gm3258	5.403949	4.039834	7.641499	6.809326
Gm3259	0	0	0	0
Gm3264	0	0	0	0
Gm3279	0	0	0	0
Gm3285	0	0	0	0
Gm3286	0	0	0	0
Gm3317	0	0	0	0
Gm3336	0	0.49844	0.164709	0.299731
Gm3363	0	0	0	0
Gm3376	0	0	0	0
Gm3383	0	0	0	0
Gm3402	0	0	0	0
Gm3404	0	0	0	0
Gm3409	0	0	0	0
Gm3414	0.156412	0.069571	0.267453	0.211965
Gm3415	0	0	0	0
Gm3417	0.202232	0	0	0.621287

Gm3428	0	0	0	0
Gm3434	0	0	0	0
Gm3435	3.170647	3.423898	4.817984	1.219257
Gm3448	1.294142	0	0	0
Gm3458	0	0	0	0
Gm3488	0	0	0	0
Gm3500	0	0	0	0
Gm3558	0	0	0	0
Gm35612	0	0	0	0
Gm3604	0	0	0.18355	0.291244
Gm362	0	0	0	0
Gm3636	0	0	0.104305	0
Gm364	0	0	0	0
Gm3646	0	0	0	0
Gm36633	0	0	0	0
Gm3696	0	0	0	0
Gm3701	0	0	0	0
Gm37013	0	0	0	0
Gm3704	0.084664	0.036735	0.106016	0.176224
Gm3706	0	0	0	0
Gm3716	0	0.205841	0.393432	0.652485
Gm3750	0	0	0	0
Gm3763	0	0	0	0
Gm3772	0	0	0	0
Gm3776	0	0.832071	0.759536	0.442446
Gm382	0	0	0	0
Gm38397	0	0	0	0
Gm38402	0	0	0.063252	0.037279
Gm38403	0	0	0.145406	0.251278
Gm38404	0	0	0	0
Gm38407	0	0	0	0
Gm38413	0	0	0	0
Gm38415	0	0	0	0
Gm38416	0	0	0	0
Gm38425	0	0	0	0
Gm38426	0.716439	0.169137	0.07029	2.574394
Gm38431	0	0.002611	0.380279	0.219116
Gm38436	0	0	0	0
Gm38437	0	0	0	0
Gm38509	0	0	0	0
Gm38666	0	0	0	0
Gm38670	0	0	1.944093	0
Gm38671	0	0	0	0
Gm3893	0	0	0	0
Gm3985	0	0	0	0
Gm4013	1.285472	2.494053	1.202637	4.593235
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Gm4064	0	0	0	0
Gm4070	0	0	0.000448	0.011402

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Gm4133	0	0	0	0
Gm4141	0	0	0	0
Gm4175	0	0	0	0
Gm4177	0	0	0	0
Gm4187	0	0	0	0
Gm4201	0	0	0	0
Gm4214	0	0	0	0
Gm4216	0	0	0	0
Gm4224	0	0	0	0
Gm4251	0	0	0	0
Gm4262	0.547827	0.522012	0.476533	0.494812
Gm4265	0	0	0	0
Gm4278	0	0	0	0
Gm428	0	0	0	0
Gm4285	2.770865	1.454554	2.47883	2.054867
Gm4297	0	0	0	0
Gm4301	0	0	0	0
Gm4302	0	0	0	0
Gm4303	0	0	0	0
Gm4305	0	0	0	0
Gm4307	0	0	0	0.121614
Gm4312	0	0	0	0
Gm4340	0	0	0	0
Gm4349	0.937202	0	0	0.963239
Gm436	0	0	0	0
Gm4371	0	0	0	0
Gm438	0	0	0	0
Gm44	0	0	0	0
Gm4432	0.540719	0.29676	0.104516	0.238953
Gm4461	0.012718	0.058335	0	0.053202
Gm4477	0.140928	0	0	0
Gm4489	0	0	0	0
Gm4498	0	0	0	0
Gm4532	3.475048	1.987549	5.295741	6.116392
Gm4541	0	0	0	0
Gm4559	0	0	0	0
Gm4566	0	0	0	0
Gm4567	0	0	0	0
Gm4598	0	0	0	0.160515
Gm4710	0	0	0	0
Gm4719	0	0	0	0
Gm4724	0	0	0.708351	0.453549
Gm4736	0	0	0	0
Gm4737	19.982077	35.205322	36.02166	21.555971
Gm4759	0	0	0	0
Gm4763	0	0	0	0
Gm4787	0.197211	0.096629	0.746256	0.476408
Gm4788	0.094405	0	0.102338	1.352508

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Gm4792	0	0	0	0
Gm4794	0	0	0	0
Gm4814	0	0	0	0
Gm4827	0	0	0	0
Gm4832	1.61631	1.128801	1.947959	1.690929
Gm4836	0	0	0	0
Gm4841	0	0.224055	0	0
Gm4846	0	0	0	0
Gm4847	0	0	0	0
Gm4850	0	0	0	0
Gm4858	0	0	0	0.174666
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Gm4871	0	0	0	0
Gm4872	0	0	0	0
Gm4884	0	0	0	0
Gm4890	0	0.208772	0	0.486528
Gm4894	0	0	0	0
Gm4906	0.032286	0	0	0
Gm4907	0	0.080323	0	0
Gm4922	0	0	0	0
Gm4925	0	0.02718	0.124077	0.305152
Gm4926	0	0	0	0
Gm4944	0.413832	0.852518	1.11922	0.681639
Gm4951	0.086672	0.191848	0.216145	1.403663
Gm4952	0	0	0	0.991015
Gm4956	0	0	0	0
Gm4961	0	0	0.109183	0.269441
Gm4971	0	0	0.091869	0.018048
Gm4980	0.5861	0.39956	0.188514	0.699501
Gm4981	0.006833	0	0	0
Gm4984	0.211318	0.1357	0.052496	0
Gm5	0	0	0	0
Gm5039	0.100189	0.225632	0.062648	0.187247
Gm5065	0	0	0	0
Gm5069	0.458716	0.236953	0.254849	0.336712
Gm5071	0	0	0	0
Gm5072	0	0	0	0
Gm5082	0	0	0	0
Gm5083	0	0	0	0
Gm5084	0	0	0	0
Gm5086	0	0.355482	0.298665	0.22376
Gm5087	0	0	0	0
Gm5088	30.417057	23.491554	16.830633	15.261724
Gm5089	0	0	0	0
Gm5091	0	0	0	0
Gm5095	0	0	0	0
Gm5105	0	0.152867	0	0
Gm5108	0	0	0	0

Gm5111	0	0	0	0
Gm5113	0.049939	0.947872	0.672564	0.704653
Gm5114	0	0	0	0
Gm5122	0	0.051837	0	0.318169
Gm5124	0	0	0	0
Gm5126	0	0	0	0
Gm5127	0	0	0	0
Gm5128	0	0	0	0
Gm5129	2.124612	0.844354	0.163323	0.096257
Gm5132	0	0	0	0
Gm5134	0	0	0	0
Gm5136	0	0	0	0
Gm5141	0.174702	0.202547	0.180208	0.272958
Gm5142	0	0	0	0
Gm5144	0	0	0.331437	0
Gm5148	0	0	0	0
Gm5150	2.882791	9.094853	9.501388	13.886742
Gm5166	0	0	0	0
Gm5168	0	0	0	0
Gm5169	0	0	0	0
Gm5176	0.142091	0.8283	0.441235	2.448498
Gm5177	0.133192	0.098272	0.051663	0.04212
Gm525	0	0	0	0
Gm527	1.947844	1.207417	0.905179	1.452604
Gm5294	0	0	0	0
Gm53	0	2.135823	0	0
Gm5334	0	0	0	0
Gm5346	0	0	0	0
Gm5347	0	0	0	0
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Gm5409	0	0	0	0
Gm5414	0	0	0	0
Gm5415	0.053062	0.003773	0.004379	0.017207
Gm5416	0	0	0	0
Gm5420	0	0	0	0
Gm5424	3.863349	9.901267	3.773066	18.117243
Gm5431	0	0.357723	0.330218	0.453797
Gm5434	0.408683	0.989518	0.829181	0.96361
Gm5441	0	0	0	0
Gm5458	0	0	0	0
Gm5460	0	0	0	0
Gm5464	0.154454	0.015219	0	0
Gm5468	0	0	0	0
Gm5475	0	0	0	0
Gm5476	0	0	0	0
Gm5477	0	0	0	0
Gm5478	0	0	0	0
Gm5483	0	0.975966	2.775665	1.781119
Gm5485	0	0	0	0

Gm5512	1.225314	3.790551	4.216488	3.376995
Gm5523	3.206494	1.105989	1.278046	1.060475
Gm5532	0.281873	0.264605	0.920156	0.582091
Gm5535	0	0	0	0.266851
Gm5538	0	0	0	0
Gm5544	0	0	0.221063	0.716584
Gm5547	0	0	0	0
Gm5549	0	0	0	0
Gm5577	0.555787	1.716873	2.826467	0.810893
Gm5591	0	0	0	0
Gm5592	0	0	0	0
Gm5595	0.375845	0.308042	0.442524	0.655425
Gm5607	0.004857	0.006629	0.001215	0.005441
Gm561	27.18894	34.792244	42.403034	54.276611
Gm5615	0	0	0	0
Gm5617	11.672762	7.48034	14.329136	18.002903
Gm5622	0	0	0	0.045891
Gm5627	0	0	0	0
Gm5634	0	0	0	0
Gm5635	0	0	0	0
Gm5640	0	0	0	0
Gm5643	19.156451	25.474171	25.948912	14.347105
Gm5662	0	0	0	0.059459
Gm5712	0	0	0	0
Gm572	0	0	0	0
Gm5725	0	0	0	0
Gm5726	0	0	0	0
Gm5728	0	0	0	0
Gm5741	0	0	0	1.215135
Gm5766	0.089539	0.026461	0.022375	0.078905
Gm5771	0	0	0	0
Gm5779	0.086688	0.135514	0.313403	0.182456
Gm5795	0	0	0	0
Gm5796	0	0	0	0
Gm5797	0	0	0	0
Gm5800	0	0	0	0
Gm5801	17.667292	9.889971	12.434036	13.40332
Gm5803	11.030077	14.417778	14.866025	8.028211
Gm5820	0	0	0.044731	0.184719
Gm5833	0	0	0	0
Gm5860	0	0	0	0
Gm5861	0	0	0	0
Gm5862	0	0	0	0
Gm5868	0	0	0	0
Gm5878	0	0	0	0.018752
Gm5885	0	0	0	0
Gm5886	0.580387	0.521999	0	3.71206
Gm5891	0	0	0	0
Gm5893	0	0	0	0

Gm590	0	0	0	0
Gm5901	0	0	0	0
Gm5907	0	0	0	0
Gm5916	0	0	0	0
Gm5925	0	0	0	0
Gm5934	0	0	0	0
Gm5935	0	0	0	0
Gm5936	0	0	0	0
Gm5938	0	0	0	0
Gm5941	0	0	0	0.104021
Gm595	0	0	0	0
Gm597	0	0	0	0
Gm6026	0	0	0	0
Gm6034	0	0	0	0
Gm6040	0	0	0	0
Gm6042	0	0	0	0
Gm608	2.40189	3.004703	2.479184	2.66188
Gm6083	0	0.015482	0	0.031953
Gm6086	0.069018	0	0	0
Gm609	0	0	0	0
Gm6093	2.825082	1.241779	1.159585	3.277333
Gm6116	0	0	0.308348	0.84684
Gm6121	0	0	0	0
Gm614	0	0	0	0
Gm6150	0	0	0	0
Gm6164	0	0	0	0
Gm6182	0	0	0	0.65932
Gm6194	3.510538	1.939312	2.465734	2.749222
Gm6213	0	0	0	0
Gm6225	0.319088	0.170714	0.28232	0.341431
Gm6249	0	0	0	0
Gm6251	304.049286	166.785187	302.965637	302.663513
Gm6260	0	0	0	0
Gm6268	0	0	0	0
Gm6277	0	0	0	0
Gm6297	0	0	0.539862	0.107157
Gm6300	0	0	0	0
Gm6307	0	0	0.058697	0.028748
Gm6313	0	0	0	0
Gm6329	0	0	0	0
Gm6367	0	0	0	0
Gm6370	0	0	0	0
Gm6377	0	0.722648	0.559985	0.433512
Gm6402	32.908333	19.446804	26.827406	36.204277
Gm6408	0	0	0	0
Gm6416	0	0	0	0
Gm6455	0	0	0	0
Gm6460	0	0	0	0
Gm648	0	0	0	0

Gm6484	0.568298	0	0	2.627718
Gm6498	0.135327	0.020284	0.099879	0.20473
Gm6524	0.015516	0.109601	0.175382	0
Gm6525	0.90269	0.507687	1.456983	1.768766
Gm6537	0	0	0	0
Gm6548	23.834375	18.809561	21.930962	21.745899
Gm6559	0	0	0	0
Gm6567	0	0	0	0
Gm6568	0	0	0	0
Gm6578	0	0	0	0
Gm6583	0	0.056296	0.130092	0.151291
Gm6588	0.070557	0	0	0
Gm6592	0	0	0	0
Gm6602	0	0	0	0
Gm6607	0.628404	0.936713	0.199822	0.503322
Gm6614	0	0	0	0
Gm6623	0.411164	0.472251	0.601739	0.840173
Gm6634	0.329628	0.502974	1.404662	1.841247
Gm6639	0	0	0	0
Gm6642	0	0	0	0
Gm6644	33.316582	50.0075	49.124405	56.604767
Gm6654	18.834021	12.799959	15.539402	11.937471
Gm6682	57.815285	101.399078	98.073463	81.538467
Gm6696	0	0	0	0
Gm6710	0	0	0.7164	2.203013
Gm6756	0.092058	0.067199	0.092032	0.066967
Gm6760	0	0	0	0
Gm6763	0	0	0	0
Gm6787	0	0.218856	0.405495	0
Gm6792	0	0	0	0
Gm6793	0	0	0	0
Gm6812	0	0	0	0
Gm6815	0.178984	0.075319	0.092684	0.160207
Gm684	0	0	0	0.450376
Gm6878	0	0	0	0
Gm6880	0	0	0	0
Gm6890	0	0	0	0
Gm6902	0	0	0	0
Gm6904	0	0.377985	0.179493	0
Gm6936	0	0	0	0
Gm6938	0	0	0	0
Gm694	0	0	0.155978	0
Gm6961	0	0	0	0
Gm6981	0.437102	0.386181	0.188643	0.496804
Gm6994	0	0	0	0
Gm7008	0	0	0	0
Gm7030	0	0	0	0
Gm7056	0	0	0	0
Gm7073	0	0	0	0

Gm7102	1.08059	2.562276	2.708705	1.938828
Gm7104	0.017681	0	0	0.006719
Gm7120	3.616231	4.650534	3.64366	4.551828
Gm7134	0	0	0	0
Gm715	0	0	0	0
Gm7168	0	0	0	0
Gm7173	0	0	0	0
Gm7244	0	0	0	0
Gm7257	0	0	0	0
Gm7271	0	0	0	0
Gm732	0	0	0	0
Gm7325	0	0.523166	0	0
Gm7334	18.513786	24.121061	25.245653	24.51885
Gm7337	0	0	0	0
Gm7361	0	0	0	0
Gm7367	0	0	0	0
Gm7444	0.031459	0.188189	0.129211	0.126725
Gm7457	0	0	0	0
Gm7534	0	0	0	0
Gm7538	0	0	0	0
Gm7550	0	0	0	0
Gm7609	0	0	0	0
Gm7616	0	0	0	0
Gm765	0	0	0	0
Gm766	0	0	0	0
Gm7694	0.69537	0.271125	0.19236	1.112307
Gm7714	0	0	0	0
Gm773	0	0	0	0
Gm7788	0.30814	0.164895	0	0
Gm7849	0	0	0	0
Gm7854	0	0	0	0
Gm7861	0	0	0	0
Gm7903	0	0	0	0
Gm7904	0	0.272416	0.158079	0.031055
Gm7977	2.569869	4.479001	3.650741	3.071157
Gm7978	0	0	0	0
Gm8013	0	0	0	0
Gm805	0	0	0	0
Gm8096	0.395193	0.319823	0.329335	0.349942
Gm813	0	0	0	0
Gm815	0	0	0	0
Gm8179	0	0	0	0
Gm8221	0.011755	0.003774	0.00146	0.005164
Gm8234	1.312217	1.087017	1.458165	0.967046
Gm826	0.311389	0.116031	0	0
Gm8267	0	0	0	0
Gm829	0	0	0	0
Gm8298	0	0	0	0
Gm8300	0	0	0	0.086423

Gm833	0	0	0	0
Gm8363	0.031115	0	0.007677	0.027892
Gm8369	0	0	0	0
Gm839	0	0	0	0
Gm8439	0	0	0	0
Gm8453	0	0	0	0
Gm853	0	0	0	0
Gm8579	0	0	0	0
Gm8580	0.964698	0.34047	0.173273	0.075998
Gm8615	6.024093	9.443099	7.147575	7.978403
Gm8633	0	0	0	0
Gm8653	0	0	0	0
Gm8660	0	0	0	0
Gm867	0.320177	0	0	0.540099
Gm8677	0	0	0	0
Gm8693	0	0	0	0
Gm8709	0.161619	0	0.040286	0
Gm8720	0	0	0	0
Gm8764	0	0	0	0
Gm8765	0	0	0	0
Gm8773	0.156322	0.763362	0.884385	0
Gm8787	0	0	0	0
Gm8801	2.678385	3.889018	2.13982	3.958607
Gm8817	0	0	0	0
Gm884	0	0	0	0
Gm8882	0	0	0	0
Gm8883	0	0.083275	0.286926	0.859224
Gm8884	0	0	0	0
Gm8898	0	0	0	0
Gm8909	4.482376	7.380234	5.461678	9.655743
Gm8923	0	0	0	0
Gm8979	0	0	0	0
Gm8989	0.22876	0.55869	0.662098	1.529683
Gm8994	0	0	0	0
Gm9	0	0	0	0
Gm904	0	0	0	0
Gm9047	0	0	0	0
Gm9054	0	0.360075	0	0
Gm906	0	0	0	0
Gm9079	0.102646	0.331975	0.368633	0.336033
Gm9112	0	0	0	0
Gm9125	0	0	0	0
Gm9159	0.022525	0.057343	0.002238	0.052767
Gm9199	0.598463	0.987502	1.182433	1.311282
Gm9268	0	0	0	0
Gm933	0	0	0	0
Gm9376	0	0	0	0
Gm94	0	0	0	0
Gm9513	0	0	0	0

Gm9573	0	0	0	0
Gm960	0	0	0	0
Gm9696	0	0	0	0
Gm973	0	0	0	0
Gm9731	0.099833	0	0	0
Gm9733	0	0.546494	0.398397	1.480198
Gm9758	0	0	0	0
Gm9767	0.124612	0.593221	0.286728	0.778452
Gm9776	0.748515	1.087478	1.073132	0.82337
Gm9833	0	12.561461	10.898959	9.432999
Gm9839	0	0	0.00483	0.009537
Gm9855	2.436253	4.526926	2.913583	1.50041
Gm9866	0	0	0	0
Gm9871	0	0	0	0
Gm9895	0	0	0	0
Gm9899	0	0	0	0.087452
Gm9920	0	0	0	0
Gm9926	0	0	0	0
Gm9958	0.265706	0.612355	0.541264	0.342346
Gm996	1.600601	1.395421	1.388667	1.909994
Gm9961	0	0	0	0
Gm9962	0	0	0	0
Gm9992	0	0	0	0
Gm9994	0	0	0	0
Gm9999	0	0	0	0
Gmcl1	5.279271	10.866714	10.292511	9.686897
Gmcl1l	0	0	0	0
Gmds	10.039926	14.617616	15.875868	9.386614
Gmeb1	6.918478	7.62578	5.130946	4.809535
Gmeb2	18.360336	12.414358	11.345803	9.623437
Gmfb	7.319746	17.499807	19.013725	15.270219
Gmfg	8.910006	17.139242	39.352384	34.633102
Gmip	9.778115	18.416306	13.649038	13.648115
Gml	0	0	0	0
Gml2	0	0	0	0
Gmnc	0	0	0	0
Gmnn	15.872215	42.44532	73.256241	47.690968
Gmppa	37.767548	27.268103	26.607264	26.75086
Gmppb	3.972477	7.943587	5.55957	10.461713
Gmpr	2.889409	6.174678	4.992574	5.235624
Gmpr2	10.833451	24.680157	28.106962	22.884504
Gmps	12.466753	14.316667	13.542622	8.172271
Gna11	20.052986	21.743353	16.494247	25.349968
Gna12	18.918451	23.763447	16.355267	18.241655
Gna13	22.253166	16.108116	13.723083	13.078277
Gna14	0	0	0	0.034314
Gna15	0.728109	4.18129	5.571821	7.262369
Gnai1	0.247486	0	0.138796	0.431917
Gnai2	227.982422	230.88942	200.666992	233.571823

Gnai3	49.143978	48.413353	54.772907	47.511936
Gnal	0.77811	0.844961	0.616186	0.750604
Gnao1	2.045545	0.756124	0.352168	1.588224
Gnaq	9.115989	10.579389	9.325823	10.967928
Gnas	474.881549	477.784284	328.572664	340.555125
Gnat1	0	0	0	0.078863
Gnat2	0.405006	1.098289	1.581254	0.636569
Gnat3	0	0	0	0
Gnaz	0	0	0.060667	0.040237
Gnb1	145.444213	152.144616	134.051055	138.414064
Gnb1l	2.262956	2.603567	2.070327	2.031608
Gnb2	268.572693	212.843231	190.185547	185.790833
Gnb2l1	3581.458008	2736.917725	4071.614014	2688.647461
Gnb3	0.13422	0.045662	0	0
Gnb4	18.915491	21.147678	23.115669	21.441917
Gnb5	1.831941	1.686161	1.482208	4.341205
Gne	1.981241	7.030424	5.138595	3.089392
Gng10	49.220867	77.572502	152.387024	139.82634
Gng11	11.6775	18.524712	12.414978	22.127193
Gng12	12.000343	15.729441	11.731868	14.694116
Gng13	0	0	0	0
Gng2	6.861945	6.575631	5.439833	7.938308
Gng3	0.694167	0.582338	0.115931	0.396648
Gng4	0	0	0	0.031682
Gng5	191.154053	180.229263	223.738129	208.879837
Gng7	1.353854	1.380351	0.985124	1.529519
Gng8	2.443236	4.14439	2.305801	2.724671
Gngt1	0	0	0	0
Gngt2	19.80865	20.225522	36.393638	65.439827
Gnl1	51.394039	33.067673	23.698402	37.142647
Gnl2	34.602226	37.383343	29.593424	25.648067
Gnl3	64.138457	59.618183	63.421747	48.047201
Gnl3l	8.256254	13.195721	7.187099	8.22798
Gnmt	1.231812	0.656715	0.081963	4.141773
Gnpat	13.2946	32.931622	30.878672	19.6896
Gnpda1	9.656314	15.558093	13.502822	12.423287
Gnpda2	4.747279	11.360518	13.602316	7.391312
Gnpnat1	5.952885	13.404869	15.269882	13.503999
Gnptab	5.027336	12.810067	12.676771	8.599719
Gnptg	12.683943	18.411283	20.318855	21.804617
Gnrh1	3.931424	1.346559	0.903794	5.037834
Gnrhr	0	0	0	0
Gns	39.3722	39.488697	35.189613	41.550682
Golga1	2.475771	6.585577	5.951906	4.738101
Golga2	28.454494	21.826742	15.416935	20.230402
Golga3	9.3129	8.790113	6.872002	7.337543
Golga4	16.926451	13.174789	10.238796	13.902089
Golga5	15.70866	17.433491	14.471761	16.346069
Golga7	44.636087	40.043601	35.392624	41.522178

Golga7b	0.136717	0.267708	0.368121	0.040991
Golgb1	14.522168	11.864186	13.113653	11.945569
Golim4	16.290558	30.912525	23.448965	23.090551
Golm1	11.22522	21.740921	18.401053	17.663582
Golph3	25.238174	28.576109	17.460958	24.735769
Golph3l	7.784708	13.094339	15.446107	11.74215
Golt1a	0	0	0	0
Golt1b	20.791014	24.680944	25.382666	24.838495
Gon4l	9.137028	15.630078	11.517284	10.510307
Gopc	4.514243	4.943472	4.394945	4.588661
Gorab	7.720631	8.134021	9.606572	6.769329
Gorasp1	3.445842	6.56017	4.782719	5.926238
Gorasp2	75.267746	67.569404	47.073958	63.9601
Gosr1	15.285071	13.544193	10.100597	10.645314
Gosr2	19.307562	22.534229	16.782532	19.968685
Got1	44.587036	46.142838	34.48827	34.577862
Got1l1	0	0	0	0
Got2	48.238087	66.146729	53.888542	37.34573
Gp1ba	1.175693	0.202116	0.277155	0.447498
Gp1bb	17.447714	4.428267	2.75586	11.762039
Gp2	0	0	0	0
Gp5	0.244607	0.115767	0	0.210811
Gp6	0	0	0	0
Gp9	0.608581	0	0	0
Gpa33	0	0	0	0
Gpaa1	12.288554	24.007864	19.466518	22.841034
Gpalpp1	4.001599	5.829566	5.211607	5.077938
Gpam	4.407969	4.660248	4.174961	4.218653
Gpank1	20.426037	13.971392	13.192754	14.35099
Gpat2	0	0	0	0
Gpatch1	4.009507	4.439319	2.938509	3.36456
Gpatch11	3.404676	6.215621	4.571753	5.904743
Gpatch2	3.925263	5.254433	3.862291	4.272508
Gpatch2l	7.937436	8.973145	7.260834	6.411546
Gpatch3	3.497028	4.447042	3.871961	4.990803
Gpatch4	16.892012	27.99779	21.278523	26.895201
Gpatch8	9.688111	11.075847	9.159309	8.433124
Gpbar1	0.900317	0	0	1.733873
Gpbp1	10.943712	16.384044	17.959317	14.875561
Gpbp1l1	25.985933	21.859686	20.340563	24.793125
Gpc1	68.395744	89.886902	56.3354	84.291573
Gpc2	0.214019	0.303232	0.273544	0.191245
Gpc3	1.920115	0.705899	0.021712	1.57239
Gpc4	4.412157	7.993624	4.561446	6.386156
Gpc5	0	0	0	0
Gpc6	2.352727	3.017147	2.808608	1.795109
Gpcpd1	3.793603	5.240589	4.807671	5.285556
Gpd1	0.604733	1.672371	0.429989	2.775079
Gpd1l	1.231203	4.689029	4.11376	4.972901

Gpd2	7.301632	12.091423	10.25038	6.628357
Gper1	1.866824	4.085162	2.230307	3.837167
Gpha2	0	0	0	0.294823
Gphb5	0	0	0	0
Gphn	5.325699	9.668033	8.555052	6.45999
Gpi1	657.348267	199.521927	251.991486	231.120605
Gpihbp1	8.720374	15.316252	22.981165	27.575312
Gpkow	9.226536	13.32579	10.96385	10.243651
Gpld1	1.717073	2.722803	2.291889	3.225101
Gpm6a	0.340954	0	0	0.069575
Gpm6b	0.464289	0.571434	0.146093	0.974867
Gpn1	20.781099	23.356136	24.363014	20.823526
Gpn2	8.844629	12.937452	6.738915	9.646183
Gpn3	17.545431	25.422585	29.904749	22.456661
Gpnmb	4.835903	3.609986	1.595238	8.589636
Gpr1	0	0	0.082161	0
Gpr101	0	0	0	0
Gpr107	13.025371	18.670406	15.443654	16.170025
Gpr108	25.227696	27.20751	25.776817	26.947236
Gpr119	0	0	0	0
Gpr12	0	0	0	0
Gpr132	0.424769	3.206567	3.056129	2.163383
Gpr135	4.901079	5.69876	6.201936	3.78563
Gpr137	9.821179	15.347339	12.722155	15.112807
Gpr137b	28.137665	13.941778	11.453748	14.962624
Gpr137b-ps	20.930363	13.058535	11.253903	13.760011
Gpr137c	0	0	0	0.094998
Gpr139	0	0	0	0
Gpr141	0.404171	0.800541	1.853011	0.588154
Gpr142	0	0	0	0
Gpr143	0	0	0	0
Gpr146	4.303849	4.535203	5.031665	6.35054
Gpr149	0	0	0	0
Gpr15	0	0.167961	0.217835	0.810507
Gpr150	0	0.059313	0.091478	0.080781
Gpr151	0.060691	0.259475	0.101318	0.035544
Gpr152	0	0	0.037312	0.058122
Gpr153	6.410074	11.562749	4.572958	9.917206
Gpr155	0.522973	0.93598	0.752539	1.296377
Gpr156	0	0.092209	0	0.088486
Gpr157	2.405074	0.886851	1.493662	1.363199
Gpr158	0	0	0	0
Gpr160	0.782316	1.289038	1.4834	2.182387
Gpr161	2.064916	2.236375	1.165111	1.090565
Gpr162	4.269338	2.870657	2.386207	2.665465
Gpr165	0	0	0	0
Gpr17	0.216086	0.040307	0	0.107573
Gpr171	0	4.114101	2.117214	6.568328
Gpr173	0.215855	0.130604	0	0.125694

Gpr174	0	0	0	0
Gpr176	2.167663	1.093682	0.489187	3.250386
Gpr179	0.090817	0.086358	0.057757	0.099784
Gpr18	0	0.097165	0.300212	0.162316
Gpr180	7.431231	8.861925	8.323927	10.325267
Gpr182	1.021877	0.84891	0.144567	0.729596
Gpr183	0	2.262678	2.251645	0.55005
Gpr19	7.049649	3.547298	2.804854	3.777685
Gpr20	0	0.039635	0	0
Gpr21	0	0	0.063741	0
Gpr22	0	0	0	0
Gpr25	0.119334	0	0.049577	0.207297
Gpr26	0	0	0	0
Gpr27	0	0.123565	0	0.050915
Gpr3	0	0.038278	0	0.16251
Gpr31b	0	0.051858	0.034195	0
Gpr33	0	0	0	0
Gpr34	0	1.521297	1.046756	0.640169
Gpr35	4.687148	7.705758	6.776293	10.558495
Gpr37	0	0	0	0
Gpr37l1	0	0	0	0
Gpr39	13.893353	9.253868	9.63894	13.902464
Gpr4	0.385574	0.685962	0.79315	0.699579
Gpr45	0	0	0	0.030074
Gpr50	0	0	0	0.037826
Gpr52	0	0	0.089476	0
Gpr55	0.115821	0	0.110713	0.294389
Gpr6	0	0	0	0
Gpr61	0	0	0.031195	0
Gpr62	0.250148	0.256443	0.160079	0.45708
Gpr63	0.126011	0.554499	0.861415	0.513002
Gpr65	0.207726	1.499007	1.615554	1.266302
Gpr68	0	0.531797	0.313886	0.33593
Gpr75	0.286946	0.318483	0.251209	0.530243
Gpr82	0	0	0	0
Gpr83	0	0	0	0.077322
Gpr84	0	0.949428	1.197974	0.733494
Gpr85	0.408837	0.729019	0.902381	0.742178
Gpr87	0	0	0	0
Gpr88	0	0	0	0.050472
Gpr89	7.342466	17.040436	17.825632	12.586464
Gprasp1	1.976053	3.930456	3.017792	2.714183
Gprasp2	0	0.100046	0	0
Gprc5a	45.002022	74.553017	67.283684	50.581478
Gprc5b	36.892327	11.014118	14.5483	14.910665
Gprc5c	1.54493	1.041181	0.265099	2.05203
Gprc5d	0	0	0	0.209543
Gprc6a	0	0	0	0
Gprin1	0	0	0	0.04205

Gprin2	0	0	0	0
Gprin3	0	0	0.063538	0.168263
Gps1	42.742998	47.248116	41.957447	41.495523
Gps2	22.933292	29.082285	20.886873	23.712755
Gpsm1	9.25112	7.706631	5.11746	7.811976
Gpsm2	5.269104	13.069161	13.319858	7.987778
Gpsm3	14.204793	17.447519	14.080058	34.03709
Gpt	2.12756	3.658463	3.558721	4.533601
Gpt2	21.910406	35.619274	27.246044	32.741318
Gpx1	411.249786	635.306152	1038.377197	1160.13623
Gpx2	1.205029	0	0	0.734381
Gpx2-ps1	0.097356	0.248404	0.072557	0.085526
Gpx3	115.297142	55.596184	30.213768	104.583565
Gpx4	508.168796	384.867121	586.84734	668.154322
Gpx5	0	0	0	0
Gpx6	0	0	0	0
Gpx7	4.220133	7.387879	3.159481	17.476744
Gpx8	30.855602	65.597618	77.309654	69.446312
Gramd1a	48.665859	41.519676	38.188461	43.009201
Gramd1b	5.907019	3.733052	4.49303	4.298802
Gramd1c	0	0	0	0.115888
Gramd2	1.589503	3.383663	3.781021	0.342829
Gramd3	2.75449	2.8629	1.648073	4.31058
Gramd4	28.044685	31.42373	21.420893	27.476206
Grap	1.106162	1.155139	2.661132	1.804824
Grap2	0.018102	0.216678	0.089579	0.189838
Grasp	12.217133	9.058222	6.766716	7.611148
Grb10	4.830583	4.087084	1.74154	3.394016
Grb14	4.475065	8.091972	5.652446	6.969927
Grb2	39.047558	42.210873	35.564545	41.273022
Grb7	0.065551	0	0	0.897569
Grcc10	169.059296	125.279495	151.718658	187.711594
Greb1	5.779973	5.254802	4.322157	4.750336
Greb1l	0.214973	0.125021	0.357711	0.089605
Grem1	5.395832	8.216193	5.12828	18.206028
Grem2	1.157543	2.929269	0.393584	2.657748
Grhl1	0.145794	0.109131	0.056796	0.376913
Grhl2	0.097786	0	0.039824	0.046629
Grhl3	0	0	0	0
Grhpr	21.718147	13.325739	15.484799	21.755985
Gria1	0.171687	0.53752	0.409519	1.399864
Gria2	0	0	0	0
Gria3	0.03708	0.063603	0.036599	0.250828
Gria4	0	0	0	0
Grid1	0	0.074263	0.071823	0.084209
Grid2	0	0	0	0
Grid2ip	0	0	0.095024	0
Grifin	0	0	0	0
Grik1	0	0	0	0

Grik2	0	0	0	0
Grik3	0.037139	0	0	0.006564
Grik4	0	0	0	0.033282
Grik5	3.470454	1.934384	1.925022	1.950754
Grin1	0	0	0	0
Grin1os	0	0	0	0
Grin2a	0	0	0	0
Grin2b	0	0	0	0
Grin2c	0	0	0	0
Grin2d	0.526105	0.994832	0.591478	0.633592
Grin3a	0.038558	0.043873	0.019158	0.03773
Grin3b	0.418128	0.516694	0.359208	0.363369
Grina	411.568451	187.869354	167.665726	193.705811
Grip1	0.104444	0	0.042968	0.044486
Grip1os1	0	0	0	0
Grip1os2	0	0	0	0
Grip2	0	0.065461	0.067035	0.045152
Gripap1	13.338394	20.13424	16.560074	18.747641
Grk1	0	0	0.019708	0
Grk4	0	0	0.048533	0.316332
Grk5	2.851274	4.117931	4.441088	5.225792
Grk6	10.933124	30.363873	27.892815	21.086927
Grm1	0	0	0	0
Grm2	0	0	0	0
Grm3	0	0	0	0
Grm4	0	0	0	0
Grm5	0	0	0	0
Grm6	0	0	0	0
Grm7	0	0	0	0
Grm8	0	0	0	0.031352
Grn	166.356476	242.352844	255.177292	280.216095
Grp	0	0	0	0
Grpel1	23.473711	29.030321	37.606838	39.59697
Grpel2	6.835766	9.473042	7.962749	9.303379
Grpr	0	0	0	0
Grrp1	0.242516	1.740989	0.681727	0.52078
Grsf1	18.326548	16.584908	14.719882	14.624718
Grtp1	0.685437	1.448315	1.533638	2.412121
Grwd1	19.122391	23.848471	18.919701	18.966921
Grxcr1	0	0	0	0
Grxcr2	0	0	0	0
Gsap	3.228502	7.223359	7.146048	13.394283
Gsc	0	0	0	0
Gsc2	0	0	0	0
Gsdma	0	0	0	0
Gsdma2	0	0	0	0
Gsdma3	0	0	0	0
Gsdmc	0	0	0	0
Gsdmc2	0	0	0	0

Gsdmc3	0	0	0	0
Gsdmc4	0	0	0	0
Gsdmcl-ps	0	0	0	0
Gsdmcl1	0	0	0	0
Gsdmcl2	0	0	0	0
Gsdmd	4.835625	10.804376	12.838363	16.145367
Gse1	11.867357	8.58723	8.005262	7.774817
Gsg1	0.514137	0.266104	1.345895	1.561304
Gsg1l	0	0	0	0
Gsg2	0.571404	4.584103	4.570211	3.54661
Gsk3a	38.430592	33.59716	26.791525	31.59757
Gsk3b	14.753187	10.588352	7.769186	7.194255
Gskip	5.990138	9.364697	9.143497	11.353101
Gsn	203.149476	135.660197	122.558842	110.129038
Gspt1	11.06124	18.650077	16.613977	15.58996
Gspt2	2.107262	1.565084	1.71079	0.703753
Gsr	54.935535	33.612133	33.492424	49.659622
Gss	24.370996	21.613508	18.447397	24.020204
Gsta1	0	0	0.971174	0.583954
Gsta2	0	0	0	0.146787
Gsta3	2.47254	0.302463	0	9.585597
Gsta4	25.630581	17.697569	31.719687	11.916451
Gstcd	7.202606	14.872385	14.729804	8.876483
Gstk1	1.592839	0.859526	1.373123	4.213414
Gstm1	36.70779	23.833876	25.189524	38.04763
Gstm2	12.176876	11.305797	8.780021	16.255579
Gstm3	0	0	0	1.702776
Gstm4	3.374475	2.444211	3.436994	4.491836
Gstm5	43.833961	36.927063	50.819431	37.61496
Gstm6	0	0	0	0.753085
Gstm7	0.45567	0.747787	1.016281	1.015869
Gsto1	283.126648	262.912476	235.542191	206.123581
Gsto2	2.139162	0.997917	1.710329	2.319122
Gstp1	177.401688	142.784912	146.290726	163.275436
Gstp2	0	0	0	90.96608
Gstt1	1.098443	1.798076	0.427364	7.068933
Gstt2	1.261642	1.441547	1.551297	2.609831
Gstt3	1.049706	0.792548	0.546614	2.03415
Gstt4	0	0	0	0
Gstz1	20.069042	32.657578	46.434437	35.6829
Gsx1	0	0	0	0
Gsx2	0	0	0	0
Gt(ROSA)26Sor	5.378198	5.264272	8.127217	11.615431
Gtdc1	5.560994	3.369152	3.522212	2.651942
Gtf2a1	5.871498	4.740364	5.075257	1.482991
Gtf2a1l	0	0	0	0
Gtf2a2	42.817696	59.609219	97.291494	78.099163
Gtf2b	21.706209	33.182587	36.267464	28.940372
Gtf2e1	5.160678	9.66021	7.429536	7.339499

Gtf2e2	27.496502	22.861975	26.383165	28.82931
Gtf2f1	38.667435	46.919849	33.378704	34.781448
Gtf2f2	21.031422	29.450472	32.669445	24.046101
Gtf2h1	20.09968	20.42973	17.919709	20.135381
Gtf2h2	7.460083	10.288967	11.184941	8.43912
Gtf2h3	6.200518	10.318187	9.019041	8.577761
Gtf2h4	10.87702	16.297363	13.009974	13.088828
Gtf2h5	63.223961	74.407074	103.203461	110.427055
Gtf2i	34.755026	56.128953	41.281908	30.65966
Gtf2ird1	19.524095	18.751239	10.486033	12.572585
Gtf2ird2	5.826856	4.755057	5.057851	6.702969
Gtf3a	45.12812	56.378311	77.46669	51.186371
Gtf3c1	10.909471	14.685408	11.588402	9.791741
Gtf3c2	14.596795	26.053957	23.193319	17.917284
Gtf3c3	7.096421	6.650069	6.528622	4.322301
Gtf3c4	3.927803	4.395898	4.526433	1.19475
Gtf3c5	8.45899	10.668564	8.040666	8.69528
Gtf3c6	11.54839	22.690256	23.45874	25.110754
Gtpbp1	21.682697	18.934557	13.683758	12.454088
Gtpbp10	6.355134	9.851049	10.509398	9.246941
Gtpbp2	29.508756	21.689803	19.517294	18.971637
Gtpbp3	10.383252	17.741245	16.377712	12.059714
Gtpbp4	29.978117	29.557579	21.21361	21.422922
Gtpbp6	21.32461	20.502071	15.785035	17.319149
Gtpbp8	2.486746	6.317918	6.660726	10.267763
Gtse1	2.093339	7.499187	6.412652	5.192874
Gtsf1	0	0	0	0
Gtsf1l	0	0	0	0
Guca1a	3.103806	4.521852	8.838806	8.287849
Guca1b	0	0	0	0.277457
Guca2a	0	0	0	0
Guca2b	0	0	0	0
Gucd1	8.326237	9.073254	9.856261	12.344809
Gucy1a2	0	0	0	0.037785
Gucy1a3	0.57327	0.059379	0.136559	1.199611
Gucy1b2	0	0	0	0.05412
Gucy1b3	0.256688	0	0.226796	1.930135
Gucy2c	0	0	0	0
Gucy2d	0	0	0	0
Gucy2e	0	0	0	0
Gucy2f	0	0	0	0
Gucy2g	0	0	0	0
Guf1	3.862825	6.167572	10.21774	4.083189
Guk1	41.467251	55.584679	69.097603	76.482559
Gulo	0.262539	0.037465	0	5.927507
Gulp1	0.115449	0.356425	0.099278	0.058512
Gusb	12.096383	58.042007	59.878536	57.320141
Gvin1	0.296865	0.00313	1.977686	4.019359
Gxylt1	6.080183	7.77469	7.463333	8.160301

Gxylt2	0.73092	0.908835	2.898777	1.916129
Gyg	31.825436	31.664078	36.084728	35.704678
Gyk	1.902973	2.995931	5.354419	3.977241
Gykl1	0	0	0	0
Gyltl1b	0	0	0	0
Gypa	0	0	0	0
Gypc	8.19211	12.633494	15.113914	11.425293
Gys1	45.238388	22.94614	25.258291	24.230391
Gys2	0	0	0	0.472444
Gzf1	9.848997	8.031958	11.122579	9.739111
Gzma	0	0	0	0
Gzmb	0	0	0.059814	0.162871
Gzmc	0	0	0	0.442471
Gzmd	0	0	0.157658	0.396867
Gzme	0	0	0	0.689225
Gzmf	0	0	0	0
Gzmg	0	0	0	0
Gzmk	0	0	0	0
Gzmm	0.516462	0.350542	0.115051	0.201059
Gzmn	0	0	0	0
H13	44.077909	52.925924	41.32821	47.041788
H19	764.179671	656.800132	234.575322	488.190066
H1f0	298.081635	182.839981	220.623962	111.57476
H1fnt	0	0.063995	0	0
H1foo	0	0.14897	0	0
H1fx	11.399639	14.909478	13.392044	13.133604
H2-Aa	5.717196	80.205406	22.618992	46.03503
H2-Ab1	13.421026	73.025925	20.75036	50.303238
H2-Bl	1.496174	0.691595	1.871156	1.120951
H2-D1	191.773956	254.144379	263.778503	351.864166
H2-DMa	4.14685	18.960579	14.629593	25.395563
H2-DMb1	4.59744	16.179638	14.951087	23.720007
H2-DMb2	2.236873	16.359503	11.20965	13.338803
H2-Ea-ps	0	1.110851	0	0
H2-Eb1	1.861028	22.110435	6.569117	11.981243
H2-Eb2	0	0.075317	0	0
H2-K1	106.978554	102.812752	106.669067	169.727005
H2-K2	5.712245	2.035607	4.940468	5.442795
H2-Ke6	20.755867	22.609335	21.492043	18.338638
H2-L	3.106944	5.373457	4.806398	6.466538
H2-M1	0	0	0	0
H2-M10.1	0	0	0	0
H2-M10.2	0	0	0	0
H2-M10.3	0	0	0	0
H2-M10.4	0	0	0	0
H2-M10.5	0	0	0	0
H2-M10.6	0	0	0	0
H2-M11	0	0	0	0
H2-M2	0	0	0	0.07383

H2-M3	8.468143	13.491469	15.527243	17.427387
H2-M5	0.105885	0.674057	0.585113	0.461047
H2-M9	0	0	0.191416	0
H2-Oa	0	0.957244	0.297786	0
H2-Ob	0	0.281799	0.327787	0
H2-Q1	0	0	0	0
H2-Q10	3.784205	3.571727	0.615235	29.000835
H2-Q2	2.367148	4.516732	0	5.262623
H2-Q4	19.915461	17.621122	15.88118	24.781221
H2-Q5	2.572877	2.804893	2.718936	3.135985
H2-Q6	0	0	0	4.891924
H2-Q7	11.008968	2.641384	5.943747	11.514207
H2-Q8	5.836897	2.099465	5.721009	0.196418
H2-Q9	0	4.368214	0	0
H2-T10	2.960562	3.840538	4.075864	7.56295
H2-T22	3.207524	1.778052	2.325418	3.344652
H2-T23	41.359558	41.587669	49.471622	45.012981
H2-T24	1.162771	1.974442	0.907867	2.184558
H2-T3	0	0	0	0
H2-T9	20.073175	21.65971	22.540703	29.732895
H2afb1	0	0	0	0
H2afb2	0	0	0	0
H2afb3	0	0	0	0
H2afj	46.770432	41.532745	46.728786	70.971062
H2afv	43.206844	50.624107	63.051594	69.832916
H2afx	17.556059	49.64119	43.033752	41.566246
H2afy	64.229167	45.044355	61.002599	72.690393
H2afy2	1.655791	1.34153	1.200416	2.173956
H2afy3	1.204755	3.677756	8.233253	2.511262
H2afz	177.030289	397.223999	648.11908	411.969574
H2bfm	0	0	0	0
H3f3a	100.636932	196.26593	269.358826	206.666153
H3f3b	570.079163	426.145844	445.160095	334.944916
H60b	0	1.151661	1.419435	0.441886
H60c	0	0	0	0
H6pd	33.729816	32.368729	31.167467	29.375748
Haao	0.121457	2.337282	4.231058	3.112556
Habp2	0	0.081873	0	2.143426
Habp4	7.892634	11.221679	8.354037	9.360643
Hacd1	13.501441	26.109254	16.466816	26.970067
Hacd2	6.209317	9.180205	13.871867	8.460932
Hacd3	9.228114	20.467468	22.011854	19.90123
Hacd4	0.799572	1.2403	2.218909	5.166197
Hace1	2.857079	4.49021	4.716287	3.630726
Hacl1	0.609238	2.015858	3.345767	2.650573
Hadh	87.681145	72.848465	95.305138	70.697289
Hadha	24.445004	30.410677	35.252869	30.844437
Hadhb	8.632827	13.98982	18.424862	16.276472
Hagh	37.619783	36.476192	45.262854	37.329514

Haghl	13.97403	11.611621	14.621476	10.444445
Haglr	0	0	0	0
Hal	3.71854	6.877427	11.998009	8.452128
Halr1	0	0	0	0.306818
Hamp	0.754632	2.004534	0	94.408295
Hamp2	0	0	0	0
Hand1	0	0	0	0
Hand2	2.230788	0.319434	0.175082	3.50805
Hao1	0.122115	0.857917	0.632936	2.461318
Hao2	0	0	0	0
Hap1	0	0.102428	0.066081	0.391549
Hapln1	0	0	0	0
Hapln2	0.072342	0	0	0
Hapln3	0.736339	0	0	0.121514
Hapln4	1.329944	3.514694	2.198058	3.85895
Harbi1	4.56131	5.17039	6.981596	3.999184
Hars	41.58997	50.915859	41.342991	42.028534
Hars2	6.114262	9.567541	10.31743	7.488949
Has1	0.39637	13.457289	2.787859	2.132992
Has2	3.950377	14.01647	5.019302	17.005917
Has2os	3.854333	0.826203	0.203304	1.821787
Has3	0.158922	0.561239	0.39891	0.477534
Hat1	12.327127	20.23517	24.086416	17.905037
Haus1	19.140551	26.879753	40.105274	28.600403
Haus2	5.885017	4.392651	6.197162	5.726916
Haus3	3.118555	9.745602	10.87203	7.929826
Haus4	6.75752	12.298565	13.82122	7.618657
Haus5	4.43602	10.495025	8.570696	5.579246
Haus6	3.066826	4.620502	4.922534	3.411429
Haus7	21.625708	37.763535	26.500271	22.173536
Haus8	3.952861	9.119778	9.1061	8.631386
Havcr1	0	0	0	0
Havcr2	1.272206	5.070789	5.039875	3.593117
Hax1	80.909995	92.004967	105.922996	97.650009
Hba-a1	988.882233	6.732193	12.966174	0.331811
Hba-a2	2.173318	270.07109	257.550148	212.244492
Hba-x	0	0	0	0
Hbb-b1	727.31842	251.493423	5.699212	202.200012
Hbb-b2	382.886139	118.244102	223.289551	63.558708
Hbb-bh1	0	0	0	0
Hbb-bh2	0	0	0	0
Hbb-bs	70.342178	20.387796	475.014923	13.555377
Hbb-bt	32.300484	7.049295	14.225904	48.908978
Hbb-y	0	0	0	0
Hbegf	78.632927	105.058861	54.187428	79.581337
Hbp1	32.328053	28.657234	34.74594	31.689589
Hbq1a	0.369195	0	0	0
Hbq1b	0.754796	0.170169	0.362072	0.349191
Hbs1l	22.302566	24.754484	20.701993	19.810058

Hc	0.072524	0	0	1.351076
Hcar1	0.285006	0	0.04477	0.070677
Hcar2	16.936821	11.466894	21.560514	14.458658
Hccs	3.709003	6.839197	6.374563	7.059418
Hcfc1	13.77571	23.393856	15.862787	12.050872
Hcfc1r1	177.772247	80.745842	73.783279	83.434814
Hcfc2	3.926397	4.441206	4.455405	5.173761
Hck	1.596219	6.525762	6.002387	9.529832
Hcls1	4.850973	19.007042	18.841053	22.58876
Hcn1	0.050112	0	0	0.02162
Hcn2	0.207006	0.318006	0.30475	0.586762
Hcn3	0.440144	0.867609	0.695658	0.362875
Hcn4	0	0	0	0
Hcrt	0	0	0	0.296843
Hcrtr1	0	0	0	0
Hcrtr2	0	0	0	0
Hcst	2.865622	1.131435	5.331188	7.817901
Hdac1	20.095129	39.46571	37.836891	35.690136
Hdac10	3.496927	5.111268	3.762679	4.023977
Hdac11	6.266265	5.729316	5.435228	4.318083
Hdac2	34.812878	49.91766	38.0443	40.911655
Hdac3	42.99638	63.452206	55.586029	50.525002
Hdac4	3.128229	2.889476	2.608136	2.187537
Hdac5	26.739707	19.508646	16.265761	15.640054
Hdac6	14.782946	20.657162	18.144529	15.982138
Hdac7	18.704729	26.230908	17.609163	16.188185
Hdac8	5.137845	7.84326	7.542604	6.553103
Hdac9	0.335286	0.328214	0.679166	0.341662
Hdc	0.144043	0.118615	0.30742	0.26324
Hddc2	35.174725	44.727928	64.577194	41.566456
Hddc3	13.282825	9.394199	17.484283	16.758768
Hdgf	206.918671	212.2005	184.665604	154.500015
Hdgfl1	0	0	0	0
Hdgfrp2	44.587977	41.851553	30.82264	29.643954
Hdgfrp3	0.785222	0.995978	0.962917	1.330635
Hdhd1a	0	0	0	0
Hdhd2	8.657808	17.697506	16.451267	16.588574
Hdhd3	1.415398	1.444329	2.055759	3.195688
Hdlbp	112.491007	101.658282	62.977423	79.495581
Hdx	0.174446	0	0.265335	0
Heatr1	5.611121	12.116687	8.723012	6.671129
Heatr3	12.114578	21.797886	17.167818	14.761787
Heatr5a	8.422829	17.487715	10.593116	12.057792
Heatr5b	3.310592	5.535039	4.569472	3.845241
Heatr6	5.170091	8.754594	6.31144	5.597439
Heatr9	0	0	0	0
Hebp1	69.699677	69.786934	109.515488	120.049896
Hebp2	1.840337	2.912705	3.709034	3.385759
Heca	9.3937	8.158397	6.517055	6.781375

Hectd1	20.092003	19.144892	15.201318	12.874661
Hectd2	0.461978	1.558229	0.309949	1.238192
Hectd3	5.517438	7.151007	6.072615	6.030453
Hecw1	0	0	0	0
Hecw2	0.017731	0.069414	0.060728	0.098028
Heg1	4.981377	4.594082	4.59914	6.43921
Helb	4.573014	4.610623	4.341242	4.284576
Hells	2.783192	8.206507	8.527855	5.315442
Helq	2.588642	3.062815	3.48293	3.859315
Helt	0	0	0	0
Helz	5.79625	5.040418	4.892195	3.458577
Helz2	1.741629	3.41182	2.392009	3.21132
Hemgn	0	0	0	0
Hemk1	3.546526	7.005718	6.74782	6.716517
Henmt1	0	0.101117	0.117354	0
Hepacam	0.142928	0	0	0
Hepacam2	0	0	0.146521	0
Heph	0	0	0.042223	0.124423
Hephl1	0	0	0	0.220067
Herc1	2.37008	3.295922	3.264954	2.687331
Herc2	2.53452	4.12816	3.491208	3.89096
Herc3	3.949803	2.068049	2.613041	3.449133
Herc4	6.259151	13.490044	13.735373	10.221187
Herc6	0.074095	0.464127	0.574846	1.195244
Herpud1	44.613064	50.564133	46.600159	52.467518
Herpud2	12.111397	12.387441	9.346523	10.707835
Hes1	39.044548	36.105133	15.91711	42.150139
Hes2	0	0	0	0.059205
Hes3	0	0	0	0
Hes5	0	0	0	0
Hes6	16.765028	16.839314	15.385088	21.971533
Hes7	1.397249	0.562775	1.025288	0.70158
Hesx1	0	0	0	0
Hexa	37.846107	65.330521	74.397308	124.417084
Hexb	35.074131	70.514687	112.059143	86.157578
Hexdc	7.916701	9.443733	9.229532	7.313029
Hexim1	12.074702	11.655943	8.112638	12.888007
Hexim2	0.557227	0.851217	0.687887	0.859812
Hey1	0.157315	1.15196	0.770302	0.703715
Hey2	0	0	0	0.091695
Heyl	0.148706	1.241158	0.405785	1.323436
Hfe	1.555498	6.807665	8.275599	10.028934
Hfe2	0.098078	3.188844	0	0.625643
Hfm1	0	0	0	0
Hgd	0	0	0	1.110118
Hgf	0.212418	0.35761	0.172583	1.169402
Hgfac	0.141381	0.18131	0	1.745808
Hgh1	5.601864	9.741655	5.810551	8.442854
Hgs	44.850811	32.902336	22.76433	25.246385

Hgsnat	12.486271	20.283365	17.829008	14.341471
Hhat	6.414717	7.818076	7.494407	6.752451
Hhatl	0	0.780751	0	0
Hhex	1.352038	3.248324	3.151922	9.216575
Hhip	0	0	0.021697	0.16607
Hhipl1	1.032559	1.358266	0.612344	1.18942
Hhipl2	0.071345	0.121765	0	0.102268
Hhla1	0	0	0	0
Hiat1	25.353529	30.606659	28.927521	24.124908
Hiatl1	7.667129	11.370888	11.866448	10.793291
Hibadh	23.318848	31.508244	37.755093	37.697353
Hibch	5.725873	13.549996	17.655773	9.160216
Hic1	7.205866	7.701239	4.492723	9.102393
Hic2	2.328111	1.805405	1.522749	2.080732
Hid1	5.35993	1.900755	1.712377	2.623946
Hif1a	18.343546	27.685106	23.319584	24.107134
Hif1an	7.670891	9.613632	7.627789	7.552883
Hif3a	1.087952	0	0.056706	0.075196
Higd1a	94.369705	30.446051	47.125973	52.428154
Higd1b	0	1.382694	2.757721	0
Higd1c	0	0	0	0
Higd2a	93.076706	92.614319	93.530006	117.765755
Hilpda	324.07578	81.877437	127.653883	107.181289
Hils1	0	0	0	0.330524
Hinfp	5.542954	7.551406	8.560262	6.511166
Hint1	769.686523	805.962708	1317.551636	1163.865845
Hint2	18.614819	18.572956	26.676682	31.345354
Hint3	8.045433	6.681665	10.824711	14.406305
Hip1	14.258615	18.313648	14.602345	15.925573
Hip1r	9.482088	9.685789	6.477527	4.826194
Hipk1	9.181718	20.30282	14.841346	14.741147
Hipk2	11.127594	6.224632	5.503935	5.142447
Hipk3	7.121275	6.13082	3.404545	5.785483
Hipk4	0.462064	0.526815	0.427161	0.284265
Hira	12.508612	14.167085	10.996361	7.872531
Hirip3	4.782673	14.901058	12.932955	8.482198
Hist1h1a	0.062968	0.045561	1.04256	0.232693
Hist1h1b	1.761649	1.015299	0.678057	0.532185
Hist1h1c	129.032089	79.849037	57.687569	50.787411
Hist1h1d	3.89778	3.188722	4.231666	1.99927
Hist1h1e	5.788784	3.158831	3.307276	1.896345
Hist1h1t	0	0	0.200094	0.060018
Hist1h2aa	0	0	0	0.089034
Hist1h2ab	0.477813	0.572501	1.490446	0.678777
Hist1h2ac	1.474573	1.101297	1.911259	1.486441
Hist1h2ad	0.711849	1.63521	1.742875	1.560829
Hist1h2ae	1.071642	1.219694	1.074839	1.535694
Hist1h2af	0.719122	0.835721	0.740487	1.070305
Hist1h2ag	1.28444	2.397612	2.877766	2.879743

Hist1h2ah	0.594226	1.204225	0.914433	1.518075
Hist1h2ai	0.828984	0.912696	1.153953	1.344421
Hist1h2ak	0.224761	0.706091	0.663499	0.143423
Hist1h2an	0.534143	1.379952	0.830355	1.518798
Hist1h2ao	0.194235	0.171274	0.085699	0.316387
Hist1h2ap	18.104656	19.617864	20.427281	45.495009
Hist1h2ba	1.953972	2.557406	2.802819	2.612765
Hist1h2bb	0.619345	1.322542	2.061706	1.374402
Hist1h2bc	46.220488	74.509509	63.928452	119.255302
Hist1h2be	5.547097	4.453157	6.184891	7.001729
Hist1h2bf	1.51772	3.142547	2.81058	4.163647
Hist1h2bg	11.213887	10.325902	12.138745	14.31846
Hist1h2bh	5.319975	5.278874	5.964927	7.47019
Hist1h2bj	5.21755	5.617781	7.610631	6.293363
Hist1h2bk	4.664204	4.413242	5.824551	5.896856
Hist1h2bl	4.559318	4.422638	6.165143	6.387679
Hist1h2bm	0.480047	0.696069	1.118621	1.162647
Hist1h2bn	3.343419	3.108704	3.970037	4.53997
Hist1h2bp	1.438988	2.260041	1.909316	2.536161
Hist1h2bq	0	0	1.651579	1.178865
Hist1h2br	0	0	4.662574	3.226796
Hist1h3a	0.562338	0.495951	0.457302	0.129456
Hist1h3b	0.397365	1.116558	0.792377	0.527365
Hist1h3c	0.433255	0.707591	1.157292	0.724345
Hist1h3d	1.484659	1.451718	1.456608	1.839404
Hist1h3e	1.097221	0.275811	0.565875	0.324965
Hist1h3f	0.086889	0.162138	0.579487	0.147387
Hist1h3g	0.10542	0.502069	1.500142	1.573807
Hist1h3h	0.349993	0.563318	1.026064	0.576953
Hist1h3i	0.705865	1.29123	0.549521	0.91506
Hist1h4a	3.2207	1.263216	2.3525	3.156498
Hist1h4b	3.016423	1.269079	2.179338	2.214722
Hist1h4c	3.777399	2.004635	1.958648	2.25998
Hist1h4d	1.891547	2.650281	2.133911	2.404627
Hist1h4f	0.748209	0.705883	1.135369	1.349012
Hist1h4h	11.238714	5.147147	3.120237	10.025752
Hist1h4i	10.846973	17.467913	28.37052	16.275164
Hist1h4j	3.865302	2.242603	4.281729	3.120641
Hist1h4k	2.621732	1.713736	3.111509	3.075355
Hist1h4m	0	0	0	0
Hist1h4n	16.509333	5.356146	7.653041	6.469675
Hist2h2aa1	39.940689	10.590447	11.837371	25.718972
Hist2h2aa2	0.681095	0.322885	0.180657	0.076584
Hist2h2ab	1.82913	0.159318	0.655283	1.618498
Hist2h2ac	2.945086	1.385706	1.531757	2.655688
Hist2h2bb	1.002475	0.998325	1.88444	1.354736
Hist2h2be	0.908556	1.697152	2.400523	1.744699
Hist2h3b	1.537737	0.928212	0.944728	1.201463
Hist2h3c1	0.739167	1.408472	1.157216	1.956145

Hist2h3c2	0.776612	1.393083	1.161706	1.966775
Hist2h4	1.419521	0.660004	2.101326	1.602439
Hist3h2a	10.583264	11.992542	15.378573	18.847319
Hist3h2ba	0	0.392451	0.318331	0.536042
Hist3h2bb-ps	0	0.205605	0.230148	0.372808
Hist4h4	1.339506	0.771902	1.212911	0.743942
Hivep1	4.945491	4.814437	3.784639	3.232765
Hivep2	6.816155	6.038277	4.522864	6.352835
Hivep3	0.426596	0.890373	0.718445	1.258029
Hjurp	10.843214	25.139084	27.100643	15.552343
Hk1	45.270817	32.127899	27.159992	26.369091
Hk1os	0	1.133466	1.330796	1.451951
Hk2	35.947746	23.504736	26.288277	18.276709
Hk3	4.741901	5.751161	5.667715	5.1071
Hkdc1	0	0	0	0
Hlcs	1.763321	5.214597	5.231033	2.323075
Hlf	0	0.029959	0	0.11052
Hltf	2.4402	5.051857	5.821788	5.298415
Hlx	11.562489	9.161224	9.203886	12.282728
Hmbox1	2.830451	3.187484	3.738525	2.545959
Hmbs	18.709117	27.950763	29.39191	26.681259
Hmces	15.855225	17.233677	15.27698	15.389111
Hmcn1	0	0.011553	0	0.160187
Hmg20a	9.900906	13.475912	11.363399	10.531589
Hmg20b	36.293336	37.345207	29.369005	35.457276
Hmga1	43.469111	41.851098	31.366979	28.50099
Hmga1-rs1	333.74588	227.273987	213.478394	136.8068
Hmga2	77.2444	100.997375	53.733727	70.215164
Hmga2-ps1	8.467749	15.298912	12.38742	11.008242
Hmgb1	82.818977	104.519791	109.038811	79.106979
Hmgb1-rs17	0.11872	0.029322	0	0.127024
Hmgb2	37.25758	55.894054	95.69072	54.108154
Hmgb3	7.719667	19.430777	24.182699	11.584213
Hmgb4	0	0	0	0
Hmgb4os	0	0	0	0
Hmgcl	23.719837	22.532812	35.761017	33.053879
Hmgcll1	0	0	0	0.046242
Hmgcr	7.69391	27.086184	29.181171	15.779482
Hmgcs1	4.471644	18.772285	23.976203	15.482909
Hmgcs2	2.567671	0.307246	0	16.437735
Hmgn1	217.72821	321.969788	388.664734	296.865631
Hmgn2	19.31851	78.239594	93.680138	47.853474
Hmgn3	17.594122	37.391579	51.587155	35.18708
Hmgn5	9.839808	11.805756	11.660871	11.209533
Hmgxb3	6.815124	10.446729	6.932041	8.634462
Hmgxb4	8.797049	10.091321	7.774601	7.075743
Hmha1	14.618892	27.957313	30.322754	28.943872
Hmmr	0.817885	8.765686	11.834476	4.744272
Hmox1	214.207169	56.604771	69.863815	67.859123

Hmox2	30.414642	42.508945	35.056141	40.471367
Hmx1	0	0	0	0
Hmx2	0	0.203374	0.207707	0.103868
Hmx3	0	0	0	0
Hn1	78.927612	106.660522	101.519951	94.838181
Hn1l	8.852437	31.875879	29.042343	19.535902
Hnf1a	0	0.11456	0	0.278818
Hnf1b	1.259429	0.506619	1.112473	1.212315
Hnf4a	0.145699	0.077887	0	4.222058
Hnf4aos	0	0	0	0
Hnf4g	0	0	0	0
Hnmt	0	0.543959	1.162804	1.584675
Hnrnpa0	100.5728	102.906013	80.011673	74.661354
Hnrnpa1	25.908625	22.205254	18.320786	16.789786
Hnrnpa2b1	84.708852	201.673367	178.658748	161.292143
Hnrnpa3	30.663787	43.414286	47.485283	51.489111
Hnrnpab	183.447647	275.180626	206.566818	228.104431
Hnrnpc	88.0219	82.996325	135.151259	78.859467
Hnrnpd	10.263717	17.326603	18.387684	10.167576
Hnrnpdl	42.10231	61.126701	56.222584	42.113415
Hnrnpf	55.855621	108.704408	92.175887	77.511062
Hnrnph1	110.329811	156.744568	131.290573	122.152237
Hnrnph2	17.679754	24.709997	20.274269	19.000128
Hnrnph3	14.456609	9.319085	7.676278	9.348033
Hnrnpk	167.4868	187.206584	185.296208	140.941653
Hnrnpl	125.308228	163.661346	147.105682	134.445999
Hnrnpll	15.938141	23.802799	21.623884	17.809338
Hnrnpm	51.476734	101.686214	77.913636	83.280111
Hnrnpr	9.960353	13.878637	11.148281	8.095413
Hnrnpu	124.329491	154.991653	113.106384	103.051811
Hnrnpul1	52.610794	65.527987	46.156542	38.77029
Hnrnpul2	37.232037	33.751038	26.589897	27.310434
Hoga1	2.583125	1.934431	2.18264	2.704665
Homer1	0.351424	3.404288	3.596989	3.176484
Homer2	0	0.019185	0	0.010555
Homer3	21.107681	22.678746	13.781949	24.340403
Homez	0.463984	0.783347	0.94445	0.609137
Hook1	0	0.129852	0.08054	0.2929
Hook2	22.466342	15.309903	13.448112	11.353604
Hook3	3.543791	5.040148	4.349541	4.153502
Hopx	21.84002	14.457927	38.304777	26.298862
Hormad1	0	0	0	0
Hormad2	0	0	0	0
Hotair	0	0	0	0
Hotairm1	5.170871	2.517778	6.521461	14.508533
Hottip	0	0	0	0
Hoxa1	0.2003	0	0.079615	0.44514
Hoxa10	0	0.495361	0	0
Hoxa11	0	0	0	0

Hoxa11os	0	0	0	0
Hoxa13	0	0	0	0
Hoxa2	0.546445	0.208439	0.166082	0.527325
Hoxa3	1.103975	0.687465	0.429181	1.946798
Hoxa4	0.291877	0	0.160272	0.600186
Hoxa5	0.700722	0.632299	0.692236	0.610223
Hoxa6	0	0	0	0
Hoxa7	0	0.166697	0.100957	0
Hoxa9	0	0.323417	0	0
Hoxaas2	0	0	0	0.146682
Hoxaas3	0	0	0	0
Hoxb1	0	0	0	0
Hoxb13	0	0	0	0
Hoxb2	0.666401	1.757926	0.898384	3.146003
Hoxb3	0.491943	0.520281	0.434413	1.431346
Hoxb4	1.505293	1.421569	1.346634	4.700167
Hoxb5	0	0.348501	0.155829	0.550636
Hoxb5os	0	0	0	0
Hoxb6	0	0.631647	0.934179	0.387494
Hoxb7	0	0.734675	0.541699	0.228087
Hoxb8	0	0.587961	0.204786	0.125523
Hoxb9	0	1.126405	0.217231	0
Hoxc10	0	0.218539	0	0
Hoxc11	0	0	0	0
Hoxc12	0	0	0	0
Hoxc13	0	0	0	0
Hoxc4	0.043315	0.455434	0	0
Hoxc5	0	0.170752	0.036075	0
Hoxc6	0.248601	1.411096	0	0
Hoxc8	0	1.453337	0	0
Hoxc9	0	0.73948	0	0
Hoxd1	0	0	0	0
Hoxd10	0	0	0	0
Hoxd11	0	0	0	0
Hoxd12	0	0	0	0
Hoxd13	0	0	0	0
Hoxd3	0	0.043667	0.016968	0.020001
Hoxd3os1	0	0	0	0
Hoxd4	0.077458	0.284116	0.115456	0
Hoxd8	0	1.344339	0.450842	0
Hoxd9	0	0.120956	0.06972	0
Hp	25.861506	16.693924	11.760435	360.515564
Hp1bp3	36.96446	37.980548	33.092843	32.66654
Hpca	0	0	0	0.1341
Hpcal1	65.075363	53.708717	40.405262	53.84116
Hpcal4	0	0	0	0
Hpd	0.323332	0.93541	0.060694	3.48345
Hpdl	0.309327	0.633872	0.333197	0.285507
Hpgd	0	0	0.085937	0.638848

Hpgds	0.780125	1.81203	1.13076	1.330851
Hpn	1.253853	0.252845	0.089163	6.735601
Hprt	43.891262	59.166752	94.798363	79.200523
Hps1	15.306134	13.430778	13.59548	10.748059
Hps3	4.578871	7.741925	5.908439	5.41034
Hps4	6.167065	7.489811	5.994145	5.821191
Hps5	3.495481	7.482797	6.880632	6.477554
Hps6	4.012859	5.170775	4.495325	5.149263
Hpse	1.779577	1.953579	2.980072	4.474722
Hpse2	0	0	0	0.053374
Hpx	8.995646	8.36765	1.199992	235.842773
Hr	1.233559	0.415086	0.143468	1.478992
Hras	25.215121	24.116096	22.520078	33.889249
Hrasls	0	0	0	0
Hrasls5	0	0	0	0
Hrc	0	3.102833	0	0.047135
Hrct1	1.694865	0.992639	1.332532	1.190111
Hrg	0.171171	0.560832	0	9.526633
Hrh1	0.382973	0.043438	0.276905	0.783915
Hrh2	0.124374	0.136916	0.158901	0.207283
Hrh3	0	0	0	0
Hrh4	0	0	0	0
Hrk	0	0.039535	0.073168	0.064901
Hrnr	0	0	0	0
Hrsp12	10.009212	12.133045	16.147751	21.16654
Hs1bp3	9.759806	13.233162	10.759862	12.915259
Hs2st1	13.686609	22.237129	22.364037	17.636677
Hs3st1	0.52897	0.578811	0.554859	1.277757
Hs3st2	0	0	0	0
Hs3st3a1	0.081897	0	0	0.168045
Hs3st3b1	0.382688	0.470457	0.597288	2.106084
Hs3st4	0	0	0	0
Hs3st5	0	0	0	0
Hs3st6	0.243709	0	0.080724	0
Hs6st1	6.852219	9.951926	6.772305	11.554142
Hs6st2	1.166107	0.368349	0.030827	1.729833
Hs6st3	0	0	0	0
Hsbp1	138.673996	138.242432	189.272308	210.387512
Hsbp1l1	0	0	0	0.303882
Hscb	38.131241	21.566925	40.981777	36.098511
Hsd11b1	17.421019	3.047375	5.164237	15.470054
Hsd11b2	0	0	0	0.094175
Hsd17b1	0	0	0.596414	0.937396
Hsd17b10	127.127785	95.117554	147.272888	103.909637
Hsd17b11	15.790836	18.856808	20.20528	26.388582
Hsd17b12	21.595457	65.440811	82.167519	49.541664
Hsd17b13	0.600761	0.220728	0.0767	7.628303
Hsd17b14	0.181033	0	0	0.255135
Hsd17b2	0	0	0	3.242566

Hsd17b3	0	0	0	0
Hsd17b4	10.279832	24.985641	22.241287	19.333075
Hsd17b6	0	0	0	1.131639
Hsd17b7	4.350237	6.718173	5.963708	3.442161
Hsd3b1	0	0	0	0
Hsd3b2	0	0	0	0.150482
Hsd3b3	0	0	0	0.251116
Hsd3b4	0.162856	0	0.03872	0
Hsd3b5	0	0	0	0
Hsd3b6	0	0	0	0
Hsd3b7	20.141659	46.086284	42.888857	41.6315
Hsdl1	9.660015	11.166538	10.365073	9.984526
Hsdl2	2.32957	4.389209	4.488485	4.55146
Hsf1	22.429527	37.676842	26.231398	26.279989
Hsf2	8.022091	6.38961	5.861335	6.597568
Hsf2bp	0	0.192388	0	0
Hsf3	0	0	0	0
Hsf4	6.321173	2.392422	1.724963	3.019428
Hsf5	0	0	0	0
Hsfy2	0	0	0	0
Hsh2d	0.645081	0	0	0
Hsp90aa1	160.536926	214.59819	195.002045	172.883896
Hsp90ab1	1095.157471	1176.472168	992.520996	811.563354
Hsp90b1	254.771545	236.917633	246.328079	245.498306
Hspa12a	0.233379	0.207222	0.025767	0.796319
Hspa12b	0.945744	3.507704	2.726621	2.100684
Hspa13	7.62318	18.723576	12.737559	10.993509
Hspa14	14.476722	30.151131	27.79576	28.197831
Hspa1a	7.590476	18.977299	35.580574	5.68074
Hspa1b	12.452344	26.856056	50.688919	8.758733
Hspa1l	2.477639	4.00632	4.604861	3.001171
Hspa2	8.531992	7.082598	3.960319	6.264849
Hspa4	40.677292	57.763905	38.073124	41.945549
Hspa4l	9.028452	11.107839	10.560266	7.716423
Hspa5	411.251847	301.708336	271.450859	247.616341
Hspa8	548.337952	757.133972	786.8797	573.896362
Hspa9	293.462402	196.258255	171.347931	156.425659
Hspb1	17.528168	14.327438	4.855836	11.14543
Hspb11	40.341888	26.129269	49.302902	41.195869
Hspb2	16.864293	4.191147	2.505774	7.815259
Hspb3	0	0.622941	0	0
Hspb6	44.145729	30.798088	17.709713	15.879484
Hspb7	14.313543	6.35073	0.862799	2.647178
Hspb8	37.667725	35.296753	23.671503	37.565365
Hspb9	0	0.350652	0.203478	0.223858
Hspbap1	2.197196	4.729993	3.768862	3.790752
Hspbp1	10.292705	18.899067	16.112137	15.697181
Hspd1	90.991798	179.804382	164.384659	119.898186
Hspe1	273.982361	330.359924	553.200684	481.131805

Hspg2	44.920727	44.858929	32.904114	30.292307
Hsph1	11.573473	30.968079	21.889912	26.252468
Htatip2	16.839354	12.772941	13.210781	16.795287
Htatsf1	16.222206	16.606005	17.069378	17.241182
Htr1a	0	0	0	0
Htr1b	0.213411	0.14618	0.041848	0
Htr1d	0.129126	0	0.140993	0.037875
Htr1f	0	0	0	0
Htr2a	0.4559	0.266007	0.047276	0.388162
Htr2b	0.525517	3.297379	0.425558	2.280273
Htr2c	0	0	0	0.012219
Htr3a	0	0	0	0
Htr3b	0	0	0	0
Htr4	0	0	0	0
Htr5a	0	0	0	0
Htr5b	0	0	0	0
Htr6	0	0	0	0.125446
Htr7	0	0.329482	0	0.241062
Htra1	70.75238	159.920609	226.180557	136.022919
Htra2	23.110548	40.433762	44.34293	31.72509
Htra3	12.957714	11.504771	17.048035	30.550078
Htra4	0	0	0	0.131292
Htt	3.380868	4.797021	4.415559	3.67143
Hunk	0.148	0	0	0.196993
Hus1	2.494524	3.799163	3.129478	2.971643
Hus1b	0.362673	0.286198	0.206489	0.097881
Huwe1	13.939243	22.955275	19.368338	15.36449
Hvcn1	0.904051	2.021246	3.151279	4.753139
Hyal1	7.42745	3.236685	4.691143	2.627838
Hyal2	19.861692	32.220505	31.041077	27.387407
Hyal3	1.352495	0.416551	0.308273	0.646944
Hyal4	0	0	0	0
Hyal5	0	0	0	0
Hyal6	0	0	0	0
Hydin	0	0	0	0
Hyi	24.22892	10.426411	15.123706	14.796142
Hykk	0.203927	0.314952	0.183214	0.475041
Hyls1	2.616781	5.891312	7.618945	5.730957
Hymai	0	0.016784	0	0
Hyou1	35.602757	45.954018	37.653847	38.641594
Hypk	182.247803	212.272385	209.099472	254.721756
Hypm	0	0	0	0
I730028E13Rik	0	0	0	0
I730030J21Rik	0	0	0	0
I830077J02Rik	0	2.029642	1.715905	2.258571
Iah1	25.018616	29.119793	31.093588	44.621914
Iapp	0	0	0	0
Iars	24.176714	34.205959	24.869513	18.647543
Iars2	22.429659	30.919159	37.499561	22.088697

Iba57	0.785418	1.183413	0.969592	1.804667
Ibsp	3.333015	1.817819	0.100415	15.990463
Ibtk	3.981935	7.856616	6.981415	5.907109
Ica1	0	0.265274	0.284139	1.090562
Ica1l	0.306648	0.127867	0.174662	0.046435
Icam1	1.834821	4.292718	4.455014	6.680506
Icam2	0.519552	3.89612	5.36687	3.699456
Icam4	0	0	1.153862	0.510252
Icam5	0.447793	0.667418	0.518209	0.689518
Ice1	9.991261	11.274988	8.458173	7.059443
Ice2	0.783552	3.722676	3.685376	2.374718
Ick	5.146946	3.408535	3.542992	2.494292
Icmt	10.069735	11.785966	8.653118	9.92988
Icos	0	0	0.075438	0.032098
Icosl	1.350057	4.333411	5.547768	4.718941
Ict1	25.429708	40.893517	56.100792	50.362194
Id1	135.197311	47.321297	34.072807	81.54277
Id2	73.304352	41.392555	42.685284	68.129402
Id3	233.164307	154.615982	125.393524	251.05368
Id4	0.732765	0.669584	0.148319	0.800019
Ide	10.633517	17.978624	15.457149	12.220843
Idh1	16.042749	30.11183	45.492808	37.615555
Idh2	100.741142	125.801201	105.462357	82.898033
Idh3a	18.842403	32.986698	27.349281	21.362707
Idh3b	72.77639	94.404495	93.34391	76.062202
Idh3g	55.059868	75.572388	78.317314	56.735046
Idi1	0.311118	9.802909	17.816252	0.289778
Idi2	0	0.075664	0	0
Idnk	9.108724	10.368229	11.638115	15.507532
Ido1	0	0	0	0
Ido2	0	0	0	0
Ids	6.299719	8.008453	7.54566	5.016256
Idua	2.660567	3.885953	3.792084	3.572541
Ier2	37.803131	57.382042	26.271795	57.863815
Ier3	221.086792	79.437637	84.556183	91.521706
Ier3ip1	38.846352	44.001377	46.097977	61.615852
Ier5	24.139605	20.945734	17.931049	18.652908
Ier5l	55.976414	35.937759	20.552485	34.097256
Iffo1	7.669189	8.839182	7.564761	8.4091
Iffo2	8.508436	7.027869	8.262678	7.415617
Ifi202b	5.811723	10.791011	13.241298	12.939761
Ifi203	2.611299	4.457441	4.732709	4.998906
Ifi204	5.187199	6.979791	6.984233	14.71847
Ifi205	1.310419	2.344927	0	5.315539
Ifi27	29.622986	36.672458	35.810364	48.93521
Ifi27l2a	3.36114	43.990523	52.39838	99.667709
Ifi27l2b	0.195901	0	0	2.032844
Ifi30	79.395004	194.446655	269.55365	316.534241
Ifi35	10.514716	13.041038	12.076313	17.8671

Ifi44	0	0.160494	0	0.578304
Ifi44l	0	0	0	0
Ifi47	0.48437	2.455851	1.523623	3.862283
Ifih1	0.456005	0.253594	0.622772	1.202811
Ifit1	0.2432	0.418176	0	4.121559
Ifit1bl1	0	0	0	0.126401
Ifit1bl2	0	0	0	0.102115
Ifit2	1.162497	3.58813	3.291932	3.375106
Ifit3	0	1.42746	0.258778	6.306715
Ifit3b	0	0.493633	0.183465	2.713494
Ifitm1	4.049513	17.909181	17.091541	18.729736
Ifitm10	0.809845	0.770637	0.825904	0.549655
Ifitm2	240.060181	346.951782	351.582275	369.890808
Ifitm3	125.597054	323.213379	273.067871	358.360931
Ifitm5	1.048396	3.699904	1.806691	2.507015
Ifitm6	0	1.035232	12.163913	9.989315
Ifitm7	0	0	0	0
Ifltd1	0	0	0	0
Ifna1	0	0	0	0
Ifna11	0	0	0	0
Ifna12	0	0	0	0
Ifna13	0	0	0	0.283484
Ifna14	0	0	0	0
Ifna15	0	0	0	0
Ifna16	0	0	0	0.10183
Ifna2	0	0	0	0
Ifna4	0	0	0	0
Ifna5	0	0	0	0.10183
Ifna6	0	0	0	0
Ifna7	0	0	0	0
Ifna9	0	0	0	0.101297
Ifnab	0	0	0	0.086632
Ifnar1	9.793728	18.755234	16.930973	14.745411
Ifnar2	42.107421	42.661438	36.241916	47.018919
Ifnb1	0	0	0.063951	0
Ifne	1.391099	0.191696	0	0.087415
Ifng	0	0.246066	0	0
Ifngr1	26.500896	50.31395	49.739681	58.614254
Ifngr2	59.201046	85.721352	73.517799	102.673355
Ifnk	0	0	0.05925	0
Ifnl2	0	0	0	0
Ifnl3	0	0	0	0
Ifnlr1	0.914074	0.294777	0.651483	0.803239
Ifnz	0.010169	0.011609	0.057497	0.091313
Ifrd1	89.902275	77.455643	77.815819	71.043816
Ifrd2	16.927841	28.911448	27.335344	22.000372
Ift122	2.426392	5.523825	5.125566	3.588333
Ift140	3.705007	6.321923	5.895297	4.0933
Ift172	4.817584	5.000345	3.771686	3.820702

Ift20	17.692858	43.016041	50.811172	69.07637
Ift22	7.972911	9.361973	9.530535	10.204409
Ift27	9.30159	13.02294	11.002195	11.74299
Ift43	44.693085	53.483817	61.73075	46.068292
Ift46	24.081421	20.471617	21.927784	17.783716
Ift52	11.788795	18.019861	20.272913	16.495522
Ift57	9.75424	10.976479	11.10332	7.81528
Ift74	4.600391	9.132257	11.494661	6.110863
Ift80	1.623211	5.535041	5.69717	4.238187
Ift81	1.76924	4.793449	5.104457	3.264067
Ift88	1.007929	2.142524	3.142691	1.232879
Igbp1	90.343124	69.165489	81.024956	59.45858
Igbp1b	0	0	0	0
Igdcc3	0	0	0	0
Igdcc4	2.421006	1.90577	1.154204	2.059567
Igf1	0.181165	0.835557	0.589683	3.847347
Igf1r	11.802879	13.986348	12.720735	9.055719
Igf2	0.425755	2.997756	0.024389	0.469752
Igf2bp1	8.520409	11.660595	7.796231	7.779226
Igf2bp2	60.189884	43.456081	29.893324	27.006887
Igf2bp3	2.467943	4.263439	2.60385	2.140433
Igf2os	0	0	0	0
Igf2r	18.956066	35.184723	26.285866	23.207146
Igfals	0	0	0.115076	0.217765
Igfbp1	4.196456	0.473044	0	97.398209
Igfbp2	0.844948	0.414376	0	8.937592
Igfbp3	62.756584	78.064857	59.014374	88.476517
Igfbp4	157.587723	164.864349	120.357262	273.384949
Igfbp5	0.675282	6.641818	0.066508	1.269789
Igfbp6	94.68576	57.254871	69.115295	70.292
Igfbp7	209.631554	187.173304	143.661936	320.247992
Igfbpl1	0	0	0	0
Igfl3	0	0	0	0
Igflr1	5.431183	3.587668	3.270464	5.400958
Igfn1	0	2.271108	0	0.019184
Ighmbp2	3.788165	3.839132	2.926297	2.841486
Igip	1.460973	2.732933	2.538086	5.396035
Igll1	0	0	0	0
Iglon5	1.959401	1.413302	0.591593	3.477986
Igsf1	0	0	0	0
Igsf10	0	0.369478	0.102611	0.37859
Igsf11	0.418277	0.02487	0.172029	0.98372
Igsf21	0	0	0	0
Igsf23	0	0	0.077956	0
Igsf3	4.092668	6.285022	2.982366	3.36646
Igsf5	0	0	0	0.703531
Igsf6	8.059078	10.398007	14.433803	11.390605
Igsf8	50.106857	53.368549	50.647301	57.05616
Igsf9	0.558706	1.830652	1.309479	1.45129

Igsf9b	0	0	0	0
Igtp	1.108661	3.980716	1.588655	3.804711
Ihh	0	0.086802	0.080592	0.213427
Iigp1	0.094993	2.001658	0.094395	5.283328
Ik	77.748581	53.590725	44.577152	49.165798
Ikbip	21.272744	26.241161	30.747549	37.364639
Ikbkap	10.37064	12.337613	10.388427	8.785594
Ikbkb	12.151792	25.524095	17.881765	16.635298
Ikbke	3.203772	7.597182	9.404988	14.543796
Ikbkg	4.787202	5.583902	5.335753	5.824176
Ikzf1	0.848842	2.332623	3.011891	2.251248
Ikzf2	0.662553	1.478396	1.59599	1.051076
Ikzf3	0	0.041414	0	0
Ikzf4	0	0.059258	0.081244	0.237901
Ikzf5	4.434967	6.746922	5.396934	4.604417
Il10	1.670857	1.173019	0.452452	4.802277
Il10ra	2.458084	13.219132	13.628317	16.421177
Il10rb	20.515966	35.085953	29.743834	37.812447
Il11	1.364949	2.848376	0.42656	4.733436
Il11ra1	10.375595	9.557006	7.242992	11.221663
Il11ra2	0	0	0	0
Il12a	0	0	0	0
Il12b	0	0.091689	0	0
Il12rb1	0.999849	1.35914	1.027135	1.06763
Il12rb2	0.06726	0.15837	0	0.294648
Il13	0	0	0	0
Il13ra1	6.362209	11.022358	14.940042	13.810225
Il13ra2	0	0	0	0.159296
Il15	0.564841	0.219997	1.467513	1.670082
Il15ra	3.34759	8.122064	9.500201	5.721728
Il16	0.653306	1.005342	1.314563	2.835177
Il17a	0	0	0	0
Il17b	0	0	0	0
Il17c	0	0	0	0
Il17d	0.471751	0	0.279386	0.507918
Il17f	0	0	0	0.195777
Il17ra	8.915661	16.486176	16.689793	16.034185
Il17rb	0.168306	0	0	1.235473
Il17rc	7.012947	7.917058	8.489104	8.474797
Il17rd	0.138333	0.412932	0.088739	0.215791
Il17re	0.117985	0	0	0.116628
Il18	5.932005	7.74824	11.379826	22.559589
Il18bp	0.871852	2.080485	0.994202	3.082947
Il18r1	0	0.071429	0.033949	0.055838
Il18rap	2.389359	4.692018	5.925268	2.156471
Il19	0	0	0	0.275491
Il1a	0.850169	0.642522	0.571079	1.786973
Il1b	0.485459	9.449231	1.591175	3.998442
Il1bos	0	0	0	0.082603

Il1f10	0	0	0	0
Il1f5	0	0	0	0
Il1f6	0	0	0	0
Il1f8	0	0	0	0
Il1f9	0	0	0	0
Il1r1	4.959596	13.584767	10.182501	12.97202
Il1r2	20.564493	2.982645	7.42682	5.688014
Il1rap	1.690902	7.665395	5.395518	4.33916
Il1rapl1	0	0	0	0
Il1rapl2	0	0	0	0
Il1rl1	0.144102	1.389139	1.947706	0.404457
Il1rl2	1.401288	2.916539	2.633742	3.176618
Il1rn	1.97151	6.444755	2.921946	13.729434
Il2	0	0	0	0
Il20	0	0	0	0
Il20ra	0	0	0	0
Il20rb	0.499941	0.544486	0.510303	1.051557
Il21	0	0	0	0
Il21r	0.23681	3.723927	4.00961	6.486068
Il22	0	0	0	0
Il22ra1	0.144508	0	0	0.128742
Il22ra2	0	0	0	0
Il23a	0	0	0.39664	0.08542
Il23r	0	0	0	0
Il24	0	0.148526	1.411952	0.572111
Il25	0	0	0	0
Il27	0	0	0.555978	0.78729
Il27ra	0.236399	0.538262	0.330502	0.667054
Il2ra	0	0.273404	0.033362	0.065367
Il2rb	0.4578	0.259393	0	0.342461
Il2rg	1.261451	9.024266	7.626412	10.655585
Il3	0	0	0	0
Il31	0	0	0	0
Il31ra	0	0	0	0.047472
Il33	3.385368	6.725949	1.459074	12.6365
Il34	26.939303	37.637382	36.029455	25.527222
Il3ra	11.14886	10.505546	10.876532	14.920268
Il4	0	0	0	0
Il4i1	0.175386	0.124651	0.067606	0.053553
Il4ra	32.686691	50.752159	33.857567	47.459389
Il5	0	0	0	0.155892
Il5ra	0	0	0	0
Il6	0	2.127556	1.164529	0.637213
Il6ra	12.827264	9.821789	9.94126	7.723018
Il6st	21.196621	26.942249	22.351862	24.814686
Il7	0	0	0	0
Il7r	0.253791	0.552147	0.318052	0.679885
Il9	0	0	0	0
Il9r	0	0	0	0

Ildr1	0	0	0	0
Ildr2	0.624327	0.220123	0.171929	0.346105
Ilf2	62.728271	75.494781	82.918221	69.881973
Ilf3	24.458252	41.235306	34.034483	23.40825
Ilk	68.183272	109.912536	99.586391	90.17987
Ilkap	50.778786	47.268215	43.722752	43.422455
Iltifb	0	0	0	0
Ilvbl	10.235532	9.786379	12.672114	11.997279
Immp1l	15.533895	20.359316	34.204597	29.813801
Immp2l	15.21476	11.627049	18.019556	9.725165
Immt	42.268595	64.833588	61.548906	46.094949
Imp3	57.131908	49.917492	44.095985	53.742897
Imp4	16.629406	29.714886	29.272429	24.871481
Impa1	8.74079	20.000648	18.326315	13.973389
Impa2	19.385956	19.146641	25.443975	21.756052
Impact	9.643044	12.154931	12.143351	14.496735
Impad1	10.570701	15.126799	14.800287	13.125207
Impdh1	75.671501	34.508537	29.227322	31.655937
Impdh2	77.864815	122.51075	100.494514	76.798988
Impg1	0	0	0	0
Impg2	0	0.036748	0.049869	0.083975
Ina	0	0	0	0
Inadl	0.539699	0.52948	0.591802	0.520008
Inafm1	13.08191	6.656946	5.945364	11.150765
Inafm2	6.652455	8.526713	5.464289	9.345867
Inca1	6.346221	1.339738	1.978682	2.424605
Incenp	11.822554	30.214802	34.761024	20.804783
Inf2	47.041824	44.01395	29.285385	37.998245
Ing1	28.011797	28.365442	25.809268	31.936489
Ing2	15.370193	9.480845	9.255058	9.693832
Ing3	4.536352	5.512846	4.250227	3.616874
Ing4	32.819965	33.847538	36.844376	34.512493
Ing5	9.290443	8.885805	7.887228	8.087522
Inha	3.229545	1.70682	1.471533	2.038724
Inhba	35.477638	35.521065	21.373978	47.847332
Inhbb	3.156094	4.672388	2.772201	3.39966
Inhbc	0	0	0	1.20491
Inhbe	0.091913	0	0	0.515095
Inip	6.185353	9.20751	7.732518	8.062533
Inmt	0.09688	0	0	0.555279
Ino80	6.459254	7.449483	5.647696	6.431334
Ino80b	13.679117	11.531808	9.322106	12.146599
Ino80c	7.000857	19.085375	19.016754	12.838833
Ino80d	5.260428	4.128177	3.705263	4.226448
Ino80dos	0.872748	1.276865	1.195505	1.061222
Ino80e	25.645048	33.788418	25.224739	31.015953
Inpp1	2.19694	5.227624	4.157513	3.612311
Inpp4a	3.367161	4.658154	4.525085	5.206203
Inpp4b	0.912873	2.892881	3.962449	1.403871

Inpp5a	21.591782	14.398422	10.178036	15.348957
Inpp5b	7.608306	12.216678	8.105024	8.486567
Inpp5d	5.878621	10.52192	9.673101	11.043359
Inpp5e	3.134779	7.86885	4.820534	7.160809
Inpp5f	5.411123	6.631069	4.524165	4.23182
Inpp5j	0.028537	0	0	0.049916
Inpp5k	15.946093	13.406712	14.98274	11.242368
Inppl1	27.990225	35.837076	25.50557	29.103781
Ins1	0	0	0	0
Ins2	0	0	0	0
Insc	0.191015	0.146243	0	2.495136
Insig1	11.111014	24.069376	51.977398	15.416405
Insig2	16.722654	15.016347	20.32896	18.383946
Insl3	2.789979	11.686948	1.598132	0.632335
Insl5	0	0	0	0
Insl6	4.385795	3.659164	8.771012	9.886125
Insm1	0	0	0	0.019207
Insm2	0.04794	0	0	0.037435
Insr	4.285479	6.821263	5.34913	4.554947
Insrr	0	0	0	0.113462
Ints1	7.630175	13.718897	12.000328	8.590238
Ints10	5.316194	11.62158	8.63882	7.334985
Ints12	19.561148	14.491085	15.238954	12.333832
Ints2	3.134891	6.25235	5.284208	4.5259
Ints3	15.342274	21.642882	17.590367	14.663133
Ints4	6.135411	10.056484	7.698867	7.676236
Ints5	12.46978	17.667078	12.734606	14.853262
Ints6	2.344139	4.694927	2.787937	3.089181
Ints7	7.623707	12.289169	6.911164	8.347066
Ints8	2.166703	5.768461	4.461332	4.88515
Ints9	4.853834	8.335289	7.488148	6.362061
Intu	0.448943	1.011076	1.066366	0.906158
Invs	0.551209	2.222371	2.807155	2.010724
Ip6k1	26.122643	17.677519	19.730806	20.256397
Ip6k2	14.320416	15.586101	14.782169	14.742635
Ip6k3	0.107493	0.478099	0	0.140041
Ipcef1	0	0.053306	0.044274	0.114256
Ipmk	8.224939	5.968282	7.46157	6.643533
Ipo11	3.829817	8.480589	7.435838	6.256533
Ipo13	9.477479	16.67227	11.950062	13.108385
Ipo4	23.202866	31.912357	22.084951	21.548841
Ipo5	39.017574	52.354786	43.300922	35.728382
Ipo7	27.800262	45.819843	34.099606	25.049425
Ipo8	8.957455	18.155159	13.803903	11.569324
Ipo9	17.799664	29.189287	21.678139	17.865103
Ipp	0.98734	2.463996	3.51373	2.474103
Ippk	2.736341	6.11552	4.138987	5.322271
Ipw	0	0	0	0
Iqca	0	0	0	0

Iqcb1	11.604756	8.417953	9.730926	6.534907
Iqcc	2.364786	5.623106	6.391627	5.602363
Iqcd	0.425825	0.414281	0.118086	0.6945
Iqce	4.358737	7.039767	5.935165	5.505083
Iqcf1	0	0	0	0
Iqcf3	0	0	0	0
Iqcf4	0	0	0	0
Iqcf5	0	0	0	0.206281
Iqcf6	0	0	0	0
Iqcg	0	0	0.098639	0.249378
Iqch	0	0	0	0
Iqcj	0	0	0	0
Iqck	1.084803	0.314132	0.19444	0.40508
Iqgap1	73.975769	94.165878	68.657768	72.548553
Iqgap2	0.570619	0.878426	1.284932	3.21902
Iqgap3	2.308803	7.327917	9.462269	4.278734
Iqsec1	15.868119	13.726416	8.525135	14.350355
Iqsec2	2.550897	2.162938	1.827794	2.688702
Iqsec3	0	0	0.012914	0
Iqub	0	0	0	0
Irak1	21.102365	25.775239	23.977344	21.109573
Irak1bp1	3.288603	3.889173	5.90181	3.829489
Irak2	11.163019	9.750266	11.331455	14.651128
Irak3	1.629218	1.024668	1.937829	1.474836
Irak4	2.123992	6.442248	5.49402	7.404633
Ireb2	4.644054	6.67085	5.772671	5.643633
Irf1	33.145581	33.788478	40.940291	33.282287
Irf2	13.821707	13.721612	12.566574	13.788482
Irf2bp1	9.121837	12.810285	7.866771	10.710593
Irf2bp2	63.280506	38.630699	31.151775	37.744392
Irf2bpl	53.628231	38.202045	25.960213	23.563564
Irf3	13.644856	23.712948	17.480756	18.842534
Irf4	0	0.045301	0.136415	0.378113
Irf5	6.555708	21.253023	20.703807	28.917604
Irf6	0.059279	0	0	0.93755
Irf7	1.062628	4.306939	0.934155	11.375039
Irf8	7.07693	7.521332	14.628165	18.511597
Irf9	5.367092	7.53134	6.464274	10.187044
Irg1	0.134033	0.114761	0.0378	0.088814
Irgc1	0	0.251499	0.16136	0.158079
Irgm1	2.485805	7.117575	5.463255	8.664187
Irgm2	0.597539	2.05954	0.852086	2.326027
Irgq	3.77424	4.343295	2.555043	3.54303
Irs1	2.709805	3.87439	2.890846	3.199783
Irs2	5.424775	4.067752	3.904571	2.842078
Irs3	0	0	0	0.14902
Irs4	0	0	0	0
Irx1	0	0	0	0
Irx2	0	0	0	0

Irx3	1.046586	0.575773	0.156506	1.391271
Irx4	0	0	0	0
Irx5	6.597325	4.488544	3.4541	3.36392
Irx6	0	0	0	0
Isca1	23.232386	19.957445	19.352566	20.958467
Isca2	49.185753	58.440968	80.365913	72.441803
Iscu	25.871716	32.147678	29.147236	45.821278
Isg15	4.424043	5.177513	2.6436	26.366205
Isg20	23.379993	10.173514	12.079406	11.194585
Isg20l2	16.639446	37.726395	26.838352	26.593451
Isl1	0.098088	0	0	0.091914
Isl2	0.185616	0.677272	0.46821	0.306888
Islr	6.399073	4.049695	3.025118	15.490618
Islr2	0.507362	0.118296	0.211886	0.184487
Ism1	3.432377	2.126258	1.377996	2.569652
Ism2	0.117706	0.151172	0	0.114585
Isoc1	4.974882	10.552188	13.082096	7.740015
Isoc2a	10.877302	13.707331	16.196196	18.011404
Isoc2b	3.193802	3.133491	2.930158	4.052591
Ispd	0.383043	0.784886	0.882794	0.643032
Israa	0.209353	0.119056	0.136319	0.506103
Ist1	55.975201	38.384007	32.052177	36.07542
Isx	0	0	0	0
Isy1	20.760723	33.624378	31.434063	27.488417
Isyna1	19.42948	44.742466	31.823038	31.922354
Itch	5.933014	6.109622	5.0384	6.015939
Itfg1	10.045344	20.913504	23.667971	15.885819
Itfg2	3.847583	8.513076	8.530594	6.066012
Itfg3	21.110896	24.257332	23.193465	22.13493
Itga1	1.506672	0.633902	0.581713	1.755013
Itga10	3.556674	0.8875	1.310869	1.191703
Itga11	4.20242	1.6018	0.281059	3.143061
Itga2	0.034932	0.040236	0.382447	0.547499
Itga2b	2.080785	0.550157	0.568193	1.212317
Itga3	30.557845	66.378105	74.670799	30.770532
Itga4	0.124927	0.729357	1.188477	1.250116
Itga5	121.891609	142.315521	89.447586	89.810417
Itga6	15.222174	32.726319	27.324774	24.390807
Itga7	4.434401	5.802404	5.43861	2.978401
Itga8	0.548164	0.476584	0.237778	1.366364
Itga9	3.597366	2.530093	1.722896	6.90297
Itgad	0	0.304837	0	0.102303
Itgae	0.129182	0.329446	0.388024	0.196303
Itgal	0.765426	4.413367	3.430989	2.763156
Itgam	13.349075	47.886713	69.031501	44.972088
Itgav	14.326813	27.331654	21.375584	17.401199
Itgax	0	4.560456	1.280165	3.178964
Itgb1	177.685333	272.914703	220.824478	260.902313
Itgb1bp1	45.890129	40.285782	65.687042	62.06076

Itgb1bp2	0	2.600034	0.304667	0
Itgb2	27.928333	64.028175	78.857002	90.580833
Itgb2l	0	0	0	0
Itgb3	5.691657	9.140022	4.896348	7.902475
Itgb3bp	0.421579	3.479844	4.303234	2.413172
Itgb4	1.1089	0.769035	0.592185	1.102588
Itgb5	116.135348	160.53077	126.949675	138.459448
Itgb6	0	0	0	0.094248
Itgb7	3.308875	8.774589	12.714727	10.152297
Itgb8	0.776093	1.434028	1.392464	1.006382
Itgbl1	2.905272	2.210546	2.206724	0.938291
Itih1	0	0	0	3.095114
Itih2	0.093119	0.095132	0	17.325121
Itih3	1.160311	1.083727	0	58.288055
Itih4	0.652611	1.757944	0	25.604722
Itih5	0	0.058655	0.074202	0.080535
Itk	0	0.079084	0	0
Itln1	0.391561	0	0.17293	0.508919
Itm2a	2.790257	3.946851	0.271152	3.849638
Itm2b	240.392563	261.665588	296.393188	380.431976
Itm2c	150.276474	130.21286	111.48893	136.621658
Itpa	18.322933	37.395683	34.119751	36.31171
Itpk1	35.813419	10.097939	12.861039	13.921994
Itpka	0.108902	0	0	0.096311
Itpkb	1.921343	4.736012	3.810029	4.030179
Itpkc	9.110907	4.776241	4.033198	5.174236
Itpr1	3.695984	7.538793	6.951694	4.041219
Itpr2	2.8079	2.013481	2.046428	3.169574
Itpr3	28.025623	39.441833	31.628214	19.364019
Itprip	19.464819	25.712326	22.443428	19.103445
Itpripl1	2.716726	0.059347	3.603936	4.181427
Itpripl2	18.143877	24.419481	22.208563	22.784649
Itsn1	11.409009	20.8449	16.162332	16.100563
Itsn2	7.175122	10.513137	9.872418	9.685714
Ivd	7.768523	12.20877	10.560507	9.362186
Ivl	0	0	0	0.056716
Ivns1abp	43.096339	63.638792	53.950232	54.196517
Iws1	4.136635	6.106963	4.564848	4.259506
Iyd	0	0	0	0.518621
Izumo1	0	0	0	0
Izumo1r	0	0	0.075178	0
Izumo2	0	0	0	0
Izumo3	0	0	0	0
Izumo4	4.896248	4.368932	4.861186	5.987496
Jade1	2.521714	4.529027	3.196209	3.447352
Jade2	13.143101	11.104942	9.400292	8.508452
Jade3	2.48178	3.487893	2.745371	2.01068
Jag1	13.859053	18.979599	9.305595	19.653786
Jag2	4.164629	3.251667	3.943861	2.101437

Jagn1	14.016959	39.712013	38.121439	47.403805
Jak1	23.27441	20.450167	16.292391	19.065895
Jak2	5.549147	6.234974	4.97431	7.961086
Jak3	29.916447	24.506994	23.13835	21.203876
Jakmip1	0	0	0	0
Jakmip2	0	0	0	0
Jakmip3	0.035561	0	0	0.020827
Jam2	0.623139	1.100011	0.275054	1.682136
Jam3	1.759131	13.692661	14.216973	9.374535
Jarid2	4.494158	4.713793	4.689455	4.287869
Jazf1	0	0.24593	0.369566	0.354687
Jchain	0	0.208417	0.581904	0
Jdp2	22.030387	35.356542	25.079664	29.160108
Jkamp	17.270134	19.68198	28.765628	26.873396
Jmjd1c	11.552053	8.07958	8.819744	6.899893
Jmjd4	1.285324	4.338636	2.780658	3.58352
Jmjd6	63.281605	41.958057	45.774029	46.594028
Jmjd7	1.965763	9.680917	14.739534	6.96352
Jmjd8	13.83545	16.785849	16.18372	16.997837
Jmy	3.755093	3.600328	2.79022	3.015608
Josd1	26.093573	26.782738	24.309269	23.128736
Josd2	9.035674	19.053815	15.706167	23.254732
Jph1	0	0.720562	0	0
Jph2	2.461912	1.827528	0	2.326019
Jph3	0	0	0	0.196773
Jph4	0.077273	0.291417	0.328529	0.241732
Jpx	0.310977	0.550838	1.359223	0.750502
Jrk	0.785243	1.978323	1.285222	1.273475
Jrkl	1.317192	2.018147	1.222372	2.011592
Jsrp1	1.560109	5.218694	0	1.584576
Jtb	34.41687	50.927906	53.206757	63.863426
Jun	65.872757	77.057091	62.809479	50.178425
Junb	314.672272	197.701523	113.152946	167.318481
Jund	95.353622	54.939858	35.045646	44.653687
Jup	16.223709	23.219378	10.338587	19.424406
Kalrn	3.462673	2.960373	3.367392	2.235055
Kank1	3.754148	0.487082	0.521913	1.913462
Kank2	24.915077	18.050035	14.591868	18.927649
Kank3	4.350383	7.047736	7.097753	4.68833
Kank4	0	0	0	0
Kank4os	0	0	0	0
Kansl1	11.192528	13.097337	9.511387	9.997375
Kansl1l	1.615612	2.341083	2.402104	1.870063
Kansl2	16.530326	16.356122	18.125897	19.471688
Kansl3	41.006306	35.16341	26.442114	25.831661
Kantr	0.940187	1.417743	1.46058	1.442041
Kap	0	0	0	0
Kars	106.990006	117.785946	101.597381	83.80118
Kat2a	35.928554	47.65352	35.233588	32.441151

Kat2b	1.752675	4.998103	3.984348	3.734195
Kat5	22.118973	29.0543	29.209525	21.434441
Kat6a	8.655387	11.044725	7.170604	7.235633
Kat6b	4.244703	4.795912	4.059144	3.582476
Kat7	17.543378	16.2201	12.168546	9.797654
Kat8	15.966361	16.236809	13.83489	15.59356
Katna1	27.81884	20.831947	25.888527	21.426867
Katnal1	3.884547	3.727905	3.783823	3.180349
Katnal2	0	1.480698	1.914338	0.173471
Katnb1	5.093017	8.085382	6.908329	6.720258
Katnbl1	6.895243	9.295616	11.178331	9.799649
Kazald1	8.907304	9.084686	7.729301	18.171762
Kazn	0.295446	0.16508	0.061758	0.072202
Kbtbd11	0.954598	0.63558	1.525178	1.071731
Kbtbd12	0	0.062057	0	0
Kbtbd13	0.115276	0.042872	0	0
Kbtbd2	13.502312	13.334749	10.863667	10.789048
Kbtbd3	0.572744	0.641597	0.903296	1.114556
Kbtbd4	4.528419	9.662115	6.242648	7.025028
Kbtbd6	0.047195	0.417459	0.4431	0.258359
Kbtbd7	0.489268	0.968579	0.7416	0.972431
Kbtbd8	0	0.160677	0.233722	0.280322
Kcmf1	72.52552	41.965065	40.03315	46.870167
Kcna1	0	0	0	0
Kcna10	0	0	0	0
Kcna2	0	0	0	0.00833
Kcna3	0.46969	1.913034	1.192013	1.407433
Kcna4	0	0.025693	0	0.035628
Kcna5	0.016271	0.112767	0.278573	0
Kcna6	0.042434	0	0	0
Kcna7	0.242996	0.315565	0.028187	0.146409
Kcnab1	0	0.181473	0.111151	0.228359
Kcnab2	3.833935	6.943942	6.245593	7.407002
Kcnab3	0.603948	0.217412	0.287778	0.336164
Kcnb1	0.393364	0.029422	0.026491	0.259659
Kcnb2	0	0	0	0
Kcnc1	0	0.065375	0	0
Kcnc2	0	0	0	0
Kcnc3	0.434746	0.147104	0.295624	0.388448
Kcnc4	0	0.502807	0	0
Kcnd1	1.117599	1.554299	1.693955	1.996548
Kcnd2	0	0	0	0
Kcnd3	0	0	0	0
Kcnd3os	0	0	0	0
Kcne1	0	0	0	0
Kcne1l	0	0	0	0.04014
Kcne2	0	0	0	0
Kcne3	0.839162	10.184316	11.271429	11.901724
Kcne4	10.924051	0.986273	0.778646	5.487798

Kcnf1	15.90604	26.775248	26.283691	24.0259
Kcng1	0	0	0.063785	0
Kcng2	0.176036	0.120579	0.086997	0.239734
Kcng3	0	0	0	0
Kcng4	0	0	0	0
Kcnh1	0.184736	0.362063	0.21713	0.668915
Kcnh2	0.342029	1.298296	0.475658	1.726529
Kcnh3	0	0	0	0
Kcnh4	0	0	0	0
Kcnh5	0	0.21843	0.132088	0.283952
Kcnh6	0	0	0	0
Kcnh7	0	0	0	0
Kcnh8	0	0	0	0
Kcnip1	0.60126	0.444348	0.150013	0.10143
Kcnip2	0	0	0.061355	0.09686
Kcnip3	0.371656	0.886059	0.867387	1.176725
Kcnip4	0	0	0.102459	0
Kcnj1	0	0	0	0
Kcnj10	0	0.22725	0.054521	0.064123
Kcnj11	0	0.394095	0	0
Kcnj12	0	0.277385	0.021129	0.63633
Kcnj13	0.325708	0	0	0.077466
Kcnj14	0.403107	0.160133	0.323925	0.35587
Kcnj15	0.163333	1.272943	0.06285	0.053221
Kcnj16	0	0	0	0
Kcnj2	0.786245	1.589056	1.178034	1.223086
Kcnj3	0	0	0	0
Kcnj4	0	0	0.045764	0.107528
Kcnj5	0	0	0	0
Kcnj6	0	0	0	0
Kcnj8	0.22618	1.314742	2.642435	3.078312
Kcnj9	0	0	0	0.052463
Kcnk1	0.427779	0	0	0.174516
Kcnk10	0	0.050251	0	0
Kcnk12	0	0	0	0.089206
Kcnk13	0.978345	1.619348	2.516311	2.167298
Kcnk15	0	0	0	0
Kcnk16	0	0	0	0
Kcnk18	0	0	0	0.038287
Kcnk2	2.776301	2.015809	3.232519	1.479978
Kcnk3	0.052025	0	0	0.152142
Kcnk4	0	0	0	0
Kcnk5	0.940874	4.225391	4.515785	3.306376
Kcnk6	0.622669	2.967331	2.496814	2.544973
Kcnk7	0	0	0	0.303475
Kcnk9	0	0	0	0
Kcnma1	0.123184	1.145141	0	0.200787
Kcnmb1	0	0	0.047031	0
Kcnmb2	0	0	0	0.039504

Kcnmb3	0	0	0	0
Kcnmb4	0	0	0	1.251348
Kcnmb4os1	0	0	0	0
Kcnmb4os2	0	0	0	0
Kcnn1	1.48217	1.143005	1.101205	1.502639
Kcnn2	0	0	0	0
Kcnn3	0.143039	0.122249	0.038788	0.634391
Kcnn4	66.173086	85.879305	75.36821	79.106754
Kcnq1	0.582849	0.223747	0.562702	0.20951
Kcnq1ot1	0.186916	0.196469	0.316462	0.354459
Kcnq2	0	0	0	0
Kcnq3	0	0	0	0
Kcnq4	0	0.118233	0.128924	0.068977
Kcnq5	1.271537	2.379661	2.141432	1.324405
Kcnrg	0	0.483269	0.403181	0.719678
Kcns1	0	0	0	0
Kcns2	0	0	0	0
Kcns3	0.050686	0	0	0.056731
Kcnt1	0	0	0	0
Kcnt2	0.225417	0	0	0.087816
Kcnu1	0	0	0	0
Kcnv1	0	0	0	0
Kcnv2	0	0	0	0
Kcp	0.160314	0.052081	0.085562	0.449286
Kctd1	0.531675	1.488515	1.049059	1.002322
Kctd10	110.755583	64.709679	59.012888	78.816366
Kctd11	11.897859	16.085955	8.881859	15.641438
Kctd12	0.584909	6.839559	4.578018	7.767613
Kctd12b	0.112715	0.405499	0.481704	0.733722
Kctd13	14.120844	8.978628	8.445935	8.863009
Kctd14	0	0.117053	0.08291	0.197439
Kctd15	21.270359	16.394432	8.946685	17.64674
Kctd16	0	0	0	0
Kctd17	18.965327	27.748664	20.738774	27.886867
Kctd18	7.751079	5.710349	4.919549	4.46361
Kctd19	0.062214	0	0	0
Kctd2	20.369593	13.240544	12.986901	13.851516
Kctd20	27.687737	25.102371	19.027132	22.076717
Kctd21	1.078535	1.718567	1.398801	1.851887
Kctd3	8.809573	12.168275	9.26158	9.078876
Kctd4	0.18978	0.309221	0.178412	0.365009
Kctd5	25.364262	35.492847	29.88232	26.489832
Kctd6	10.330389	6.454965	3.370007	5.928254
Kctd7	0.485862	0.999752	0.885875	1.15234
Kctd8	0	0	0	0
Kctd9	5.645562	7.768083	7.524515	8.61132
Kdelc1	12.652521	32.680775	35.106903	27.987001
Kdelc2	7.120535	11.427835	12.814054	8.827219
Kdelr1	137.023865	94.209198	93.219131	120.775253

Kdelr2	68.767097	80.503883	84.172813	99.995453
Kdelr3	52.858723	31.950634	23.863594	45.204277
Kdf1	0.137957	0	0.082252	0.290001
Kdm1a	40.447937	43.16584	39.03828	31.860235
Kdm1b	1.055844	2.97447	1.992844	1.733889
Kdm2a	17.22645	21.079163	14.837526	19.385057
Kdm2b	2.22142	4.449212	4.618042	4.328478
Kdm3a	40.211255	21.176495	25.230633	12.518891
Kdm3b	11.632133	11.299295	9.981024	8.436521
Kdm4a	22.789195	25.740972	18.466765	16.133664
Kdm4b	21.534962	11.280235	11.166892	9.637625
Kdm4c	3.19062	4.723055	4.607316	3.531695
Kdm4d	0.037231	0	0	0.065413
Kdm5a	8.282371	7.225324	7.115579	5.734272
Kdm5b	21.036829	18.732431	14.783907	15.800251
Kdm5c	12.01897	17.026222	12.902952	11.51908
Kdm5d	0.461334	0.842782	0	0
Kdm6a	5.435125	6.555424	6.107481	5.218177
Kdm6b	27.775999	17.108652	12.335159	14.968022
Kdm7a	5.856519	3.506348	3.417014	3.517503
Kdm8	1.234021	3.097699	2.229704	1.646302
Kdr	0.488845	2.765695	2.237015	1.442862
Kdsr	8.100656	15.29586	15.390056	14.226887
Keap1	14.187324	12.722933	13.607824	14.607322
Keg1	0	0	0	0.208575
Kel	0	0	0	0
Kera	0	0.282859	0	0
Khdc1a	0	0	0	0
Khdc1b	0	0	0	0
Khdc1c	0	0	0	0
Khdc3	0	0	0	0
Khdrbs1	25.067268	43.80381	32.288138	27.452493
Khdrbs2	0	0	0	0
Khdrbs3	1.251638	1.251871	0	5.34992
Khk	34.894363	19.082552	38.918156	32.208755
Khnyn	13.143875	9.031845	9.098642	7.556812
Khsrp	53.921394	61.467491	45.260525	38.793377
Kidins220	11.050378	18.523764	18.620905	14.911992
Kif11	0.700044	7.322021	9.424238	3.757761
Kif12	0	0	0	0.077391
Kif13a	6.532008	5.237786	3.46278	4.136631
Kif13b	0.585467	1.150093	1.312333	1.828792
Kif14	0.136218	1.920509	2.069474	0.966414
Kif15	0.211547	3.467804	5.916914	2.611452
Kif16b	2.193853	4.588488	2.92201	2.225994
Kif16bos	0	0	0	0
Kif17	0	0	0.301865	0.059303
Kif18a	0.335092	3.156462	4.694057	2.022324
Kif18b	0.999204	7.730664	7.075706	4.562502

Kif19a	0.230955	0	0.086062	0.880012
Kif1a	0.155793	0.061292	0.017863	0.303669
Kif1b	11.882932	8.480077	8.441636	8.590201
Kif1bp	12.27869	14.047277	15.349824	11.069865
Kif1c	55.819782	43.821564	30.718533	46.088924
Kif20a	1.316687	12.597588	13.283598	7.477586
Kif20b	0.552536	4.702584	5.208974	1.952046
Kif21a	1.338366	1.628726	1.521187	1.77637
Kif21b	3.500619	2.991675	4.38676	4.79407
Kif22	4.66187	20.561258	21.699482	15.643572
Kif23	3.209567	15.024632	16.729282	7.648043
Kif24	0.2961	1.072906	1.351239	0.780063
Kif26a	0.353999	0.367005	0.325407	0.128202
Kif26b	2.613233	4.187587	2.4382	3.746195
Kif27	0.044423	0	0	0.064868
Kif2a	12.973983	7.849727	6.58635	8.907983
Kif2b	0	0	0	0
Kif2c	2.10007	10.997155	10.907703	6.719439
Kif3a	13.679083	9.0524	8.973515	9.820863
Kif3b	4.865831	8.698647	6.10595	8.660489
Kif3c	8.232528	10.473408	9.080811	8.238111
Kif4	0.835298	6.311565	7.814875	4.300458
Kif4-ps	0	0	0	0
Kif5a	0.212595	0.080586	0.179458	0.127732
Kif5b	18.687466	22.517012	17.378197	20.853485
Kif5c	0.294524	0.6165	0.450081	0.63029
Kif6	0.141209	0	0.055644	0
Kif7	1.650041	1.471754	1.068684	1.713189
Kif9	0	0.120765	0.140157	0.361137
Kifap3	6.700372	6.60333	6.655281	6.728381
Kifc1	4.710611	15.494781	17.838699	11.414547
Kifc2	1.237972	0.631595	0.390524	1.183002
Kifc3	4.550411	8.053057	6.203121	7.883541
Kifc5b	3.303934	8.69009	10.908387	5.775829
Kin	13.47826	13.978433	11.66806	15.941779
Kir3dl1	0	0	0	0
Kir3dl2	0	0	0	0
Kirrel	19.640513	38.531717	31.698157	20.717195
Kirrel2	0	0	0	0
Kirrel3	0.304839	0.266395	0.090315	0.63697
Kis2	0	0	0	0
Kiss1	0	0	0	0
Kiss1r	0.155882	0.268367	0.045058	0.551858
Kit	0.750757	0.647502	0.973431	0.601084
Kitl	3.439152	5.934221	5.569887	5.2971
Kiz	4.483693	9.129891	10.367502	6.663193
Kl	0	0	0	0
Klb	0	0	0	0.378636
Klc1	58.105233	56.452737	49.958623	55.838012

Klc2	9.113354	14.026883	8.252494	7.610118
Klc3	0.842319	1.937847	0.096237	1.298273
Klc4	14.171121	9.837795	10.699175	11.568001
Klf1	0.226128	0.110636	0.256802	0
Klf10	57.202435	52.418743	45.840656	47.840598
Klf11	12.77889	3.663951	1.84832	3.478517
Klf12	0.075936	0	0	0.12903
Klf13	29.173176	25.518805	16.92227	20.61058
Klf14	0.056951	0	0	0
Klf15	0.901509	0.239949	0	1.128142
Klf16	14.922185	10.903928	6.595531	11.485222
Klf17	0	0	0	0
Klf2	26.296461	52.478397	34.080978	58.710262
Klf3	22.320082	20.248482	13.284656	17.047112
Klf4	38.77327	37.171185	23.799349	27.804945
Klf5	29.671225	17.702366	11.519257	11.552134
Klf6	56.080006	59.764423	52.35849	52.017929
Klf7	13.461228	8.799956	6.623566	8.032511
Klf8	0	0	0.088386	0.052092
Klf9	39.676144	11.899658	10.37192	13.942019
Klhdc1	8.500849	3.388172	5.057078	3.970369
Klhdc10	7.865775	10.971583	8.532203	8.492225
Klhdc2	88.849838	91.277031	110.021317	89.024803
Klhdc3	28.332647	35.95837	28.01886	32.707084
Klhdc4	17.110584	18.332996	13.951772	22.932917
Klhdc7a	0.056659	0.043487	0	0
Klhdc7b	0	0	0	0
Klhdc8a	2.283827	4.915607	2.032268	3.926116
Klhdc8b	3.61504	2.205589	1.537033	2.695716
Klhdc9	2.98711	4.245606	3.884047	3.95306
Klhl1	1.126884	2.955628	1.848352	2.391283
Klhl10	0.295552	0.168703	0.461091	0.532149
Klhl11	2.655366	4.003218	3.205682	2.63943
Klhl12	4.335572	5.280935	4.493652	4.125239
Klhl13	0.091457	0.091357	0.075733	0.657638
Klhl14	0	0	0	0
Klhl15	1.470798	0.778495	1.138418	0.793822
Klhl17	7.965559	11.992241	8.474084	8.882214
Klhl18	1.72741	3.501017	2.898565	4.232762
Klhl2	14.477561	10.783404	10.095835	12.957117
Klhl20	3.862206	8.434474	5.814446	5.731579
Klhl21	33.957825	18.157717	13.869968	17.777697
Klhl22	18.418331	24.211973	20.456629	22.904272
Klhl23	0.203354	0.75184	0.860478	0.665627
Klhl24	13.600965	10.057252	10.086932	7.527845
Klhl25	2.884369	5.42569	3.942278	4.720062
Klhl26	13.698104	17.442779	13.095652	18.520055
Klhl28	2.698452	2.633143	2.389741	1.349056
Klhl29	0.429187	0.168022	0.055715	0.224136

Klhl3	0.09223	0	0.022375	0.081293
Klhl30	0.860033	2.449444	0.847873	1.086294
Klhl31	0	0.323319	0	0
Klhl32	0	0	0	0
Klhl33	0.699904	0.223782	0.139796	0.505796
Klhl34	0	0.048472	0.037503	0.043617
Klhl35	0	0	0.157802	0.05947
Klhl36	1.359385	1.060126	1.599095	2.145417
Klhl38	0	0.095395	0	0.332726
Klhl4	0	0	0.175465	0
Klhl40	0	1.313905	0.279472	0.070298
Klhl41	0	6.563704	0	0.159783
Klhl42	2.264616	6.140372	3.887289	3.977026
Klhl5	11.703977	16.15749	16.009306	13.506937
Klhl6	7.283193	4.684988	10.188519	10.404194
Klhl7	8.894399	13.314394	15.296432	9.875211
Klhl8	1.921693	3.024165	2.623636	2.544143
Klhl9	16.414024	20.710331	22.985744	23.201546
Klk1	0	0	0	0
Klk10	2.301793	5.336296	8.289405	3.961824
Klk11	0	0	0	0
Klk12	0	0	0	0
Klk13	0	0	0	0
Klk14	0	0	0	0
Klk15	0	0	0	0
Klk1b1	0	0	0	0
Klk1b11	0	0	0	0
Klk1b16	0	0	0	0
Klk1b21	0	0	0	0
Klk1b22	0	0	0	0
Klk1b24	0	0	0	0
Klk1b26	0	0	0	0
Klk1b27	0	0	0	0
Klk1b3	0	0	0	0
Klk1b4	0	0	0	0
Klk1b5	0	0	0	0
Klk1b7-ps	0	0	0	0
Klk1b8	0	0	0	0
Klk1b9	0	0	0	0
Klk4	0	0	0	0
Klk5	0	0	0	0
Klk6	0	0	0	0.127655
Klk7	0.480113	0	0.141094	0.099788
Klk8	59.460007	47.587029	50.020802	35.205334
Klk9	0.648654	0.201357	0.46205	0.118054
Klkb1	0.091728	0	0	0.621375
Klra1	0	0.052742	0.372596	0.172025
Klra10	0	0	0	0
Klra12	0	1.142268	10.660977	1.40449

Klra13-ps	0	0	0	0
Klra14-ps	0	0	0.090051	0
Klra15	0	0	0	0
Klra17	0	0.139387	0	0.199585
Klra18	6.894657	9.343851	20.293594	8.605739
Klra19	0	0	0	0
Klra2	3.087685	7.31349	13.956207	10.600144
Klra21	0	0	0	0
Klra22	0.220463	1.111113	2.441904	1.452403
Klra23	0	0	0	0
Klra3	0	0	0	0
Klra4	0	0	1.35296	0
Klra5	0	0	0.064173	0
Klra6	0	0	0	0
Klra7	0	0	0	0
Klra8	0	0	0	0
Klra9	0	0	0	0
Klrb1	0	0	0	0
Klrb1-ps1	0	0	0	0
Klrb1a	0	0	0.057977	0.51029
Klrb1b	0	0.804587	0.44285	1.726255
Klrb1c	0	0.112843	0.204551	0.265223
Klrb1f	0	0	0	0
Klrc1	0	0	0.185246	0
Klrc2	0	0	0.545758	0
Klrc3	0	0	0	0
Klrd1	0	0.48994	0	0.401254
Klre1	0	0	0	0
Klrg1	0	0.684336	0.505415	0.777883
Klrg2	1.767331	3.970682	4.648267	2.783637
Klri1	0	0	0	0
Klri2	0	0	0	0
Klrk1	0	0.207303	0	0.139313
Kmo	0	0.390657	0.07885	0.468629
Kmt2a	6.025836	6.798075	5.747287	5.925651
Kmt2b	14.311136	11.785246	9.309812	8.976438
Kmt2c	3.117835	2.505115	2.731819	3.020586
Kmt2d	7.93605	10.059439	8.00071	10.472262
Kmt2e	15.747935	16.295021	14.485338	13.110495
Kncn	0	0	0	0
Kndc1	0	0	0	0
Kng1	0.757301	0.771801	0.126586	61.516893
Kng2	0	0.463699	0	24.402168
Knop1	14.700702	16.26546	11.056158	14.669254
Knstrn	6.909719	23.420849	34.229225	18.421213
Kntc1	0	4.817106	4.178989	1.808201
Kpna1	8.896634	9.365846	7.015797	6.555271
Kpna2	13.221185	38.537098	35.535019	32.277611
Kpna3	9.146257	13.49047	13.524583	9.093965

Kpna4	20.279531	31.422529	29.789314	25.980848
Kpna6	8.915299	14.615741	10.114503	9.818816
Kpna7	0	0	0	0
Kpnb1	75.144844	89.825317	65.72821	57.842339
Kprp	0	0	0	0
Kptn	4.036457	6.540573	7.966883	6.02327
Kras	9.202788	19.963409	15.496799	14.298624
Krba1	0.440198	0.319725	0.227101	0.640341
Krcc1	12.803432	30.474745	40.27037	34.663597
Kremen1	19.794203	19.095245	13.977572	16.509285
Kremen2	0	0	0	0
Kri1	13.706768	17.582355	10.223135	14.413466
Krit1	2.569986	4.110086	3.535899	3.716571
Krr1	8.717717	10.863832	9.129348	9.56306
Krt1	0	0	0	0
Krt10	3.553772	3.660822	4.65154	4.295679
Krt12	0	0	0.291803	0.964842
Krt13	4.333535	0.451196	0.107109	1.81286
Krt14	2.111525	0.281155	0	0.571342
Krt15	0	0	0	0
Krt16	0	0	0	0.123875
Krt17	0	0	0	0
Krt18	15.448398	0.151201	0.070346	40.712688
Krt19	18.203526	0	0	2.555483
Krt2	0	0	0	0
Krt20	5.967384	0.461661	1.934974	2.959193
Krt222	0.072474	0	0	0
Krt23	0	0	0	0.374655
Krt24	0	0	0	0
Krt25	0	0	0	0
Krt26	0	0	0.227017	0.066378
Krt27	0	0.322007	0.667223	0.730413
Krt28	0	0	0	0
Krt31	0	0	0	0
Krt32	0	0	0	0
Krt33a	0	0	0	0
Krt33b	0	0	0	0
Krt34	0	0	0	0
Krt35	0	0	0	0
Krt36	0	0	0	0
Krt39	0	0	0	0
Krt4	0	0	0	0
Krt40	0	0	0	0
Krt42	0	0	0	0
Krt5	0	0	0	0
Krt6a	0	0	0	0
Krt6b	0	0	0	0
Krt7	2.698713	0.102371	1.332158	1.484387
Krt71	0	0	0	0

Krt72	0	0	0	0
Krt73	0	0	0	0
Krt74	0	0	0	0
Krt75	0	0	0	0
Krt76	0	0	0	0.173393
Krt77	0	0	0	0
Krt78	0.091906	0.036078	0.028679	0.048379
Krt79	0	0	0	0.083038
Krt8	6.41102	0.834219	2.393616	21.815496
Krt80	2.03898	4.459236	4.883842	3.010743
Krt81	0	0	0	0
Krt82	0	0	0	0
Krt83	0	0	0.087643	0
Krt84	0	0	0	0
Krt85	0	0	0.157418	0.05727
Krt86	0	0	0.056528	0
Krt9	0	0	0	0
Krtap1-3	0	0	0	0
Krtap1-4	0	0	0	0
Krtap1-5	0.476483	0.232814	0.142044	0.055811
Krtap10-10	0	0	0	0
Krtap10-4	0	0	0	0
Krtap11-1	0	0	0	0
Krtap12-1	0	0	0	0.086502
Krtap13	0	0	0	0
Krtap13-1	0	0	0	0
Krtap14	0	0	0	0
Krtap15	0	0	0	0
Krtap16-1	0	0	0	0
Krtap16-3	0	0	0	0
Krtap17-1	0	0	0	0
Krtap19-1	0	0	0	0
Krtap19-2	0	0	0	0
Krtap19-3	0	0	0	0
Krtap19-4	0	0	0	0
Krtap19-5	0	0	0	0
Krtap19-9b	0	0	0	0
Krtap2-4	0	0	0	0.02331
Krtap20-2	0	0	0	0
Krtap21-1	0	0	0	0
Krtap22-2	0	0	0	0
Krtap24-1	0	0	0	0
Krtap26-1	0	0	0	0
Krtap27-1	0	0	0	0
Krtap3-1	0	0	0	0
Krtap3-2	0	0	0	0
Krtap3-3	0	0	0	0
Krtap31-1	0	0	0	0
Krtap31-2	0	0	0	0

Krtap4-1	0	0	0	0
Krtap4-13	0	0	0	0.023624
Krtap4-16	0	0	0	0
Krtap4-2	0	0	0	0
Krtap4-6	0	0	0	0
Krtap4-7	0	0	0	0
Krtap4-8	0	0	0	0
Krtap4-9	0	0	0	0
Krtap5-1	0	0	0	0
Krtap5-2	0	0	0	0
Krtap5-3	0	0	0	0
Krtap5-4	0	0	0	0
Krtap5-5	0	0	0	0
Krtap6-1	0	0	0	0
Krtap6-2	0	0	0	0
Krtap6-5	0	0	0	0
Krtap7-1	0	0	0	0
Krtap8-1	0	0	0	0
Krtap9-1	0	0	0	0
Krtap9-3	0	0	0	0
Krtap9-5	0	0	0	0
Krtcap2	286.046051	249.312607	281.874023	289.597137
Krtcap3	1.599806	1.239343	1.704643	2.397357
Krtdap	0	0	0	0
Ksr1	3.400846	2.233103	2.492718	3.94971
Ksr2	0	0	0	0
Kti12	14.850542	23.469278	17.858282	20.913002
Ktn1	23.408535	21.108428	22.618321	15.521256
Kxd1	40.349167	26.728291	31.972357	28.877182
Ky	0	0.359842	0	0.021162
Kynu	0	0.21967	0.27651	0.741825
L1cam	0.194168	1.262253	0.811304	0.502135
L1td1	0	0	0	0
L2hgdh	4.110551	9.862343	11.689892	7.488017
L3hypdh	9.753503	21.185707	29.193132	19.699551
L3mbtl1	0	0	0	0
L3mbtl2	3.483196	6.05228	2.766863	4.797438
L3mbtl3	2.46764	2.404871	2.388708	2.217745
L3mbtl4	0.107277	0	0	0
l7Rn6	10.196695	23.462754	29.989322	18.996795
Lacc1	2.386265	7.241371	7.85155	4.826786
Lace1	0.85961	2.556197	2.40912	2.011306
Lactb	5.857038	6.119554	5.663981	8.702019
Lactb2	5.264071	10.585245	14.283172	7.488726
Lactbl1	0	0	0	0
Lad1	2.513262	1.836028	1.962432	3.043653
Lag3	3.894951	0.949066	0.385806	1.502511
Lage3	40.418819	51.202641	76.306244	74.442581
Lair1	0.504681	3.315071	5.830757	4.984676

Lalba	0	0	0	0
Lama1	0.411088	0.115723	0.030697	0.478511
Lama2	0.025271	0.07193	0	0.303015
Lama3	0	0	0	0.027463
Lama4	2.985612	5.133422	3.177017	3.829297
Lama5	58.1297	51.577312	45.088161	25.153666
Lamb1	91.638	181.114944	128.51123	100.275574
Lamb2	28.444429	17.353365	11.099957	13.290582
Lamb3	1.601043	0.777914	0.475215	0.680775
Lamc1	65.97113	93.565437	73.911102	50.667351
Lamc2	3.307067	2.53576	4.665322	3.449835
Lamc3	0.266294	0	0	0.058728
Lamp1	279.603912	368.746979	352.609436	421.212219
Lamp2	81.726679	73.547799	90.136249	91.520581
Lamp3	0.04918	0	0	0.058802
Lamp5	0	0	0	0
Lamtor1	56.641533	68.242889	75.422096	99.89006
Lamtor2	61.704063	98.208954	99.27243	123.064026
Lamtor3	44.166645	54.269249	68.515915	61.364449
Lamtor4	48.095623	34.466518	41.851616	51.615528
Lamtor5	36.1912	69.391907	96.284966	74.436417
Lancl1	9.77692	8.494796	7.068551	6.825288
Lancl2	1.094519	2.872212	3.476147	2.150951
Lancl3	1.617536	1.236352	1.39753	0.711722
Lao1	0	0	0	0
Lap3	33.107674	48.692879	45.521282	39.497448
Laptm4a	244.203171	202.716858	246.646713	258.967712
Laptm4b	27.228762	29.16144	30.375397	22.868517
Laptm5	67.140366	103.628136	103.22287	168.036652
Large	13.422083	14.376918	11.722301	10.303309
Larp1	49.124863	41.192322	26.054798	31.320698
Larp1b	7.697899	6.793231	6.119576	5.425092
Larp4	6.721304	11.155058	7.669086	8.436659
Larp4b	8.545128	11.260196	9.181163	9.037819
Larp6	0.665303	0.541206	0	1.054571
Larp7	20.197718	30.386847	20.555424	23.13596
Lars	29.323154	52.634773	39.358269	30.806265
Lars2	163.033157	76.359077	76.08744	102.999771
Las1l	55.828247	40.538433	29.24132	29.455704
Lasp1	59.179016	74.176231	51.478859	59.561489
Lat	0.811635	0.383681	0.178505	2.460961
Lat2	4.929574	30.851321	23.082455	25.524948
Lats1	7.235528	8.671513	6.448551	7.1631
Lats2	7.811865	7.977432	6.545312	5.858476
Lax1	0	0	0	0.220325
Layn	15.720826	12.198085	17.356501	11.362971
Lbh	22.394463	47.346016	24.4771	40.838936
Lbhd1	0.11093	1.220806	2.354115	1.013859
Lbp	9.339867	4.153375	1.472249	13.697301

Lbr	7.864123	15.487311	20.648478	10.659576
Lbx1	0	0	0	0
Lbx2	0	0.363527	0.160405	0.773911
Lca5	1.05629	2.141311	2.254436	1.316393
Lca5l	0	0.200767	0.045566	0.164547
Lcat	1.397122	2.018224	0.610897	5.909451
Lce1a1	0	0	0	0
Lce1a2	0	0	0	0
Lce1b	0	0	0	0
Lce1c	0	0	0	0
Lce1d	0	0	0	0
Lce1e	0	0	0	0
Lce1f	0	0	0	0
Lce1g	0	0	0	0
Lce1h	0	0	0	0
Lce1i	0.405834	0	0	0
Lce1j	0	0	0	0
Lce1k	0	0	0	0
Lce1l	0	0	0	0
Lce1m	0	0	0	0
Lce3a	0	0	0	0
Lce3b	0	0	0	0
Lce3c	0	0	0	0
Lce3d	0	0	0	0
Lce3e	0	0	0	0
Lce3f	0	0	0	0
Lce6a	0	0	0	0
Lck	0.477509	0.116218	0.068045	0.629538
Lclat1	3.964925	11.735402	8.931787	7.640354
Lcmt1	13.24437	16.916979	18.492001	15.335473
Lcmt2	0.895766	1.182079	1.277368	1.726364
Lcn10	0	0	0	0
Lcn11	0	0	0	0
Lcn12	0	0	0	0
Lcn2	158.414597	2.13686	3.780787	96.544243
Lcn3	0	0	0	0
Lcn4	0	0	0	0
Lcn5	0	0	0	0
Lcn6	0	0	0	0
Lcn8	0	0	0	0
Lcn9	0	0	0	0
Lcor	0.869722	0.878361	0.59193	0.591014
Lcorl	0.914435	1.608785	1.80805	0.905693
Lcp1	24.199633	65.983818	57.661958	75.198734
Lcp2	3.158838	7.078228	8.6009	9.797786
Lct	0	0	0	0
Lctl	0	0	0.024589	0
Ldah	10.595461	19.306663	17.228508	13.183051
Ldb1	126.526302	100.862133	94.701596	77.279675

Ldb2	0.353029	1.079466	0.587628	0.763174
Ldb3	0.229024	6.342376	0.087932	0.20653
Ldha	1291.914205	752.20379	874.997412	804.690966
Ldhal6b	0.10288	0.429476	0.304879	0.598241
Ldhb	2.051077	2.518342	3.397858	5.25919
Ldhc	0	0	0	0
Ldhd	0.513168	0.455427	1.052787	1.17923
Ldlr	4.018961	21.549884	22.979604	8.910304
Ldlrad1	0	0	0	0
Ldlrad2	0	0	0	0
Ldlrad3	5.106658	5.492153	4.903445	3.636986
Ldlrad4	5.383045	9.289661	7.008153	6.325236
Ldlrap1	12.914884	9.557894	7.801507	10.691039
Ldoc1	0	0	0	0
Ldoc1l	0.078074	0.229303	0.111256	0.377863
Leap2	0	0	0	1.720639
Lect1	0	0	0	0
Lect2	0	2.075158	3.558288	11.245975
Lef1	1.357408	1.193313	0.464815	2.475751
Lefty1	0.908287	0.474018	0.272815	1.106345
Lefty2	0	0	0	0
Lekr1	0.581854	1.438526	1.826259	1.583642
Lelp1	0	0	0	0
Lemd1	0	0.086325	0	0.059047
Lemd2	41.664959	29.527357	26.49296	31.817099
Lemd3	5.121956	3.82499	3.246326	2.906857
Lenep	7.795139	6.373638	5.564031	6.005919
Leng1	8.577893	7.312295	6.360252	8.210231
Leng8	32.691753	46.992802	37.938049	34.238113
Leng9	1.572441	1.417861	0.919181	1.804724
Leo1	12.306859	15.999413	11.680256	13.166547
Lep	0	0	0	0
Lepr	2.11893	1.354576	3.105357	3.751939
Leprot	36.943497	51.855576	49.952999	60.327347
Leprotl1	27.080929	27.970083	23.314907	24.557373
Letm1	12.14495	15.929663	12.939279	14.644707
Letm2	1.819137	2.051439	1.822104	1.488265
Letmd1	11.246116	12.091306	13.745195	10.177874
Lfng	6.987342	25.82337	23.239668	26.257738
Lgals1	2007.142944	3045.836426	4055.149658	2884.516846
Lgals12	0	0	0	0
Lgals2	0	0.280547	0	0.594813
Lgals3	549.384522	268.497093	354.12233	372.292152
Lgals3bp	16.834402	18.272051	17.59623	37.115234
Lgals4	21.953018	3.323391	3.666745	5.978512
Lgals6	0.461436	0.070282	0.001746	0.022108
Lgals7	0	0	0.494893	3.759366
Lgals8	10.351924	18.085728	10.330784	7.658243
Lgals9	15.487218	26.374315	26.053374	45.376178

Lgalsl	12.027876	15.688505	13.701735	8.557197
Lgi1	0	0	0.040158	0
Lgi2	0.666894	0.789714	0.510391	2.495109
Lgi3	0	0.120044	0.03096	0.676108
Lgi4	0.601902	1.532344	0.654461	3.321376
Lgmn	170.098267	298.980774	294.634583	286.049469
Lgr4	3.996943	3.606673	3.229927	2.515975
Lgr5	0.056662	0.125848	0.552772	0.399358
Lgr6	5.813919	4.470543	1.485999	8.371396
Lgsn	0	0	0	0
Lhb	0	0	0	0
Lhcgr	0	0	0	0
Lhfp	28.199785	41.381603	40.769424	37.770107
Lhfpl1	0	0	0	0.163595
Lhfpl2	10.403338	19.5814	15.308377	19.340563
Lhfpl3	0	0	0	0
Lhfpl4	0	0.15066	0.103065	0.152996
Lhfpl5	0	0	0	0
Lhpp	0.801748	2.59871	2.811309	3.439016
Lhx1	0	0	0	0.06332
Lhx1os	0	0	0	0
Lhx2	0.21477	0	0	0.53356
Lhx3	0	0	0	0
Lhx4	0.184545	0	0	0
Lhx5	0	0	0	0
Lhx6	1.082545	2.698908	1.535673	1.903216
Lhx8	0	0	0	0
Lhx9	1.417149	1.448191	1.443399	1.832674
Lias	21.020319	16.884701	21.69986	17.335976
Lif	5.83458	7.644915	6.555561	4.505137
Lifr	1.332781	0.511037	0.65709	3.425344
Lig1	11.556222	20.7626	20.158672	12.592839
Lig3	5.746362	10.756734	7.782723	4.699905
Lig4	0.686303	2.014459	0.971724	1.725323
Lilr4b	38.415577	69.981109	72.339385	89.822697
Lilra5	1.258474	0.820777	0.77112	5.043814
Lilra6	0.976552	3.411767	4.377477	4.473642
Lilrb4a	37.258329	93.43518	100.12022	129.677017
Lim2	0	0	0	0
Lima1	9.81259	26.806523	6.72479	6.250252
Limch1	0.206328	0.673758	0.183862	0.392121
Limd1	12.380955	14.307536	9.905186	11.479012
Limd2	17.308462	25.03022	16.360859	19.672684
Lime1	9.241007	15.415009	10.303832	14.007827
Limk1	10.33993	10.307117	4.213518	8.584003
Limk2	7.378824	13.794651	11.098957	12.593981
Lims1	9.649506	15.906212	13.407159	13.596839
Lims2	5.875261	0.627384	0.377676	2.464319
Lin28a	0	0	0	0

Lin28b	0.548965	0.744553	0.855481	0.584122
Lin37	13.571559	11.408298	10.500633	12.278672
Lin52	3.123735	4.3132	4.824964	3.958533
Lin54	2.51075	3.482143	3.646336	3.723053
Lin7a	0	0	0	0.034808
Lin7b	0	0	0	0
Lin7c	18.267155	15.257411	15.652932	15.754212
Lin9	2.565317	4.003254	5.956599	5.654028
Linc-md1	0	0	0	0
Lincenc1	0	0.024805	0.086364	0.084834
Lincpint	0.331006	0	0	0
Lincppara	6.149265	0.820049	0.692274	1.336282
Lincred1	0	0	0	0
Lingo1	3.620237	2.133416	2.235285	3.117486
Lingo2	0	0.04181	0	0
Lingo3	0.616149	0.817486	0.853009	0.387968
Lingo4	0	0.014417	0	0
Lins	1.574997	3.319515	2.015378	2.404924
Lipa	15.34495	24.8592	30.363041	28.376409
Lipc	0	0.088393	0.076941	2.194965
Lipe	2.611509	1.94594	2.416232	2.827472
Lipf	0	0	0	0
Lipg	0	0.224226	0.582701	0.179837
Liph	0	0	0.038101	0.074584
Lipi	0	0	0	0
Lipk	0	0.340441	0	0
Lipm	0	0	0	0
Lipn	0	0	0	0
Lipo1	0	0.303234	0.234054	0.818186
Lipt1	2.183571	5.421065	4.719388	3.757076
Lipt2	3.715421	4.787194	4.237442	5.093076
Litaf	48.500034	56.530277	41.783421	70.35392
Lix1	0	0.095714	0	0.08169
Lix1l	47.93819	46.387486	39.409939	34.927162
Lkaaear1	0	0	0	0
Llgl1	19.995102	30.372126	17.957756	14.624745
Llgl2	0.859319	0.377991	0.408075	1.579243
Llph	39.9067	36.15963	37.814777	44.936394
Lman1	40.150661	54.166791	42.670529	39.364766
Lman1l	0.341963	0.940633	0.300119	0
Lman2	38.109135	48.545578	46.511517	46.087959
Lman2l	5.674979	10.801137	9.824019	8.796844
Lmbr1	1.400217	1.889166	2.657115	1.845492
Lmbr1l	34.287437	18.607851	17.139574	15.868209
Lmbrd1	4.472498	5.984833	6.478392	6.105887
Lmbrd2	3.344021	4.929491	4.692819	2.657194
Lmcd1	1.532891	0.464229	0.390142	7.464567
Lmf1	8.272698	11.42348	11.280019	9.385043
Lmf2	19.022724	24.841734	21.538523	20.000509

Lmln	0.453206	0.847227	0.768092	0.464422
Lmna	286.846222	379.972258	245.178691	246.705515
Lmnb1	9.664719	26.945704	20.939867	15.835364
Lmnb2	2.767614	11.212316	8.388784	9.109466
Lmntd2	0.479709	0.18323	0.240235	0.302894
Lmo1	14.622606	7.864332	7.773542	7.871754
Lmo2	4.096916	9.865999	9.897553	13.901303
Lmo3	0	0	0	0
Lmo4	58.26461	32.400165	26.774911	33.966584
Lmo7	5.780437	6.293978	7.798447	6.691611
Lmod1	0.871912	0.085676	0	1.053869
Lmod2	0	6.059821	0	0
Lmod3	0	1.151368	0	0
Lmtk2	3.078784	5.346289	4.618074	3.556423
Lmtk3	0.108996	0.29594	0.21583	0.20839
Lmx1a	0	0	0	0
Lmx1b	0	0	0	0
Lncbate1	0	0	0	0
Lnp	3.097979	3.941501	3.078189	2.50547
Lnpep	8.837035	6.106138	7.409184	5.53075
Lnx1	0.385109	0.970129	0.396363	0.517419
Lnx2	4.31673	6.008833	3.827342	3.909247
LOC100038947	5.265737	15.254362	22.514606	21.948824
LOC100040786	0	0	0	0
LOC100041034	0	0	0.331628	0.928996
LOC100043315	0	0	0	0
LOC100048884	0	0	0	0
LOC100049077	0	1.055537	0.336906	0.321125
LOC100125594	0	0	0	0
LOC100502896	0	0	0	0
LOC100503496	0.439896	0.456346	0.46435	0.496472
LOC100504039	0	0	0	0
LOC100504703	8.71993	6.757658	14.520102	13.130608
LOC100505025	0	0	0	0
LOC100861615	0	0.067483	0	0
LOC100861978	0	1.082114	1.531172	2.078904
LOC100862015	0	0	0	0
LOC100862268	0	0	0	0
LOC101055749	0	0	0	0
LOC101055863	0	0	0	0
LOC102631757	0	0	0	0
LOC102634401	0	0	0	0
LOC102636514	0	0	0	1.675174
LOC105245869	0	0	0	0
LOC105246506	0.84518	0.194394	0.502481	0.416999
LOC106740	9.528855	9.687912	10.692595	10.659768
LOC432842	0	0	0	0
LOC664787	0	0.175743	0.212224	0
LOC666331	0	0	0	0

Loh12cr1	3.954955	3.882602	3.811092	3.936794
Lonp1	60.167953	46.832664	45.736126	43.913834
Lonp2	18.407124	14.200956	13.142717	13.878697
Lonrf1	7.760882	4.834265	3.854478	5.776172
Lonrf2	0	0	0	0
Lonrf3	0.970195	0.760418	0.853436	0.797748
Lor	0	0	0	0
Lox	77.558556	26.154745	10.234312	32.386031
Loxhd1	0	0	0	0
Loxl1	11.949415	26.454836	9.333227	26.299982
Loxl2	12.092083	9.067503	5.062099	33.156574
Loxl3	49.38792	55.689308	42.576092	44.045258
Loxl4	5.696164	10.506635	16.2733	1.680699
Lpar1	19.304161	25.289667	8.578988	20.266106
Lpar2	0.698736	0.616723	0.678669	0.858076
Lpar3	0	0	0	0
Lpar4	0.415583	0.398018	0.588841	0.494329
Lpar5	0	0.607622	1.004332	1.10642
Lpar6	3.244715	4.493649	9.091249	5.295708
Lpcat1	6.679677	19.287504	19.141207	11.707512
Lpcat2	0.468641	6.035196	5.507112	5.906046
Lpcat2b	0	0.030502	0.068134	0
Lpcat3	8.674282	12.82441	16.093306	15.315043
Lpcat4	21.780218	33.754185	28.973621	20.262875
Lpgat1	8.596162	12.653538	12.136141	8.66412
Lpin1	5.060885	3.417182	4.290214	5.241758
Lpin2	7.691439	6.200275	3.666763	7.977929
Lpin3	2.642509	3.712687	3.384495	1.848205
Lpl	3.238829	4.296743	6.352912	17.095785
Lpo	0	0	0	0
Lpp	6.528097	6.45363	5.105805	5.086353
Lppos	3.097882	2.822842	4.038917	7.114725
Lppr1	0	0	0	0
Lppr2	6.732018	5.313056	4.119182	8.12269
Lppr3	9.525237	10.19899	9.523455	13.111935
Lppr4	0.068058	0.057875	0	0.06108
Lppr5	0	0	0	0
Lpxn	5.95282	5.399847	5.845443	4.46233
Lrat	0	0	0	1.060384
Lrba	0.285703	0.505557	0.342858	0.326713
Lrch1	3.908748	4.344816	3.906697	3.813851
Lrch2	3.589697	4.414416	4.113549	2.925223
Lrch3	10.465606	9.143506	7.876917	7.200458
Lrch4	11.654689	12.314595	18.175887	17.572296
Lrcol1	0	0	0	0
Lrfn1	1.750771	1.465265	1.514426	1.048737
Lrfn2	0	0	0	0
Lrfn3	0.29445	0.561565	0.10281	1.151805
Lrfn4	0.440482	0.753321	0.385982	1.643883

Lrfn5	0	0	0	0
Lrg1	23.719105	6.411047	10.057026	69.117737
Lrguk	0	0	0.193231	0
Lrif1	2.865543	2.783798	5.450702	8.137315
Lrig1	19.748354	31.342993	27.387028	20.540579
Lrig2	3.65546	3.750583	3.467057	3.271819
Lrig3	5.607361	8.172593	5.784515	4.214853
Lrit1	0	0	0	0
Lrit2	0	0	0	0
Lrit3	0	0	0	0
Lrmp	1.421139	5.903566	8.558916	9.915804
Lrp1	110.950188	96.776672	67.973595	72.332726
Lrp10	29.660118	38.097656	32.911152	31.903526
Lrp11	1.77619	2.438897	1.740255	2.158384
Lrp12	9.387878	13.231302	9.167978	11.833561
Lrp1b	0	0	0	0
Lrp2	0	0	0	0
Lrp2bp	0	0	0.086197	0.067887
Lrp3	0.310179	0.307363	0.239017	0.516005
Lrp4	1.14969	3.134178	2.653113	1.65941
Lrp5	26.428896	24.318853	19.695837	20.940334
Lrp6	11.812192	10.910087	8.252326	9.528169
Lrp8	1.057651	6.14435	5.760674	1.64715
Lrpap1	15.890863	24.163942	28.221926	36.652542
Lrpprc	7.472073	15.867221	13.904473	9.932152
Lrr1	0	3.820572	4.706894	3.592163
Lrrc1	0.541268	1.356592	1.664258	1.537845
Lrrc10	0.021284	0	0.034483	0.162586
Lrrc10b	0	0	0.047417	0.026828
Lrrc14	4.403303	9.32417	6.711175	7.857927
Lrrc14b	0.198265	0.487926	0.412591	0.673244
Lrrc15	0.626616	6.979812	1.38498	2.120965
Lrrc16a	4.589303	3.939403	2.783895	2.914694
Lrrc16b	0	0	0	0.025247
Lrrc17	0	1.986734	0.354685	0.479627
Lrrc18	0	0	0	0
Lrrc19	0	0	0	0
Lrrc2	0	0.588315	0	0
Lrrc20	2.219745	5.432333	3.470708	2.843776
Lrrc23	0.19682	0	0	0
Lrrc24	2.317137	2.781364	1.862351	2.227441
Lrrc25	1.971268	7.867606	9.93398	13.054957
Lrrc26	0	0	0	0
Lrrc27	2.218233	3.040259	3.750369	2.750859
Lrrc28	0.98834	2.853842	1.197999	2.148423
Lrrc29	0.32392	0.816952	0.653897	0.811831
Lrrc3	0.094796	0.029636	0	0.48366
Lrrc30	0	0.288487	0	0
Lrrc31	0	0	0	0

Lrrc32	11.019832	3.848984	2.794844	13.37146
Lrrc34	0	0	0	0
Lrrc36	0	0	0	0
Lrrc38	0	0.164099	0	0
Lrrc39	2.443383	1.253011	1.767407	1.889694
Lrrc3b	0	0.280986	0	0
Lrrc4	0	0.105428	0.054381	0.07863
Lrrc40	10.174901	12.552684	18.148821	7.87649
Lrrc41	21.24431	18.334257	16.113045	18.180971
Lrrc42	23.106842	23.089554	23.308733	23.121914
Lrrc43	0	0	0	0
Lrrc45	20.099051	21.269188	18.524628	15.652293
Lrrc46	0.3833	0	0.099647	0
Lrrc47	18.638676	17.618393	10.135794	13.003361
Lrrc48	0.213366	0.286817	0.476175	0.581475
Lrrc49	1.554641	4.42309	3.140134	2.787841
Lrrc4b	0	0	0	0.042694
Lrrc4c	0	0	0.025344	0.132974
Lrrc51	3.185399	2.496025	3.173053	5.15614
Lrrc52	0	0	0	0
Lrrc55	0	0.088174	0	0.08006
Lrrc56	0.581043	0.374645	0.379793	1.20654
Lrrc57	4.354857	5.44178	4.995597	5.247316
Lrrc58	18.065281	18.219055	14.395691	15.339533
Lrrc59	49.796169	83.36499	66.860596	60.882202
Lrrc6	0	0	0	0
Lrrc61	0.643466	2.190646	2.687523	3.544636
Lrrc63	0	0	0	0
Lrrc66	0	0	0	0.037532
Lrrc69	0	0	0	0
Lrrc7	0	0	0	0
Lrrc71	1.041034	1.520349	1.109444	1.88424
Lrrc72	0	0	0	0
Lrrc73	1.351053	0.34174	0.834159	0.723888
Lrrc74a	0	0	0	0
Lrrc74b	0	0	0	0
Lrrc75a	3.631464	7.082304	4.396232	6.524803
Lrrc75b	0	0.128857	0.053512	0.050461
Lrrc8a	20.679569	21.348589	12.093841	18.448061
Lrrc8b	2.339358	6.675506	3.997499	4.411101
Lrrc8c	6.596246	14.732852	14.868279	9.70302
Lrrc8d	4.932765	7.890267	9.428558	6.457026
Lrrc8e	0.769423	0.245368	0.103275	0.523058
Lrrc9	0	0	0	0
Lrrcc1	1.616352	2.099232	2.397775	1.398355
Lrrd1	0	0.047962	0.063054	0.114081
Lrrfip1	65.265952	78.213934	60.113124	59.727994
Lrrfip2	21.898518	14.615472	11.454938	17.22114
Lrriq1	0	0	0	0

Lrriq3	0	0	0.130073	0.090533
Lrriq4	0	0	0	0
Lrrk1	13.887892	19.113914	15.62187	11.078742
Lrrk2	1.558117	4.218917	3.59555	3.157848
Lrrn1	0	0.65925	0	0
Lrrn2	0.504526	1.164235	0.58788	0.977219
Lrrn3	0	0	0.069946	0
Lrrn4	1.138534	0.097515	0	0
Lrrn4cl	3.628153	2.8391	1.251857	1.873205
Lrrtm1	0	0	0	0
Lrrtm2	0.099476	0.876413	0.45739	0.313932
Lrrtm3	0	0	0	0
Lrrtm4	0	0	0	0
Lrsam1	3.35893	6.058022	4.349189	4.334468
Lrtm1	0	0.017394	0	0
Lrtm2	0	0	0	0.048667
Lrwd1	11.219848	21.382517	17.695114	15.227646
Lsamp	0	0	0	0
Lsg1	23.1537	34.414646	24.89785	23.624117
Lsm1	9.901317	20.686081	25.017069	29.347948
Lsm10	14.597938	21.770364	25.772803	23.994265
Lsm11	2.844496	3.624782	3.041654	2.778547
Lsm12	35.467945	33.202854	31.99753	30.39592
Lsm14a	40.601551	38.254173	32.749043	33.393555
Lsm14b	28.999168	26.70459	17.370535	18.960968
Lsm2	29.449049	78.280041	62.591019	60.417895
Lsm3	85.380836	144.242279	198.262695	183.873123
Lsm4	88.230995	111.428925	157.440704	135.301285
Lsm5	36.120808	58.205482	110.999306	95.093193
Lsm6	5.652721	15.731225	15.421941	11.239285
Lsm7	67.164268	109.67292	168.184906	151.480637
Lsm8	55.279556	72.095032	70.647346	62.169804
Lsmem1	0	0	0	0.095064
Lsp1	39.322496	105.089327	65.577004	102.178612
Lsr	8.927464	7.676211	8.42745	18.962074
Lss	3.19148	4.934729	5.779756	2.646957
Lst1	1.611267	11.117164	6.811785	12.259789
Lta	0.96218	0	0	0.156125
Lta4h	33.629993	32.383629	28.165716	26.554209
Ltb	0	1.035341	0.449697	2.339402
Ltb4r1	1.082218	6.663843	7.027337	7.277096
Ltb4r2	0.10331	0	0	0
Ltbp1	29.707762	64.005172	52.697239	32.177483
Ltbp2	16.322159	18.693121	6.845043	22.269791
Ltbp3	166.146454	141.960587	109.785034	116.697701
Ltbp4	80.904427	92.077251	55.507557	47.860443
Ltbr	45.860191	55.572277	48.325089	58.143204
Ltc4s	30.278616	14.781776	33.843983	68.660904
Ltf	0.216868	0	0	0.084955

Ltk	0	0	0	0.056033
Ltn1	5.34663	7.611927	5.924616	6.305174
Ltv1	10.141294	20.252558	14.662996	13.481722
Luc7l	73.53256	43.847336	40.651135	32.947783
Luc7l2	70.381906	42.999933	35.711722	43.739646
Luc7l3	27.522213	34.818146	31.620939	34.944328
Lum	21.393074	15.265101	1.788368	68.577835
Lurap1	0.763048	0.594261	1.004727	1.350958
Lurap1l	7.375669	10.738644	17.778065	9.274631
Luzp1	9.684247	13.709238	7.954471	9.464604
Luzp2	0	0	0	0
Luzp4	0	0	0	0
Lvrn	0	0	0	0
Lxn	29.871065	37.161217	35.675369	44.820213
Ly6a	9.738124	27.981643	7.470305	11.386787
Ly6c1	2.339293	9.278647	5.30395	5.585078
Ly6c2	0	4.338227	2.946723	1.118838
Ly6d	0.616738	0	0.355359	40.531208
Ly6e	76.75769	172.300494	168.789169	155.63125
Ly6f	0	0	0	0
Ly6g5b	0	0.419726	0.569086	0.506012
Ly6g5c	0	0	0	0
Ly6g6c	0	0	0	0
Ly6g6d	0	0	0	0
Ly6g6e	0	0	0	0
Ly6g6f	0	0	0	0
Ly6h	0	0	0	0
Ly6i	0	0.676219	0.140211	0
Ly6k	1.453077	0	0.316813	3.090638
Ly75	2.560128	8.325044	8.089546	2.823563
Ly86	4.0147	21.964251	31.400181	38.049713
Ly9	2.115591	11.710196	14.480702	6.23095
Ly96	0	2.056473	2.66325	2.713854
Lyar	37.969593	52.129726	39.590298	37.368019
Lyg1	0	0	0	0
Lyg2	0	0	0	0
Lyl1	2.912168	10.12826	15.334502	13.312469
Lyn	6.586576	21.209516	23.224205	28.986806
Lynx1	2.404815	1.128429	0.409684	1.362961
Lypd1	0	0	0.270397	1.562086
Lypd2	0	0	0	0
Lypd3	0	0	0	0
Lypd4	0	0	0	0
Lypd5	0	0	0	0
Lypd6	0.054157	0.288887	0.549642	0.312525
Lypd6b	0.259951	0	0	0.303555
Lypd8	0	0	0	0
Lypla1	4.753575	18.407387	17.450499	13.780257
Lypla2	26.444447	33.344666	27.845789	33.05444

Lyplal1	6.838499	11.193817	18.355513	9.427774
Lyrm1	1.91826	2.645265	3.967097	3.971859
Lyrm2	6.964163	13.44621	21.301346	15.275722
Lyrm4	11.309038	8.532064	12.483912	9.8302
Lyrm5	7.200617	7.222937	10.689129	10.146857
Lyrm7	0.362185	0.856102	0.586384	0.531551
Lyrm7os	0	0	0	0
Lyrm9	1.712543	3.69934	6.005168	3.677799
Lysmd1	2.569277	2.05376	2.987461	2.856153
Lysmd2	5.856753	10.43843	7.578863	7.744913
Lysmd3	1.899812	3.633731	4.293038	3.219372
Lysmd4	2.108884	3.459408	2.718636	3.150034
Lyst	1.128846	1.310647	1.466966	1.70404
Lyve1	1.182259	2.996545	11.594174	1.663894
Lyz1	0	120.100487	249.789261	211.814041
Lyz2	185.713593	2909.738525	6175.592285	5965.928223
Lyzl1	0	0	0	0
Lyzl4	0	0	0.283312	0
Lyzl4os	0	0	0	0
Lyzl6	0	0	0	0
Lzic	8.126849	14.665039	10.800872	14.611544
Lztfl1	1.995397	4.213281	3.973315	3.734875
Lztr1	19.812742	33.760666	29.362999	28.239779
Lzts1	0	0	0	0
Lzts2	63.858453	44.777555	35.462083	34.838442
Lzts3	1.440855	2.269913	1.217533	2.80097
M1ap	1.555968	1.272818	2.285243	0.706358
M6pr	56.029831	96.274971	108.229774	89.335335
Maats1	0.106337	0.229356	0.231279	0.455168
Mab21l1	0.249733	0.379792	0.129988	0.212282
Mab21l2	0.024444	0	0	0.021474
Mab21l3	0	0	0	0.081567
Macc1	0.271485	2.758317	3.358836	1.157216
Macf1	5.829949	6.938622	6.908407	7.543727
Macrod1	14.130649	11.20165	9.323118	4.366072
Macrod2	0.697684	1.018111	0.789457	1.150273
Mad1l1	6.091513	12.028354	8.719408	7.43438
Mad2l1	6.152699	26.850264	41.039604	25.391228
Mad2l1bp	11.479532	13.249887	11.273486	15.228766
Mad2l2	10.187031	13.026885	12.950758	12.016348
Madcam1	0	0	0	0
Madd	0.776056	3.93785	3.036346	2.802375
Maea	73.961784	54.448315	49.015362	49.355
Mael	0	0	0	0
Maf	6.441054	10.915402	7.227159	8.215676
Maf1	47.486095	50.282656	44.289159	41.57776
Mafa	0.275301	0.345192	0.227971	0.085273
Mafb	12.341804	12.085054	9.92082	11.290329
Maff	63.849995	18.380635	16.668465	27.263691

Mafg	34.706299	33.650162	31.043615	34.885357
Mafk	17.10651	10.071673	8.024179	10.1696
Mag	0.090383	0.253372	0.324086	0.940045
Magea1	0	0	0	0
Magea10	0	0	0	0
Magea2	0	0	0	0
Magea3	0	0	0	0
Magea4	0	0	0	0
Magea5	0	0	0	0
Magea6	0	0	0	0
Magea8	0	0	0	0
Mageb1	0	0	0	0
Mageb16	0	0	0	0
Mageb16-ps1	0	0	0	0
Mageb18	0	0	0	0
Mageb2	0	0	0	0
Mageb3	0	0	0	0
Mageb4	0	0	0	0
Mageb5	0	0	0	0
Maged1	205.865692	134.513718	99.12384	104.669487
Maged2	17.999737	19.986584	13.212011	19.168589
Magee1	3.42839	3.324797	3.01912	3.232112
Magee2	0	0	0	0
Magef1	3.075511	5.281324	8.260368	6.857902
Mageh1	0.726889	0.271933	0.703522	1.554465
Magel2	0	0	0	0
Magi1	3.746113	6.187898	4.475	3.471539
Magi2	0.297207	0.280507	0.233733	0.348582
Magi3	2.351085	3.38963	3.078877	1.793337
Magix	0	0.105996	0.193312	0.178352
Magoh	79.565483	80.58696	102.641212	96.401115
Magohb	14.066228	26.35313	24.344061	24.442854
Magt1	7.250659	5.228229	20.266346	11.037465
Mak	0.44481	0.059558	0.041288	0.191367
Mak16	31.872974	55.85231	47.514721	43.349674
Mal	0.283745	0	0.069957	0.295895
Mal2	0.106668	0	0	0.563073
Malat1	153.629135	63.413597	68.139023	94.322639
Mall	0	0.582399	0.765706	0.118035
Malsu1	22.919914	31.255711	37.595238	30.117456
Malt1	2.144314	3.366443	2.856458	2.36832
Mamdc2	0.087687	0.050843	0	0
Mamdc4	0.108627	1.253012	1.030805	0.729598
Maml1	12.546109	11.831872	9.67441	9.711103
Maml2	1.120727	1.205113	1.157365	1.711196
Maml3	6.478265	6.552463	5.867277	3.927907
Mamld1	0.529419	0.260848	0.282033	0.518629
Mamstr	2.157547	1.697903	1.456838	0.870375
Man1a	3.729193	9.326048	6.199656	5.610262

Man1a2	6.271206	12.972004	12.716026	8.216883
Man1b1	20.129608	36.160412	29.525438	28.730766
Man1c1	2.534847	6.348154	5.339352	7.100448
Man2a1	7.309319	12.694994	13.007359	9.775877
Man2a2	21.853188	27.547215	23.735737	21.385958
Man2b1	19.339231	47.714119	51.749187	54.293026
Man2b2	13.643706	20.893654	21.118631	21.353428
Man2c1	14.635304	13.669431	12.9615	11.492724
Man2c1os	1.216066	1.112037	0.949631	1.683742
Manba	2.003783	6.13189	8.452687	9.605636
Manbal	29.440647	30.879129	27.525303	32.093597
Manea	1.886514	5.194077	4.922266	2.369559
Maneal	0	0	0	0
Manf	79.963142	71.240654	72.799324	84.526787
Mannr	0	0.118268	0.46531	0.808966
Mansc1	0.289483	0.499289	0.449587	0.767397
Mansc4	0	0.188908	0	0.206744
Maoa	9.56023	14.046069	13.149773	8.360645
Maob	0	0	0	0.336901
Map10	0.125142	0.202657	0.166545	0.323699
Map1a	1.826529	2.748154	1.350488	2.867419
Map1b	12.412574	13.441135	9.062511	8.254477
Map1lc3a	73.537132	39.573429	26.619167	47.922482
Map1lc3b	118.989212	89.784721	94.07148	116.649475
Map1s	17.735977	26.655506	21.007038	18.561335
Map2	6.683307	6.553561	5.818036	5.852014
Map2k1	44.229095	36.5075	32.401268	38.250561
Map2k2	22.147425	31.542149	23.835556	31.262342
Map2k3	26.66378	63.195427	41.870251	47.34201
Map2k3os	1.93419	7.748589	8.284442	11.936674
Map2k4	8.75788	12.051898	9.324121	8.610026
Map2k5	8.585588	13.267303	9.806143	12.834956
Map2k6	3.358289	7.4366	7.237402	6.360765
Map2k7	30.991667	13.838184	11.590605	25.084252
Map3k1	5.373435	4.213584	5.74616	4.268016
Map3k10	3.970998	7.489551	6.33545	8.335626
Map3k11	9.623302	13.022735	9.552629	13.855101
Map3k12	1.574659	2.761653	2.059581	2.434363
Map3k13	0.05909	0.037945	0.06582	0.179478
Map3k14	5.563535	11.515394	7.991813	7.648954
Map3k15	0.288341	0.155947	0.607313	0.413111
Map3k19	0	0	0.062219	0.058987
Map3k2	5.192894	4.807493	4.164952	4.121905
Map3k3	18.970118	21.83357	15.071845	16.684427
Map3k4	4.690221	7.684228	6.612733	5.485291
Map3k5	2.309772	3.204229	2.596347	4.343397
Map3k6	9.56237	3.363683	2.431314	4.118186
Map3k7	3.182068	11.246206	9.01939	9.842445
Map3k7cl	0	0.661259	0.109691	0.168649

Map3k8	6.08592	2.118451	3.371933	4.926218
Map3k9	0.041999	0.051942	0.124955	0.098169
Map4	62.524967	54.063751	34.748893	50.460344
Map4k1	0.299994	3.053637	3.928397	5.93585
Map4k2	3.483624	3.946616	3.283226	4.726211
Map4k3	6.012118	5.975869	4.173188	6.260211
Map4k4	103.658935	68.901671	52.86704	55.906076
Map4k5	15.670979	16.975208	16.842159	14.831063
Map6	14.65683	23.018598	13.29455	10.7714
Map6d1	0.302713	0.193008	0.102474	0.1241
Map7	0.710425	0.043573	0.012474	0.705645
Map7d1	59.173552	73.127315	52.636873	70.854843
Map7d2	0	0	0	0
Map9	0.174903	1.048828	1.258316	0.457519
Mapk1	35.384134	46.956625	40.728154	31.962257
Mapk10	0	0	0.027527	0
Mapk11	2.888455	7.62954	5.878368	3.903147
Mapk12	6.726432	11.562637	10.380558	5.642818
Mapk13	0.987275	0	0.60216	0.952334
Mapk14	17.530821	28.745802	22.369262	23.013158
Mapk15	0.46569	0.164719	0.076541	0.066722
Mapk1ip1	15.407318	6.553637	8.922235	9.736347
Mapk1ip1l	17.975555	25.883432	21.508095	18.572712
Mapk3	195.865265	123.88591	101.414444	114.052071
Mapk4	0.225109	0	0	0.035559
Mapk6	27.864229	44.298323	30.343438	24.335513
Mapk7	19.576233	16.010258	11.876342	15.739534
Mapk8	4.33264	3.468718	3.93809	3.283507
Mapk8ip1	0.436453	1.343952	0.724574	1.688008
Mapk8ip2	0	0	0	0
Mapk8ip3	43.155269	29.955792	27.160334	25.454594
Mapk9	6.053437	6.803024	5.356978	9.126157
Mapkap1	7.195214	15.000079	11.238504	11.068784
Mapkapk2	76.867973	66.991798	52.704933	68.171387
Mapkapk3	2.26349	9.23811	8.410513	8.971154
Mapkapk5	22.184772	19.066063	16.523663	19.414017
Mapkbp1	3.324567	3.988943	2.998661	3.979373
Mapre1	18.730087	20.649	15.083529	18.168489
Mapre2	8.453308	9.40765	7.940872	8.733395
Mapre3	16.122875	9.180592	8.219027	8.893884
Mapt	0.091385	0.457937	0	0.182689
Marc1	0.229495	0.158464	0	2.096641
Marc2	44.365597	43.328014	69.807449	64.962486
March1	1.84139	2.788965	4.193142	4.01939
March10	0.112628	0	0	0.143629
March11	0	0.19162	0	0.15008
March2	14.974741	19.739986	18.294456	23.276114
March3	0.686884	0.541299	0.586185	1.253523
March4	0	0.068734	0.140658	0.124764

March5	30.001604	22.48616	22.454379	25.132584
March6	19.039644	19.060989	16.420258	14.55532
March7	13.363407	14.697961	13.42483	10.461033
March8	7.513484	15.218743	12.739413	12.142011
March9	3.734806	2.780454	2.903995	2.334902
Marcks	17.040354	27.570753	14.724866	23.53393
Marcksl1	106.127579	109.778702	79.822327	89.652084
Marcksl1-ps4	0.299638	0.255468	0.042176	0.023744
Marco	8.780785	0	4.767898	8.766441
Marf1	9.115416	11.149262	11.386729	10.51748
Mark1	1.975735	0.209929	0.320153	1.588693
Mark2	24.857857	21.042089	17.387148	17.641889
Mark3	28.44372	33.834575	27.171184	30.095977
Mark4	19.750601	15.253588	9.28801	10.618921
Mars	27.870449	46.011148	34.565846	33.488406
Mars2	5.277985	8.031273	8.839379	6.315618
Marveld1	13.713907	23.638424	18.517292	25.969398
Marveld2	0.092385	0	0	0.50678
Marveld3	0	0	0	0.169223
Mas1	0	0.068572	0.267462	0.234518
Masp1	3.439747	3.985681	3.001926	3.324756
Masp2	0	1.968336	0.521105	3.618913
Mast1	0.260023	0.442495	0.470757	0.861991
Mast2	18.435157	21.534695	13.71355	15.537122
Mast3	11.626187	14.106453	12.089329	11.218516
Mast4	7.808814	13.653193	8.817964	7.966331
Mastl	0.931949	4.182443	4.95906	2.815658
Mat1a	0.553255	0.487335	0	4.082569
Mat2a	25.88187	59.843319	42.337116	70.913193
Mat2b	32.463203	22.349646	31.545617	25.07466
Matk	0	0.929111	1.793927	0.966789
Matn1	0	0	0	0
Matn2	10.27087	15.530778	11.624315	12.873584
Matn3	0	0	0	0
Matn4	0	0.067219	0	0
Matr3	35.348942	28.109655	28.385323	22.75959
Mau2	19.318981	22.229131	19.146284	16.709957
Mavs	10.213412	13.200964	12.274935	14.520769
Max	20.212556	24.105027	38.974269	21.463573
Maz	44.875061	64.33503	50.399998	57.409275
Mb	0	35.253696	0	0
Mb21d1	0.619327	1.513233	2.445702	2.732288
Mb21d2	4.480684	5.251439	4.382948	3.702209
Mbd1	8.505583	9.989406	8.841044	13.339246
Mbd2	45.79306	48.891144	39.364353	49.301884
Mbd3	28.728371	58.086391	39.963014	46.337596
Mbd3l1	0	0	0	0
Mbd3l2	0	0	0	0
Mbd4	1.741033	3.207003	3.469664	2.86081

Mbd5	1.809957	2.503314	1.57453	1.674083
Mbd6	30.810467	21.311167	17.456871	18.625792
Mbip	13.034931	16.50222	18.876467	12.690495
Mbl1	0	0.550394	0	5.606455
Mbl2	0	0	0	2.940717
Mblac1	0.734473	1.817389	3.074979	1.805792
Mblac2	0.595008	1.194551	1.061048	1.008485
Mbnl1	13.941043	18.695819	12.011239	23.517703
Mbnl2	6.762384	17.597588	14.660839	13.437353
Mbnl3	0	0.091535	0.062241	0.059532
Mboat1	1.769112	4.568547	4.830502	3.545591
Mboat2	9.479833	4.971645	8.159131	5.957857
Mboat4	0	0	0	0.087954
Mboat7	12.903587	16.273415	16.266674	15.705956
Mbp	2.266085	2.620667	2.216331	2.218287
Mbtd1	9.170721	7.970364	8.389655	9.524107
Mbtps1	47.773476	80.652579	65.293108	53.031171
Mbtps2	4.226476	4.81297	5.29356	3.293619
Mc1r	0	0	0.003346	0.031692
Mc2r	0	0	0	0
Mc3r	0	0	0	0
Mc4r	0	0.014839	0	0
Mc5r	0	0	0	0
Mcam	7.539021	25.93508	21.515882	16.688055
Mcat	7.875965	11.460488	13.192194	11.510544
Mcc	1.834616	2.334893	2.444221	1.546141
Mccc1	4.040185	7.431919	7.270793	4.408281
Mccc1os	0	0	0	0.07141
Mccc2	6.464974	11.404375	10.731811	8.626701
Mcee	13.201159	24.00967	32.526016	35.80505
Mcemp1	32.983006	28.386822	49.465698	64.238022
Mcf2	0	0	0	0
Mcf2l	0.810149	1.720522	1.568693	1.320201
Mcfd2	73.279477	72.496748	74.425312	116.686116
Mchr1	0.135827	0.077531	0	0.074598
Mcidas	0	0	0	0
Mcl1	121.612801	135.401321	140.764862	153.789413
Mcm10	1.000934	9.079641	7.205656	5.921248
Mcm2	13.891632	31.85203	31.143534	21.48756
Mcm3	13.094026	46.601521	35.839836	26.492365
Mcm3ap	9.654435	10.328486	8.426642	6.255183
Mcm4	10.183131	27.635036	20.55402	17.206095
Mcm5	4.382076	24.538552	21.392072	12.61423
Mcm6	20.198837	69.824081	57.662327	28.298964
Mcm7	33.071972	54.298138	45.401535	34.861519
Mcm8	0.97129	4.058675	3.254835	2.262545
Mcm9	1.239899	2.135834	1.742284	0.896077
Mcmbp	15.374165	19.157566	16.703251	15.071043
Mcmdc2	0	0	0	0.04547

Mcoln1	21.459618	23.017811	21.454546	20.021564
Mcoln2	0	0.168502	0.155405	0.320414
Mcoln3	0	0	0	0
Mcph1	4.431374	6.816167	6.130548	3.607507
Mcpt-ps1	0	0	0	0
Mcpt1	0	0	0	1.168395
Mcpt2	0	1.278253	0	3.68863
Mcpt4	0	0.589717	0	0.867718
Mcpt8	0	0	0.058761	0.138528
Mcpt9	0	0	0	0
Mcrs1	27.186549	29.771379	31.034019	26.394533
Mctp1	0.544965	0.309727	1.098345	0.954893
Mctp2	0.153739	0.102414	0.085061	0.240101
Mcts1	11.142525	17.433916	20.645588	17.36882
Mcts2	12.995038	14.629519	11.973299	13.352483
Mcu	10.533138	10.552246	8.556281	8.801888
Mcur1	4.004244	4.546967	3.678571	5.237934
Mdc1	6.372583	11.774996	9.619167	7.504063
Mdfi	1.683664	2.291314	1.599448	3.798307
Mdfic	9.420054	16.288549	9.318243	14.903811
Mdga1	0.585623	0.727183	0.34559	1.539351
Mdga2	0.090703	0	0	0
Mdh1	26.056355	51.412971	64.625992	46.066265
Mdh1b	0	0	0	0
Mdh2	182.773239	213.322708	200.837234	176.414871
Mdk	7.504986	2.021011	1.241034	11.220216
Mdm1	2.461867	4.339294	5.053003	2.511428
Mdm2	21.700451	21.848084	16.41537	24.667875
Mdm4	7.710404	11.100089	10.850666	7.638173
Mdn1	1.973823	4.563867	4.092985	4.202055
Mdp1	17.730176	14.839214	17.897234	22.806323
Me1	9.240714	7.866478	7.418679	9.342373
Me2	9.945554	16.283216	17.555096	14.259504
Me3	0.160561	0.39414	0.100963	0.052952
Mea1	72.156256	78.489884	90.96117	109.560244
Meaf6	15.008378	26.045029	19.727665	20.084704
Mecom	3.294416	5.320443	3.654885	2.542391
Mecp2	6.928405	1.741745	5.690302	5.629321
Mecr	15.138302	20.595165	19.406998	15.023246
Med1	12.314899	17.660063	13.737553	14.73086
Med10	106.459465	79.050171	95.450302	91.099274
Med11	14.198472	36.811405	46.901775	44.932968
Med12	10.848613	10.700545	8.891044	5.743038
Med12l	0.140077	0.10348	0.090168	0.12381
Med13	4.695533	4.608627	3.720604	3.690776
Med13l	19.623066	14.255961	10.04671	8.668338
Med14	3.109565	11.02357	7.482063	6.028764
Med15	40.763447	30.615618	23.168651	22.434077
Med16	6.708241	6.087613	6.616077	6.552708

Med17	6.311918	10.465093	8.827896	8.419357
Med18	4.820897	6.643891	8.011413	8.966889
Med19	10.086897	14.147378	11.809422	13.103005
Med20	8.151176	13.930794	14.260174	13.922997
Med21	26.993896	42.583294	74.919113	76.084366
Med22	10.088693	15.586776	14.979039	17.676615
Med23	7.249048	7.811262	7.736912	6.311099
Med24	13.694391	19.240532	19.034391	12.893219
Med25	20.51845	24.224218	17.539278	17.4193
Med26	9.911488	8.556314	6.123983	6.89644
Med27	9.657036	9.521172	8.16648	10.809137
Med28	10.616687	13.539325	15.915054	18.648237
Med29	5.981953	7.392923	5.751256	9.39396
Med30	16.054571	19.875456	30.921528	29.697386
Med31	17.313305	18.635248	28.477407	36.782429
Med4	27.343218	25.972897	24.513918	25.555382
Med6	24.532938	35.037865	47.068115	39.612831
Med7	2.940734	10.997742	10.642406	8.76517
Med8	15.377989	24.37609	22.98674	24.657937
Med9	3.806445	5.647223	5.508504	5.81268
Med9os	0	0	0	0
Medag	19.333252	20.702488	19.532248	31.582611
Mef2a	16.529025	17.80233	11.919416	9.982507
Mef2b	0	0	0	0
Mef2c	2.756	4.167819	1.399845	1.924832
Mef2d	51.353233	50.392113	34.31348	32.572239
Mefv	0	0.354712	0.166559	0.14292
Meg3	6.970192	29.790164	6.648694	21.151912
Megf10	9.716601	20.143318	13.318578	10.881581
Megf11	0	0.035064	0.040912	0.028935
Megf6	0.246762	0.061624	0.014323	0.093531
Megf8	6.816562	11.209347	8.789372	7.462255
Megf9	0.113285	1.247427	0.687633	0.934937
Mei1	0	0	0	0
Mei4	0	0	0	0
Meig1	0	0	0	0
Meikin	0	0	0	0
Meiob	0	0	0	0
Meis1	3.74498	4.376913	3.744967	3.013047
Meis2	2.187197	2.345548	2.0778	1.315602
Meis3	6.228653	2.653431	1.870141	7.339783
Melk	1.509866	8.697815	9.589932	5.176757
Memo1	28.294376	46.84774	63.255756	50.048389
Men1	14.119716	26.541059	18.824534	17.197491
Meox1	1.614401	7.098372	2.334229	5.543907
Meox2	0	0.523794	0.104579	0
Mep1a	0	0	0	0
Mep1b	0	0	0	0
Mepce	12.068722	14.24443	11.677228	16.260683

Mepe	0	0	0	0.069017
Mertk	9.960568	9.66524	14.937011	10.814393
Mesdc1	3.363381	6.666261	4.384105	7.616092
Mesdc2	9.77625	18.236832	20.454504	20.339451
Mesp1	0	0	0	0
Mesp2	0	0	0	0
Mest	0.66384	8.034101	4.724132	3.975516
Met	9.421103	23.678408	27.864862	9.991189
Metap1	27.664801	26.898325	23.59576	21.989813
Metap1d	18.234154	25.120733	24.317139	18.434322
Metap2	31.411331	24.313152	18.386375	21.43449
Methig1	0	0	0	0
Metrn	13.526629	22.52722	29.820145	30.509577
Metrnl	17.910448	15.96238	14.813515	23.092834
Mettl1	15.63089	18.874681	19.210419	17.631556
Mettl10	5.381483	9.660271	12.345956	12.813721
Mettl11b	0	0	0	0
Mettl13	6.274968	11.41249	8.451944	7.760746
Mettl14	7.934191	15.290535	12.293762	9.570403
Mettl15	1.328433	2.714906	2.091541	2.205093
Mettl16	7.395812	16.947067	11.62479	11.95234
Mettl17	13.539673	16.39291	14.722181	12.087888
Mettl18	1.615099	1.393729	3.551625	3.062203
Mettl2	16.519464	21.885925	20.061502	19.392492
Mettl20	12.219383	11.980825	15.375038	10.152391
Mettl21a	6.119984	6.63307	10.730998	8.086294
Mettl21b	0	0	0.61859	0.929355
Mettl21c	0	0	0	0
Mettl21e	0	0	0	0
Mettl22	9.180166	12.422519	11.656524	8.052385
Mettl23	5.597699	9.918298	16.229738	15.833515
Mettl24	0	0	0	0.944485
Mettl25	2.703951	3.591293	3.056422	1.294163
Mettl3	6.094264	10.726872	10.497398	8.951123
Mettl4	1.335581	3.510369	2.991144	1.500751
Mettl5	8.157522	12.427725	15.430743	11.495624
Mettl6	8.274811	14.889508	16.361727	15.934643
Mettl7a1	1.204248	3.020415	3.994611	5.172147
Mettl7a2	0	0	0	0.358606
Mettl7a3	0	0	0	0.120065
Mettl7b	0.403865	0.068236	0	9.988938
Mettl8	3.252294	10.612499	10.864608	6.246793
Mettl9	28.250324	28.447863	31.133364	27.889658
Mex3a	23.889984	29.879354	18.995384	19.8517
Mex3b	4.306108	3.853785	2.315634	3.029036
Mex3c	8.631172	15.013839	10.636878	12.649555
Mex3d	26.02137	19.56674	14.411823	15.325359
Mfap1a	10.822315	11.89118	10.684533	12.843642
Mfap1b	14.941561	16.796892	13.132602	15.947575

Mfap2	2.084296	6.265845	1.729543	7.81005
Mfap3	6.21587	7.175609	10.030996	9.098206
Mfap3l	0	0.592694	0.412676	0.309225
Mfap4	9.768473	24.547953	3.217696	20.484852
Mfap5	10.482055	45.971973	16.037699	33.707932
Mff	38.298512	53.996754	73.497498	50.767727
Mfge8	190.474666	143.63755	165.846329	134.061844
Mfhas1	11.134843	13.734276	8.578027	8.803962
Mfi2	0.095622	0	0	0.126425
Mfn1	12.000036	12.138393	11.409191	9.609491
Mfn2	12.74363	14.539398	9.463759	11.390374
Mfng	3.128659	3.950769	5.803411	6.75361
Mfrp	0.007677	0.017138	0	0.008261
Mfsd1	28.589115	51.624657	53.370327	42.559902
Mfsd10	58.942814	38.878147	37.577953	34.293533
Mfsd11	8.410316	10.583708	12.796742	13.517393
Mfsd12	2.878141	7.927159	8.805231	8.836019
Mfsd2a	0.475106	3.916081	3.538388	2.178829
Mfsd2b	0.366222	0.527158	0.323851	0.369248
Mfsd3	1.808607	2.636937	3.641514	2.997994
Mfsd4	2.784475	4.858361	3.569852	2.382399
Mfsd5	31.042953	30.881615	24.898306	36.341824
Mfsd6	0.359908	1.173191	1.068816	0.612767
Mfsd6l	0.191802	0.102983	0.095615	0.618753
Mfsd7a	1.966361	2.239411	3.018754	4.461713
Mfsd7b	2.30759	4.493222	4.650522	2.927871
Mfsd7c	0.351053	0.534201	0.39249	1.131098
Mfsd8	2.710503	3.521225	3.396087	2.426493
Mfsd9	1.737121	1.599875	2.464174	1.663958
Mga	2.850293	2.791139	2.290245	2.998786
Mgam	0.191557	0.061734	0.022567	0.331727
Mgarp	10.921005	2.15321	4.348258	5.452721
Mgat1	35.893238	41.484472	34.625069	41.389111
Mgat2	12.897726	39.141556	42.882801	38.603241
Mgat3	2.173656	1.072135	0.932551	2.794457
Mgat4a	0.958065	10.089102	9.978749	8.396236
Mgat4b	96.920273	70.204865	76.668434	64.497459
Mgat4c	0	0	0	0
Mgat4d	0	0	0	0
Mgat4e	0	0	0	0
Mgat5	1.304102	4.089242	3.765946	2.579628
Mgat5b	0	0	0	0.040933
Mgea5	45.6992	28.00956	24.818979	21.995884
Mgl2	0	7.519663	4.068116	6.241834
Mgll	6.674769	6.022717	2.458176	18.302689
Mgme1	2.610332	5.282869	5.03847	5.499282
Mgmt	2.468227	1.687137	2.997398	6.882175
Mgp	230.438782	283.565643	147.060135	473.878235
Mgrn1	17.403114	21.026809	16.175864	21.079086

Mgst1	48.179485	34.490166	52.9072	135.78772
Mgst2	72.918404	47.213879	107.589066	71.551933
Mgst3	81.89003	123.418167	187.31073	118.728905
Mhrt	0	0	0	0
Mia	0	0	0	0.7043
Mia2	0	0.833981	0.996129	0.818121
Mia3	16.497561	19.804127	16.842701	16.982622
Miat	0	0.645926	0.071352	0
Mib1	5.545561	9.263176	7.251446	7.647905
Mib2	7.830862	7.056659	5.499674	6.613028
Mical1	4.413954	5.312266	3.474798	7.641152
Mical2	24.348456	30.392822	13.950524	26.165328
Mical3	7.801982	6.301191	4.66861	5.25294
Micalcl	0.40768	0.29927	0	0.452027
Micall1	13.897304	9.904041	7.806409	7.308569
Micall2	9.407693	12.346539	11.105555	7.092179
Micu1	20.168003	20.800425	17.254952	19.207807
Micu2	19.506613	24.172789	26.128008	24.937853
Micu3	2.701926	2.912199	3.533949	2.811181
Mid1	6.836858	10.574539	13.930848	18.277733
Mid1ip1	8.050101	10.511455	10.413311	10.141714
Mid2	0.387878	0.351135	0.166248	0.184975
Midn	47.848926	42.322266	28.064815	40.57445
Mief1	6.060173	9.934706	7.758831	7.789323
Mief2	5.36385	5.94452	5.185035	6.003792
Mien1	50.846321	52.978222	60.837917	83.02549
Mier1	7.167697	3.746057	11.021642	9.654013
Mier2	19.673838	18.927664	14.155161	15.148065
Mier3	4.840037	3.578346	3.188292	2.812888
Mif	1070.275879	457.545654	519.457031	549.202332
Mif4gd	16.557645	13.679747	15.934456	22.036281
Miip	18.091875	20.174238	21.985445	15.080378
Mill1	0	0	0	0
Mill2	0.644794	0	0	0.668517
Milr1	1.800193	10.895738	11.187629	8.349292
Mina	2.244734	11.982666	9.527987	7.220713
Mink1	20.395579	32.7065	23.596365	20.744769
Minos1	33.327986	23.295989	33.019159	70.71797
Minpp1	9.756944	23.731728	19.936012	19.934336
Mios	3.921247	5.283288	4.093824	3.559593
Miox	0	0	0	0
Mip	0	0	0.045037	0
Mipep	3.521885	6.117727	13.52405	4.717377
Mipol1	8.771439	6.748126	6.334048	4.570971
Mir100	0	0	0	0
Mir101a	0	0	0	0.17343
Mir101b	0	0	0	0
Mir101c	0	0	0	0
Mir103-1	0	0	0	0

Mir103-2	0	0	0	0
Mir105	0	0	0	0
Mir106a	0	0	0	0
Mir106b	5.366355	0	0	0
Mir107	0	0	0	0
Mir10a	0	0	0	0
Mir10b	1.010517	2.163037	0	0
Mir1187	0	0	0	0
Mir1188	0	0	0.311865	0
Mir1190	0	0	0	0
Mir1191	0	0	0	1.392505
Mir1191b	0	0	0	0
Mir1192	0	0	0	0
Mir1193	0	0	0	0
Mir1195	0	0	0	0
Mir1197	0	0	0	0
Mir1198	0	0	0	0
Mir1199	0	0	0.071725	0
Mir122	0	0	0	0
Mir1224	0	0	0	0
Mir1231	0	1.6762	0.308015	0.191089
Mir1247	0	0.186273	0	0
Mir1249	1.287735	0	0.897742	0.829191
Mir124a-1	0	0	0	0
Mir124a-1hg	0	0	0	0
Mir124a-2	0	0	0	0
Mir124a-3	0	0	0	0
Mir1251	0	0	0	0
Mir1258	0.110121	0	0.536189	0
Mir125a	1.583791	1.246093	0	2.549354
Mir125b-1	0	1.498784	0	0
Mir125b-2	0	0	0	0
Mir1264	0	0	0	0
Mir126a	0	0.185989	0	0.402858
Mir126b	0	0	0	0
Mir127	0	0	0	0
Mir128-1	0	0	0	0
Mir128-2	0	0	0	0
Mir129-1	0	0	0	0
Mir129-2	0	0	0	0
Mir1291	0.251865	2.766687	0.933324	1.957952
Mir1298	0	0	0	0
Mir129b	0	0	0	0
Mir1306	0.245332	0.363205	0.363831	0.452139
Mir130a	0	0	0	0
Mir130b	0	0.441536	0	0
Mir130c	0	0	0	0
Mir132	0.460504	0	0	2.767318
Mir133a-1	0	0	0	0

Mir133a-2	0	0	0	0
Mir133b	0	0	0	0
Mir133c	0	0	0	0
Mir134	0	0	0	0
Mir135a-1	0	0	0	0
Mir135a-2	0	0	0	0
Mir135b	0	0	0	0
Mir136	0	0	0	0
Mir137	0	0	0	0
Mir138-1	0	0	0	0
Mir138-2	0	0	0	0
Mir139	0	0	0	0
Mir140	1.170423	0.064654	0.112553	0.663352
Mir141	0	0	0	0
Mir142	0	0	0	0
Mir142b	7.865469	5.268552	1.792688	5.854804
Mir143	0	0	0	1.130155
Mir143hg	2.695176	1.165732	0.963785	5.221825
Mir144	0	0	0	0.527666
Mir145a	0.358678	0	0	1.680492
Mir145b	0	0	0	0
Mir146	0	0	0	0
Mir146b	0	0	0	0
Mir147	0.423567	0.44812	0.517258	0.649492
Mir148a	0	0	0	0
Mir148b	0	0	0	0
Mir149	0	0	0	0
Mir150	0	0	0	0
Mir151	0	0	0.096553	0
Mir152	0	0	0	0
Mir153	0	0	0	0
Mir154	0	0	0	0
Mir155	0	0	0	0
Mir155hg	1.248206	2.501948	1.053052	3.798485
Mir15a	0	0	0	0.101345
Mir15b	0	0	0	0
Mir16-1	0	0	0	0
Mir16-2	0	0	0	0
Mir1668	0.048371	0.963119	1.281346	1.643833
Mir17	2.981117	0	0	0
Mir17hg	0	2.524566	0	0
Mir18	0.461129	0	0	0.338586
Mir181a-1	0	0	0	0
Mir181a-2	0	0	0.380112	0
Mir181b-1	0	0.127286	0.681179	0.077391
Mir181b-2	0.24585	0	0	0
Mir181c	0	0	0	0
Mir181d	0	0	0	0
Mir182	2.061454	0	0	0

Mir183	0	0	0	0
Mir1839	0.316785	2.510856	0	0.084812
Mir184	0	0	0	0
Mir1843a	0	0	2.46659	0
Mir1843b	4.76521	1.652956	3.640911	0.727007
Mir185	0	0	0	0
Mir186	2.363711	3.203077	1.67376	0.71941
Mir187	0	0	0	0
Mir188	0	0	0	0
Mir1892	0.208868	0.369963	0.35785	0.401757
Mir1893	0.369858	0.250143	0.365194	0.557123
Mir1894	1.916911	2.43049	1.110474	2.455494
Mir1895	0	0	0	0
Mir1896	0	0	0	0
Mir1897	0	0	0	0
Mir1898	0.859735	1.513124	1.146998	1.87417
Mir1899	0	0	0	0
Mir18b	0	0	0	0
Mir1900	0	0	0.303026	0.297658
Mir1901	0	0	0	0
Mir1902	0.355925	0.031822	0.142801	0.134555
Mir1903	0.243641	0.184946	0.267846	0.300858
Mir1904	0	0	0	0
Mir1905	0	0	0	0
Mir1906-1	0.114615	0.338257	0.081001	0.387472
Mir1906-2	0.120346	3.939029	0.411927	1.977737
Mir1907	0.220241	0.634861	1.634099	1.087551
Mir190a	0	0	0	0
Mir190b	0	0	0	0
Mir191	0	0	0	0
Mir1912	0	0	0	0
Mir192	0	0	0	0
Mir1927	0	0	0	0
Mir1928	0	0	0	0
Mir1929	0.92359	0.066913	0.120016	0
Mir1930	0	0	0.070346	0
Mir1931	0.385329	0.017114	0	0.008633
Mir1932	0	0	0.83164	0.739515
Mir1933	0	0	0	0
Mir1934	0	0.040895	0	0
Mir1936	0	0	0	0
Mir1938	8.556355	1.476523	0.610599	0.247651
Mir193a	0	0	0	0
Mir193b	0	0	0	0
Mir194-1	1.735629	1.891354	1.362112	1.663331
Mir194-2	0	0	0	0
Mir1941	0	0	0.996702	0
Mir1942	0	0	0	0
Mir1943	0	1.123686	2.257479	0.763309

Mir1945	0	0	0	0
Mir1946a	0	0	0	0
Mir1946b	0	0	0.321294	0
Mir1947	0	0	0	0
Mir1948	0	0	0	0
Mir1949	0.660722	9.035316	6.218539	5.107811
Mir1950	0	0	0	0
Mir1951	0	0	0	0
Mir1952	0	0	0	0
Mir1953	0	0	0	0
Mir1954	0	0	0	0
Mir1955	0	0	0	0
Mir1956	0.14231	0.05222	0.171715	1.309695
Mir1957a	0	0	0	0
Mir1957b	0	0	0	0
Mir1958	0	0	0	0
Mir195a	0	0	0	0
Mir195b	0	0	0	0
Mir1960	0	0	1.380454	0
Mir1961	0	0	0	0.331676
Mir1962	0	0	0	0
Mir1963	0	0	0	0
Mir1964	0	0	0.261041	1.221474
Mir1966	0.066354	0.131535	0.41901	0.026645
Mir1967	0	0	0	0
Mir1968	0	0	0	0
Mir1969	0	0	0	0
Mir196a-1	0	0.31059	0	0
Mir196a-2	0	0	0	0
Mir196b	0	0.079866	0	0
Mir1970	0	0	0	0
Mir1971	0	0	0	0
Mir1981	0.63655	0.517424	1.313115	1.566697
Mir1982	12.125149	13.474015	23.582838	13.580044
Mir1983	0	0	0	0
Mir199a-1	2.869423	1.018291	0.347037	0.597017
Mir199a-2	0.391929	0.312981	0	0.150091
Mir199b	1.80197	0.108001	0	0
Mir19a	0	0	0	0
Mir19b-1	1.097369	0	0	0
Mir19b-2	0	0	0	0
Mir1a-1	0	0	0	0
Mir1a-2	0	0	0	0
Mir1b	0	0	0	0
Mir200a	0	0	0	0
Mir200b	0	0	0	0
Mir200c	0	0	0	0
Mir201	0	0	0	0
Mir202	0	0	0.291803	0

Mir203	0	0	0	0
Mir204	0	0	0	0
Mir205	0	0	0	0
Mir206	0	0	0	0
Mir207	0	0.001889	0.081932	0.083862
Mir208a	0	0	0	0
Mir208b	0	0	0	0
Mir20a	8.496766	0.179761	0	0
Mir20b	0	0	0	0
Mir210	0.894978	0.123429	0.065656	0
Mir211	0	0	0	0
Mir212	0	0.547068	0	0
Mir2136	0	0	0	0
Mir2137	0	0	0	0
Mir2139	0	0	0	2.052901
Mir214	0.470087	0.286383	0.423281	0.385579
Mir215	1.875023	0.2956	0	0
Mir216a	0	0	0	0
Mir216b	0	0	0	0
Mir216c	0	0	0	0
Mir217	0	0	0	0
Mir218-1	0	0	0	0
Mir218-2	0.132144	0	0	0
Mir219a-1	0	0	0	0
Mir219a-2	0	0	0	0
Mir219b	0	0	0	0
Mir219c	0	0	0	0
Mir21a	0.439883	0.06764	0.188404	0.262176
Mir21b	0	0	0	0
Mir21c	0	0	0	0
Mir22	11.159712	5.399016	2.788773	5.628225
Mir221	2.309051	0	0	0.293271
Mir222	4.474512	0	0	0
Mir223	0.207226	0.194401	0.157745	0.151265
Mir224	0.612377	0	0	0
Mir22hg	12.349236	9.136804	5.95507	15.419107
Mir23a	2.915988	1.433151	0.315148	0.412752
Mir23b	1.651806	0.117221	0	0.313747
Mir24-1	0.330361	0.411809	0.215174	0.429376
Mir24-2	6.563999	0.384393	0.601333	1.388699
Mir25	9.525414	1.212252	3.82992	8.22741
Mir26a-1	0	0	0	0
Mir26a-2	0	0	0	0
Mir26b	0	0	0	0
Mir27a	10.252588	3.452827	0.218852	2.891046
Mir27b	0	0.142075	0.164889	0.408916
Mir2861	1.905589	6.015923	2.605497	2.227353
Mir28a	0	0	0	0
Mir28b	0	0	0.385728	0

Mir28c	0	0	0	0
Mir290a	0	0	0	0
Mir290b	0	0	0	0
Mir291a	0	0	0	0
Mir291b	0	0	0	0
Mir292	0	0	0	0
Mir292b	0	0	0	0
Mir293	0	0	0	0
Mir294	0	0	0	0
Mir295	0	0	0	0
Mir296	0.426543	0	0	0
Mir297-1	0	0	0	0
Mir297a-2	0	0	0	0
Mir297a-3	0	0	0	0
Mir297a-4	0	0	0	0
Mir297b	0	0	0	0
Mir297c	0	0	0	0
Mir298	0	0	0	0
Mir299a	0	0	0	0
Mir299b	0	0	0	0
Mir29a	0.450492	1.928583	0	0
Mir29b-1	0.446685	0	0	0
Mir29b-2	0	0	0.063224	0.003185
Mir29c	0.314094	0.186429	0.34403	0.301523
Mir300	0	0	0	0
Mir301	0	0	0	0
Mir301b	0	0	0	0
Mir302a	0	0	0	0
Mir302b	0	0	0	0
Mir302c	0	0	0	0
Mir302d	0	0	0	0
Mir3057	5.455842	0.304906	1.924035	1.345161
Mir3058	1.807911	0	1.414124	0.068036
Mir3059	0	0	0	0
Mir3060	4.21907	0.368057	0.838495	2.191193
Mir3061	7.296989	0	0.750351	1.547822
Mir3062	0.071379	0.226062	2.421768	0.193109
Mir3063	0.215609	0.233336	0.329194	0.35792
Mir3064	33.790077	28.52626	40.70509	49.889118
Mir3065	0	0	0	0
Mir3066	0	0	0	0
Mir3067	0	0	0	0
Mir3068	0	1.253172	1.371292	0.254705
Mir3069	0.179158	0.359324	0.391914	0.349252
Mir3070a	0	0	0	0
Mir3070b	0	0	0	0
Mir3071	0	0	0	0
Mir3072	0	0	0.205669	0.559454
Mir3073a	0	0	0	0

Mir3073b	0	0	0	0
Mir3074-1	0	0	0	0
Mir3074-2	0	0	0	0
Mir3075	0	0.106488	0.224002	0
Mir3076	0.564893	0.343505	0.325983	0.520447
Mir3077	0.758799	0.194465	0.389831	0.810188
Mir3078	0	0	0	0
Mir3079	0	0	0	0
Mir3080	0	0	0	0
Mir3081	0	0	0	0
Mir3082	0.818188	0.468804	1.468636	1.563952
Mir3083	0	0	0	0
Mir3084-1	0	0	0	0
Mir3085	0	0	0	0
Mir3086	0	0	0	0
Mir3087	0	0	0	0
Mir3088	0	0	0	0
Mir3089	0	0	0	0.101345
Mir3090	0	0	0	0
Mir3091	22.321112	17.282234	23.73974	28.593971
Mir3092	2.346941	1.703045	1.101102	3.434229
Mir3093	0	0	0	0
Mir3094	0.030971	0.141429	0.051294	0.145108
Mir3095	0	0	0	0
Mir3097	0	0.016887	0	0
Mir3098	0	0	0	0
Mir3099	0	0	0	0
Mir30a	0	0	0	0
Mir30b	0	0	0	0
Mir30c-1	0	0	0	0
Mir30c-2	0	0	0	0
Mir30d	0	0	0	0
Mir30e	0	0	0	0
Mir30f	0	0	0	0
Mir31	0	0.165446	0	0.219031
Mir3100	2.60223	1.688449	1.555537	2.952768
Mir3101	2.919553	3.78645	2.089047	1.2664
Mir3102	0	0	0.277774	0.133946
Mir3103	0.008218	0.086037	0.160862	0.09928
Mir3104	0	0	0	0
Mir3105	0	0	0	0
Mir3106	0	0	0	0
Mir3107	0	0	0	0
Mir3108	0	0	0	0
Mir3109	1.524166	0.456431	0	0.39575
Mir3110	0	0	0	0
Mir3112	0	0.100976	0.009608	0
Mir3113	0	0.320077	3.170483	1.03867
Mir32	0	0	0	0

Mir320	0	0	0	0.86829
Mir322	0	0	0	0
Mir323	0	0	0	0
Mir324	2.598346	0	0	0.13913
Mir325	0	0	0	0
Mir326	0	0	0	0
Mir327	0	0	0	0
Mir328	0	0	0	0
Mir329	0	0	0	0
Mir33	0	0	0	0
Mir330	0	0	0	0
Mir331	0.220241	0	0	0.101576
Mir335	0	0	0	0
Mir337	0	0	0	0
Mir338	0	0	0	0
Mir339	0.08259	0.477324	0	0
Mir340	0	0	0	0
Mir341	0	0	0	0
Mir342	0	0	0	0
Mir343	0.297766	1.181822	3.441655	1.666488
Mir344	0	0	0	0
Mir344-2	0	0	0	0
Mir344b	0	0	0	0
Mir344c	0	0	0	0
Mir344d-1	0	0	0	0
Mir344d-2	0	0	0	0
Mir344d-3	0	0	0	0
Mir344e	0	0	0	0
Mir344f	0	0	0	0
Mir344g	0	0	0	0
Mir344h-1	0	0	0	0
Mir344h-2	0	0	0	0
Mir344i	0	0	0	0
Mir345	0.633192	0	0	0
Mir346	0	0	0	0
Mir3470a	0	0	0	0
Mir3470b	0	0.142629	0	0.575021
Mir3471-1	0	0	0.119948	0
Mir3471-2	0	0	0.180232	0
Mir3472	0	0	0	0
Mir3473a	0	0	0	0.070776
Mir3473c	0.195769	0	0	0
Mir3473d	0.081571	0	0	0.286633
Mir3473e	0	0	0.447653	0
Mir3473f	0	0	0	0
Mir3473g	0.218621	0	0.362072	0.261764
Mir3474	0.189863	0.06069	0.15201	0.156527
Mir3475	0	0	0	0
Mir34a	0	0	0	0

Mir34b	0	0	0	0
Mir34c	0	0	0	0
Mir350	0	0	0	0
Mir351	0.140153	0.400845	0	0
Mir3544	0	0	0	0
Mir3547	0	0	0	0
Mir3569	0	0	0	0.627135
Mir3572	0.056786	0.02845	0.054134	0.060213
Mir361	0	0	0	0
Mir362	0	0	0	0
Mir3620	0	0	0	0
Mir363	0	0	0	0
Mir365-1	1.139177	0	0.475438	0
Mir365-2	0.289066	1.676949	0.762076	1.838038
Mir367	0.114525	0	0	0
Mir369	0	0	0	0
Mir370	0	0	0	0
Mir374b	0	0	0	0.488786
Mir374c	0	0	0	0
Mir375	0	0	0	0
Mir376a	0	0	0	0
Mir376b	0	0	0	0
Mir376c	0	0	0	0
Mir377	0	0	0	0
Mir378a	0	0	0	0
Mir378b	1.895986	0	0.613739	0
Mir378c	0	0	0	0
Mir378d	0	0	0	0
Mir379	0	0	0	0
Mir380	0	0	0	0
Mir381	0	0	0	0
Mir382	0	0.684816	0	0
Mir383	0	0	0	0
Mir384	0	0	0	0
Mir3960	0	2.138877	0	1.558424
Mir3961	0	0	0	0
Mir3962	0.382918	0.286424	0.317541	0.453736
Mir3963	0	0	0	0
Mir3964	0	0	0	0
Mir3965	0	0	0	0
Mir3966	0	0	0	0
Mir3967	0	0	0	0
Mir3968	0	0	0	0
Mir3969	0	0	0	0
Mir3970	0	0	0	0
Mir3971	1.40901	0	0	0
Mir409	0	0	0	0
Mir410	0	0	0	0.207013
Mir411	0	0	0	0

Mir412	0	0.042429	0	0
Mir421	0	0	1.03667	0.733178
Mir423	0	0	0	0
Mir425	2.347508	0.452574	1.459875	1.09258
Mir429	0	0	0	0
Mir431	0	0	0	0
Mir432	0	0	0	0
Mir433	0	0	0	0.8176
Mir434	0	0	0	0
Mir448	0	0	0	0
Mir449a	0	0	0	0
Mir449b	0	0	0	0
Mir449c	0	0	0	0
Mir450-1	0	0	0	0
Mir450-2	0	0	0	0
Mir450b	2.497853	0	0	0
Mir451a	0	0	0	0
Mir451b	0	0	0	0
Mir452	0	0	0	0
Mir453	0	0	0	0
Mir455	0	0	0	0
Mir463	0	0	0	0
Mir465	0	0	0	0
Mir465b-1	0	0	0	0
Mir465b-2	0	0	0	0
Mir465c-1	0	0	0	0
Mir465c-2	0	0	0	0
Mir465d	0	0	0	0
Mir466	0	0	0	0
Mir466b-1	0	0	0	0
Mir466b-2	0	0	0	0
Mir466b-3	0	0	0	0
Mir466b-4	0	0	0	0
Mir466b-5	0	0	0	0
Mir466b-6	0	0	0	0
Mir466b-7	0	0	0	0
Mir466b-8	0	0	0	0
Mir466c-1	0	0	0	0
Mir466c-2	0	0	0	0
Mir466d	0	0	0	0
Mir466e	0	0	0	0
Mir466f-1	0	0	0	0
Mir466f-2	0	0	0	0
Mir466f-3	0	0	0	0
Mir466f-4	0	0	0	0
Mir466g	0	0	0	0
Mir466h	0	0	0	0
Mir466i	0	0	0	0
Mir466j	0	0	0	0

Mir466k	0	0	0	0
Mir466l	0	0	0	0
Mir466m	0	0	0	0
Mir466n	0	0	0	0
Mir466o	0	0	0	0
Mir466p	0	0	0	0
Mir466q	0	0	0	0
Mir467a-1	0	0	0	0
Mir467a-10	0	0	0	0
Mir467a-2	0	0	0	0
Mir467a-3	0	0	0	0
Mir467a-4	0	0	0	0
Mir467a-5	0	0	0	0
Mir467a-6	0	0	0	0
Mir467a-7	0	0	0	0
Mir467a-8	0	0	0	0
Mir467a-9	0	0	0	0
Mir467b	0	0	0	0
Mir467c	0	0	0	0
Mir467d	0	0	0	0
Mir467e	0	0	0	0
Mir467f	0	0	0	0
Mir467g	0	0	0	0
Mir467h	0	0	0	0
Mir468	0	0	0	0
Mir470	0	0	0	0
Mir471	0	0	0	0
Mir483	0	0	0	0
Mir484	0	0	0.62716	0.485138
Mir485	0	0	0	0
Mir486	0	0	0	0
Mir487b	0	0	0	0
Mir488	0	0	0	0
Mir489	0	0	0	0
Mir490	0	0	0	0
Mir491	0	0	0	0
Mir493	0	0	0	0
Mir494	0	0	0	0
Mir495	0	0	0	0
Mir496a	0	0	0	0
Mir496b	0	0	0	0
Mir497	0	0	0	0
Mir497b	0	0	0	0.19193
Mir499	0	0	0	0
Mir500	0	0	0	0
Mir501	0	0	0	0
Mir503	0	0	0	0
Mir504	0	0	0	0
Mir5046	0.920314	0.544943	0.472944	0.733193

Mir505	0	0	0	0
Mir509	0	0	0	0
Mir5098	0.83799	0.023866	0.743373	0.245386
Mir5099	0	0	0	0
Mir5100	0	0	0	2.067793
Mir5101	0	0	0.052735	0
Mir5103	0	0	0	0
Mir5104	0	0	0	0
Mir5106	0	0	0	0
Mir5107	0.077227	1.124519	0.296564	1.741665
Mir5108	0	0	0	0
Mir511	0	0.171863	0	1.074068
Mir5110	0	0	0	0
Mir5112	1.156264	0	0	0
Mir5113	0.284534	0.269981	0.330948	0.373472
Mir5114	0.529207	0.461812	0.468963	0.553034
Mir5116	0.17587	0.395553	0.35746	0.451009
Mir5118	0	0	0	0
Mir5119	5.784219	2.570541	1.059707	1.602131
Mir5120	0	0	0	0
Mir5121	11.987991	9.070838	11.185996	13.44149
Mir5122	0	0.05219	0.240676	0.243478
Mir5123	0	0	0	0
Mir5124a	0	0	0	0
Mir5124b	0	0	0	0
Mir5125	0	0	0	0
Mir5126	0	0	0	0
Mir5127	0	0	0	0
Mir5128	0	0	0	0
Mir5129	0.038796	0.017981	0.037302	0.012568
Mir5130	0	0.015666	0.00977	0.110559
Mir5131	0	0.102194	0.017382	0.32177
Mir5132	0.977124	0.618167	1.602802	0.025434
Mir5133	1.598741	8.625355	1.843096	0.415652
Mir5134	0.055873	0.053559	0.060124	0.07327
Mir5135	0	0	0	0
Mir5136	1.434463	1.511061	0	0.498969
Mir532	0	0	0	0
Mir539	0	0	0	0
Mir540	0	0	0	0
Mir541	0	0	0	0
Mir542	0	0	0	0
Mir543	0	0	0	0
Mir544	0	0	0	0
Mir546	0.26509	0.288567	0.278677	0.338489
Mir547	0	0	0	0
Mir551b	0	0	0	0
Mir5615-1	0	0	0	0.34826
Mir5615-2	0	0	0	0.322463

Mir5616	0	0	0.514303	0
Mir5617	0	2.26287	0	0.298703
Mir5618	0	0	0	0
Mir5619	0	0	0	0
Mir5620	0.672521	0	0	0.053552
Mir5621	0	0	0	0
Mir5622	0.440482	0	0	0.232173
Mir5623	2.98269	0	0.825387	0.121615
Mir5624	0	0	0	0
Mir5625	0.09893	0.307983	0.430764	0.389579
Mir5626	0	0	0	0
Mir5627	0	0	0	0
Mir568	0	0.381689	1.977583	0.205133
Mir5709	0	0	0.973771	0
Mir5710	0	0	0	0
Mir574	0	0	0	0
Mir582	0	0	0	0
Mir592	0	0	0	0
Mir598	0	0	0	0
Mir599	0	0	0	0
Mir615	0	0	0	0
Mir6236	5589.743164	1432.334961	1465.873657	2298.447021
Mir6237	0	0	0	0
Mir6238	0	0	0	0
Mir6239	0	0	0.937939	0
Mir6240	0.338832	0	0	0
Mir6241	0	0	0	0
Mir6244	0	0	0	0
Mir6335	0	0	0	0
Mir6336	0	0	0	0
Mir6337	0	0	0	0
Mir6338	0	0.389255	0	0
Mir6339	0	0	0	0
Mir6340	0	0	0	0
Mir6341	0	0	0	0
Mir6342	0	0	0	0
Mir6343	0	0	0	0
Mir6344	0	0	0	0
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Mir6350	0	0	0	0
Mir6351	0	0	0	0
Mir6352	0	0	0	0
Mir6353	0	0	0	0
Mir6354	0	0	0	0
Mir6355	0	0	0	0

Mir6356	0	0	0	0
Mir6357	0	0	1.037344	0
Mir6358	0	0	0	0
Mir6359	0.31463	0.188572	0.551184	0
Mir6360	0	0	0	0
Mir6361	0	0	0	0
Mir6362	0	0	0	0
Mir6363	0	0	0	0
Mir6364	0	0	0	0
Mir6365	0	0	0	0
Mir6366	0	0	0	0
Mir6367	0.518592	0.466992	0.534135	0.632324
Mir6368	0	0	0	0
Mir6369	0	0	0	0
Mir6370	0	0	0	0
Mir6371	0	0	0	0
Mir6372	0	0	0	0
Mir6373	0	0	0	0
Mir6374	1.086796	0.12689	0.478612	0
Mir6375	0	0	0	1.816653
Mir6376	0	0	0	0
Mir6377	0	0	0	0
Mir6378	0	0	0	0
Mir6379	0	0	0	0
Mir6380	0	0	0	0
Mir6381	0	0	0	0
Mir6382	0	0	0	0
Mir6383	0	0	0	0
Mir6384	0	0	0	0
Mir6385	0.245411	0.215511	2.301078	1.289852
Mir6386	0	0.250221	1.635081	1.986868
Mir6387	0	0	0	0.401287
Mir6388	0	0	0	0
Mir6389	0	0	0	0
Mir6390	0	0	0	0
Mir6391	0	0	0	0
Mir6392	0	0	0	0
Mir6393	0	0	0	0
Mir6394	0	0	0	0
Mir6395	1.48118	1.063052	0.584409	0.467749
Mir6396	0	0	0	0
Mir6397	1.193563	0	0	0.116503
Mir6398	0	0	0	0
Mir6399	0	0	0	0
Mir6400	0	0	0	0
Mir6401	0	0	0	0
Mir6402	0	0	0	0
Mir6403	1.536564	0.249968	0.763439	0.371957
Mir6404	0	0	0	0

Mir6405	0	0	0	0
Mir6406	0	0	0	0
Mir6407	0	0	0	0
Mir6408	0	0	0	0
Mir6409	0	0	0	0.277599
Mir6410	0	0	0	0
Mir6411	0	0	0	0
Mir6412	0	0	0	0
Mir6413	0	0	0	0
Mir6414	0	0	0	0
Mir6415	0	0	0	0
Mir6416	0	0	0	0
Mir6417	0	0	0	0
Mir6418	0.456526	0.166148	0.991848	2.473744
Mir6419	0	0	0	0
Mir6420	0	0	0	0
Mir6481	0	0	0	0
Mir6516	7.83857	7.817188	8.451688	6.901878
Mir652	0	0	0	0
Mir653	0	0	0	0
Mir6537	0	0	0.101468	0
Mir6538	0	0	0	0
Mir6539	0	0	0	0.232173
Mir654	0	0	0	0
Mir6540	0	0	0	0
Mir6541	0	0	0	0
Mir6546	0	0	0	0.162271
Mir664	0	2.611573	0	0
Mir665	0	0	0	0
Mir666	0	0	0	0
Mir667	0	0	0	0
Mir668	0	0	0	0
Mir669a-1	0	0	0	0
Mir669a-10	0	0	0	0
Mir669a-11	0	0	0	0
Mir669a-12	0	0	0	0
Mir669a-2	0	0	0	0
Mir669a-3	0	0	0	0
Mir669a-4	0	0	0	0
Mir669a-5	0	0	0	0
Mir669a-6	0	0	0	0
Mir669a-7	0	0	0	0
Mir669a-8	0	0	0	0
Mir669a-9	0	0	0	0
Mir669b	0	0	0	0
Mir669c	0	0	0	0
Mir669d	0	0	0	0
Mir669d-2	0	0	0	0
Mir669e	0	0	0	0

Mir669f	0	0	0	0
Mir669g	0	0	0	0
Mir669h	0	0	0	0
Mir669i	0	0	0	0
Mir669j	0	0	0	0
Mir669k	0	0	0	0
Mir669l	0	0	0	0
Mir669m-1	0	0	0	0
Mir669m-2	0	0	0	0
Mir669n	0.905434	0	0	0
Mir669o	0	0	0	0
Mir669p-1	0	0	0	0
Mir669p-2	0	0	0	0
Mir670	0	0	0.091918	0
Mir671	0.276617	0.273787	0.27493	0.319703
Mir6715	0	0	0	0
Mir672	0	0	0	0
Mir673	0	0	0	0
Mir674	0	0	0	0
Mir675	0.347475	0.289643	0.333418	0.394802
Mir676	0	0	0	0
Mir6769b	1.530674	0	1.072377	1.65101
Mir677	2.428467	0.485937	5.883766	1.89509
Mir678	0.181666	0.382237	0.279019	0.417392
Mir679	0	0	0	0
Mir680-1	0	0	0	0
Mir680-2	0.186151	0.613189	0.265744	0.67734
Mir680-3	0	0	0	0
Mir681	0	0	0	0
Mir682	574.883789	261.293274	325.362579	325.304565
Mir683-1	0	0	0	0
Mir683-2	0	0	0	0
Mir684-1	13.571698	16.004536	16.995285	16.089638
Mir684-2	0.706051	0.870869	0.690912	0.465247
Mir686	1.096984	1.136287	1.253217	1.099901
Mir687	0	0	0	0
Mir688	0	0	0	0
Mir6896	0.009051	0.085245	0.026982	0
Mir6897	0	0.054747	0.052948	0
Mir6898	0.060066	0.764086	0	0.190965
Mir6899	0.103238	0	0	0.018139
Mir690	0	0	0	0
Mir6900	0.011012	0.282859	1.772706	0
Mir6901	0.051441	0.551947	0.016635	1.609732
Mir6902	0.691694	0.053036	0.010259	0.036277
Mir6903	0	0.087429	0.042278	0.043173
Mir6904	1.248305	1.197128	0.724489	0.792025
Mir6905	0.302045	2.060828	0.028138	2.16695
Mir6906	0	0	0	0

Mir6907	3.164023	0.358553	0.527096	0.65835
Mir6908	0.807549	0	0	0
Mir6909	0	1.195306	0.28592	0
Mir691	0	0	0	0
Mir6910	0	0.137144	0.646609	0
Mir6911	0	1.090441	0.523343	2.198356
Mir6912	0	2.254788	0.093794	1.227201
Mir6913	0.020022	0.625718	1.193741	0.328325
Mir6914	0.052231	0.047553	0.048309	0.067297
Mir6915	0.660722	2.910576	0.352067	0
Mir6916	0.283166	0.161633	0.13548	0.356244
Mir6917	0	0	0	0
Mir6918	0	0.39015	0.577318	0.467015
Mir6919	1.055024	0.018249	0.381227	0.224684
Mir692-1	1.23612	0.348699	0.206002	0.938701
Mir692-2	8.809845	3.158759	2.824942	5.988645
Mir692-3	8.777829	3.131353	2.796553	5.951793
Mir6920	0	0	0	0
Mir6921	0	3.047803	2.470298	0.948041
Mir6922	0	0.094286	0	0.011726
Mir6923	0	0	0	0
Mir6924	0	0	0	0
Mir6925	0.077698	4.873356	0.848619	0.236273
Mir6926	0	0	0	0
Mir6927	0	0	0	0.348805
Mir6928	0	0.024245	0	0
Mir6929	0.019723	0.743032	0	0
Mir693	0	0	0	0
Mir6930	0	0	0	0
Mir6931	0	0.038224	0	1.014451
Mir6932	0	0.058522	0.03396	0
Mir6933	0	0	0.778142	0.372623
Mir6934	0.831231	0	0	0
Mir6935	31.612471	11.614887	17.598822	17.521826
Mir6936	0	2.084774	1.386066	0.487278
Mir6937	0.02033	1.540492	0.474742	0.904881
Mir6938	0	1.212252	0	0.442235
Mir6939	2.537174	2.013954	0.586525	0.423072
Mir694	0	0	0	0
Mir6940	0	0	0	0
Mir6941	0	0	0.600917	0.144289
Mir6942	1.202298	1.131435	1.09785	0.73585
Mir6943	0	0	0.447653	0.175889
Mir6944	1.679336	0.477324	0.020517	0.217662
Mir6945	4.110082	2.26287	1.32277	2.128255
Mir6946	0.670298	0	0.399644	0.886072
Mir6947	0	0.974775	0	0
Mir6948	3.388866	2.363239	3.325147	2.508969
Mir6949	0	0	0	0

Mir695	0	0	0.433689	0
Mir6950	0.276779	0.174671	0.138429	0.500392
Mir6951	0	0	0	0.010319
Mir6952	0.021663	0	0	0
Mir6953	4.207247	0.956728	0.646902	0.523528
Mir6954	0.825903	0.188572	0.010943	1.367243
Mir6955	6.29472	3.057933	3.930473	1.987069
Mir6956	0.03197	0	0	0
Mir6957	0	0	0	0
Mir6958	6.770142	0	4.380049	1.356995
Mir6959	0	0	0	0
Mir6960	0	0.927406	2.690809	0.773911
Mir6961	0	0	0	0
Mir6962	0	0.422043	0	0
Mir6963	3.443201	6.222892	2.228597	4.632565
Mir6964	0	0	0	0
Mir6965	1.207883	0	1.241304	0
Mir6966	3.881744	2.31787	0.036476	2.106757
Mir6968	0	0	0	0
Mir6969	0	0	0	0
Mir697	1.945797	0.954973	0.349361	1.540722
Mir6970	1.567983	4.12045	2.62623	1.813493
Mir6971	0.346093	0	0	0
Mir6972	3.78883	1.290543	0	0.048369
Mir6973a	0	0	0	0.525862
Mir6973b	0	0.022	0.028724	0.322462
Mir6974	0	0	0	0
Mir6975	0.064989	0.194755	0	0.266428
Mir6976	0	0	0.656558	0.884469
Mir6977	0.094182	0	0	0
Mir6978	0.046366	0	0.011519	0.190083
Mir6979	1.699001	0.040409	0.011724	0.152019
Mir698	0.080822	0.079581	0.06425	0.094668
Mir6980	0	0.017439	0	0
Mir6981	2.183257	0.393543	0.85638	2.126573
Mir6982	0	0	0	0
Mir6983	0	0	0.041035	0
Mir6984	0.015486	0	0.061552	0.060462
Mir6985	0.660722	0	0	0.025374
Mir6986	2.096085	0.331628	0.554678	0.013343
Mir6987	0	0	0	0
Mir6988	0.011199	0	0.066769	5.036979
Mir6989	0	0	0	0
Mir6990	6.222408	1.380102	6.349129	4.167212
Mir6991	1.953851	1.810296	0.450211	0.585961
Mir6992	3.024775	0.326975	0.530065	1.633023
Mir6993	0	0.060923	0.858575	0
Mir6994	0.470652	0	0.872412	0
Mir6995	0.362932	0.063743	1.04032	0

Mir6996	0	0	0	0
Mir6997	0	0	0	0.71941
Mir6998	0	0.282859	0.830956	0.507879
Mir6999	0.7907	0.013911	2.066542	1.217958
Mir7-1	1.541685	1.932868	0.060793	0.200643
Mir7-2	0	0	0	0
Mir700	0.519959	0.542934	1.199531	0.429408
Mir7000	0	0	0.015633	0
Mir7001	0	2.842909	0.465408	1.49884
Mir7002	0.024027	0	0	0
Mir7003	0	0	0	0
Mir7004	0	0	0	0.556248
Mir7005	25.021269	12.142428	11.989313	6.774525
Mir7006	0	2.082496	1.3036	0
Mir7007	0	0.315186	0	0
Mir7008	0	0	0	0
Mir7009	1.775691	3.411984	2.79037	2.696596
Mir701	0	0	0	0
Mir7010	0	0	0	0
Mir7011	0	0.108494	1.025309	1.728048
Mir7012	0	0	0	0
Mir7013	4.955418	4.66717	2.270595	1.52095
Mir7014	15.951726	12.580479	9.035483	7.100326
Mir7015	0.020648	0	0.020517	0.024185
Mir7016	0	0	0	0.021498
Mir7017	0.127881	0.036498	0.052948	0.04993
Mir7018	0	0	0	0
Mir7019	1.608716	0.983856	2.949752	1.278635
Mir702	0.165339	0.68093	0.15022	0.557489
Mir7020	0	0	0	0.707576
Mir7021	0	0	0	0
Mir7022	0	0	0.053816	0.86272
Mir7023	0	0	0	0
Mir7024	0	2.664347	1.281346	0.024965
Mir7025	0.164476	2.464941	0.120665	0.301982
Mir7026	0.433907	0.683927	1.352312	2.298631
Mir7027	2.642889	0.322144	2.416497	2.482964
Mir7028	0	1.511526	0.451383	0.241847
Mir7029	0.067586	0.06073	0.066972	0.076123
Mir703	147.893616	88.900146	126.447884	120.017998
Mir7030	0.011012	1.404865	1.313115	2.412023
Mir7031	3.303612	0	1.36362	1.75023
Mir7032	0	0	0	0
Mir7033	0	0	0	1.30896
Mir7034	1.392236	0	0.167817	0.027639
Mir7035	4.85067	1.324607	1.849571	1.170304
Mir7036	12.696034	8.755567	5.605992	10.537094
Mir7036b	0.734136	0.897965	0.27096	0.872185
Mir7037	0	0	0	0

Mir7038	0	0	0.406881	0.218003
Mir7039	0.99497	0	0.007724	0
Mir704	0.04414	1.47444	2.787436	0.327359
Mir7040	1.006815	0	0	0
Mir7041	0	0.217583	0.946958	0
Mir7042	1.486625	0.087784	0	0.060045
Mir7043	0	0	0	0
Mir7044	0	0	0	0
Mir7045	0	2.352666	0.364754	0.282539
Mir7046	0.040044	0.162858	2.874927	0
Mir7047	0	0	0	0
Mir7048	0	0.975375	0	0
Mir7049	0	0.443145	0	0.451448
Mir705	0.331056	0.274601	0.246709	0.374821
Mir7050	8.749065	8.664907	9.005782	10.164029
Mir7051	1.828301	0	0.512655	2.427748
Mir7052	0.701382	2.332497	4.999939	1.238257
Mir7053	0.687875	0	0	0
Mir7054	0	0	0	0
Mir7055	0	0	0	0
Mir7056	0	0	0	0
Mir7057	0.911341	0.029261	0	0.053374
Mir7058	0.017619	0	0	0
Mir7059	3.079638	0.134238	1.658086	0.564037
Mir706	0	0	0	0
Mir7060	0	3.526444	0.905762	1.756834
Mir7061	0	1.472529	0.3669	0.54629
Mir7062	0.120131	2.974303	1.203689	0.762185
Mir7063	3.027705	1.038185	1.34919	0.79092
Mir7064	0.348921	0.082633	0.022131	0.052174
Mir7065	0	0	0.010763	0
Mir7066	0	0	0	0
Mir7067	6.282105	1.634295	5.877754	4.133667
Mir7068	3.04468	1.857694	2.271335	1.087658
Mir7069	4.550459	1.113186	2.806254	5.429859
Mir707	0	0.25961	3.355256	4.389946
Mir7070	0.668405	0.296015	0.855052	0.062992
Mir7071	0	0	0	0
Mir7072	0	0	0	0
Mir7073	0	0	0	0
Mir7074	1.489247	0.592656	0.573185	1.289852
Mir7075	0.008058	0.013798	1.008857	0.04719
Mir7076	1.142871	0	0	0.397414
Mir7077	0.06955	0	0	0.108619
Mir7078	1.114969	0.822058	1.27208	2.998905
Mir7079	22.790133	9.830366	10.600075	7.144656
Mir708	0.278837	0	0	0
Mir7080	0	0	0	0
Mir7081	0	0.392231	0.017508	0.041275

Mir7082	0.027174	3.562817	0.556647	0.813075
Mir7083	0	0	0	0
Mir7084	0.011327	0.034347	0.002786	0.031325
Mir7085	0.730799	0.068572	0.348174	0
Mir7086	0	0.28721	0.313127	0.666754
Mir7087	0.722075	0.258614	0.262623	0.840246
Mir7088	0	0	0	0.674922
Mir7089	0	0	0	1.286058
Mir709	0	0.218573	0	0
Mir7090	0	0.009124	0.01059	0
Mir7091	0.551996	4.182013	7.105781	7.102346
Mir7092	0.019433	0	0.019311	0
Mir7093	0	0.313665	0.741065	0
Mir7094-1	0	0	0	0
Mir7094-2	0	0	0	0
Mir710	0	0	0	0
Mir711	0.366782	0.204159	0.649757	0.329095
Mir7115	6.173625	16.794739	13.818485	13.749009
Mir7116	0	0	0.018759	0.143726
Mir7117	0	0.600531	0.757566	0.464347
Mir7118	0	0.09274	0	0
Mir7119	0	0	0	0
Mir713	0	0.157144	0	0
Mir717	0	0	0	0
Mir718	0	0	0	0
Mir719	0.098966	4.554687	0.228768	0.347402
Mir721	0	0	0	0
Mir7210	0	0	0	0
Mir7211	0	2.26287	0.562764	0
Mir7212	0	0	0	0
Mir7213	0	2.431592	0.334038	0.298703
Mir7214	0	0	0	0
Mir7215	0	0	0	0
Mir7216	0	0	0	0
Mir7217	0	0	0	0
Mir7218	0	0	0	0
Mir7219	0.416011	0.274478	0.404269	0.50751
Mir7220	0	0	0	0
Mir7221	0	0	0	0
Mir7222	0	0	0	0
Mir7223	0	0	0	0
Mir7224	0	0	0	0
Mir7225	1.83534	0.314485	0.364754	0.428358
Mir7226	0	0.150858	0	0
Mir7227	0	0	0	0
Mir7228	0	0	0	0
Mir7229	0	0	0	0
Mir7230	0	0	0	0
Mir7231	2.182117	0.000713	1.928079	0

Mir7232	0	0	0	0
Mir7233	0	0	0	0
Mir7234	0	0	0	0
Mir7235	0	0	0	0
Mir7236	0	0	0	0
Mir7237	0	1.023679	0.260538	0
Mir7238	0.072027	0.123507	0.250173	0.3295
Mir7239	0	0	0	0
Mir7240	0	0	0	0
Mir7241	0	0	0	0
Mir7242	0	0	0	0
Mir7243	0	0	0	0
Mir741	0	0	0	0
Mir742	0	0	0	0
Mir743	0	0	0	0
Mir743b	0	0	0	0
Mir744	0	0	0	0
Mir7578	0.034739	0.003226	0.411019	0.386556
Mir758	0	0	0	0
Mir759	0	0	0	0
Mir760	0	0	0	0
Mir761	0	0	0.268998	0
Mir762	0	0	0	0
Mir763	4.382792	0.348859	3.293731	7.777804
Mir764	0	0	0	0.372623
Mir7646	0.003059	0.054127	0.00304	0
Mir7647	0	0	0.46738	0.537802
Mir7648	0.126446	0.271422	0.04821	0.226333
Mir7649	1.097271	0	0	2.142075
Mir7651	0	0	0	0
Mir7652	0	0	0	0
Mir7653	0.485412	0.59354	0.343857	0.538294
Mir7654	0.286253	0.238766	0.283292	0.329096
Mir7655	0	0	0	0
Mir7656	0	0	0	0
Mir7657	0.347222	0.397656	0.390534	0.515941
Mir7658	0.280874	0.231994	0.400681	0.531781
Mir7659	0	0	0	0
Mir7660	0	0	0	0
Mir7661	0	0	0	0
Mir7662	0	0	0	0
Mir7663	0	0	0	0
Mir7664	0	0.682453	2.62623	0
Mir7665	0	0	0	0
Mir7666	0.180197	0.411431	0.811744	1.491538
Mir7667	0	0	0	0
Mir7668	0	0	0	0
Mir7669	1.868249	2.711542	0.520718	0
Mir767	0	0	0	0

Mir7670	0.127676	0.13323	0.283081	0.209367
Mir7671	0	1.5606	0	0
Mir7672	0.330361	0.268172	0.01059	0.203285
Mir7673	4.150162	0	2.841663	0.278124
Mir7674	0.943889	1.409804	2.073888	4.324074
Mir7675	1.982167	0	0.486758	1.654568
Mir7676-1	0.498469	0.386881	0.444545	0.596909
Mir7676-2	0.515479	0.390713	0.451317	0.60357
Mir7677	0.002192	0.005004	0.004009	0.008401
Mir7678	0.119893	0.410534	1.773499	0.074007
Mir7679	0	0	0.687822	0
Mir7680	0	0	0	0
Mir7681	0	0	0	0
Mir7682	0	0	0	0
Mir7683	0	0	0	0
Mir7684	0	0	0	0
Mir7685	0	0	0	0
Mir7686	0	0	0	0
Mir7687	0	0	0.155793	0
Mir7688	5.563046	2.040624	7.855243	10.281959
Mir7689	0	0	0	0
Mir770	0	0	0	0.049399
Mir7b	0	0	0	0
Mir7j	0	0	0	0
Mir7k	0	0	0	0
Mir802	0	0	0	0
Mir804	0	0	0	0
Mir8090	0.267204	0	0	0
Mir8091	4.425414	3.296627	2.77738	3.385164
Mir8092	0	0	0	0
Mir8093	0.340382	0.905814	0.588162	0.956504
Mir8094	19.056946	24.412115	24.808012	21.55382
Mir8095	0	0	0	0
Mir8096	0	0	0	0
Mir8097	0.917515	1.65722	0.773647	2.164566
Mir8098	0.066555	0.26789	0.125359	1.65084
Mir8099-1	0.117958	0.454761	0.34546	0.336496
Mir8099-2	2.186766	2.046423	4.759664	2.414849
Mir8100	0	0	0	0
Mir8101	0.283018	0.141474	0.055206	0.087306
Mir8102	0	0	0	0
Mir8103	0	0	0.447932	0.542461
Mir8104	0	0.070014	0	0.223745
Mir8105	0	0	0	0
Mir8106	0	0	0	0
Mir8107	0	0.13055	0.014029	0.08158
Mir8108	0.678908	0.183249	0.275071	0.659295
Mir8109	0	0	0	0
Mir8110	0	0	0	0

Mir8111	0	0	0	0
Mir8112	1.876883	5.381001	5.497738	1.508922
Mir8113	0	0	0	0
Mir8114	46.670284	35.096859	0.184078	34.73402
Mir8115	0	0	0	0
Mir8116	0	0.419914	0	0.10372
Mir8117	0	0	0	0
Mir8118	0	0	0	0
Mir8119	0	0	0	0
Mir8120	0	0	0	0.128057
Mir871	0	0	0	0
Mir872	0	0	0	0
Mir873a	0	0	0	0
Mir873b	0	0	0	0
Mir874	0	0	0	0
Mir875	0	0	0	0
Mir876	0	0	0	0
Mir877	3.622313	0.019966	0.417107	1.365725
Mir878	0	0	0	0
Mir879	0	0	0	0
Mir880	0	0	0	0
Mir881	0	0	0	0
Mir882	0	0	0	0
Mir883a	0	0	0	0
Mir883b	0	0	0	0
Mir9-1	0	0	0	0
Mir9-2	0	0	0	0
Mir9-3	0	0	0	0
Mir92-1	2.139089	0	0.106009	0.232173
Mir92-2	0	0	0	0
Mir92b	0	0.599797	0	0
Mir93	3.416235	0.128572	0	0.492489
Mir96	0	0	0	0
Mir98	0	0	0	0
Mir99a	0.121979	0	0	0.238126
Mir99ahg	0	0.278372	0.260361	0.571347
Mir99b	1.302567	0	0	0.873413
Mira	0	0.824798	0.317157	0
Mirc35hg	0.638869	0	0.050298	0
Mirg	0.114444	1.652296	0.669194	1.626464
Mirlet7a-1	0	0	0	0
Mirlet7a-2	0	0	0	0
Mirlet7b	0.247965	1.214629	0.494349	0.172992
Mirlet7c-1	0.492027	1.63697	0	2.07474
Mirlet7c-2	0.418368	0	0	0
Mirlet7d	3.951505	0	0.29322	0.383199
Mirlet7e	1.726404	1.009775	1.284876	0.249649
Mirlet7f-1	0	0	0	0
Mirlet7f-2	0	0	0	0

Mirlet7g	0	0	0	0
Mirlet7i	4.189757	0.918459	0.177657	2.103217
Mis12	3.123024	10.71371	6.819799	9.472714
Mis18a	15.173237	22.863256	33.105148	24.504995
Mis18bp1	0.220303	3.177945	4.767164	1.722982
Misp	0.222963	0.13939	0.060867	0.292937
Mitd1	5.608883	9.553675	14.169144	11.727047
Mitf	3.510821	2.491586	2.260031	4.044278
Mixl1	0	0	0	0
Mki67	1.844612	16.492887	20.548597	9.111834
Mkks	5.782588	11.912277	15.446738	13.829708
Mkl1	21.730606	25.405051	18.499516	19.077434
Mkl2	2.916482	2.178457	4.669207	3.528744
Mkln1	9.369246	9.076286	10.085971	9.004377
Mkln1os	0	0	0.510807	0
Mknk1	6.886418	11.99321	10.229326	10.430947
Mknk2	55.485447	33.034756	34.55896	30.16995
Mkrn1	13.38115	10.760003	12.30386	14.564469
Mkrn2	18.238617	12.502229	10.940279	9.847792
Mkrn2os	0.487149	0.27583	0.155154	0.341996
Mkrn3	0.077824	0.198123	0	0.022789
Mks1	0.849092	0.625997	0.891461	1.090499
Mkx	0.154809	1.318417	0.169011	0.48862
Mlana	0	0	0	0
Mlc1	0	0	0	0
Mlec	15.6825	49.662621	46.796772	45.887768
Mlf1	0	0.840536	0	0
Mlf2	143.208838	155.340084	132.605496	139.058418
Mlh1	2.713336	9.082945	8.863402	5.605662
Mlh3	2.232116	3.269709	3.622432	2.922848
Mlip	0	0.449246	0	0
Mlkl	6.725238	10.043244	12.348836	8.341596
Mllt1	12.819551	29.448345	19.474876	17.046518
Mllt10	9.914252	10.94287	11.541371	8.045245
Mllt11	8.688699	13.70436	11.836561	13.184651
Mllt3	5.360748	4.435968	3.441771	3.423713
Mllt4	13.34313	12.098982	10.816901	8.352774
Mllt6	18.10821	17.497717	12.334723	12.851222
Mlph	0.963381	0.140925	0.109231	0.564037
Mlst8	5.324253	7.019089	6.586315	7.500088
Mlx	14.708149	23.898771	27.206246	28.895645
Mlxip	9.556929	9.59833	8.188611	8.564303
Mlxipl	0.352542	1.643457	6.051152	5.628498
Mlycd	6.104446	6.673211	4.878536	8.122527
Mmaa	4.520591	4.308745	5.793434	5.631066
Mmab	2.113891	4.194686	4.966714	3.854785
Mmachc	2.159843	7.509827	6.522202	5.320068
Mmadhc	32.492622	35.272625	41.755451	39.770821
Mmd	30.53302	44.350685	46.733776	44.264439

Mmd2	0	0	0	0
Mme	0.024311	0.034475	0	0.057204
Mmel1	0	0	0	0
Mmgt1	4.009995	10.103258	7.437508	6.4032
Mmgt2	6.221504	12.380291	11.573265	12.629585
Mmp10	10.434765	5.36616	2.786584	20.371841
Mmp11	17.666614	11.512649	12.936984	12.266299
Mmp12	4.972362	14.235866	8.928965	30.130171
Mmp13	2.062936	3.173939	1.652807	8.553234
Mmp14	129.646606	180.373291	140.559967	174.681213
Mmp15	0.220035	0.954483	0.939189	1.098197
Mmp16	0.043028	0.490552	0.649569	0.113821
Mmp17	0.56471	0.327043	0.155248	0.3569
Mmp19	4.957309	10.843455	5.998565	16.210568
Mmp1a	0	0	0	0
Mmp1b	0	0	0	0
Mmp2	42.571945	36.236244	7.230986	65.269356
Mmp20	0	0	0	0
Mmp21	0.133354	0	0	0
Mmp23	5.476993	7.106185	2.687009	18.326145
Mmp24	0.02235	0	0.045764	0.111135
Mmp25	0	0	0.029198	0.034417
Mmp27	0.297628	0	0	0
Mmp28	2.224894	4.507132	2.823421	3.120292
Mmp3	2.8958	3.762964	0.726043	11.723245
Mmp7	10.585103	0	0	6.460129
Mmp8	6.278883	1.826071	2.39825	1.662031
Mmp9	3.297991	3.849161	13.981947	21.762768
Mmrn1	0	0.054546	0	0
Mmrn2	0.561799	2.714696	1.631714	1.173654
Mms19	20.330109	19.969992	17.813313	13.783397
Mms22l	1.243465	3.241607	4.495408	2.186473
Mn1	0.136716	0.384315	0.11239	0.240837
Mnat1	27.756121	21.819407	26.16444	19.001448
Mnd1	13.675971	17.000652	26.336674	13.019237
Mnd1-ps	0.729677	0.851839	1.235247	0.670128
Mnda	6.136334	5.032324	6.245983	8.050974
Mndal	2.715582	5.535387	4.502695	6.810901
Mns1	0	1.763595	1.701164	0.157181
Mnt	17.943525	11.21332	8.305038	10.172726
Mnx1	0	0	0	0
Moap1	0.522774	0.034143	0.013209	1.353435
Mob1a	17.710491	30.404961	25.240057	23.238384
Mob1b	3.668666	3.834248	3.051512	4.117274
Mob2	23.569548	18.571545	16.440094	17.77869
Mob3a	14.194424	16.967785	13.286176	17.223829
Mob3b	1.112928	1.746078	1.527722	1.773225
Mob3c	4.305445	3.646574	3.018981	6.150824
Mob4	17.872705	21.802345	26.615829	31.025587

Mobp	0	0	0	0
Mocos	2.412476	1.244422	1.823086	2.82354
Mocs1	6.224674	4.661582	5.883698	6.433354
Mocs2	17.507746	24.342044	29.581308	34.911306
Mocs3	1.757867	3.294749	2.871366	3.420944
Mog	0	0	0	0
Mogat1	0	0	0	0
Mogat2	0.167418	0.472495	0.22231	0.39307
Mogs	22.72336	43.174255	33.963932	34.197083
Mok	0	0.685678	1.050747	0.296721
Mon1a	2.883934	5.262658	3.651965	5.566755
Mon1b	2.04749	3.662647	2.494429	2.785282
Mon2	6.272844	6.435955	4.887911	5.640076
Morc1	0	0	0	0
Morc2a	20.864014	22.455564	15.411475	14.895251
Morc2b	0.053428	0	0	0
Morc3	12.962427	12.906208	12.014894	11.899739
Morc4	11.538301	13.956099	11.610918	7.234249
Morf4l1	151.206619	75.300521	76.39278	89.382443
Morf4l1-ps1	17.718611	9.6338	9.836017	11.979323
Morf4l2	112.689019	123.19319	121.869388	110.580412
Morn1	0.26761	0.456952	0.433225	0
Morn2	0.765907	6.465093	5.890753	4.736765
Morn3	0	0	0	0
Morn4	3.920311	4.820125	6.300928	4.426833
Morn5	0	0	0	0
Mos	0	0	0.136027	0
Mospd1	4.106653	3.966196	4.691919	4.152025
Mospd2	4.54872	6.093066	8.029857	5.980368
Mospd3	11.020959	12.01856	10.987275	17.187813
Mospd4	0.168361	0.08585	0.167299	0.29186
Mov10	7.704886	18.445042	15.032001	10.517196
Mov10l1	0	0	0	0
Moxd1	0	0.418554	0	0.130784
Moxd2	0	0	0	0
Mpc1	9.300742	12.805561	19.120089	24.402164
Mpc2	36.118847	38.430374	65.599258	77.854622
Mpdu1	33.580335	35.503646	54.170423	52.063219
Mpdz	2.444738	3.571741	3.192761	1.97437
Mpeg1	23.585014	51.847694	57.529655	71.712402
Mpg	14.181386	17.727562	19.848331	17.653297
Mphosph10	22.950651	26.712811	20.293951	23.864361
Mphosph6	25.346289	31.09326	31.664267	28.519791
Mphosph8	6.212384	7.472112	7.31695	7.055186
Mphosph9	1.407869	2.300204	2.1327	1.439992
Mpi	6.400396	12.106419	10.369649	12.992628
Mpl	0	0	0	0
Mplkip	4.394349	7.499886	9.517874	6.434293
Mpnd	29.232479	33.617779	30.440401	29.590899

Mpo	0	0	0	0.068394
Mpp1	16.109064	24.796686	29.800699	19.485085
Mpp2	0.975968	0.17593	0.539929	0.911575
Mpp3	0	0.281964	0.294899	0.142441
Mpp4	0	0	0	0.115749
Mpp5	4.929416	6.074486	5.737614	4.620307
Mpp6	39.236956	33.953338	32.477957	36.123313
Mpp7	0.348622	0.949837	0.736323	0.622084
Mppe1	1.173189	2.22718	2.219531	3.406151
Mpped1	0	0	0	0
Mpped2	0	0	0	0
Mprip	40.817589	46.620159	34.06739	34.851915
Mpst	15.758964	15.680214	19.885732	18.08664
Mptx1	0	0	0	0
Mptx2	0	0	0	0
Mpv17	18.38571	29.664228	39.984512	34.549307
Mpv17l	1.145519	1.112332	1.704627	1.240285
Mpv17l2	11.932437	19.705925	22.925205	22.465294
Mpz	0	0.081182	0.123208	0.2326
Mpzl1	58.538988	49.386554	53.111359	59.314764
Mpzl2	2.332317	0.396143	1.805738	0.933939
Mpzl3	1.448077	1.186641	1.033365	1.446129
Mr1	2.661061	4.295079	5.754365	5.24711
Mrap	7.422471	0.426569	0.630083	8.77593
Mrap2	0	0	0	0
Mras	14.26731	11.533931	9.619253	8.002645
Mrc1	8.394454	26.070341	24.949394	26.079546
Mrc2	35.764645	45.181236	41.1064	47.381527
Mre11a	8.213721	14.035147	11.5809	8.80826
Mreg	3.00267	0.939912	1.266995	1.692795
Mrfap1	119.020699	102.927269	97.054718	125.871223
Mrgbp	13.047979	17.322523	12.181979	12.596655
Mrgpra1	0	0	0	0
Mrgpra2a	0	0	0	0
Mrgpra2b	0	0	0	0
Mrgpra3	0	0	0	0
Mrgpra4	0	0	0	0
Mrgpra6	0.00491	0.001529	0	0
Mrgpra9	0	0	0	0
Mrgprb1	0	0	0	0
Mrgprb2	0	0	0	0
Mrgprb3	0	0	0	0
Mrgprb4	0	0	0	0
Mrgprb5	0	0	0	0
Mrgprb8	0	0	0	0
Mrgprd	0	0	0	0
Mrgpre	1.10747	0.168918	0.148821	1.171463
Mrgprf	0.197294	0.967303	0.949161	1.241884
Mrgprg	0	0	0	0

Mrgprh	0	0	0	0
Mrgprx1	0	0	0	0
Mrgprx2	0	0	0	0
Mri1	7.57617	13.489427	12.413491	10.853478
Mrln	0	0.947514	0	0
Mrm1	4.569841	5.490875	6.385336	6.950221
Mro	0	0	0	0
Mroh1	21.640432	15.322743	12.499245	12.546243
Mroh2a	0	0	0	0
Mroh2b	0	0	0	0
Mroh4	0.111517	0	0.027749	0
Mroh5	0	0	0	0
Mroh6	0	0.237393	0.058218	0.340446
Mroh7	0	0	0	0
Mroh8	0	0	0.054922	0
Mroh9	0	0	0	0
Mrpl1	4.94173	4.895359	9.411314	6.344859
Mrpl10	30.576443	49.400475	43.331043	42.221394
Mrpl11	16.725309	21.321384	31.720026	23.066813
Mrpl12	80.387314	121.642975	134.8022	150.556671
Mrpl13	159.801498	155.385162	231.890991	217.899719
Mrpl14	137.363632	87.511276	153.349777	155.786301
Mrpl15	10.808681	19.341774	24.797008	21.493365
Mrpl16	18.532557	31.263943	34.788788	23.171885
Mrpl17	7.402512	10.664179	12.978946	14.778331
Mrpl18	35.340385	49.230404	70.283501	72.15448
Mrpl19	5.881817	12.105599	11.618741	8.940682
Mrpl2	59.279587	64.724899	72.241119	61.101486
Mrpl20	58.813236	120.884888	146.368912	155.834808
Mrpl21	43.694599	50.326534	55.325684	37.024609
Mrpl22	30.27882	56.980663	59.259388	50.580532
Mrpl23	76.593849	50.43343	65.752213	58.278675
Mrpl24	75.880302	104.226372	135.63179	111.987129
Mrpl27	29.775803	41.085621	49.091629	46.122013
Mrpl28	85.738197	98.868301	146.925262	131.454391
Mrpl3	17.341913	41.494701	51.642914	37.559441
Mrpl30	180.450333	142.011475	197.827972	144.175888
Mrpl32	48.357479	60.713715	69.953308	60.660801
Mrpl33	151.754196	168.739838	343.574768	305.935608
Mrpl34	59.478313	85.694374	82.684593	84.555153
Mrpl35	6.248341	6.846178	9.050012	6.537818
Mrpl36	10.923162	25.543213	24.599073	29.026804
Mrpl37	22.294743	29.923658	27.760624	28.010817
Mrpl38	28.301489	55.023346	46.989246	35.954765
Mrpl39	11.811217	24.005381	21.531897	17.418015
Mrpl4	28.409012	30.548525	33.397461	29.891481
Mrpl40	33.526497	33.835537	43.923077	40.637905
Mrpl41	8.652245	14.715543	18.820553	21.777143
Mrpl42	44.330898	90.656639	129.938904	113.127907

Mrpl43	43.813023	44.75721	49.609348	50.785912
Mrpl44	12.894294	17.514599	16.155743	17.149952
Mrpl45	32.795315	21.462008	24.138685	19.459988
Mrpl46	12.957607	20.876019	27.437277	25.887655
Mrpl47	21.141602	26.010353	26.828506	19.443178
Mrpl48	34.182362	31.635154	43.486383	39.408774
Mrpl49	12.174301	30.555315	31.753422	30.813927
Mrpl50	12.931371	31.442917	37.712254	28.505901
Mrpl51	24.860607	31.66431	33.755299	32.271744
Mrpl52	162.444687	179.001526	217.414581	271.139313
Mrpl53	96.609329	119.195374	166.251892	170.641815
Mrpl54	53.754887	73.842026	93.964905	96.566162
Mrpl55	12.169641	15.704065	20.34917	23.415541
Mrpl57	15.81008	18.746918	29.829527	30.099499
Mrpl9	45.695663	42.884636	54.909225	38.513142
Mrps10	29.133011	41.858945	57.297781	46.731207
Mrps11	14.226751	28.738773	35.750603	30.991316
Mrps12	22.224037	31.010254	28.357719	37.186188
Mrps14	16.355059	20.540138	25.484934	23.579142
Mrps15	34.959118	44.936543	49.096222	46.268814
Mrps16	108.075371	72.39286	120.728882	126.430527
Mrps17	27.369055	46.036919	59.353683	53.801041
Mrps18a	48.99976	61.347603	68.554031	70.94809
Mrps18b	51.781689	49.918697	40.659191	38.897659
Mrps18c	33.328968	40.777866	64.347229	72.033821
Mrps2	10.521028	17.246084	12.99883	12.826548
Mrps21	138.729797	181.532745	261.340576	251.168304
Mrps22	7.799893	23.620104	23.401741	20.773399
Mrps23	33.594602	39.741499	45.654592	44.32471
Mrps24	52.033035	62.444088	81.597656	76.244629
Mrps25	5.324562	6.694822	7.259536	10.691772
Mrps26	40.319862	50.657005	48.370274	53.324631
Mrps27	6.900044	13.365947	14.888093	10.39486
Mrps28	21.38105	37.239414	49.82563	41.401016
Mrps30	39.375729	29.827545	29.067335	24.335604
Mrps31	12.793752	17.461	15.765077	15.745006
Mrps33	26.646961	42.068407	65.361655	57.054125
Mrps34	39.297531	43.187931	51.827839	49.519093
Mrps35	58.194954	50.021202	68.675194	58.924923
Mrps36	18.192336	22.770493	31.695172	27.709072
Mrps5	32.505562	34.307171	30.035906	25.787315
Mrps6	50.649158	64.797028	78.317055	74.791153
Mrps7	36.94257	52.794598	59.67955	58.183605
Mrps9	47.76944	54.560043	68.24128	50.783607
Mrrf	10.364759	14.565812	15.215247	10.733765
Mrs2	5.709285	5.725502	4.178462	4.892721
Mrto4	51.762127	71.399896	83.153256	82.183758
Mrvi1	0.318232	0.326859	0.235557	0.496998
Ms4a1	0	0	0	0

Ms4a10	0	0	0	0
Ms4a13	0	0	0	0
Ms4a15	0	0	0	0
Ms4a18	0	0	0	0
Ms4a2	0	0	0	0
Ms4a3	0	0	0	0
Ms4a4b	0	0.417318	0	0
Ms4a4c	0	2.003425	1.048663	0.821971
Ms4a4d	1.047949	1.545739	0.50363	2.938641
Ms4a5	0	0	0	0
Ms4a6b	0.701063	16.205944	21.650249	8.027432
Ms4a6c	5.356428	44.900782	77.923027	26.792099
Ms4a6d	8.32915	44.918629	50.510876	36.970753
Ms4a7	0	33.633646	21.555717	13.130418
Ms4a8a	12.342442	1.871636	7.476384	11.715952
Msantd1	0.601582	0.135302	0.368728	0.972861
Msantd2	9.545723	9.000118	8.263857	9.13071
Msantd3	9.234922	9.777091	9.777036	8.065354
Msantd4	8.63743	11.084301	10.267439	10.143124
Msc	0	0.295873	0	0.22513
Msgn1	0	0	0	0
Msh2	12.592357	22.236622	16.914309	11.142317
Msh3	2.496342	5.225088	3.796967	2.716797
Msh4	0	0	0	0
Msh5	1.65155	1.243762	0.852687	0.622854
Msh6	15.430881	19.041309	16.588207	11.133749
Msi1	3.854054	5.345208	2.384096	2.681494
Msi2	13.756974	14.62407	11.462291	12.681255
Msl1	24.271957	23.499302	16.29216	23.779894
Msl2	6.228471	7.024596	6.076492	6.0385
Msl3	10.692993	15.67756	16.615353	12.660558
Msl3l2	0.161476	0.43592	0.39056	0.702306
Msln	136.264374	110.930916	261.863098	55.719017
Mslnl	0	0	0	0
Msmb	0	0	0	0
Msmo1	9.33276	35.88755	58.49572	22.97887
Msmp	0	0	0	0
Msn	192.010406	311.49884	196.696793	186.909241
Msr1	7.987319	54.9335	72.373889	56.184628
Msra	5.881106	6.655193	6.724226	9.923227
Msrb1	69.110741	64.012276	96.292763	149.903305
Msrb2	0.774449	3.698301	2.337368	4.521953
Msrb3	10.454221	6.801883	4.583751	14.049778
Mss51	0.853814	2.064606	1.364448	1.086574
Mst1	0.152897	0.049247	0.156643	2.290638
Mst1r	0.256251	0.37771	0.256791	0.27214
Mstn	0	0	0	0
Msto1	10.728706	18.62359	17.526375	11.909484
Msx1	0	1.352963	0	0.060117

Msx1os	0.158537	0.497471	0.066916	0.291809
Msx2	0	0	0	0
Msx3	0.19501	0.611727	0.929573	0.477476
Mt1	1752.2323	265.846527	330.946228	696.088623
Mt2	1629.145996	105.166473	119.564339	452.82486
Mt3	0.85722	0	0	0
Mt4	0	0	0	0
Mta1	86.718079	76.625259	64.249901	52.164101
Mta2	50.925285	58.040562	47.609467	49.315445
Mta3	18.436807	26.841155	20.975885	17.506844
Mtag2	0	0.118516	0.275094	0.081066
Mtap	48.649628	97.105247	93.322815	64.927284
Mtap7d3	0	0	0	0
Mtbp	6.822411	12.215653	10.279181	6.994019
Mtch1	60.370846	103.6614	87.234375	104.25602
Mtch2	45.18372	59.124496	79.59716	68.671799
Mtcl1	5.409607	6.714247	4.05941	5.265178
Mtcp1	1.153502	2.214326	1.34468	1.55435
Mtdh	99.025414	61.722084	64.72998	57.708717
Mterf1a	2.565581	3.921376	3.723913	3.727258
Mterf1b	2.978563	2.841821	3.866395	3.717374
Mterf2	2.571591	3.457845	4.832213	3.678916
Mterf3	4.934764	12.862349	11.091737	10.50233
Mterf4	21.74205	15.638378	8.985432	21.612307
Mtf1	2.795268	2.830528	2.45111	3.850415
Mtf2	5.058862	6.447765	7.291081	6.729287
Mtfmt	3.498958	5.264053	5.729796	5.035537
Mtfp1	0.459571	2.305826	1.487553	2.382715
Mtfr1	24.477526	35.348186	31.751791	27.728052
Mtfr1l	52.471907	25.740168	22.599612	29.741713
Mtfr2	0.235399	2.420913	3.856529	2.641113
Mtg1	5.761333	9.619148	10.365789	6.695421
Mtg2	6.775901	12.317882	9.191692	9.846428
Mthfd1	15.047535	36.203365	27.958603	19.274315
Mthfd1l	19.829576	26.028161	23.076076	18.401233
Mthfd2	26.70244	64.201836	38.33345	43.549496
Mthfd2l	3.814237	5.436558	4.959862	3.494146
Mthfr	5.108936	9.544727	8.153399	7.850465
Mthfs	13.480142	14.662496	18.973917	22.021528
Mthfsd	6.63554	22.050438	19.207504	13.705699
Mthfsl	16.644072	15.514483	21.238762	24.544405
Mtif2	5.556208	11.239865	14.048219	10.162805
Mtif3	1.48383	3.936974	2.289795	1.578871
Mtl5	0.442973	0.234048	0.130195	0.174614
Mtm1	1.332847	1.121624	2.045813	2.852687
Mtmr1	3.712821	4.132277	4.12525	4.409822
Mtmr10	3.606232	6.859691	5.743523	5.387044
Mtmr11	12.050835	16.403997	18.600519	9.71159
Mtmr12	3.926604	5.295807	3.613137	3.298409

Mtmr14	9.797258	12.12646	12.017761	9.439341
Mtmr2	21.828952	27.147229	29.540012	25.238739
Mtmr3	21.358368	17.932419	15.324784	15.208565
Mtmr4	5.25722	7.446461	6.237989	4.746022
Mtmr6	11.699193	19.595175	19.468973	16.459475
Mtmr7	1.658709	1.340787	1.509178	1.797557
Mtmr9	9.112371	11.5911	10.254895	9.673887
Mtnr1a	0	0	0	0
Mtnr1b	0	0	0	0
Mto1	3.644723	7.765454	8.724107	6.091438
Mtor	4.620337	6.388868	4.572567	4.335179
Mtpap	9.937255	7.332988	7.488621	7.079343
Mtpn	25.066992	39.656002	35.720417	34.620255
Mtr	1.996889	3.645382	3.692469	1.756402
Mtrf1	2.587711	4.24121	7.149321	5.181919
Mtrf1l	2.298286	2.534182	2.062993	3.235573
Mtrr	4.761908	5.165734	5.373238	4.861718
Mtss1	28.32436	16.219027	13.869849	18.794569
Mtss1l	16.69837	15.470736	8.949564	11.923963
Mttp	2.113786	2.537431	3.346737	4.209147
Mturn	0.753724	0.989552	0.747612	1.844436
Mtus1	1.349452	5.88963	6.927303	6.926184
Mtus2	0.058425	0.067349	0.039082	0.199352
Mtx1	27.188597	27.183805	30.892717	26.730827
Mtx2	22.402061	30.715134	40.551308	29.88723
Mtx3	3.7823	5.456763	5.253507	3.907613
Muc1	0.935557	0.566726	0.151919	1.093001
Muc13	0	0	0	0.0391
Muc15	0	0	0	0
Muc19	0	0	0	0
Muc2	0.535802	0	0.089486	0.154368
Muc20	0	0	0	0.031606
Muc4	0	0	0	0
Muc5ac	0	0	0	0
Muc5b	0	0	0	0
Muc6	0.478797	0.370707	0.246169	1.016329
Mucl1	0	0	0	0
Mug-ps1	0	0	0	2.056284
Mug1	0.047884	0.162415	0	12.685816
Mug2	0.059834	0	0	4.979668
Mul1	3.735064	6.104049	4.422527	6.423128
Mum1	10.826105	15.935668	11.792527	12.016335
Mum1l1	1.343134	1.49042	3.031685	0.98454
Munc	0	0	0	0
Mup1	0	1.796636	0	0
Mup10	0	0	0	0
Mup11	0	0	0	0
Mup12	0	0	0	0
Mup13	0	0	0	0

Mup14	0	0	0	0
Mup15	0	0	0	0
Mup16	0	0	0	0
Mup17	0	0	0	0
Mup19	0	0	0	0
Mup2	0	0	0	0
Mup20	0.821801	0	0	13.921659
Mup21	0	0	0	0
Mup3	0.529742	2.875938	0.162693	14.490373
Mup4	0	0	0	0
Mup5	0	0	0	0
Mup6	0	0	0	0
Mup7	0	1.069483	0	0
Mup8	0	0	0	0
Mup9	0	0	0	0
Murc	5.363844	5.557815	4.443649	4.289072
Mus81	7.836671	8.767201	8.219983	10.569339
Musk	0	0.086792	0	0
Mustn1	7.086373	11.487567	2.16458	10.165867
Mut	3.940243	9.846641	12.462983	6.611094
Mutyh	0.742739	3.906672	3.059705	2.937875
Mvb12a	56.827717	47.208649	49.866234	48.453964
Mvb12b	5.693979	8.742517	6.423421	5.990798
Mvd	8.517701	14.762677	22.376953	17.098364
Mvk	3.552336	11.244964	10.893179	7.128399
Mvp	32.974277	28.507431	17.229849	26.369011
Mx1	0.035522	0.296849	0.158609	1.37279
Mx2	0	0.244086	0	1.296188
Mxd1	6.248158	4.308483	5.818304	5.208
Mxd3	0.229855	3.535414	5.293235	2.229976
Mxd4	21.985413	17.578989	17.27877	21.712502
Mxi1	38.14779	22.057923	20.665883	20.173138
Mxra7	14.319481	23.471863	20.904795	31.566141
Mxra8	94.41732	104.724884	92.165833	104.192406
Myadm	65.171689	111.13249	78.077289	88.214952
Myadml2	0	0.386218	0	0
Myb	0	0.157268	0.052149	0
Mybbp1a	95.266312	107.043434	77.876244	64.172943
Mybl1	0.306499	0.791035	1.064414	0.979115
Mybl2	1.460479	9.533991	8.10925	3.862133
Mybpc1	0	13.739187	0	0
Mybpc2	0	24.299154	0	0
Mybpc3	0	0	0.117231	0.107042
Mybph	0	1.094643	0	0
Mybphl	0	0	0	0
Myc	257.758415	247.081295	273.34465	246.669279
Mycbp	8.782045	9.438149	13.11656	13.284688
Mycbp2	7.313555	5.673111	5.574605	6.049973
Mycbpap	0	0	0	0

Mycl	0.685427	0.921761	1.381925	0.514532
Mycn	0.170016	0.04816	0	0.196161
Mycs	0	0	0	0
Myct1	0.372801	1.781227	1.555042	0.972471
Myd88	12.852002	14.203518	12.859912	20.083494
Mydgf	50.535492	100.948647	105.360237	103.535362
Myef2	10.629877	24.350561	22.526043	16.03196
Myeov2	243.818253	169.803131	301.474357	466.055328
Myf5	0	0	0	0
Myf6	0	2.760592	0	0
Myg1	25.54525	33.635139	33.536381	28.674992
Myh1	0	31.157127	0.085301	0
Myh10	18.643585	25.866659	19.797874	13.865712
Myh11	1.011009	0.209585	0.133648	2.23102
Myh13	0	0	0	0
Myh14	0	0.04524	0	0.105722
Myh15	0	0	0	0
Myh2	0	13.40589	0	0
Myh3	0	0.701493	0	0.009687
Myh4	0	54.2715	0	0
Myh6	0	0.153923	0	0
Myh7	0.008186	2.07853	0	0.028763
Myh7b	0.519955	0.389323	0.448774	0.152606
Myh8	0	5.851899	0	0
Myh9	180.637222	188.437866	114.839127	127.184235
Myl1	0	83.152383	0	0
Myl10	0.739052	0	0	0
Myl12a	281.267731	357.052124	295.435455	258.89093
Myl12b	167.238266	215.87648	211.178314	198.334732
Myl2	0	5.221045	0	0
Myl3	0	0.466811	0	0
Myl4	0.448962	11.549067	0.669198	0.782675
Myl6	594.100281	743.872681	770.020142	933.107361
Myl6b	5.660575	6.660413	5.247341	5.429445
Myl7	0	0	0	0
Myl9	16.034872	8.930816	3.228529	27.699287
Mylip	7.621011	6.369756	4.910206	9.596572
Mylk	5.11402	1.361441	1.471516	9.21759
Mylk2	0.368954	2.526998	0	0.348102
Mylk3	0	0	0	0
Mylk4	0	0.430832	0	0.020579
Mylpf	0	156.195709	1.948802	0.230635
Mynn	4.520322	4.841936	7.26912	5.199735
Myo10	7.070497	8.70023	6.539388	8.699759
Myo15	0.114874	0	0.012553	0
Myo16	0	0	0	0
Myo18a	16.786924	13.6876	12.491435	10.743417
Myo18b	0.697896	1.269256	0	0.055987
Myo19	2.057558	8.46705	4.976629	3.861151

Myo1a	0	0.30264	0.161153	0.069243
Myo1b	17.08649	21.684201	13.528807	14.918595
Myo1c	57.342892	64.619907	42.127205	45.612772
Myo1d	5.24875	3.503792	1.115522	5.294922
Myo1e	18.231035	26.593014	15.519541	15.843181
Myo1f	1.880524	10.351017	8.655667	14.071732
Myo1g	4.43605	8.381933	11.064553	12.751578
Myo1h	0.902382	0.940866	0.773303	0.893156
Myo3a	0	0	0	0
Myo3b	0	0	0	0
Myo5a	8.014761	10.767469	11.669231	7.867504
Myo5b	0.081708	0	0	0.344167
Myo5c	0	0	0	0.033339
Myo6	3.898761	2.582039	2.068901	2.302061
Myo7a	5.389365	7.812222	5.376511	8.760351
Myo7b	0	0	0	0
Myo9a	2.049439	2.223817	2.066002	1.801017
Myo9b	22.250021	24.855256	19.033805	20.342491
Myoc	0	0.488747	0	0
Myocd	0.017432	0	0.028869	0
Myod1	0	0.478144	0	0
Myof	46.402837	87.235142	69.961542	55.606432
Myog	0	2.569045	0	0
Myom1	0.183397	4.004869	0.247935	0.507429
Myom2	0	5.010478	0	0
Myom3	0.079955	0.414602	0	0.020811
Myot	0	4.568547	0	0
Myoz1	0	14.16261	0.304432	0.259565
Myoz2	1.430324	3.377623	0.256245	0.495356
Myoz3	0	1.046336	0	0.078143
Mypn	0	0.935709	0	0
Mypop	3.040083	5.026741	3.734106	5.692426
Myrf	1.405142	0.159193	0.167043	1.72163
Myrfl	0	0	0	0
Myrip	0	0	0.031022	0
Mysm1	4.493162	4.954905	3.83899	3.962603
Myt1	0	0	0	0
Myt1l	0	0	0.040009	0.02394
Myzap	0.4933	1.584406	1.291834	1.333242
Mzb1	0	0	0.32538	0
Mzf1	0	0.214901	0.105526	0.192778
Mzt1	22.902081	32.466499	48.443581	43.846394
Mzt2	11.361809	11.718755	13.098001	10.041686
N4bp1	9.057485	12.197863	8.918284	10.443309
N4bp2	0.63924	1.069247	1.185951	0.965532
N4bp2l1	6.685914	3.293687	5.412812	6.601387
N4bp2l2	3.426545	5.216746	5.568056	3.707034
N4bp3	2.211056	5.681809	5.173326	4.002852
N6amt1	4.922551	8.619864	10.260636	7.70151

N6amt2	11.768919	35.860126	55.84156	42.426701
Naa10	58.394171	67.781828	87.65958	58.367307
Naa11	0.073653	0	0.043914	0
Naa15	18.161188	16.521412	14.085757	12.948837
Naa16	8.051681	4.566473	5.951875	3.602546
Naa20	42.94834	57.184551	75.879585	69.444258
Naa25	10.770157	14.075208	10.619473	10.584632
Naa30	2.131227	3.377755	3.171695	3.971659
Naa35	12.058942	14.190115	12.92331	11.357749
Naa38	70.960304	96.916153	153.219086	127.180214
Naa40	5.388065	13.080424	13.057175	12.057414
Naa50	18.086216	24.587961	21.270449	22.816095
Naa60	12.871643	19.900192	16.606081	19.803764
Naaa	10.912867	13.258349	27.915931	37.845634
Naalad2	0.231421	0.299052	0.31095	1.2913
Naaladl1	0	0.489398	0.193274	0.187529
Nab1	4.826728	11.790006	7.331819	6.981627
Nab2	28.187646	27.759407	17.191276	34.189219
Nabp1	3.423976	10.60511	10.67207	13.55544
Nabp2	52.202724	38.295639	42.110809	35.335796
Naca	861.286191	558.45257	884.572697	769.728736
Nacad	0.776312	0.147412	0.080376	0.315227
Nacc1	17.567629	31.89101	21.619646	23.649223
Nacc2	1.8512	3.145957	2.005963	3.03113
Nadk	24.893812	48.696789	42.042934	42.021549
Nadk2	18.648472	21.98287	18.821954	11.896557
Nadsyn1	1.234517	3.279684	2.818652	2.640074
Nae1	18.585741	17.994699	20.551559	19.011757
Naf1	10.227514	13.549607	8.088321	5.979868
Naga	28.178617	24.949827	28.185986	26.968348
Nagk	17.629491	21.911661	21.821372	32.315861
Naglu	17.257738	21.991495	27.269007	28.65188
Nagpa	6.497656	16.568482	14.813492	17.181438
Nags	0	0	0.093129	1.204227
Naif1	0.398132	1.179217	0.663802	0.96806
Naip1	0.374073	0.262793	0.745225	1.306016
Naip2	1.460628	5.008735	4.46365	4.934532
Naip5	1.509109	2.597168	3.425884	4.536723
Naip6	0.533998	0.937169	1.405858	2.175406
Naip7	0	0	0	0
Nalcn	0	0	0	0
Nampt	36.640373	27.387846	42.991745	25.690454
Nanog	0.093906	0.104315	0.290246	0.16062
Nanos1	0.06291	0.304606	0.137396	0.220273
Nanos2	0	0	0	0
Nanos3	1.36355	0.401169	0	0.463049
Nanp	2.257508	4.105258	4.252584	3.57969
Nans	37.328388	35.033779	34.364441	37.579796
Nap1l1	114.044007	126.398163	145.641354	103.538738

Nap1l2	1.121403	0.438724	0.112869	0.849342
Nap1l3	0	0	0.122015	0
Nap1l4	50.995814	52.755338	45.668951	47.283714
Nap1l5	0.235474	0.089607	0	1.446486
Napa	43.661228	46.808025	34.508125	49.188133
Napb	1.726197	1.519105	2.537715	1.359326
Napepld	0.161718	0.52521	0.513377	0.919295
Napg	8.347713	7.78943	6.385555	7.212186
Naprt	0.993935	1.116469	0.755844	2.688596
Napsa	8.37183	16.200216	27.096432	27.387236
Narf	10.664707	9.388193	10.040778	8.828056
Narfl	11.143886	15.407538	14.43166	13.784522
Nars	93.814726	116.14518	79.458099	84.414601
Nars2	1.668434	3.689894	4.145842	2.479812
Nasp	17.780441	27.696043	29.19873	17.121388
Nat1	0	0	0	0.085095
Nat10	9.557928	18.812449	13.027372	11.295765
Nat14	0.797621	0.576982	0.610941	2.222833
Nat2	3.027375	3.815812	5.968827	5.839318
Nat3	0	0	0	0
Nat6	13.358809	9.965463	10.35179	10.344377
Nat8	0	0.151748	0	0.456707
Nat8l	0.121033	0.070097	0.167986	0.376465
Nat9	20.24325	9.756291	12.547222	13.751986
Natd1	3.812142	5.536125	4.091685	5.447056
Nav1	7.443541	10.453319	6.527129	8.275199
Nav2	8.703975	7.111539	5.644449	7.078855
Nav3	0.472575	1.39562	1.493537	0.632196
Nbas	2.34508	4.022532	4.589374	2.970634
Nbea	1.300793	2.656588	2.275582	1.374268
Nbeal1	1.175254	1.314852	1.145279	1.379381
Nbeal2	2.319256	4.470104	3.505768	3.893898
Nbl1	58.75779	26.268297	18.75139	48.107658
Nbn	5.106915	9.23657	7.637787	5.337791
Nbr1	29.343917	24.800677	21.13559	18.188149
Ncald	0	0.113356	0	0.248698
Ncam1	22.479145	24.050174	21.529022	21.977643
Ncam2	0	0	0	0
Ncan	0	0	0	0.040499
Ncapd2	7.083517	23.486427	25.744646	12.759796
Ncapd3	1.708777	5.844223	4.68819	3.018857
Ncapg	1.103926	5.805575	6.985046	3.531407
Ncapg2	1.569066	6.27677	6.932822	3.623827
Ncaph	4.531686	16.481827	14.692363	9.2944
Ncaph2	32.064867	35.677865	38.767025	31.268992
Ncbp1	18.717918	26.451708	21.604353	21.62759
Ncbp2	8.484406	26.811731	27.194607	32.32531
Nccrp1	0.839821	0.166279	0	0.075824
Ncdn	9.100153	10.430007	6.958429	8.357129

Nceh1	3.746895	9.265716	10.264055	8.4438
Ncf1	9.821388	30.991724	39.759625	48.125171
Ncf2	16.628136	25.033436	28.10552	38.994408
Ncf4	6.197339	27.16008	37.414307	39.845234
Nck1	9.942989	15.65409	18.629871	20.772732
Nck2	22.525871	22.839596	11.779945	23.208405
Nckap1	19.744781	27.102511	20.213041	20.899574
Nckap1l	9.550372	18.315001	16.933245	18.763113
Nckap5	0	0	0	0.071779
Nckap5l	5.407606	9.145416	4.753938	7.25378
Nckipsd	3.237998	5.445278	4.14777	4.504647
Ncl	118.219177	116.008339	92.764671	85.198853
Ncln	25.719942	45.210033	39.46233	41.072922
Ncmap	0.37748	0.275099	0.073351	0.115797
Ncoa1	4.740455	3.441082	3.035848	3.204195
Ncoa2	5.480204	4.058357	3.722851	3.314192
Ncoa3	10.582234	10.696005	8.73986	10.383929
Ncoa4	12.550471	9.811198	8.810029	11.100378
Ncoa5	13.208035	18.51512	12.512402	14.378942
Ncoa6	8.418776	8.955533	6.050222	5.763348
Ncoa7	0.824642	1.680845	1.494386	1.403637
Ncor1	27.307515	21.173215	17.453485	15.435223
Ncor2	17.420903	24.125267	16.982045	16.319494
Ncr1	0	0	0	0.116436
Ncs1	16.212835	22.711277	12.677827	14.238042
Ncstn	55.802044	77.639038	74.886848	50.643887
Nctc1	0	0.338195	0	0
Ndc1	4.851539	13.248464	13.116369	8.107796
Ndc80	4.857255	13.688	17.781742	11.25265
Nde1	17.102461	36.470181	36.369098	25.4431
Ndel1	38.743855	33.446911	27.31818	33.290916
Ndfip1	186.117462	177.036652	169.80983	181.450302
Ndfip2	21.039076	20.429371	28.777961	18.46842
Ndn	0.719551	1.764997	0.387333	3.153769
Ndnf	0	0	0.105128	0.037176
Ndnl2	18.589287	18.390495	16.663631	18.647858
Ndor1	8.937292	7.111289	6.6981	8.548951
Ndp	1.3286	3.015021	3.129061	2.534468
Ndrg1	137.879288	30.24386	36.121002	41.947582
Ndrg2	8.230076	14.497791	2.291712	10.257241
Ndrg3	13.693462	18.583205	13.651249	15.418117
Ndrg4	1.241918	1.750749	0.893516	2.015665
Ndst1	17.938854	20.548443	16.631113	16.281315
Ndst2	6.558928	10.31946	9.120555	7.821709
Ndst3	2.196038	4.04611	2.944337	4.61119
Ndst4	0	0	0	0
Ndufa1	101.093208	100.937553	153.503311	169.707047
Ndufa10	60.116451	80.071037	72.100502	56.809155
Ndufa11	28.855019	26.348278	34.011707	39.867023

Ndufa12	93.674194	121.362534	137.296616	121.657143
Ndufa13	83.000465	95.562912	96.828064	128.341309
Ndufa2	256.085876	144.126389	180.971054	268.644775
Ndufa3	96.166344	142.230942	191.771255	237.105011
Ndufa4	214.20903	363.675903	685.070496	488.223755
Ndufa4l2	49.994884	11.006257	10.253605	40.102875
Ndufa5	62.395542	86.932961	105.219032	116.513756
Ndufa6	368.729095	206.417664	300.364594	335.922241
Ndufa7	501.129222	458.959052	774.00789	731.010052
Ndufa8	119.67881	148.685318	183.451416	184.473557
Ndufa9	54.515347	69.071671	82.314545	61.80896
Ndufab1	19.755249	26.154533	29.522524	23.680061
Ndufaf1	6.857214	10.555642	9.194521	7.005199
Ndufaf2	18.844191	34.321583	47.699387	51.300045
Ndufaf3	4.615768	4.410158	5.164469	7.311172
Ndufaf4	2.063848	5.000494	4.752721	4.370934
Ndufaf5	5.24273	7.974091	10.768795	9.676435
Ndufaf6	7.049028	8.406291	17.334154	11.859362
Ndufaf7	6.253194	10.993539	12.373102	8.582581
Ndufb10	202.299698	158.620071	195.853699	196.340591
Ndufb11	177.487213	134.712067	177.837433	130.955139
Ndufb2	33.791233	82.94413	109.622032	113.661125
Ndufb3	86.967583	112.040779	144.406906	158.123886
Ndufb4	87.630981	125.587639	226.706772	217.051605
Ndufb5	74.526047	84.91481	129.814377	88.109627
Ndufb6	83.932159	103.221191	159.902512	138.652512
Ndufb7	133.449814	126.615135	164.729446	226.374725
Ndufb8	320.286499	363.657532	607.267578	553.834106
Ndufb9	424.268524	306.452057	464.278015	502.265503
Ndufc1	44.569237	84.534462	93.074181	86.236847
Ndufc2	74.797455	101.73735	146.371857	123.534813
Ndufs1	18.39908	29.221824	28.230364	20.325034
Ndufs2	139.812317	146.377289	152.325851	124.350037
Ndufs3	72.785957	67.118172	70.561775	66.954826
Ndufs4	31.836571	48.187405	91.806793	64.293625
Ndufs5	1.455973	0.966571	1.888703	2.232545
Ndufs6	126.597618	170.305291	241.679871	257.078751
Ndufs7	64.834473	68.504814	73.512802	72.37291
Ndufs8	93.057962	116.947924	147.714418	119.349588
Ndufv1	61.891357	64.195229	60.237736	59.133202
Ndufv2	82.258621	76.654887	131.860641	91.522507
Ndufv3	130.905193	120.120818	169.375003	169.886259
Neat1	275.440705	369.077499	559.363525	316.557111
Neb	0.015961	2.167588	0.009835	0.032048
Nebl	0	0.19933	0	0.40877
Necab1	0	0	0	0
Necab2	5.484231	10.909364	9.009762	7.561239
Necab3	0.27378	0.958073	0.906632	1.403958
Necap1	20.706594	21.521971	22.201412	20.194448

Necap2	28.426411	34.110615	33.52916	39.063702
Nedd1	5.150693	8.961491	8.519175	6.624024
Nedd4	127.772446	164.258591	117.243622	94.175064
Nedd4l	3.431788	2.978967	2.995667	2.318245
Nedd8	95.985847	114.165932	126.560211	148.202652
Nedd9	20.970926	21.857379	16.091215	20.29133
Nefh	0.036743	0.031886	0.059182	0.039936
Nefl	0	0.084532	0	0.201116
Nefm	0	0	0	0
Negr1	0	0	0	0
Neil1	5.177684	5.04496	5.627441	5.818884
Neil2	0.76117	0	0.256586	0.445989
Neil3	0.175958	4.691212	6.194897	2.308336
Nek1	1.856871	3.004706	2.770063	2.199246
Nek10	0	0	0	0
Nek11	0	0	0	0
Nek2	1.877221	9.266831	10.074986	6.770449
Nek3	3.216981	2.520106	2.893488	2.750919
Nek4	3.554223	4.43316	4.372392	3.314498
Nek5	0	0	0	0
Nek6	11.85588	23.8729	25.392282	22.72386
Nek7	35.514454	40.199436	39.025482	29.99547
Nek8	3.786728	3.589025	4.453102	3.005814
Nek9	24.082941	24.74568	23.545012	18.383112
Nelfa	14.329818	19.257433	16.224358	13.283259
Nelfb	26.104965	30.99124	23.056355	25.098069
Nelfcd	7.708332	15.742782	13.362777	11.361447
Nelfe	28.190157	28.022371	22.892964	25.890859
Nell1	0	0	0	0.041283
Nell1os	0	0	0	0
Nell2	0	0.080357	0	0
Nemf	13.82666	16.635151	16.192909	14.868734
Nenf	190.260956	121.260429	177.189255	192.236893
Neo1	15.395664	9.402274	11.925024	11.969015
Nepn	0.108731	0	0	0
Nes	62.396099	73.233223	58.671936	72.91526
Nespas	0	0	0.10193	0.190089
Net1	23.182038	36.64469	17.433352	21.256894
Neto1	0	0	0	0
Neto2	0.122174	0.646777	0.562365	0.892205
Neu1	14.224923	12.033621	14.093183	18.695274
Neu2	0.056482	0.535533	0	0.166504
Neu3	0.60436	0.632432	0.903184	0.866818
Neu4	0	0	0	0
Neurl1a	1.171916	3.707997	1.909196	3.313346
Neurl1b	0.183546	0.804145	0.860185	0.59244
Neurl2	8.36376	6.801616	7.361627	5.459553
Neurl3	3.511574	8.566798	6.518972	9.679129
Neurl4	8.168761	11.427491	9.694493	8.736953

Neurod1	0	0	0	0.045305
Neurod2	0	0	0	0
Neurod4	0	0	0	0
Neurod6	0	0	0	0
Neurog1	0	0	0	0
Neurog2	0	0	0	0.157086
Neurog3	0	0	0	0
Nexn	8.097462	14.944427	12.631177	7.586102
Nf1	7.633496	6.546581	5.047	4.945712
Nf2	15.684201	23.882735	17.439137	17.710192
Nfam1	1.871769	8.457206	7.651332	11.319179
Nfasc	0.409352	0.496181	0.140725	1.278542
Nfat5	8.045931	12.170937	9.058383	6.571265
Nfatc1	8.349795	9.355673	4.987052	7.26354
Nfatc2	0.511412	2.72736	1.406522	1.403762
Nfatc2ip	1.143221	2.763085	2.363453	2.795877
Nfatc3	8.824884	12.996593	7.979675	8.676063
Nfatc4	4.258994	4.616862	1.549616	5.438349
Nfe2	1.436353	3.718091	6.181796	10.195039
Nfe2l1	93.38541	87.243216	62.655285	65.435629
Nfe2l2	33.200432	36.155514	31.123072	48.236683
Nfe2l3	0.233746	0	0	0.085179
Nfia	1.674969	1.790696	1.473166	1.661309
Nfib	8.014869	9.224238	7.603318	7.793693
Nfic	15.760521	24.833103	18.396048	17.073267
Nfil3	41.480232	33.170586	37.899395	27.038708
Nfix	41.388393	46.05316	19.125628	30.970098
Nfkb1	18.105604	35.303356	24.721432	22.394272
Nfkb2	19.890629	37.573371	25.134719	23.929223
Nfkbia	329.581848	77.654129	117.038551	97.722054
Nfkbib	18.114038	14.560501	10.202216	15.543869
Nfkbid	0.633768	1.39356	2.302045	1.850861
Nfkbie	1.486474	10.258347	8.398287	6.95552
Nfkbil1	22.980553	9.070337	8.628596	10.611529
Nfkbiz	25.311773	19.273339	14.637528	12.411456
Nfrkb	9.170384	8.619884	7.74185	7.075246
Nfs1	17.275776	20.996302	16.484615	19.624086
Nfu1	41.369714	45.410856	51.647635	44.398086
Nfx1	26.556537	23.238263	20.071829	18.006332
Nfxl1	8.491399	11.805923	9.198425	5.816563
Nfya	11.133149	22.032824	14.08786	16.742478
Nfyb	12.644859	10.067864	9.918601	9.085263
Nfyc	10.300394	15.877231	11.035834	12.773
Ngb	0.415995	0.177569	0.151234	0.599448
Ngdn	74.966118	39.113705	47.294029	49.171719
Ngef	5.931437	11.603024	11.529138	14.442492
Ngf	17.405615	72.482808	64.324687	47.303147
Ngfr	0	0	0.05783	0.438762
Ngfrap1	110.713296	91.149727	119.894882	80.204039

Ngly1	3.767097	4.734204	5.389385	5.760714
Ngp	0	0	1.646201	0.346627
Ngrn	21.202455	27.696476	25.491394	28.386619
Nhej1	0.456101	3.746039	5.459672	4.200707
Nhlh1	0	0	0	0
Nhlh2	0	0	0	0
Nhlrc1	0.086407	0.090505	0.021465	0.303289
Nhlrc2	5.733706	6.684641	5.770664	6.301846
Nhlrc3	8.241241	8.32475	8.706964	6.189302
Nhlrc4	0	0	0	0.053137
Nhp2	121.721329	153.927002	191.402252	188.317032
Nhp2l1	65.455795	101.007355	110.052856	90.15432
Nhs	0	0	0	0.02157
Nhsl1	2.724306	4.564174	3.254731	3.033026
Nhsl2	0.186587	0.191858	0.301156	0.298145
Nicn1	8.471573	7.803566	9.37257	7.613253
Nid1	10.4714	8.22901	5.118022	10.317105
Nid2	3.909003	4.783348	4.047945	2.652774
Nif3l1	9.676477	15.855937	14.040234	10.889874
Nifk	30.864531	35.885731	33.460522	35.413776
Nim1k	0.123674	0.525871	0.619114	0.477776
Nin	5.790792	9.238152	9.52205	6.410648
Ninj1	48.07106	41.879089	56.889671	73.273712
Ninj2	0.237924	0	0	0
Ninl	8.877072	4.942572	5.305703	4.532841
Nip7	18.22344	28.388826	31.390633	33.261015
Nipa1	1.873507	6.240279	6.392858	5.27193
Nipa2	4.575596	9.381519	10.362466	7.407791
Nipal1	2.819344	2.791994	1.913464	2.562648
Nipal2	0.025991	0	0	0.060699
Nipal3	0.524239	1.312577	1.323438	1.607348
Nipal4	0.474036	0	0	0.227593
Nipbl	10.364794	9.531305	7.970665	6.724555
Nipsnap1	9.48669	21.282934	29.36116	12.726167
Nipsnap3a	0	0	0	0
Nipsnap3b	11.480873	21.188553	22.273729	25.450218
Nisch	100.273346	87.538254	73.607674	68.612747
Nit1	13.314393	16.654837	20.354809	18.361026
Nit2	37.793221	35.965736	59.079472	42.233803
Nkain1	18.820751	24.818195	18.277361	20.247839
Nkain2	0	0	0	0
Nkain3	0	0	0	0
Nkain4	0.856853	0	0	0.305491
Nkap	4.818839	5.126235	5.232435	4.870989
Nkapl	0.108985	0.02916	0.097017	0.19893
Nkd1	0.620595	0.14438	0.068487	1.051256
Nkd2	0.946619	2.860709	0.351101	6.407944
Nkg7	0	0	0	0
Nkiras1	1.826813	1.562142	1.105696	2.340396

Nkiras2	19.388741	17.070728	14.548965	16.782629
Nkpd1	0.857965	0.107472	0.071546	0.14618
Nkrf	1.240321	2.261658	1.670744	2.552768
Nktr	19.244257	19.025475	18.428738	17.153986
Nkx1-1	0	0	0	0
Nkx1-2	0	0	0	0
Nkx2-1	0	0	0	0
Nkx2-2	0	0	0	0
Nkx2-2os	0	0	0	0
Nkx2-3	0	0	0.091707	0
Nkx2-4	0	0	0	0
Nkx2-5	0	0	0	0
Nkx2-6	0	0	0	0
Nkx2-9	0	0	0	0
Nkx3-1	0	0	0	0
Nkx3-2	0	0	0	0
Nkx6-1	0	0	0	0
Nkx6-2	0	0	0	0
Nkx6-3	0	0	0	0
Nle1	14.864572	19.26193	13.906981	11.702827
Nlgn1	0	0	0	0
Nlgn2	36.480469	27.227331	19.835205	24.691423
Nlgn3	0.751927	0.207609	0.075243	0.175391
Nlk	3.512807	7.180938	5.461338	5.733843
Nln	8.541188	11.424582	11.74275	9.94455
Nlrc3	1.289488	2.740941	3.307771	1.860863
Nlrc4	0.077469	0.715622	0.944635	1.127032
Nlrc5	0.205399	0.798765	0.410146	0.977435
Nlrp10	0.132645	0.12228	0.054774	0.109708
Nlrp12	0	0	0	0.120315
Nlrp14	0	0	0	0
Nlrp1a	0	0.141018	0.076571	0.238357
Nlrp1b	0	0.933728	0.93755	1.275419
Nlrp1c-ps	0	0.109805	0.042732	0.05037
Nlrp2	0	0	0	0
Nlrp3	1.932626	3.280205	2.371837	4.093779
Nlrp4a	0	0	0	0
Nlrp4b	0	0	0	0
Nlrp4c	0	0	0	0
Nlrp4e	0	0	0	0
Nlrp4f	0	0	0	0
Nlrp4g	0	0	0	0
Nlrp5	0	0	0	0
Nlrp5-ps	0.100559	0	0.012565	0.043642
Nlrp6	0	0.019129	0	0.297282
Nlrp9a	0	0	0	0
Nlrp9b	0	0	0	0
Nlrp9c	0	0	0	0
Nlrx1	1.516066	1.778057	1.917484	3.173055

Nmb	1.59727	1.41291	1.237461	3.257807
Nmbr	0	0	0	0
Nmd3	33.380543	44.894794	47.138042	40.226891
Nme1	100.992081	185.127762	225.082031	221.311569
Nme2	859.156464	944.868072	1626.210388	1163.330032
Nme3	12.36155	16.289843	23.58424	29.359304
Nme4	37.876316	45.42915	61.735443	36.833855
Nme5	0	0.867342	0	0.418229
Nme6	9.963694	13.839382	15.118467	14.548015
Nme7	2.259598	10.226542	10.895241	5.308029
Nme8	0	0	0	0
Nme9	0	0	0	0
Nmi	3.018717	6.94479	9.768112	7.511831
Nmnat1	3.006229	7.6615	8.509097	6.059057
Nmnat2	0.389013	1.554636	0.87662	1.146237
Nmnat3	2.693667	2.564586	4.802598	3.642755
Nmral1	5.458826	17.101162	17.513378	11.668427
Nmrk1	5.595725	7.670794	6.473238	8.266365
Nmrk2	0	0.125442	0	0
Nms	0	0	0	0
Nmt1	100.2826	67.196655	61.050396	77.005173
Nmt2	12.633513	8.748286	6.920428	9.226787
Nmu	0	0	0	0
Nmur1	0	0	0	0
Nmur2	0	0	0	0
Nnat	2.338004	2.477016	2.159892	2.983494
Nnmt	3.999656	2.794786	1.283522	4.947675
Nnt	7.200534	22.466298	25.11899	13.754418
Noa1	10.234742	20.798412	20.413723	16.056551
Nob1	59.312168	44.216648	37.206917	34.37302
Nobox	0	0	0	0
Noc2l	71.830818	64.95636	48.88974	46.193211
Noc3l	7.154426	9.99816	7.100052	7.389706
Noc4l	20.282133	24.520348	19.404032	16.487829
Nod1	1.462062	1.892706	1.364461	4.320039
Nod2	0.08579	0.94331	0.875221	1.397595
Nodal	0	0	0.108172	0
Nog	0.077348	0.682864	0.02562	0.088183
Nol10	13.687013	22.842787	17.878662	15.712904
Nol11	12.00382	20.052715	11.496388	13.381898
Nol12	13.13422	19.578566	16.364525	20.687456
Nol3	0.622263	1.060646	0.288803	1.340384
Nol4	0.216562	0.64291	0.758671	0.17316
Nol4l	1.222336	1.163168	0.739549	2.235807
Nol6	19.714376	16.847355	11.954972	12.391379
Nol7	20.754927	25.738739	29.471495	26.256599
Nol8	4.381006	6.145413	3.905429	4.937888
Nol9	12.443143	18.638665	12.281856	11.551064
Nolc1	37.090452	46.80857	29.111783	29.072591

Nom1	10.877202	13.665495	10.601868	11.512306
Nomo1	17.327711	44.621426	34.477993	31.019659
Nono	99.141217	122.382753	94.679262	79.04662
Nop10	86.139671	144.874283	182.103989	150.041702
Nop14	28.245512	29.679024	23.584557	22.878777
Nop16	24.330511	40.85302	43.99012	39.816685
Nop2	28.355391	51.662106	31.770582	35.00169
Nop56	81.315971	177.859589	165.026382	122.883583
Nop58	52.54047	83.535522	76.235283	65.431107
Nop9	5.736099	9.292368	7.754333	9.457192
Nos1	0	0.073559	0	0.011575
Nos1ap	0.14979	0	0.065589	0.251853
Nos2	14.529765	3.395045	5.607232	7.308115
Nos3	1.020169	2.277075	0.978707	1.622294
Nosip	17.554039	17.663587	15.658047	15.009996
Nostrin	0.356505	1.440435	1.809802	1.991803
Notch1	2.602155	7.901029	4.119564	7.260104
Notch2	22.629965	35.309631	33.79763	20.175198
Notch3	0.38913	0.931871	0.963206	0.791829
Notch4	3.250025	2.978722	2.501858	2.188021
Noto	0	0	0	0
Notum	27.334551	3.467141	5.950723	12.852456
Nov	1.164995	4.280557	1.842803	11.543216
Nova1	0	0.07225	0.034798	0.024765
Nova2	0.206772	0.347661	0.15269	0.369022
Nox1	0	0	0.060149	0
Nox3	0	0	0	0
Nox4	0.498107	0.809632	0.695469	0.333879
Noxa1	0	0	0	0
Noxo1	1.770312	0.789135	1.01887	0.741222
Noxred1	0	0.180292	0	0
Npas1	0	0.152794	0.275518	0.168865
Npas2	0.071131	0.090812	0.046964	0.428058
Npas3	0	0.122112	0.042215	0.068058
Npas4	0.060286	0.15278	0	0.228371
Npat	3.141736	3.922293	3.73086	2.582442
Npb	1.458412	1.677534	0.489339	1.086859
Npbwr1	0	0	0	0
Npc1	12.397927	14.799127	13.793224	14.597475
Npc1l1	0.420197	0	0.064636	0.08584
Npc2	400.127563	238.70723	263.245667	373.901093
Npcd	0	0	2.467888	0
Npdc1	45.920208	57.087502	42.525398	44.97419
Npepl1	38.692429	43.672474	43.077324	33.89283
Npepps	62.068024	30.601549	30.579473	31.969007
Npff	4.743749	2.829152	1.571283	5.546873
Npffr1	0	0	0	0
Npffr2	0	0	0	0
Nphp1	6.796395	9.436491	10.565715	8.986009

Nphp3	1.589689	1.744568	2.066551	1.777659
Nphp4	0	0	0.019587	0.1767
Nphs1	0	0	0	0
Nphs1os	0	0	0	0
Nphs2	0	0	0	0
Npl	8.040281	22.941397	25.145971	28.684898
Nploc4	10.84762	22.897974	7.597809	9.429254
Npm1	1002.673935	1080.797027	1401.481964	731.119995
Npm2	1.751738	0.527256	0.665212	1.239776
Npm3	95.125214	142.489105	184.587357	165.657425
Npm3-ps1	11.653776	18.832197	27.358786	22.744032
Npnt	16.281577	27.748263	22.564055	33.903642
Nppa	0.298879	0.459668	0	0.184723
Nppb	0	0.43461	0	1.537943
Nppc	0.188959	0	0	0.610514
Npr1	2.177453	0.541224	1.019159	1.039171
Npr2	13.113242	6.50931	7.630686	7.117187
Npr3	2.852258	5.227684	2.263234	3.826908
Nprl2	9.498903	12.671994	14.054747	14.061505
Nprl3	7.289979	11.941753	11.188893	7.991159
Nps	0	0	0	0
Npsr1	0	0	0	0
Nptn	35.331631	62.162125	56.717167	58.841446
Nptx1	32.538452	105.021919	78.42453	29.93573
Nptx2	0.232587	0.132171	0	0.159272
Nptxr	5.261477	6.27376	2.839735	3.429039
Npvf	0	0	0	0
Npw	0	0	0	0
Npy	1.363876	0	0	0.958513
Npy1r	0	0.16932	0	0.057651
Npy2r	0	0	0	0
Npy4r	0	0	0	0.486795
Npy5r	0	0.073343	0.04256	0
Npy6r	0	0	0	0
Nqo1	7.898868	5.078153	6.177381	8.300344
Nqo2	2.448902	7.061714	7.359423	6.23587
Nr0b1	0	0	0	0
Nr0b2	0	0	0	0.311502
Nr1d1	42.251339	11.507798	6.920708	10.298333
Nr1d2	7.562068	11.799722	7.442519	8.581154
Nr1h2	44.887368	29.483422	23.558959	27.557784
Nr1h3	0.407051	1.364667	0.981646	2.979656
Nr1h4	0.181103	0	0	1.20776
Nr1h5	0	0	0	0.081622
Nr1i2	0	0	0	0.664883
Nr1i3	0	0.099016	0	1.140176
Nr2c1	5.340854	4.25212	3.97558	4.554285
Nr2c2	4.369439	7.514576	6.897636	2.62123
Nr2c2ap	22.313418	28.116488	26.272535	25.516302

Nr2e1	0	0	0	0
Nr2e3	0	0	0	0
Nr2f1	24.096912	19.207487	17.27915	18.576483
Nr2f2	13.503042	16.409001	8.524662	13.984944
Nr2f6	18.698324	26.264292	20.243761	29.280731
Nr3c1	13.170704	9.442361	8.663054	9.775684
Nr3c2	0	0.051907	0	0.071009
Nr4a1	9.303217	13.977746	6.286276	8.568655
Nr4a2	1.386737	3.193091	1.673831	0.787253
Nr4a3	0	0.462915	0.026526	0.247641
Nr5a1	0	0	0	0
Nr5a2	0.052751	0	0	0.400686
Nr6a1	3.458436	2.279728	1.820989	1.849303
Nradd	49.734688	50.934986	51.635662	43.521183
Nrap	0	4.133068	0.184963	0.133346
Nrarp	0.13471	2.354483	1.525254	2.359
Nras	31.122478	38.44759	33.619923	28.812481
Nrbf2	11.228895	10.247528	8.486745	8.790961
Nrbp1	64.200348	48.517464	42.240986	50.182629
Nrbp2	11.223976	6.884483	6.707882	4.939884
Nrcam	0.230363	0.218009	0.624736	1.217742
Nrd1	22.996399	31.905577	24.792433	31.576681
Nrde2	8.038909	8.267651	7.502621	5.181417
Nrep	13.07233	11.253626	5.840077	22.08271
Nrf1	12.114065	15.945805	8.974739	11.033199
Nrg1	1.963002	4.793718	4.477629	2.454762
Nrg2	0	0	0	0
Nrg3	0	0	0	0
Nrg3os	0	0	0	0
Nrg4	1.331718	0.417833	0.814773	1.338415
Nrgn	1.529932	0.454587	0.491022	0.529707
Nrip1	12.85498	13.148154	9.544223	9.307948
Nrip2	1.576596	0.492317	0.439783	0.374685
Nrip3	0	0	0	0
Nrk	0	0	0	0
Nrl	0	0	0	0
Nrm	11.617251	14.457097	15.208009	11.396153
Nrn1	71.949898	27.3862	26.786095	57.166348
Nrn1l	1.033382	0	0.766528	0.188147
Nron	0	0	0	0
Nrp	9.063625	2.891572	4.390691	6.914438
Nrp1	2.845181	15.120408	9.210145	11.039197
Nrp2	28.253452	80.230212	64.466662	47.987316
Nrros	1.873628	15.619444	11.495384	16.697039
Nrsn1	0	0	0	0
Nrsn2	0	0	0	0
Nrtn	1.204542	0.279507	0.383153	1.278504
Nrxn1	0	0	0	0
Nrxn2	0.115379	0	0.073148	0.119072

Nrxn3	0.043047	0	0	0
Nsa2	83.984398	48.354458	56.946526	57.941723
Nsd1	6.331387	7.942538	6.806017	7.628219
Nsdhl	3.150812	10.60223	11.270411	4.380726
Nsf	6.989091	13.945799	10.257473	10.515115
Nsfl1c	51.968028	51.295092	41.790783	43.885165
Nsg1	0.739762	1.438086	0	0.486768
Nsg2	0	0	0	0
Nsl1	0.970582	5.84199	6.996988	5.405935
Nsmaf	3.621958	8.87544	7.987147	5.524368
Nsmce1	38.312603	47.753242	70.392097	67.103729
Nsmce2	21.240697	28.612854	39.165058	32.304048
Nsmce4a	36.155556	39.557255	48.851089	40.294605
Nsmf	19.130043	22.192537	15.244035	19.716748
Nsun2	35.385635	47.610237	39.296333	32.164597
Nsun3	1.497935	2.51416	2.298877	1.255701
Nsun4	2.012089	4.230393	4.66659	3.042962
Nsun5	11.338496	8.965934	11.01539	7.840501
Nsun6	2.17541	2.205797	1.862049	1.97501
Nsun7	0	0	0	0.17584
Nt5c	55.893497	69.277878	85.165077	89.88723
Nt5c1a	0	0	0	0
Nt5c1b	0	0	0	0
Nt5c2	5.616297	6.244894	6.648003	8.009681
Nt5c3	16.104974	19.046691	25.039054	21.698742
Nt5c3b	29.20465	57.460165	59.775579	45.010029
Nt5dc1	1.424348	2.935232	4.122582	2.468479
Nt5dc2	36.222824	65.359177	76.955963	50.590004
Nt5dc3	7.18619	8.23579	6.276867	5.290497
Nt5e	16.125502	31.032761	28.774918	32.398979
Nt5m	13.563022	15.746526	16.114317	18.09713
Ntan1	78.79995	73.517265	88.144966	58.7034
Ntf3	0	0	0	0.162586
Ntf5	0.150455	0.3026	0	0.702552
Nthl1	8.941983	10.286629	13.758531	9.976286
Ntm	0	0	0	0
Ntmt1	29.002834	29.552347	26.286312	30.397463
Ntn1	7.624509	23.646608	20.864473	11.534886
Ntn3	0.030346	0.103698	0.25298	0.431934
Ntn4	0.657708	2.003496	1.152448	2.040865
Ntn5	0.57545	0	0.352734	1.266911
Ntng1	0	0	0	0
Ntng2	0.663246	0.852876	0.684852	0.963067
Ntpcr	20.616253	30.476744	28.186785	27.026575
Ntrk1	1.047261	0	0.154245	0.883909
Ntrk2	0.020959	0.03573	0	0.591429
Ntrk3	0	0	0	0
Nts	0	0	0.375573	2.969719
Ntsr1	0	0	0	0

Ntsr2	0	0	0	0
Nuak1	3.142722	5.931915	3.429068	4.209789
Nuak2	4.604492	14.520993	6.270014	13.853554
Nub1	41.173078	24.603584	21.904276	23.456884
Nubp1	5.849647	26.232515	24.409332	19.962135
Nubp2	8.610957	22.955868	21.410664	21.258736
Nubpl	4.923572	5.482197	8.415277	6.564295
Nucb1	40.635671	54.831261	51.159977	46.657078
Nucb2	27.627308	19.326508	26.759096	22.343529
Nucks1	11.764692	14.773118	21.439388	13.670609
Nudc	104.417686	110.283913	72.169418	82.350258
Nudcd1	1.434309	4.711951	5.079924	4.128831
Nudcd2	20.991097	45.723223	63.561611	52.025613
Nudcd3	24.86673	25.298937	19.193871	20.705729
Nudt1	8.209036	16.079872	20.419012	18.746113
Nudt10	0	0	0	0
Nudt11	0	0	0	0
Nudt12	0.964713	1.56345	2.448073	0.812859
Nudt13	2.969245	4.778889	6.886415	3.948694
Nudt14	18.303595	17.468044	27.978628	27.654871
Nudt15	0	0.2714	0.176931	0.078376
Nudt16	8.101049	4.771028	9.706097	9.948079
Nudt16l1	23.763618	25.799065	32.650417	35.649456
Nudt17	1.098823	1.220408	1.416136	0.68879
Nudt18	2.344	2.278246	1.754472	3.780208
Nudt19	4.942011	10.63443	16.522741	11.989377
Nudt2	22.99283	35.496773	49.62352	37.247196
Nudt21	35.759102	38.252129	43.291336	32.385483
Nudt22	5.1842	9.475627	9.923944	9.35665
Nudt3	45.42514	50.038167	40.002756	53.658223
Nudt4	70.887268	98.997246	74.93454	78.003082
Nudt5	9.629228	27.487572	30.407705	22.867579
Nudt6	5.230119	9.253633	13.346423	11.218482
Nudt7	1.783131	7.156342	9.832911	9.228579
Nudt8	24.236576	23.542053	33.191246	23.560957
Nudt9	79.764519	58.32938	52.672245	64.781578
Nuf2	1.282433	13.798804	19.208746	8.895471
Nufip1	17.427841	9.728803	10.565061	7.97913
Nufip2	6.528184	9.010272	7.15281	8.665248
Nuggc	0.147543	0.081036	0.133563	0.089877
Numa1	26.750996	25.346012	22.621315	19.610718
Numb	3.614112	11.184928	6.86007	9.336001
Numbl	26.005821	13.59295	10.138326	12.551627
Nup107	11.675042	20.226965	16.131527	12.359797
Nup133	7.527434	8.983883	9.044907	7.450624
Nup153	9.524411	14.901596	10.428489	8.57175
Nup155	10.295672	16.536816	17.185631	11.089863
Nup160	3.412182	7.16612	6.31492	4.788475
Nup188	12.595793	22.198126	15.58427	12.018481

Nup205	9.052088	17.690428	15.933591	11.023756
Nup210	0.38308	2.824625	3.39706	1.301939
Nup210l	0.120956	0.630843	0.81304	0.387442
Nup214	6.538168	7.647094	5.200625	5.026973
Nup35	3.154372	8.441243	9.929473	8.394469
Nup37	15.420723	27.079955	42.699364	22.266115
Nup43	16.138016	25.072691	32.738811	18.642853
Nup50	16.352915	17.695438	13.127974	13.0605
Nup54	15.431352	18.527126	20.108063	12.76007
Nup62	30.933416	29.227446	22.008636	22.222723
Nup62-il4i1	1.147638	1.134792	0.871629	1.093024
Nup62cl	0	0	0	0
Nup85	29.86257	51.530346	44.317642	34.315189
Nup88	29.429634	35.398939	39.151784	26.546809
Nup93	14.895815	30.688437	24.375597	24.754045
Nup98	10.928507	13.765282	9.312718	8.783148
Nupl1	7.454305	20.875666	19.000027	13.70583
Nupl2	1.56994	2.624781	3.816679	2.856848
Nupr1	88.842896	101.447792	74.532402	161.127365
Nupr1l	1.004761	0	0	0.457199
Nus1	18.236094	14.07201	14.155689	14.776597
Nusap1	2.782013	13.358131	17.587549	6.44067
Nutf2	4.71665	8.385541	7.343251	8.205036
Nutf2-ps1	39.227505	85.636971	93.371902	77.614067
Nutm1	0	0	0.039594	0
Nutm2	0	0	0	0
Nvl	9.877477	15.86468	12.594535	11.047072
Nwd1	0	0	0	0
Nwd2	0	0	0.017306	0
Nxf1	48.917912	52.613013	57.128016	53.160101
Nxf2	0	0	0	0
Nxf3	0	0	0	0
Nxf7	0	0	0	0
Nxn	17.736086	28.072386	23.446663	29.195984
Nxnl1	0.034249	0.091639	0.112971	0.24756
Nxnl2	0.586299	0	0	0.346696
Nxpe2	0	0.088183	0.043861	0.167709
Nxpe3	1.473627	2.695158	2.198089	1.965916
Nxpe4	0	0.557338	0.41115	0.255613
Nxpe5	0.341221	3.556871	4.21523	2.799119
Nxph1	0	0	0	0
Nxph2	0	0	0	0
Nxph3	1.454031	0.240558	0.2795	0.79129
Nxph4	12.83458	5.52039	5.402195	4.854154
Nxt1	26.584698	32.796285	37.943709	35.018217
Nxt2	2.45968	3.032031	2.782492	3.909725
Nyap1	12.843605	6.044662	6.879177	5.108784
Nyap2	0	0	0	0
Nynrin	0.650966	0.59754	0.318315	0.920174

Nyx	0	0	0	0
Oacyl	0	0.086564	0.028704	0.101053
Oaf	54.489258	104.069633	100.488091	140.393036
Oard1	13.247317	19.018049	26.478226	16.056683
Oas1a	0.50989	3.553713	1.951937	6.539506
Oas1b	0.424416	0.431448	0.427102	1.12274
Oas1c	0.34568	0.222724	0.257625	0.603285
Oas1d	0	0	0	0
Oas1e	0	0	0	0
Oas1f	0	0	0	0
Oas1g	0	0.687665	0.393069	3.744873
Oas1h	0	0	0	0
Oas2	0	0.756841	0.063719	1.657597
Oas3	0	0.186334	0	0.373819
Oasl1	0.546869	0.715404	0.486545	2.605218
Oasl2	1.649258	2.362268	1.555994	4.665182
Oat	43.746407	42.611397	31.876406	43.800125
Oaz1	4.702005	2.195467	2.47647	4.656237
Oaz1-ps	369.898468	309.81842	414.853363	406.89679
Oaz2	33.275933	31.592483	29.375436	35.671108
Oaz3	0	0.436361	0	0.325228
Obfc1	11.202365	16.775305	12.997377	15.838553
Obox1	0	0	0	0
Obox2	0	0	0	0
Obox3	0	0	0	0
Obox5	0	0	0	0
Obox6	0	0	0	0
Obox7	0	0	0	0
Obp1a	0	0	0	0
Obp2a	0	0	0	0
Obp2b	0	0	0	0
Obscn	0	0.890657	0	0
Obsl1	5.484717	6.299834	3.307287	3.790956
Oc90	0	0	0	0
Oca2	0	0	0	0
Ocel1	6.87853	6.326779	8.074806	9.139643
Ociad1	92.78171	103.47901	121.184296	108.399701
Ociad2	6.628688	13.140531	16.112658	13.458174
Ocln	0	0	0	0.300884
Ocm	0	0	0	0
Ocrl	5.037383	8.211173	6.75748	5.416976
Ocstamp	0	0	0.499803	0.73751
Odam	0	0	0	0
Odc1	48.490833	105.843582	102.925865	78.428558
Odf1	0	0	0	0
Odf2	22.120044	17.40404	14.523864	14.424525
Odf2l	5.808026	8.336233	11.339955	6.678562
Odf3	0	0	0	0
Odf3b	0	0	0	0

Odf3l1	5.932113	5.4171	7.253343	7.264729
Odf3l2	0	0	0	0.093018
Odf4	0	0	0.133086	0
Ofcc1	0	0	0	0
Ofd1	4.32329	4.381548	4.582043	3.375627
Ogdh	11.607735	20.73314	15.676809	16.227894
Ogdhl	2.178795	4.393497	5.055263	3.566294
Ogfod1	1.900557	6.42356	3.654342	4.412939
Ogfod2	10.002603	6.100832	7.905412	8.909482
Ogfod3	6.875244	8.140106	10.012108	6.55706
Ogfr	44.471516	35.125286	24.01774	34.922096
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Ogg1	5.382125	11.593542	12.510551	10.084146
Ogn	8.215328	9.447927	14.974425	3.668425
Ogt	38.763575	44.520816	51.78932	46.642896
Oip5	1.882541	11.559969	22.265266	9.98007
Oit1	0	0	0	0.136099
Oit3	0.342768	0.109353	0.541491	0.488965
Ola1	54.485169	51.496063	52.261964	45.000142
Olah	0	0	0	0
Olfm1	2.341689	14.241998	12.099142	19.449787
Olfm2	0.421996	0.194755	0.258318	1.461377
Olfm3	0	0	0	0
Olfm4	0	0	0	0.104289
Olfml1	0	0.365173	0	0.079002
Olfml2a	0.164563	0.22826	0	0
Olfml2b	5.448041	23.757854	14.492316	26.567272
Olfml3	22.455809	37.770443	15.377291	60.324924
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Olfr1000	0	0	0	0
Olfr1002	0	0	0	0
Olfr1006	0	0	0	0
Olfr1008	0	0	0	0
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Olfr101	0	0	0.052411	0
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Olfr922	0	0	0	0
Olfr923	0	0	0	0
Olfr924	0	0	0	0
Olfr926	0	0	0	0
Olfr93	0	0	0	0
Olfr930	0	0	0	0
Olfr933	0	0	0	0
Olfr934	0	0	0	0
Olfr935	0	0	0	0
Olfr936	0	0	0	0
Olfr937	0	0	0	0
Olfr938	0	0	0	0
Olfr94	0	0	0	0
Olfr943	0	0	0	0
Olfr944	0	0	0	0
Olfr945	0	0	0	0
Olfr947-ps1	0	0	0	0
Olfr948	0	0	0	0
Olfr95	0	0	0	0
Olfr951	0	0	0	0
Olfr952	0	0	0	0
Olfr954	0	0	0	0
Olfr955	0	0	0	0
Olfr957	0	0	0	0
Olfr958	0	0	0	0
Olfr959	0	0	0	0
Olfr96	0	0	0	0
Olfr960	0	0	0	0
Olfr961	0	0	0	0
Olfr963	0	0	0	0
Olfr965	0	0	0	0
Olfr967	0	0	0	0
Olfr968	0	0	0	0
Olfr969	0	0	0	0

Olfr97	0	0	0.052778	0
Olfr970	0	0	0	0
Olfr971	0	0	0	0
Olfr972	0	0	0	0
Olfr974	0	0	0	0
Olfr975	0	0	0	0
Olfr976	0	0	0	0
Olfr978	0	0	0	0
Olfr979	0	0	0	0
Olfr98	0	0	0	0.03079
Olfr980	0	0	0	0
Olfr981	0	0	0	0
Olfr982	0	0	0	0
Olfr983	0	0	0	0
Olfr984	0	0	0	0
Olfr985	0	0	0	0
Olfr986	0	0	0	0
Olfr987	0	0	0	0
Olfr988	0	0	0	0
Olfr99	0.107961	0.413504	1.064224	0.977927
Olfr992	0	0	0	0
Olfr993	0	0	0	0
Olfr994	0	0	0	0
Olfr995	0	0	0	0
Olfr996	0	0	0	0
Olfr998	0	0	0	0
Olig1	0	0	0	0
Olig2	0	0	0	0
Olig3	0	0	0	0
Olr1	0.886949	1.276629	1.799325	5.585863
Oma1	3.202327	8.990694	9.09786	7.157223
Omd	1.527806	0.97832	1.301491	1.591144
Omg	0	0	0.044242	0
Omp	0.04681	0.261059	0.210576	0.554964
Omt2a	0	0	0	0
Omt2b	0	0	0	0
Onecut1	0.108368	0	0	0.192735
Onecut2	0.864105	0.206119	0.212299	1.289698
Onecut3	0	0	0	0.08665
Ooep	0	0	0	0
Oog1	0	0	0	0
Oog2	0	0	0	0
Oog3	0	0	0	0
Oog4	0	0	0	0
Oosp1	0	0	0	0
Oosp2	0	0	0	0
Oosp3	0	0	0	0
Opa1	7.491352	11.791959	12.061261	8.654533
Opa3	4.121621	9.221446	5.689972	7.438106

Opalin	0	0	0	0
Opcml	0	0	0	0
Ophn1	0.63871	1.617221	2.75891	1.603424
Oplah	1.399671	0.80017	0.121366	1.659667
Opn1mw	0	0	0	0
Opn1sw	0	0.102111	0.245188	0.371826
Opn3	0.084038	1.466256	0.722622	0.687289
Opn4	0	0	0	0
Opn5	0	0	0	0
Oprd1	0	0	0	0
Oprk1	0	0	0	0
Oprl1	0.063166	0	0	0
Oprm1	0	0	0	0
Optc	0	0.155266	0.260401	0
Optn	6.751252	5.213135	3.549266	8.644837
Orai1	4.140904	11.095743	6.571893	13.022054
Orai2	4.504808	8.556946	5.763942	8.276362
Orai3	8.90651	14.566375	14.637352	16.640249
Oraov1	5.067898	7.667075	7.486903	8.783237
Orc1	1.088371	4.398424	4.678365	2.788458
Orc2	6.11257	17.152643	13.644348	11.537623
Orc3	4.834894	6.413589	6.597303	5.444014
Orc4	4.695977	6.061958	6.254006	5.36824
Orc5	6.206427	7.77902	11.238807	8.882498
Orc6	16.976652	34.438305	41.323821	40.485816
Orm1	5.058656	2.70852	0.121822	118.219437
Orm2	1.02476	0.765253	0	48.6119
Orm3	0	0.362024	0	2.312424
Ormdl1	6.283127	14.001814	16.096687	12.88356
Ormdl2	6.891181	10.032327	16.853891	8.709936
Ormdl3	38.659283	24.923735	20.022087	32.995457
Os9	39.288476	27.52543	35.902794	23.175496
Osbp	14.15202	16.400997	12.677703	13.400115
Osbp2	0.144982	0.573864	0.036057	0.700997
Osbpl10	0.499071	1.34237	0.759424	1.766972
Osbpl11	8.535173	11.085361	6.358704	7.190987
Osbpl1a	3.989094	6.545796	6.787524	5.372079
Osbpl2	12.361045	12.626114	10.903161	12.499999
Osbpl3	6.657467	13.554958	12.662091	7.874689
Osbpl5	7.937437	7.310725	5.135132	6.632093
Osbpl6	1.160231	1.23685	0.511175	2.154521
Osbpl7	4.235007	4.221912	3.733036	3.991066
Osbpl8	4.799184	4.334873	3.564455	4.504022
Osbpl9	32.8858	27.545949	31.258459	33.487057
Oscar	0	0	0.268395	0
Oscp1	1.802081	2.671648	3.501386	2.42962
Oser1	27.523401	16.113714	16.042368	18.304083
Osgep	16.127914	24.10034	27.000931	24.631081
Osgepl1	3.318641	2.230545	5.388011	2.681475

Osgin1	4.868659	4.81294	2.991507	8.475528
Osgin2	2.782422	3.62555	2.607132	3.56841
Osm	7.469939	18.85824	8.364483	5.875555
Osmr	8.777165	8.708054	6.310286	13.883657
Osr1	41.380901	43.957462	49.676044	18.209034
Osr2	0	0	0	0
Ost4	152.289112	155.503777	210.905033	249.730072
Ostc	70.595566	148.047531	190.425186	220.438507
Ostf1	139.145859	108.286713	128.610962	162.545425
Ostm1	3.535678	8.990376	9.040159	9.483945
Ostn	0	0	0	0
Otc	0	0	0	0.302047
Otoa	0	0	0	0
Otof	0	0	0	0
Otog	0	0	0	0
Otogl	0	0	0	0
Otol1	0	0	0	0
Otop1	0	0	0.031047	0.036596
Otop2	0	0	0	0
Otop3	0	0	0	0
Otor	0	0	0	0
Otos	0	0	0	0.286919
Otp	0	0	0	0
Ott	0	0	0	0
OTTMUSG0000001660	0	0	0.017843	0.097295
Otub1	84.539375	82.407196	74.283012	69.023666
Otub2	3.96051	7.664637	5.600929	5.739129
Otud1	3.333657	4.07679	2.940101	2.418433
Otud3	5.111892	4.230303	2.714689	4.08041
Otud4	16.924061	10.546781	17.374931	14.829199
Otud5	24.485422	26.030745	20.456126	20.475089
Otud6a	0.105958	0.054433	0.394837	0.066487
Otud6b	5.383621	9.960999	7.583537	7.665671
Otud7a	0	0	0	0
Otud7b	12.22635	11.60411	11.425911	10.46952
Otulin	20.570032	19.555815	15.77943	19.229788
Otx1	0.328607	0.360858	0.327465	0.225187
Otx2	0	0	0	0
Otx2os1	0	0	0	0
Ovca2	3.303362	6.493773	6.547794	12.00177
Ovch2	0	0	0	0
Ovgp1	4.058992	2.553322	2.696153	1.854725
Ovol1	0.392104	0.275996	0.351765	0.313034
Ovol2	0	0	0	0
Ovol3	0	0	0	0
Oxa1l	24.584663	21.436125	24.269226	19.935934
Oxct1	7.957512	24.442665	33.338303	24.428312
Oxct2a	0	0	0	0
Oxct2b	0	0	0	0.033111

Oxgr1	0	0	0	0
Oxld1	8.09752	8.399858	13.292456	10.579648
Oxnad1	5.31622	9.492916	9.136086	8.229651
Oxr1	11.675163	13.730767	17.129737	16.061191
Oxsm	0.909374	3.053397	3.426891	1.877848
Oxsr1	17.437472	19.22143	20.024019	13.655375
Oxt	0	0	0	0
Oxtr	0	0	0	0
P2rx1	0.144	0	0.100595	0.16645
P2rx2	0	0	0	0
P2rx3	0.107667	0.151083	0.093391	0.245102
P2rx4	14.335654	22.163465	21.80361	35.371769
P2rx5	0.086633	0.477963	0.214644	0.176904
P2rx6	0	0.108031	0.04198	0
P2rx7	6.285502	8.128764	9.90926	8.957134
P2ry1	0	0.106788	0.113327	0.17864
P2ry10	0	0.336489	0.043314	0.030798
P2ry12	0.233146	2.539195	3.525136	1.76265
P2ry13	0.607886	2.38851	2.621032	3.712995
P2ry14	0.292255	0.802342	1.612833	7.015805
P2ry2	3.879962	2.527035	2.671722	3.638743
P2ry4	0	0	0	0
P2ry6	2.607045	20.241001	15.192613	21.226635
P3h1	11.805059	19.523325	14.858804	20.979011
P3h2	0.387093	0.427668	0.26198	1.13985
P3h3	15.203005	22.732843	19.273767	21.810883
P3h4	23.273565	35.016308	30.82093	35.889858
P4ha1	103.24781	79.836617	91.194687	80.137192
P4ha2	126.807431	62.705101	56.482424	80.828335
P4ha3	7.903625	16.585514	14.401721	10.3116
P4hb	949.682739	578.393066	757.399109	702.376099
P4htm	0.731175	0.187218	0.244849	0.954881
Pa2g4	55.486275	78.564842	73.938324	54.781548
Pabpc1	549.473328	703.611267	562.664429	567.003601
Pabpc1l	0.34419	0.262905	0.573905	0.182355
Pabpc2	0	0.031939	0	0
Pabpc4	84.523205	69.500494	45.399113	44.590639
Pabpc4l	0.018867	0	0	0.075048
Pabpc5	0	0	0	0
Pabpc6	0	0.006613	0	0
Pabpn1	106.819427	132.111023	126.782204	126.998566
Pabpn1l	0	0	0	0
Pacrg	1.021559	1.120163	0.870726	2.512498
Pacrgl	3.879939	9.759788	9.324553	5.99358
Pacs1	24.084108	16.77961	13.600509	10.327309
Pacs2	11.531358	13.55674	9.113479	10.908322
Pacsin1	0	0.03007	0	0
Pacsin2	26.286541	37.808796	14.828476	25.349425
Pacsin3	23.006782	13.757642	8.203021	12.128227

Padi1	0.263691	0.179686	0.144212	0.196156
Padi2	10.925039	11.435625	6.431932	13.913234
Padi3	0	0.25815	0.064201	0.148325
Padi4	0.224245	1.334047	5.353432	2.306489
Padi6	0	0	0	0
Paf1	42.171543	31.525501	26.452753	33.45015
Pafah1b1	28.24562	21.473284	18.177722	22.194252
Pafah1b2	23.756483	27.291809	23.560524	25.982677
Pafah1b3	93.51651	72.898232	88.573395	56.202831
Pafah2	1.985493	3.225886	3.811653	3.583237
Pag1	2.042961	1.813028	3.114756	2.895496
Pagr1a	15.518085	21.85124	19.189896	26.527275
Pah	0	0.25712	0	2.135748
Paics	101.296684	112.723976	133.630264	92.058128
Paip1	13.389662	13.68495	12.448184	12.341876
Paip2	98.697266	83.603447	98.064072	104.970894
Paip2b	12.908834	14.929821	16.572351	11.360472
Pak1	11.52735	24.551792	17.688772	14.399266
Pak1ip1	52.024067	45.613033	44.897232	45.415718
Pak2	19.206066	22.562975	18.260326	17.928013
Pak3	0.979044	1.079368	2.014564	0.438783
Pak4	6.517396	9.014976	7.369735	7.210884
Pak6	0.214332	0.582401	1.187892	0.347764
Pak7	0	0	0	0
Pakap	0	0	1.127763	0
Palb2	0.719747	2.297115	3.014462	1.718005
Pald1	4.431438	11.715673	9.617171	13.332047
Palld	65.043142	28.399141	30.116987	65.64851
Palm	38.903067	30.585418	25.805032	22.779481
Palm2	0.077642	0.056951	0	0.206062
Palm3	0	0	0	0.142205
Palmd	0.66155	1.157429	0.935276	3.049739
Pam	34.516239	52.450039	55.972134	37.835529
Pam16	67.443352	50.339123	64.71553	70.526833
Pamr1	0.173399	0.575034	0.034507	1.592564
Pan2	17.605756	11.479348	10.110471	7.676148
Pan3	13.707784	10.145267	11.207712	11.316002
Panct2	0	0	0	0
Pank1	0.496039	1.318508	1.088126	1.15179
Pank2	11.559352	13.221075	11.42124	12.838157
Pank3	4.727327	7.107493	5.570979	4.854939
Pank4	12.672906	13.828055	13.87522	11.53829
Pantr1	0	0	0	0
Pantr2	0	0	0	0
Panx1	1.686991	4.187673	2.713244	8.564862
Panx2	0	0	0.028671	0
Panx3	0	0	0	0
Paox	8.08063	15.875428	14.869499	9.836064
Papd4	8.9655	8.941236	9.213948	8.156228

Papd5	8.654222	9.287135	6.051727	6.809066
Papd7	10.95633	12.050585	10.081479	9.854832
Papl	0	0	0	0
Papln	0	0	0	0
Papola	20.440449	39.499458	34.497383	29.0438
Papolb	0.021204	0.362137	0.157748	0.159948
Papolg	1.537005	5.191802	4.378911	3.431341
Pappa	0.13408	0.185101	0.084667	0.716953
Pappa2	0	0.044414	0.074489	0.013522
Papss1	21.780879	31.622503	27.360344	20.952664
Papss2	1.067202	0.891141	0.341323	2.037864
Paqr3	0.72028	1.59861	1.124296	0.8786
Paqr4	4.167237	4.988898	4.199928	4.818252
Paqr5	0	0.084858	0	0
Paqr6	0	0	0	0
Paqr7	3.570946	3.264495	2.917768	1.798659
Paqr8	0.123026	0.297322	0.133688	0.679186
Paqr9	0.214412	0.073384	0	1.326897
Pard3	13.152603	13.897305	8.3454	7.240278
Pard3b	0.064167	0.080961	0.064232	0.369433
Pard6a	6.17671	4.894623	5.493937	6.421438
Pard6b	0.419293	0.921392	1.381301	0.511615
Pard6g	0.529334	0.403904	0.32901	0.602533
Parg	5.146787	7.061354	5.38467	5.649461
Park2	0	0	0	0.036265
Park7	109.97625	155.351166	175.20491	125.120277
Parl	40.157875	45.888378	64.750633	56.766827
Parm1	1.340776	0	0	0.213428
Parn	22.662867	17.35556	20.602156	14.110006
Parp1	14.287698	39.295746	33.319168	23.690113
Parp10	6.758012	8.681339	6.243481	8.063276
Parp11	1.40643	3.743187	2.946929	3.346998
Parp12	0.990981	2.535655	1.914704	4.38893
Parp14	0.757676	1.932146	2.074316	2.904807
Parp16	6.463554	7.19483	7.44482	6.015186
Parp2	12.087747	20.784426	18.865749	13.560092
Parp3	12.240078	21.627682	17.491163	15.41091
Parp4	3.536145	4.91344	3.630673	3.583591
Parp6	23.787532	14.087153	12.002321	11.683443
Parp8	3.262103	2.558003	2.451035	4.293346
Parp9	2.785082	6.143581	8.295513	7.46876
Parpbp	0.531601	4.017816	5.957518	2.075779
Pars2	1.722705	3.23194	3.487565	2.700433
Particl	2.477871	2.77691	2.579629	2.573529
Parva	25.664759	30.658325	22.317059	21.242807
Parvb	27.318777	28.026154	22.673479	27.314348
Parvg	4.56241	10.015957	10.69135	13.827955
Pask	2.193353	4.787248	4.83921	3.482701
Pate2	0	0	0	0

Pate4	0	0	0	0
Patl1	24.20426	14.94219	12.543034	11.063385
Patl2	0	0	0	0
Patz1	9.721761	13.104898	10.060793	9.684939
Paupar	0	0	0	0
Pawr	2.077227	0.876738	1.043021	3.04611
Pax1	0	0	0	0
Pax2	0.388314	0.111854	0.381745	0.208595
Pax3	0	0	0	0
Pax4	0	0	0	0
Pax5	0	0	0	0
Pax6	0	0.437433	0	0
Pax6os1	0	0	0	0
Pax7	0	0	0	0
Pax8	0	0	0	0.090074
Pax9	5.778498	7.835099	5.043302	4.038227
Paxbp1	31.082024	19.130121	19.321096	17.671539
Paxip1	4.406331	6.504729	6.359235	5.009491
Pbdc1	18.108797	24.520779	23.412798	21.152214
Pbk	0.631419	15.513239	24.779068	11.445043
Pbld1	0	0	0	1.25366
Pbld2	0.246538	0.228231	0.354559	0.357028
Pbp2	0.188327	0.717056	0.235231	1.008056
Pbrm1	9.896053	13.250372	10.856221	8.557305
Pbsn	0	0	0	0
Pbx1	17.998066	12.769959	5.336517	6.311055
Pbx2	26.201263	21.864849	18.800846	23.212627
Pbx3	3.942328	5.932088	4.243509	3.224565
Pbx4	0	0	0	0
Pbxip1	25.331135	27.426186	19.345591	24.743475
Pcbd1	15.996395	11.712141	19.987467	19.608568
Pcbd2	19.01634	19.818762	26.324833	32.805458
Pcbp1	212.866028	201.267303	147.077362	155.121384
Pcbp2	203.700166	175.76087	159.270909	146.488746
Pcbp3	2.510137	2.870723	1.642148	2.551949
Pcbp4	61.594212	49.000214	37.502712	33.403103
Pcca	1.933762	7.475816	10.611362	5.69373
Pccb	5.149654	8.109194	10.638183	12.55823
Pcdh1	13.378019	16.136433	13.201318	14.381385
Pcdh10	0	0	0	0
Pcdh11x	0	0	0	0
Pcdh12	0.172424	0.813997	0.991919	0.38093
Pcdh15	0	0	0	0
Pcdh17	0	0.119706	0.081751	0.131086
Pcdh18	6.868802	9.599081	11.191208	5.820729
Pcdh19	1.329451	4.094257	2.955205	2.81655
Pcdh20	0	0	0	0
Pcdh7	0.254354	0.360103	0.11204	0.53292
Pcdh8	0	0	0	0

Pcdh9	1.078271	0.480275	0.790528	0.532339
Pcdha1	0	0	0	0
Pcdha10	0	0	0	0
Pcdha11	0	0	0	0
Pcdha12	0	0	0	0
Pcdha2	0	0	0	0
Pcdha3	0	0	0	0
Pcdha4	0	0	0	0
Pcdha5	0	0	0	0
Pcdha6	0	0	0	0
Pcdha7	0	0	0	0
Pcdha7-g	0	0	0	0
Pcdha8	0	0	0	0
Pcdha9	0	0	0	0
Pcdhac1	0	0	0	0
Pcdhac2	0	0.039127	0.090818	0
Pcdhb1	0	0	0	0
Pcdhb10	0.222566	0.206328	0.103995	0.245167
Pcdhb11	0.31647	0.379779	0.363604	0.182042
Pcdhb12	0.252834	0.239321	0.09738	0.15528
Pcdhb13	0.040255	0.216912	0.053335	0.108762
Pcdhb14	0.765942	1.642824	1.072492	0.62793
Pcdhb15	0.953851	0.661252	0.651155	0.452164
Pcdhb16	1.418798	2.608098	1.635601	1.111964
Pcdhb17	3.622052	5.082461	3.922012	2.950742
Pcdhb18	0.541052	0.786829	0.724702	0.570796
Pcdhb19	0.538081	0.942123	0.539169	0.604033
Pcdhb2	0.34933	0.10803	0.144324	0.156595
Pcdhb20	1.600472	2.281849	1.824695	1.560253
Pcdhb21	0.338238	1.919414	1.087726	0.561171
Pcdhb22	2.417192	3.113936	2.661339	2.469853
Pcdhb3	0.279852	0.198153	0.283101	0.251976
Pcdhb4	0.126584	0.115151	0.13117	0.067631
Pcdhb5	1.347533	2.048165	1.673699	1.139027
Pcdhb6	0.128213	0.317133	0.241091	0.033039
Pcdhb7	0.960302	1.280676	1.03852	0.683474
Pcdhb8	0	0.122436	0.148119	0.11311
Pcdhb9	0.257585	0.650112	0.541365	0.367652
Pcdhga1	0.407481	0.840976	0.487306	2.171739
Pcdhga10	2.112764	0.189003	0.194187	2.303564
Pcdhga11	1.271604	0.135037	0.208405	0.27981
Pcdhga12	0.232469	1.14812	0.141931	0.361604
Pcdhga2	0.064793	0.037407	0.085898	0.051003
Pcdhga3	1.454148	1.95814	2.04774	2.595856
Pcdhga4	0.128521	0.084221	0.140319	0.128018
Pcdhga5	5.016097	5.636792	1.724968	2.80345
Pcdhga6	2.557748	0.850581	0.043385	0.178818
Pcdhga7	0.300855	0.791521	1.19145	0.329877
Pcdhga8	0.010479	0.008972	0.062477	0.06137

Pcdhga9	0.094549	0.134563	0.09171	0.714967
Pcdhgb1	0.085688	0.823462	0.010947	0.058069
Pcdhgb2	1.580276	0.312006	0.095456	2.025158
Pcdhgb4	0.182362	0.206714	0.15903	1.959064
Pcdhgb5	14.551116	7.942093	4.066151	3.708928
Pcdhgb6	0.366903	0.438452	0.094074	0.210573
Pcdhgb7	0.05986	0.606035	0.09781	1.820669
Pcdhgb8	0.231546	0.569271	0.806419	2.186034
Pcdhgc3	30.955452	49.713364	40.845093	23.51708
Pcdhgc4	0.641179	0.658521	0.572298	2.500293
Pcdhgc5	0.444501	1.134549	0.374518	2.624511
Pced1a	6.646206	12.372992	8.224512	8.436829
Pced1b	1.394425	1.416094	1.993697	4.965773
Pcf11	6.072798	6.421982	5.038548	7.524699
Pcgf1	18.317282	16.172464	21.823778	16.426567
Pcgf2	29.36273	19.149908	15.849754	22.713463
Pcgf3	12.172628	20.625719	14.15479	13.916187
Pcgf5	16.832878	10.226403	8.305954	7.464895
Pcgf6	7.310919	10.665581	9.601086	7.360268
Pcid2	12.636948	15.530681	11.939553	12.630116
Pcif1	21.111067	14.265247	14.422318	12.500684
Pck1	0.284141	0.943944	0	9.157649
Pck2	21.615145	34.044128	30.273678	26.019567
Pclo	0	0	0	0
Pcm1	7.643053	8.436689	8.176617	4.96038
Pcmt1	24.972607	25.488274	28.022371	24.387074
Pcmtd1	4.86424	6.398273	5.716707	5.375293
Pcmtd2	5.850801	9.669362	5.648776	4.870765
Pcna	59.456364	102.465363	131.125244	88.057541
Pcnp	31.106905	34.535049	32.791885	35.481983
Pcnt	4.706624	6.244438	7.768824	5.380315
Pcnx	13.764915	8.587219	8.207971	6.886559
Pcnxl2	0.104504	0.017144	0	0.049339
Pcnxl3	12.626885	20.376497	16.83812	12.638654
Pcnxl4	3.406756	5.916149	6.781565	5.393764
Pcolce	151.529297	257.531219	243.050217	178.674606
Pcolce2	1.059422	2.739031	0.422224	5.122908
Pcp2	0	0	0	0
Pcp4	0	0	0	0
Pcp4l1	0	0.646534	0.186754	0.616181
Pcsk1	0	0	0	0
Pcsk1n	0	0	0	0
Pcsk2	0	0	0	0
Pcsk2os1	0	0	0	0
Pcsk2os2	0	0	0	0
Pcsk4	5.990351	3.315799	3.446806	2.307983
Pcsk5	2.122526	0.9824	0.084922	3.362426
Pcsk6	0.677786	0.827516	0.261982	0.952797
Pcsk7	4.063446	7.316668	6.12973	7.571932

Pcsk9	0.140912	0.240656	0.111794	1.054847
Pctp	2.480643	4.41782	5.43767	5.812774
Pcx	1.465443	1.800736	2.003545	7.41223
Pcyox1	18.266333	33.079506	34.235092	27.282928
Pcyox1l	4.994617	19.105097	14.087504	12.591879
Pcyt1a	5.52111	8.846391	5.422778	7.325815
Pcyt1b	0.42598	2.102032	1.467053	0.751368
Pcyt2	14.017756	18.850878	19.266655	15.305089
Pdap1	71.843735	91.840622	81.606857	79.723007
Pdc	0	0	0	0
Pdcd1	0.101676	0.302498	0.102055	0.284703
Pdcd10	20.340834	21.14086	33.8204	28.795883
Pdcd11	16.55545	19.044353	12.281908	12.161273
Pdcd1lg2	0.114162	0.22198	0.101127	0.62502
Pdcd2	34.725677	30.565916	34.410065	37.851151
Pdcd2l	15.904202	17.939814	19.516083	19.567942
Pdcd4	15.078054	16.510848	13.510581	15.605601
Pdcd5	132.262833	109.415665	133.16156	133.033112
Pdcd6	54.692978	67.577263	87.251511	78.685501
Pdcd6ip	16.852593	24.056107	23.048451	27.147103
Pdcd7	10.379666	8.063837	6.190629	8.712566
Pdcl	4.946863	6.139362	5.525836	6.395461
Pdcl2	0	0	0	0
Pdcl3	47.198662	44.152161	39.733669	45.252464
Pddc1	14.869123	14.688627	16.135002	16.832098
Pde10a	0.127753	0.174897	0.038059	0.172866
Pde11a	0	0	0	0
Pde12	2.731635	4.890299	3.880668	4.799543
Pde1a	1.422349	0.309351	0.569918	4.085112
Pde1b	10.190893	3.846464	4.421426	6.004968
Pde1c	0	0.028755	0	0.117255
Pde2a	7.561236	17.732266	13.783946	13.56017
Pde3a	0.788153	0.201264	0.205945	0.480911
Pde3b	3.893013	4.062496	2.517097	3.415057
Pde4a	11.330935	12.921331	9.057396	10.426658
Pde4b	2.425357	4.018128	3.402361	2.48439
Pde4c	0.092911	0	0	0.162635
Pde4d	3.114324	1.608902	1.518959	1.735014
Pde4dip	6.791194	22.550202	11.290539	5.983235
Pde5a	0.220765	0.098715	0.197416	1.087559
Pde6a	0	0	0	0
Pde6b	0	0	0	0
Pde6c	0	0	0	0
Pde6d	45.301235	40.707832	49.628422	38.225666
Pde6g	0.161765	0	0	0.375587
Pde6h	0	0	0.705976	0
Pde7a	3.763119	8.817043	6.113848	5.165183
Pde7b	0.095738	0.2673	0.211588	0.409927
Pde8a	1.010004	3.59417	4.571507	4.880916

Pde8b	0.250763	0.256955	0.229442	0.53805
Pde9a	0	0	0	0
Pdf	5.15243	17.06876	15.732162	20.043081
Pdgfa	86.114578	69.501282	43.214455	81.92128
Pdgfb	9.413835	15.410899	13.973832	8.156378
Pdgfc	13.69588	32.437668	21.901581	22.287397
Pdgfd	0	0	0.0545	0.215143
Pdgfra	11.915711	8.399261	5.36622	7.152899
Pdgfrb	58.044845	76.246758	49.024277	63.215416
Pdgfrl	11.213749	11.340551	3.057083	22.157677
Pdha1	54.916565	64.29277	57.06076	42.379704
Pdha2	0	0	0	0
Pdhb	36.024502	38.796227	40.712315	35.960022
Pdhx	5.365621	8.33178	8.014751	9.486847
Pdia2	0	0.464352	0.085456	0
Pdia3	125.961517	205.493988	228.664719	233.271637
Pdia4	71.962631	121.32357	111.180473	105.372398
Pdia5	21.030987	25.379101	23.911913	32.060402
Pdia6	156.137253	259.328125	276.538055	245.024719
Pdik1l	0.675948	2.244201	2.73403	2.388652
Pdilt	0	0	0	0
Pdk1	34.818733	19.095284	27.743708	23.788467
Pdk2	6.490727	5.550931	3.451932	6.097926
Pdk3	8.847402	9.026077	11.150975	8.846576
Pdk4	20.375689	7.729211	4.807478	1.539604
Pdlim1	46.808563	48.386959	38.325729	31.46526
Pdlim2	8.029439	26.789134	38.704519	34.832549
Pdlim3	0	9.439022	0	0.254047
Pdlim4	2.203523	4.260306	2.707677	4.62126
Pdlim5	16.111129	26.876071	14.358069	14.765431
Pdlim7	84.680832	84.753221	54.547888	74.779307
Pdp1	2.288	3.642127	3.881244	4.120907
Pdp2	2.064144	3.903257	2.767002	2.165313
Pdpk1	8.708987	9.069099	8.009544	7.021725
Pdpn	7.662798	46.097299	18.741526	26.229991
Pdpr	3.852911	2.522238	2.625047	1.807129
Pdrg1	19.876505	47.311291	38.749187	66.291222
Pds5a	11.465174	14.50589	10.719624	9.113676
Pds5b	7.876863	11.940062	11.20914	8.327378
Pdss1	0.937943	7.001879	6.433863	3.922554
Pdss2	1.430535	2.706602	3.292231	1.877716
Pdx1	0	0	0	0
Pdxdc1	22.927174	31.754439	25.288606	24.180127
Pdxk	11.414842	8.15704	7.067662	7.637014
Pdxk-ps	0	0	0.062516	0.074351
Pdxp	19.100357	16.830168	15.314264	15.872136
Pdyn	0	0	0	0
Pdzd11	20.763609	43.709061	45.132996	36.195393
Pdzd2	0.079271	0.157887	0.084605	0.156565

Pdzd3	0	0	0	0
Pdzd4	0.57572	0.262156	0.359354	0.939916
Pdzd7	1.216299	0.472777	0.461263	0.490987
Pdzd8	5.540644	10.357443	7.779179	6.750174
Pdzd9	0	0.445568	0	0.251581
Pdzk1	1.324393	3.668798	3.052832	3.028949
Pdzk1ip1	0	0	0	0.666334
Pdzph1	0	0	0	0
Pdzrn3	2.248484	3.04731	0.996829	6.802726
Pdzrn4	0	0	0	0
Pea15a	32.166534	50.419659	37.762794	55.250576
Peak1	17.828131	17.560764	12.062805	12.843543
Pear1	16.830786	20.705119	15.577585	14.640687
Pebp1	234.482498	265.471771	372.898651	251.378387
Pebp4	0	0	0.088984	0
Pecam1	4.476393	12.35676	12.329856	6.804552
Pecr	12.736608	8.859566	11.223534	7.775028
Pef1	23.673544	22.120609	21.72863	22.46863
Peg10	0.250868	0.094202	0.021668	0.452318
Peg12	0.150164	0.313502	0	0.189667
Peg13	2.521373	3.443154	2.675142	3.534111
Peg3	0.238594	0.293876	0	0.242782
Peg3os	0.743981	0	0	0.134204
Peli1	6.829044	7.086403	6.040141	7.965841
Peli2	1.324043	1.543077	1.554792	2.5475
Peli3	0.307663	0.087618	0.050843	0.477118
Pelo	10.39629	14.592417	8.429999	13.203255
Pelp1	22.813362	23.205767	18.773731	16.703876
Pemt	2.161346	5.357627	5.537044	8.849365
Penk	0	1.021256	0.313864	0.407783
Peo1	10.037563	16.688181	15.890931	11.179218
Pepd	8.650008	17.676458	15.110847	17.895594
Per1	63.266449	20.503058	21.016449	15.365038
Per2	4.257058	3.613344	1.791584	4.447502
Per3	2.05687	3.274904	2.050658	2.944506
Perm1	1.102867	1.814875	0.814642	1.091573
Perp	6.814482	2.397451	4.995367	8.482469
Pes1	58.882107	49.778572	45.616772	37.940903
Pet100	23.255436	27.72727	48.515369	59.551563
Pet117	0.58898	4.046054	1.472279	0.952153
Pet2	0	0	0	0
Pex1	3.219838	2.666016	2.871595	3.097084
Pex10	2.92869	4.002271	4.624206	3.594198
Pex11a	4.517228	3.118959	3.384478	5.549443
Pex11b	9.16978	9.603803	13.192478	7.844632
Pex11g	2.811298	4.862859	4.312609	4.124546
Pex12	1.401672	2.566482	3.034953	3.424399
Pex13	7.288383	8.945528	11.658358	7.427629
Pex14	29.982233	26.075441	24.247156	20.421167

Pex16	12.93606	6.392645	6.85209	9.006905
Pex19	12.442726	20.003806	18.330544	18.5016
Pex2	11.259162	22.658518	31.864718	17.693623
Pex26	2.744589	3.511789	4.303476	3.684067
Pex3	6.283319	7.731637	8.091225	5.861811
Pex5	31.654611	19.89425	19.372497	16.552269
Pex5l	0.093764	0	0	0.054914
Pex6	10.894383	10.225164	7.253526	9.561426
Pex7	4.542345	8.447306	10.349506	9.123473
Pf4	29.830267	71.359299	82.290787	95.338463
Pfas	6.608933	16.331352	11.112172	8.223748
Pfdn1	121.356651	126.950539	149.745743	140.343857
Pfdn2	199.864273	146.661362	139.441437	156.571381
Pfdn4	39.36475	39.639362	69.887482	61.350109
Pfdn5	659.69043	380.833069	580.3703	773.987976
Pfdn6	70.856735	83.477554	78.664085	93.321907
Pfkfb1	1.65629	2.801367	4.041661	2.372213
Pfkfb2	1.353725	2.063321	1.789183	2.651506
Pfkfb3	20.252435	6.40836	8.432841	7.667487
Pfkfb4	4.217266	9.134966	6.938687	13.613093
Pfkl	97.767525	47.220135	50.974239	47.618839
Pfkm	20.904157	38.443194	21.73851	17.355952
Pfkp	36.292309	13.987007	19.727253	21.036302
Pfn1	636.04126	951.999146	810.930237	788.283875
Pfn2	1.680263	3.181181	2.55765	4.198658
Pfn3	0	0	0	0
Pfn4	0.368569	1.808638	1.952078	1.479449
Pfpl	0	0	0	0
Pga5	0	0	0	0
Pgam1	223.672684	170.770813	197.557663	170.317398
Pgam2	1.216453	18.234713	0.434807	0.97302
Pgam5	22.500699	33.640106	29.476466	24.551477
Pgap1	0.383543	0.475397	0.255573	0.851236
Pgap2	11.503873	19.453402	19.373461	17.136381
Pgap3	2.587557	3.684865	2.960305	3.408998
Pgbd1	0.331769	0.309371	0.22458	0.242623
Pgbd5	0	0	0.069747	0
Pgc	0	0	0	0
Pgd	50.86285	63.25378	61.987125	82.631683
Pgf	58.427444	5.512826	7.24718	15.487895
Pggt1b	2.531087	4.517414	3.763019	3.799971
Pgk1	681.288391	323.63678	500.091522	382.03183
Pgk2	0	0	0	0
Pgls	127.579005	95.866494	100.943117	103.23169
Pglyrp1	2.315924	0.730638	1.566676	2.355826
Pglyrp2	0.052576	0.045016	0	0.767336
Pglyrp3	0	0	0	0
Pglyrp4	0	0	0	0
Pgm1	12.356965	15.57244	16.014904	14.711423

Pgm2	47.70747	23.986034	27.096785	27.915836
Pgm2l1	1.335232	2.257002	1.381287	1.450567
Pgm3	4.151583	5.815459	4.937536	4.594719
Pgm5	0	0.23962	0.049359	0
Pgp	23.348726	18.813396	17.183743	24.291204
Pgpep1	3.643717	5.757642	4.009009	6.524503
Pgpep1l	0	0.439542	0	0
Pgr	0	0	0	0
Pgr15l	0	0	0	0
Pgrmc1	68.838074	65.803596	98.371117	73.073105
Pgrmc2	22.852823	25.734594	26.450294	22.578791
Pgs1	26.84149	31.474104	24.311956	27.307045
Phactr1	0.320187	0.240481	0.02791	0.139488
Phactr2	0.318137	0.582879	0.310135	0.66205
Phactr3	0	0	0	0
Phactr4	10.708708	9.481188	11.997735	7.401419
Phax	34.134182	31.697947	22.911535	26.464237
Phb	45.195637	70.802322	82.947121	69.805153
Phb2	196.657349	211.691025	227.557632	184.451233
Phc1	6.534837	8.630541	6.20084	5.026686
Phc2	70.916002	85.170249	60.283758	76.999206
Phc3	2.553943	4.281347	3.961485	3.386489
Phex	0.393375	0.633893	0.901574	0.397641
Phf1	27.853551	16.602855	13.099562	18.241682
Phf10	28.099152	49.796906	47.443256	55.684895
Phf11a	0	0.354792	0.184869	0.814064
Phf11b	0	0.994748	0.723314	2.881648
Phf11c	0	1.139856	0.540008	1.403276
Phf11d	0.295185	0.370405	0.480991	1.996124
Phf12	15.588655	23.86344	15.919129	14.861663
Phf13	24.352736	14.042381	9.993404	14.687977
Phf14	6.48734	8.789379	11.77584	5.99432
Phf19	1.354984	4.316355	4.820401	2.513216
Phf2	15.424161	12.136254	7.663376	8.798553
Phf20	12.262031	10.862851	8.376749	8.58268
Phf20l1	2.798363	3.763866	3.28091	4.135404
Phf21a	10.713091	7.967126	9.40392	10.355451
Phf21b	0.175153	0.522002	0.369237	0.310437
Phf23	60.153623	56.206269	42.530413	55.253584
Phf24	0	0	0	0
Phf3	13.978153	12.631301	10.980822	10.557597
Phf5a	21.994478	32.97084	27.13838	24.644106
Phf6	3.156474	6.241788	6.813959	3.749714
Phf7	3.188896	2.191377	4.958782	4.051758
Phf8	4.19057	3.460088	3.062333	3.646219
Phgdh	80.846375	158.318649	149.064987	124.2845
Phgr1	0	0	0	0
Phip	3.303181	4.619365	4.786341	3.943707
Phka1	3.749532	3.781186	3.182092	2.187959

Phka2	9.285238	5.480402	7.222801	4.103776
Phkb	2.192533	5.054086	4.850449	3.930736
Phkg1	0.104987	0.781291	0.250382	0.171616
Phkg2	16.714268	17.485962	17.190042	14.270222
Phlda1	27.13698	19.535646	18.03903	21.561125
Phlda2	2.009062	1.035485	1.135835	3.979813
Phlda3	61.691975	69.342239	38.254436	83.095444
Phldb1	31.7686	34.870495	22.590921	27.400162
Phldb2	3.234041	2.285937	1.068321	7.034515
Phldb3	1.512249	0.954927	1.19968	1.75673
Phlpp1	4.362965	4.035133	3.253209	3.012456
Phlpp2	2.694573	3.272971	2.54776	2.380138
Phospho1	3.958025	1.584582	0.92586	2.404288
Phospho2	3.268026	6.018814	8.099	9.658437
Phox2a	0.549849	0.080271	0.122416	0.069458
Phox2b	0	0	0	0
Phpt1	105.832314	113.345337	163.419785	122.612434
Phrf1	21.515406	17.771509	13.27947	14.472446
Phtf1	14.486488	16.210781	14.798557	8.791057
Phtf1os	3.568254	3.986954	3.519706	3.21209
Phtf2	2.793358	6.530419	5.187063	4.169187
Phxr4	0	0	0.107047	0
Phyh	7.882499	11.434862	13.193514	27.409773
Phyhd1	44.702574	19.373988	23.532526	22.838885
Phyhip	0.106606	0	0	0.243076
Phyhipl	0	0	0	0
Phykpl	5.222649	6.410874	8.477419	4.665814
Pi15	0.093053	0	0	0.066737
Pi16	1.018896	7.788254	6.112273	9.630968
Pi4k2a	22.929047	19.411118	16.184292	19.812817
Pi4k2b	18.454397	6.822089	14.855936	15.15126
Pi4ka	7.659146	11.586486	8.356733	10.202458
Pi4kb	15.27212	20.15231	17.429434	18.648617
Pianp	4.360768	3.335318	3.66221	5.544604
Pias1	9.553616	7.12305	6.196678	7.452533
Pias2	9.972897	13.058624	10.470503	10.412112
Pias3	16.647293	13.681967	12.348262	11.975341
Pias4	27.313818	15.728846	13.335332	15.818312
Pibf1	3.003084	3.359226	3.113796	3.113163
Picalm	52.658412	54.970983	47.032696	50.308434
Pick1	11.114409	14.877582	12.164581	10.370309
Pid1	5.116572	12.472299	14.806397	12.835546
Pidd1	0.438524	3.265913	2.357371	1.871622
Piezo1	45.346001	47.102177	34.83194	30.316044
Piezo2	0.262157	0.796103	0.328163	1.993809
Pif1	0.578491	3.150302	4.455492	2.048551
Pifo	0	0	0	0
Piga	3.389121	4.738657	6.69696	3.977561
Pigb	1.776682	4.012319	4.550218	1.635893

Pigc	7.905031	9.094751	11.090017	11.564957
Pigf	8.741632	17.357889	18.880699	14.385491
Pigg	2.713789	4.189626	5.208103	3.084285
Pigh	1.893396	7.608083	9.118477	6.7885
Pigk	9.612433	10.600523	9.855832	13.54718
Pigl	1.881852	4.238982	5.056166	4.443099
Pigm	4.406969	6.360716	6.049369	5.491573
Pign	4.108627	9.860612	10.045193	5.702022
Pigo	3.409086	3.599359	4.653199	3.300823
Pigp	18.092674	24.624479	42.040037	32.764641
Pigq	11.182253	18.837499	15.634297	17.516382
Pigr	0.179557	0.19695	0	3.785507
Pigs	20.776772	41.293854	37.661022	32.574398
Pigt	39.552814	56.948009	54.062824	55.825603
Pigu	6.704085	12.668568	13.059868	11.120936
Pigv	2.379531	4.128504	3.828809	3.784137
Pigw	1.472249	4.030518	3.964572	3.89962
Pigx	40.087358	45.861582	66.210613	51.973911
Pigyl	20.985346	15.709918	28.59779	28.211908
Pigz	0.299621	0.628143	0.523687	0.708601
Pih1d1	23.742333	31.135408	29.453837	33.132069
Pih1d2	0	0.235004	1.159797	0.276001
Pih1d3	0	0	0	0
Pih1h3b	0	0	0	0
Pik3ap1	2.184805	3.552446	2.474331	5.667602
Pik3c2a	3.48489	5.648814	5.310047	3.87767
Pik3c2b	0.738386	1.166801	1.348414	0.29428
Pik3c2g	0	0	0	0
Pik3c3	7.721663	9.142666	8.139619	6.741159
Pik3ca	7.892728	9.752458	7.444274	8.518139
Pik3cb	4.197913	5.854807	5.28973	3.999278
Pik3cd	2.362079	6.053568	6.975886	8.867882
Pik3cg	0.472333	2.062155	1.9487	1.759038
Pik3ip1	32.361259	16.336195	22.746223	11.884346
Pik3r1	5.247312	5.898679	4.074329	6.40694
Pik3r2	33.129612	48.98856	33.51915	37.34346
Pik3r3	0.128474	0.641802	0.334445	0.886966
Pik3r4	6.174744	8.007035	6.146693	5.63082
Pik3r5	7.953068	7.674854	11.244471	10.236713
Pik3r6	2.785231	2.873033	4.261106	8.013456
Pikfyve	2.097392	3.286579	2.377717	2.980799
Pilra	2.276121	19.179871	23.546473	27.388088
Pilrb1	0	3.264523	3.916816	6.421944
Pilrb2	0.392826	2.295088	3.593263	6.226835
Pim1	142.084885	32.742393	27.792652	32.935581
Pim2	1.426547	1.286931	1.665949	2.36498
Pim3	67.082581	18.292858	19.744495	18.424133
Pin1	14.133872	18.139357	18.324907	22.782509
Pin1rt1	0	0	0	0

Pin4	19.170109	31.119625	31.280249	42.23938
Pinc	0	0	0	0
Pink1	24.001032	18.167519	12.483196	19.176699
Pinlyp	0	0	0	0
Pinx1	5.896861	9.874722	9.64887	8.491934
Pip	0	0	0	0
Pip4k2a	4.397384	7.899835	6.352019	6.421164
Pip4k2b	12.588637	22.386654	15.292197	13.727766
Pip4k2c	18.487501	13.946262	11.42798	16.91571
Pip5k1a	15.949322	14.66113	23.9284	11.775597
Pip5k1b	0	0	0.058522	0.091914
Pip5k1c	19.844978	30.961601	21.407744	26.472886
Pip5kl1	0	0	0	0
Pipox	0.055867	0	0	2.136762
Pir	12.623191	10.817615	15.385796	9.725731
Pira1	0.915285	0	0	0
Pira11	0.168193	5.19663	6.614589	6.005866
Pira2	0.769172	2.691082	3.234898	2.601143
Pira4	0	0.346316	0.288394	2.087383
Pira6	1.001965	3.773178	3.629653	5.506777
Pira7	0.264428	0.357302	1.313596	0.307893
Pirb	18.678938	17.63924	22.388058	32.484299
Pirt	0	0	0	0
Pisd	23.629152	28.609955	25.012377	27.986864
Pisd-ps1	9.289271	21.848675	21.485977	16.041573
Pisd-ps2	1.166259	2.447182	2.402506	2.240367
Pisd-ps3	45.882568	106.297874	107.334167	76.12838
Pithd1	22.194775	16.717358	17.938795	16.078024
Pitpna	40.809559	65.957703	60.82679	74.727646
Pitpnb	23.6836	36.744909	31.548221	27.674856
Pitpnc1	4.133974	3.809149	3.209119	3.502464
Pitpnm1	33.789265	26.523945	19.262417	20.180036
Pitpnm2	4.000094	5.667316	3.355392	3.399022
Pitpnm2os1	0.117921	0	0	0
Pitpnm3	0.138865	0	0.022161	0.153946
Pitrm1	24.490009	57.80315	53.89336	28.031279
Pitx1	0	0.773702	0	0
Pitx2	0	0.325709	0	0
Pitx3	0	0	0	0
Piwil1	0	0	0	0
Piwil2	0.66516	0.719899	0.29801	1.128872
Piwil4	0	0	0	0.438462
Pja1	21.844393	23.744387	23.286309	23.395415
Pja2	11.960084	13.550478	9.943846	10.55371
Pkd1	9.604706	11.178582	8.349407	10.402161
Pkd1l2	0	0	0.033245	0.02351
Pkd1l3	0.546899	0.084497	0.148701	0.157753
Pkd2	12.708764	14.381078	12.14433	13.419381
Pkd2l1	0.089529	0	0	0

Pkd2l2	1.282471	1.985653	1.733191	2.648549
Pkdcc	5.091924	5.225394	3.63916	10.447165
Pkdrej	0.020689	0	0	0.024672
Pkhd1	0	0	0	0.00898
Pkhd1l1	0	0	0	0
Pkia	0.309366	2.189708	1.18669	0.534507
Pkib	0.576533	1.231055	1.524282	2.41813
Pkig	30.387647	36.579064	36.581104	38.882181
Pklr	0	0	0	0.810566
Pkm	1172.648896	810.75209	766.263038	680.077194
Pkmyt1	2.641497	16.471636	16.630978	9.331271
Pkn1	17.464037	16.41451	16.800873	16.080989
Pkn2	17.742956	17.916529	16.087355	10.767173
Pkn3	9.977374	21.490908	13.025186	12.428737
Pknox1	4.957195	5.760425	4.205969	4.363205
Pknox2	0.181652	1.030403	0.166082	2.054461
Pkp1	9.129327	10.504138	1.412163	8.65362
Pkp2	7.178813	12.607614	11.376775	4.835962
Pkp3	0.566658	1.317574	1.418552	0.74304
Pkp4	11.377513	20.194298	15.566609	15.759019
Pla1a	16.417702	3.929071	3.708187	31.371624
Pla2g10	0	0	0	0.100128
Pla2g10os	0	0	0	0
Pla2g12a	28.208715	29.198005	35.493045	24.142324
Pla2g12b	0	0	0	3.449929
Pla2g15	21.892227	24.71188	25.616665	40.693245
Pla2g16	1.401526	3.790612	4.092909	5.140148
Pla2g1b	0	0	0	0
Pla2g2a	0	0	0	0
Pla2g2c	0	0	0	0
Pla2g2d	0	0.117129	0	0
Pla2g2e	0	0	0	0
Pla2g2f	0	0	0	0
Pla2g3	0.111086	0	0	0.065206
Pla2g4a	7.385973	14.378146	13.967086	10.665876
Pla2g4b	0	0	0	0
Pla2g4c	0	0.19191	0.199079	0.325088
Pla2g4d	0	0	0	0
Pla2g4e	0	0.07569	0	0
Pla2g4f	0	0	0	0
Pla2g5	0.30016	0	0.063409	0
Pla2g6	7.796131	10.726289	8.024472	7.624007
Pla2g7	89.785271	83.052055	79.447929	120.73819
Pla2r1	0.432789	0.065624	0.110596	0.174435
Plaa	6.50271	8.763433	7.23562	7.027201
Plac1	0.416811	1.981069	5.139557	0.202202
Plac8	173.42157	28.263931	10.765281	200.385132
Plac8l1	0	0	0	0
Plac9a	0	12.230529	13.685712	9.449958

Plac9b	0	1.075659	0.813831	0.428052
Plag1	5.577865	2.684614	2.937298	1.872419
Plagl1	0.141036	0.506199	0.01872	0.206533
Plagl2	5.049693	8.853107	5.979082	7.614728
Plat	58.00388	131.040237	124.067146	110.851219
Platr10	0	0	0	0
Platr14	0	0	0.116211	0
Platr17	0	0	0.134938	0.387719
Platr20	0	0	0	0
Platr21	0	0	0	0
Platr22	0	0.10616	0.284198	0.290459
Platr26	0	0	0.258089	0
Platr4	0	0	0	0.080318
Platr5	0	0	0	0
Platr7	0	0	0	0
Platr8	0	0	0	0
Platr9	0	0	0	0
Plau	28.674448	78.562706	65.177979	71.368759
Plaur	92.184029	137.263092	111.433029	157.957642
Plb1	0	0	0	0
Plbd1	3.017189	12.227409	18.666822	17.61392
Plbd2	24.511242	33.322414	28.540258	26.95858
Plcb1	0.73036	1.120573	0.978963	0.937698
Plcb2	0.592502	3.327427	3.271385	4.251942
Plcb3	25.724099	38.873703	27.11319	27.592279
Plcb4	0.173055	0.916763	0.694195	0.298077
Plcd1	13.565617	6.856087	5.775071	9.103762
Plcd3	23.554062	14.477033	14.136889	13.00252
Plcd4	0	0	0	0
Plce1	0.664647	0.619693	0.421186	1.339226
Plcg1	21.153198	22.501768	15.323209	11.44365
Plcg2	2.285141	8.930121	8.473612	8.703708
Plch1	0	0.087346	0.078251	0
Plch2	0	0	0	0
Plcl1	0.309748	0.389486	0.382917	0.770369
Plcl2	9.055533	11.156547	9.545206	9.84821
Plcxd1	0.256236	0.879404	0.014434	0.062242
Plcxd2	0.308614	0.517604	0.525998	0.697965
Plcxd3	0	0	0	0
Plcz1	0	0	0	0
Pld1	2.20454	2.612941	2.351297	3.183478
Pld2	13.193241	11.775137	10.961241	13.8626
Pld3	39.523964	43.804283	34.934231	68.921524
Pld4	8.905056	48.684162	56.444874	65.92543
Pld5	0	0	0	0
Pld6	0.111798	0.133692	0	0.163687
Pldi	0.29047	0	0	0.204138
Plec	45.540235	106.075679	83.797782	61.905524
Plek	3.863022	12.259181	13.646652	18.042444

Plek2	3.230519	5.597417	6.417417	5.232755
Plekha1	14.804371	15.461124	13.842269	14.063228
Plekha2	28.79179	28.37649	26.534014	22.299734
Plekha3	14.329127	13.613153	11.249362	14.702505
Plekha4	1.366127	0.20724	0.240162	3.392663
Plekha5	7.607887	7.779379	6.537919	5.206898
Plekha6	1.686919	0.202804	0.20345	3.037026
Plekha7	0.78359	0.501273	0.497438	0.810107
Plekha8	1.782241	2.655304	1.865896	2.333714
Plekhb1	0	0.452684	0	0.729623
Plekhb2	21.42351	23.972228	19.441252	23.362443
Plekhd1	0	0	0	0
Plekhd1os	0	0	0	0
Plekhf1	20.785631	16.946123	14.222537	18.89678
Plekhf2	4.773076	4.649442	6.34174	5.008025
Plekhg1	0.565948	0.380196	0.304936	0.384693
Plekhg2	10.392417	14.161746	7.485769	8.444097
Plekhg3	24.552425	30.995337	22.264235	20.272787
Plekhg4	1.044122	1.988158	1.452399	0.838442
Plekhg5	4.774987	3.826434	2.020748	3.702349
Plekhg6	0.185218	0.140352	0.177711	0.309742
Plekhh1	0.571193	0.28958	0.126859	0.291343
Plekhh2	4.023566	5.590055	3.001038	3.442485
Plekhh3	15.964819	13.912584	10.198703	14.318896
Plekhj1	27.629736	32.017368	40.787338	41.346802
Plekhm1	5.995002	6.443795	5.149009	6.2921
Plekhm2	16.830357	12.803173	11.069422	14.862535
Plekhm3	3.016974	3.220467	2.700458	3.652214
Plekhn1	15.964842	9.098854	10.36024	8.883595
Plekho1	86.704056	92.700829	92.149933	99.052353
Plekho2	18.10601	16.77832	12.52236	14.334785
Plekhs1	0.24933	0	0	0.242719
Plet1	1.972503	4.034338	1.650286	6.229781
Plet1os	0.743387	0.424162	0.964007	1.547441
Plg	0.565271	0.536379	0	20.421558
Plgrkt	26.447704	36.854183	62.373749	53.263981
Plin1	0	0	0	0.053721
Plin2	347.767944	108.121223	96.32399	146.365112
Plin3	53.684994	41.770805	43.397575	45.741993
Plin4	3.207575	0.975365	0.74146	0.795373
Plin5	0.545958	0.106498	0	0.439336
Plk1	3.995027	18.61565	16.297707	11.198522
Plk2	41.116459	35.244747	29.775509	15.46302
Plk3	9.3386	16.390749	10.332668	14.220622
Plk4	2.514821	11.755824	13.973842	7.084219
Plk5	0	0.017143	0	0.054965
Pllp	0.653377	0.60465	1.197027	1.428344
Pln	0	0	0	0
Plod1	30.748072	34.577225	35.333984	42.24073

Plod2	20.765013	28.828728	26.433543	26.354519
Plod3	38.963734	51.17173	40.96608	50.98904
Plp1	0.199758	0.265674	0.641434	0.325603
Plp2	244.329453	271.744019	256.651672	200.75737
Plrg1	31.454454	42.10202	35.588127	27.152866
Pls1	0.346892	0.454931	1.025416	0.685153
Pls3	70.13385	84.550405	64.257768	55.686568
Plscr1	12.612051	20.472054	22.16917	23.327034
Plscr2	2.42184	7.127443	14.516198	6.662095
Plscr3	45.700738	45.622515	32.678491	42.184762
Plscr4	0.242272	0.420252	0.556835	1.347872
Plscr5	0	0	0	0
Pltp	6.61567	10.49391	7.46688	8.080658
Plvap	4.242585	18.706839	20.074835	10.52227
Plxdc1	4.889893	8.554711	2.790565	10.007038
Plxdc2	1.028128	3.540152	3.881316	7.156476
Plxna1	13.499442	26.945127	21.167963	22.405352
Plxna2	1.528873	1.754343	1.351264	1.238321
Plxna3	4.307685	11.994651	7.76843	5.150749
Plxna4	0.355646	0.217784	0.140199	0.865409
Plxna4os1	0	0.384059	0.979506	2.690648
Plxnb1	1.526115	2.363322	1.996469	1.618795
Plxnb2	26.165307	38.691305	37.038828	29.732711
Plxnb3	0	0	0	0
Plxnc1	0.03517	0.738765	0.349108	0.889326
Plxnd1	16.588198	37.34481	28.507454	31.684011
Pm20d1	0	0	0	0.470249
Pm20d2	0	0.091359	0	0.02083
Pmaip1	0.485459	1.52812	1.166911	0.866057
Pmch	0	0	0	0
Pmel	0.084089	0.239035	0	0
Pmepa1	52.92997	71.042061	30.387417	61.9496
Pmf1	23.816648	59.656391	72.67868	38.976006
Pmfbp1	0	0	0	0
Pmis2	0	0	0	0
Pml	4.28582	5.975647	5.433908	5.844177
Pmm1	48.887414	18.127943	14.596099	22.232688
Pmm2	13.998001	15.458654	16.694124	18.65675
Pmp2	0	0	0	0
Pmp22	19.981243	15.652766	15.770124	17.975695
Pmpca	19.389189	36.045834	30.709072	26.91577
Pmpcb	34.266487	58.141121	74.639198	44.413319
Pms1	1.231822	2.598753	2.252881	1.019877
Pms2	4.307766	7.936311	8.405819	5.534672
Pmvk	12.208802	27.613654	30.675229	20.865032
Pnck	1.67459	0.652805	2.630397	1.925415
Pnisr	21.003546	27.346373	24.336424	24.317621
Pnkd	26.685885	31.171466	33.696646	36.417891
Pnkp	10.856849	14.616135	12.710114	15.750394

Pnky	0	0	0	0
Pnldc1	0	0	0	0.08431
Pnlip	0	0	0	0
Pnliprp1	0	0	0	0
Pnliprp2	0	0	0	0
Pnma1	0.168051	0.721595	0.31311	0.416646
Pnma2	0	0	0	0
Pnma3	0	0	0	0
Pnma5	0	0	0	0
Pnmal1	0	0	0	0
Pnmal2	0.011949	0	0.035147	0.166838
Pnmt	0	0	0	0
Pnn	56.397961	58.729271	44.24733	51.084583
Pno1	17.829361	39.199192	43.735222	34.462555
Pnoc	0	0	0	0
Pnp	4.654845	15.13607	12.185606	14.099465
Pnp2	3.585891	9.467257	8.205823	7.758395
Pnpla1	0	0	0	0.038843
Pnpla2	38.508332	15.000854	12.552896	14.836178
Pnpla3	0.021034	0.02738	0.024715	0.144661
Pnpla5	0	0	0	0
Pnpla6	10.36892	10.999328	11.195314	7.602214
Pnpla7	9.424186	7.392666	6.970613	9.684925
Pnpla8	9.752932	11.888865	11.305196	11.66217
Pnpo	10.663385	11.042329	9.888996	13.435878
Pnpt1	4.364117	13.473658	17.589626	8.724814
Pnrc1	57.925957	21.259222	22.261053	29.014622
Pnrc2	17.820103	26.684542	33.956627	24.08762
Poc1a	1.859854	6.470124	6.222104	3.805628
Poc1b	2.721361	6.513213	6.362222	4.516727
Poc5	2.750287	6.028538	4.380298	3.631461
Podn	0.406184	2.077696	0.211976	0.846763
Podnl1	11.473872	36.476135	45.387226	19.07411
Podxl	9.056481	17.159178	12.923222	7.64909
Podxl2	0.590686	0.398831	0.073863	1.243117
Pof1b	0	0	0	0
Pofut1	5.701104	8.711928	8.720042	9.011926
Pofut2	27.589254	48.136337	37.639332	45.157124
Pogk	3.831113	7.015338	3.667535	3.40232
Poglut1	11.192377	33.505529	33.145119	23.56197
Pogz	9.797804	12.482289	6.6841	7.839089
Pola1	0.406541	5.707113	4.697083	2.300963
Pola2	10.979668	23.888819	22.292103	16.864911
Polb	37.899727	37.288712	35.777843	44.940437
Pold1	8.912754	15.691625	12.89319	9.549654
Pold2	41.352192	40.555969	38.569298	28.659702
Pold3	7.18431	11.379366	12.791173	8.96597
Pold4	111.902024	81.227249	88.047749	155.4862
Poldip2	36.440651	53.608906	58.881542	47.572708

Poldip3	57.115498	43.410797	32.263672	32.549191
Pole	2.094497	9.798855	8.646961	4.270232
Pole2	4.183927	12.008563	14.190556	9.588733
Pole3	32.154781	48.521374	42.418667	47.901081
Pole4	22.55739	23.454903	29.298658	32.618698
Polg	15.131037	18.612774	15.488608	13.438087
Polg2	5.810055	3.79359	5.5058	4.756249
Polh	3.996281	8.495192	5.256278	5.832828
Poli	3.953324	5.353657	2.440392	3.958178
Polk	1.941048	7.455194	7.788892	4.92219
Poll	4.392744	7.491941	7.004285	5.778314
Polm	8.516664	8.697155	8.888958	7.912265
Poln	0.005378	0.032972	0	0.046738
Polq	0.179807	1.420446	1.804228	1.012183
Polr1a	12.512921	16.582495	12.088571	10.920166
Polr1b	13.322772	18.217173	11.55674	12.059812
Polr1c	72.531876	58.388554	90.215279	70.427086
Polr1d	207.786606	158.882126	216.813294	221.152328
Polr1e	2.950805	8.486719	7.194923	5.062822
Polr2a	32.388493	27.846584	20.500504	18.282177
Polr2b	14.598062	18.602636	18.346035	14.370214
Polr2c	65.214378	55.274055	59.731697	61.918892
Polr2d	31.052173	34.40387	43.027561	45.389641
Polr2e	121.259583	127.133217	158.480835	133.039703
Polr2f	172.23761	146.425644	168.481506	155.563538
Polr2g	81.449249	83.568466	99.089516	107.347137
Polr2h	53.555035	71.851151	97.438744	83.16394
Polr2i	44.957851	43.801296	52.167877	56.795204
Polr2j	88.749908	107.164833	132.805038	125.199234
Polr2k	36.599604	37.614712	66.031444	73.046736
Polr2l	21.965956	18.476629	16.414425	30.316448
Polr2m	50.988989	61.583183	47.010477	47.406444
Polr3a	6.369065	7.00086	5.840321	4.476388
Polr3b	4.337544	6.849574	5.749483	4.363184
Polr3c	16.673309	26.403513	25.826548	18.534
Polr3d	12.808032	19.678912	12.543421	15.780229
Polr3e	4.745733	9.986103	6.649312	6.48725
Polr3f	4.897477	6.619575	4.631398	4.11929
Polr3g	3.23063	5.697108	3.474176	4.953029
Polr3gl	28.543007	18.424678	21.091784	19.001296
Polr3h	13.827391	22.238905	21.144627	21.979902
Polr3k	4.407002	12.721382	14.083734	13.715787
Polrmt	3.966793	9.306369	6.510493	5.850619
Pom121	17.929869	20.183828	17.923628	16.012182
Pom121l12	0	0	0	0
Pom121l2	0	0	0	0
Pomc	0	0	0	0
Pomgnt1	16.660097	34.350216	26.335024	29.605705
Pomgnt2	3.694134	7.881431	6.488294	8.256833

Pomk	5.494032	10.804248	11.508812	8.548051
Pomp	139.217087	188.391617	201.216583	201.525253
Pomt1	3.214329	12.846257	13.288494	7.666133
Pomt2	3.8557	6.949851	5.44687	4.594774
Pon1	0	0.112172	0	2.372883
Pon2	16.473059	23.728943	25.252089	36.742355
Pon3	6.859869	8.849483	15.451369	14.349887
Pop1	0.638134	4.304454	2.692796	4.107499
Pop4	16.819574	23.389202	25.425112	22.85013
Pop5	19.394775	22.810026	31.029058	36.466145
Pop7	7.104434	11.846496	15.024559	16.339094
Popdc2	0.610897	0.598813	0.090022	1.106066
Popdc3	0	0.366754	0	0
Por	91.563774	64.229866	71.411354	69.114799
Porcn	11.297092	7.853656	8.106462	5.736952
Postn	41.446485	63.390377	13.885988	57.717946
Pot1a	2.156412	6.423845	7.301887	4.54823
Pot1b	0.499035	2.418713	2.248611	2.150822
Poteg	0	0	0	0
Pou1f1	0	0	0	0
Pou2af1	0	0	0	0
Pou2f1	2.790698	2.372936	2.059824	1.877083
Pou2f2	0.322418	0.758661	0.438493	1.067725
Pou2f3	0	0	0	0
Pou3f1	0.032926	0	0	0
Pou3f2	0	0	0	0
Pou3f3	0	0	0	0
Pou3f4	0	0	0	0
Pou4f1	0	0.123397	0	0
Pou4f2	0	0	0	0
Pou4f3	0	0	0	0
Pou5f1	0	0	0	0
Pou5f2	0.727031	0.726308	0.104485	1.02356
Pou6f1	5.667954	1.963841	1.35692	3.409284
Pou6f2	0	0	0	0
Pp2d1	0	0.051179	0	0
Ppa1	16.333956	49.933327	41.005375	42.431522
Ppa2	38.55324	50.148681	63.265812	41.562223
Ppan	64.843117	56.97327	38.789551	43.891068
Ppap2a	14.837038	14.865019	19.025612	11.586795
Ppap2b	31.219862	36.026653	16.971869	38.80299
Ppap2c	18.521493	27.331795	28.52398	23.20385
Ppapdc1a	0	0	0	0
Ppapdc1b	20.681689	20.737386	20.987416	20.802252
Ppapdc2	2.780215	2.285444	4.628253	2.385911
Ppapdc3	0.108672	0.67272	0.24297	0.791731
Ppara	0.039936	0.043312	0	0.4162
Ppard	14.068581	15.657875	12.284239	13.591419
Pparg	14.792956	4.919641	4.989469	12.73959

Ppargc1a	0.030518	0	0	0
Ppargc1b	1.104193	1.364295	1.068882	0.984323
Ppat	6.44567	9.302175	8.307059	6.93353
Ppbp	0.686417	0.190144	0.681339	0.644925
Ppcdc	9.61297	13.527938	16.839809	11.413008
Ppcs	3.452386	6.381608	8.150433	8.275742
Ppdpf	37.729572	34.151733	35.901428	37.242882
Ppef1	0	0	0	0
Ppef2	0	0.130608	0	0.379017
Ppfia1	12.259355	14.798426	9.946137	13.864273
Ppfia2	0	0	0	0
Ppfia3	0	0.112888	0.040478	0.177228
Ppfia4	0.257123	1.45638	1.939119	2.373487
Ppfibp1	50.241435	52.447395	44.921077	37.875935
Ppfibp2	0.16817	0.167667	0.306183	0.589698
Pphln1	11.334295	19.496941	12.864983	11.284953
Ppia	1187.800171	1938.786011	2727.802002	1712.590454
Ppib	533.979614	503.508698	636.232117	560.206665
Ppic	291.444855	418.644592	619.299255	487.462097
Ppid	38.252182	81.997772	74.357536	55.144135
Ppie	27.351526	26.974512	27.069513	25.558609
Ppif	6.753244	16.974426	15.409343	13.126282
Ppifos	1.082017	1.696132	2.29212	0.853442
Ppig	18.901089	13.284615	10.302439	15.110433
Ppih	18.620288	44.942278	56.553546	51.281278
Ppil1	19.238169	79.74173	91.128304	67.194893
Ppil2	20.4314	37.663544	35.933756	30.269689
Ppil3	10.331663	23.291121	30.138935	29.944061
Ppil4	8.995955	8.639108	6.833097	8.773306
Ppil6	0.56995	0	0	0
Ppip5k1	1.953745	2.077398	1.710896	2.365212
Ppip5k2	4.753927	9.308126	7.473058	4.691973
Ppl	2.55247	0.491905	0.910416	0.91402
Ppm1a	45.03857	43.716633	36.345608	33.900986
Ppm1b	17.024268	20.802973	15.996175	16.436134
Ppm1d	5.816367	4.527304	5.651296	5.749243
Ppm1e	0.156941	1.250826	1.363615	0.464148
Ppm1f	7.511715	14.296724	11.567552	10.952727
Ppm1g	39.071583	64.666069	54.961002	52.919243
Ppm1h	0.681824	1.471179	1.218815	2.555973
Ppm1j	1.673668	3.252138	2.599147	3.105543
Ppm1k	0.588328	0.925701	1.531102	1.249254
Ppm1l	1.008796	2.067287	1.72309	1.167024
Ppm1m	10.54513	14.855345	13.186701	17.584191
Ppm1n	0	0	0	0.140452
Ppme1	31.57531	24.237438	21.868155	21.979923
Ppox	25.363447	27.285851	26.867664	19.111053
Ppp1ca	198.47644	294.619873	358.290588	267.909241
Ppp1cb	32.723652	32.302692	41.376423	35.301701

Ppp1cc	35.070271	53.832848	57.623779	48.682194
Ppp1r10	5.366117	12.318506	6.882871	10.011617
Ppp1r11	31.343977	35.479149	36.319485	37.870468
Ppp1r12a	24.435255	14.385624	12.104806	12.933113
Ppp1r12b	1.908277	2.290969	2.133161	1.561752
Ppp1r12c	35.964394	35.066135	27.222265	30.312286
Ppp1r13b	3.148229	3.054766	2.38734	4.168188
Ppp1r13l	13.813321	11.398213	7.370227	8.336478
Ppp1r14a	5.774788	0.718067	1.48251	4.840222
Ppp1r14b	155.171555	183.727875	178.382645	205.761765
Ppp1r14c	0	0.861688	0	0.091986
Ppp1r14d	0	0	0	0
Ppp1r15a	76.224075	23.796265	18.538864	19.074543
Ppp1r15b	21.376995	30.557396	22.634026	27.783443
Ppp1r16a	8.862208	11.158848	6.511008	8.228594
Ppp1r16b	0.073701	0.399359	0.377501	0.344312
Ppp1r17	0	0	0	0
Ppp1r18	91.018348	66.579909	52.855531	59.072343
Ppp1r1a	0	0	0	0
Ppp1r1b	0.118185	0	0	0
Ppp1r1c	0	0	0	0.046621
Ppp1r2	11.445923	9.966388	11.809999	12.415009
Ppp1r2-ps3	0.973564	0.646785	0.572633	0.741256
Ppp1r2-ps7	0	0	0	0
Ppp1r2-ps9	0	0	0	0
Ppp1r21	9.331044	14.819454	12.509989	14.153559
Ppp1r26	0	0	0	0.073625
Ppp1r27	0	2.730773	0	0.292591
Ppp1r32	0.543804	0	0	0
Ppp1r35	16.94869	14.308014	16.912477	17.442667
Ppp1r36	0	0	0	0
Ppp1r37	15.028486	19.740704	12.542879	14.129149
Ppp1r3a	0	0.147548	0	0.016304
Ppp1r3b	11.792459	5.659801	10.80589	8.506783
Ppp1r3c	0.58344	1.179847	0.256882	0.772464
Ppp1r3d	0.532147	0.806555	0.7549	2.089892
Ppp1r3e	0.747772	1.185717	1.032508	1.087738
Ppp1r3f	3.257511	1.666127	1.377793	1.933448
Ppp1r3fos	0.258095	0.257814	0.170029	0.338765
Ppp1r3g	0.254212	0	0.04267	0.125743
Ppp1r42	0	0	0	0
Ppp1r7	7.512063	12.296107	8.619452	9.798564
Ppp1r8	28.553054	49.508423	44.522547	42.920517
Ppp1r9a	0.13973	0.030991	0.190496	0.317849
Ppp1r9b	24.182131	33.48904	22.692482	33.269764
Ppp2ca	88.769249	106.679375	88.072945	80.357216
Ppp2cb	57.438507	44.652542	36.600876	52.949226
Ppp2r1a	164.868103	103.756874	91.604195	79.004929
Ppp2r1b	9.210451	12.628616	10.878607	9.824881

Ppp2r2a	16.216667	15.589882	13.867403	9.463212
Ppp2r2b	0	0	0	0.379254
Ppp2r2c	0	0	0	0
Ppp2r2cos	0	0	0	0
Ppp2r2d	31.504448	22.389242	24.405523	22.1196
Ppp2r3a	2.094919	3.787955	1.567842	2.72407
Ppp2r3c	10.221864	11.986096	16.316584	10.39518
Ppp2r3d	2.240603	2.668655	2.583788	2.933534
Ppp2r4	52.468967	64.748863	59.216042	55.276222
Ppp2r5a	21.21088	23.323872	20.26882	26.450777
Ppp2r5b	8.395908	15.25578	9.195928	14.395085
Ppp2r5c	30.184448	37.402285	40.705571	33.537898
Ppp2r5d	17.003698	24.881433	18.452641	15.131893
Ppp2r5e	8.279978	9.154568	9.493859	8.723943
Ppp3ca	50.855148	54.609754	39.441856	39.68832
Ppp3cb	7.343366	13.779104	13.559834	8.890902
Ppp3cc	8.86838	9.207494	11.209682	8.371196
Ppp3r1	24.315001	22.380737	17.184217	23.418669
Ppp3r2	0	0	0	0
Ppp4c	66.829185	88.062286	75.025269	80.118073
Ppp4r1	18.276209	24.186237	16.481872	15.721143
Ppp4r1l-ps	2.641586	1.812109	2.097776	1.901458
Ppp4r2	17.67445	19.875214	20.169415	17.798046
Ppp4r4	0	0	0	0
Ppp5c	17.167601	33.64967	31.981241	26.709648
Ppp6c	29.880724	19.460253	18.83452	19.512688
Ppp6r1	15.938644	29.002455	20.032713	21.165863
Ppp6r2	4.85648	3.780639	4.910442	4.087789
Ppp6r3	17.694733	19.612304	16.20395	14.965622
Pprc1	27.709328	30.912508	19.243874	19.353235
Ppt1	10.777487	37.190762	39.177502	32.005703
Ppt2	16.134731	21.250748	22.774273	24.420738
Pptc7	5.701029	9.113316	7.00086	8.049613
Ppwd1	3.604963	6.332162	7.632698	5.913253
Ppy	0	0	0	0
Pqbp1	52.829056	37.297304	33.47716	38.548044
Pqlc1	14.307264	14.061705	11.69214	26.639888
Pqlc2	1.811082	3.299789	3.169566	4.184109
Pqlc3	10.136228	14.488321	17.687935	15.44291
Pradc1	7.63863	6.617827	9.657622	11.840744
Praf2	7.421073	10.014045	5.286758	13.693602
Pram1	1.426151	2.556656	3.762182	4.788371
Prame	0	0	0	0
Pramef12	0	0	0	0.352664
Pramef17	0	0	0	0
Pramef25	0	0	0	0
Pramef6	0	0	0	0
Pramef8	2.877054	4.188524	3.267518	3.112389
Pramel1	0	0	0	0

Pramel3	0	0	0	0
Pramel4	0	0	0	0
Pramel5	0	0	0	0
Pramel6	0	0	0	0
Pramel7	0	0	0	0
Prap1	0	0	0	0
Prb1	0	0	0	0
Prc1	6.324629	23.412007	21.081201	13.219486
Prcc	25.592129	27.516382	22.153461	26.146351
Prcp	5.805953	17.500786	20.688543	20.18552
Prdm1	6.606335	3.085946	2.41877	2.686092
Prdm10	1.189104	1.632225	1.405151	1.061665
Prdm11	0	0	0	0
Prdm12	0	0	0	0
Prdm13	0	0	0	0
Prdm14	0	0	0	0
Prdm15	2.239167	3.774956	3.188019	1.96935
Prdm16	0.48174	0.757578	0.738732	0.601411
Prdm2	9.711135	6.873257	7.20007	9.319282
Prdm4	12.792324	11.582927	7.400562	8.719776
Prdm5	0.337628	0	0.117049	0.987489
Prdm6	0	0	0	0.066947
Prdm8	0	0.30417	0.078939	0.186096
Prdm9	1.306738	1.673528	1.586089	1.004071
Prdx1	165.979095	241.896317	355.996826	357.759705
Prdx2	434.118073	467.982574	641.977112	510.138672
Prdx3	21.010286	41.871311	49.998344	38.780167
Prdx4	107.791595	154.263611	236.881638	135.954346
Prdx5	304.871521	218.402756	263.341644	360.67395
Prdx6	162.978151	136.294003	150.738856	129.607829
Prdx6b	0.025272	0.00483	0.017045	0.029065
Preb	16.1644	20.141498	17.102936	18.057177
Prelid1	218.936005	219.968491	222.144989	249.150574
Prelid2	21.999134	10.517344	22.759151	21.721348
Prelp	4.493748	9.55359	2.428279	17.000687
Prep	24.192307	36.177517	24.007215	22.731035
Prepl	4.16905	9.517837	8.41022	6.793977
Prex1	1.4102	6.100393	4.078399	5.846854
Prex2	0.354131	1.207884	1.240075	0.348916
Prf1	0.144754	0	0	0
Prg2	0	0	0	0
Prg3	0	0	0	0
Prg4	0.853353	1.744041	0.946683	2.985486
Prh1	0	0	0	0
Prickle1	2.951496	1.846579	1.20977	2.606668
Prickle2	0.205308	0.090998	0.054046	0.242083
Prickle3	28.577171	23.024059	20.854084	19.812971
Prickle4	0	0	0.383917	0.132889
Prim1	4.330684	18.048344	26.625914	12.08674

Prim2	7.186359	18.381382	19.756203	12.554902
Prima1	0	0	0	0
Primpol	3.174895	3.236527	4.782621	3.006544
Prkaa1	9.797853	11.640171	8.877139	8.848601
Prkaa2	0.162824	0.349736	0.204149	0.133814
Prkab1	18.08691	21.886181	21.74579	21.201612
Prkab2	10.938504	7.275271	9.909451	8.157174
Prkaca	42.298634	52.782882	38.896599	39.678307
Prkacb	16.124466	18.051456	13.997466	18.749109
Prkag1	45.366318	50.63015	53.838921	53.597694
Prkag2	7.100272	11.204765	10.625388	9.291086
Prkag2os1	0	0	0.241987	0.808848
Prkag3	0.157481	0.667147	0.641257	0
Prkar1a	99.033493	108.847931	83.135056	98.197823
Prkar1b	10.65415	5.272327	2.590559	6.991073
Prkar2a	7.3018	15.695581	11.266464	10.191486
Prkar2b	6.625818	18.298044	20.607756	9.937772
Prkca	4.911009	8.794545	5.980333	5.345801
Prkcb	0.077073	1.246129	0.979445	1.333241
Prkcd	40.279785	47.338432	39.820515	49.68536
Prkcdbp	82.352669	89.268669	93.611282	56.223946
Prkce	1.140153	1.569267	0.961005	1.205663
Prkcg	2.065829	0.892594	0.978416	1.037264
Prkch	0.417256	1.43778	1.63385	1.256784
Prkci	8.617655	15.120304	14.72792	11.59055
Prkcq	0	0.578183	0	0.052559
Prkcsh	95.487596	114.460609	95.287169	99.158497
Prkcz	0.063298	0.110886	0	0.17228
Prkd1	0.10496	0.146035	0.130199	0.168634
Prkd2	5.289512	4.860093	5.102226	4.485012
Prkd3	4.934856	10.841957	7.817039	8.053432
Prkdc	0.784849	1.832087	1.693712	1.307234
Prkg1	0.056623	0.145523	0	0.382187
Prkg2	21.162781	42.572315	32.436752	33.287201
Prkra	21.563614	20.468489	26.17865	22.62768
Prkrip1	14.516318	18.226604	18.87484	23.659725
Prkrir	21.562031	30.794592	31.08585	31.513285
Prkx	7.432664	7.787827	4.843673	6.595847
Prl	0	0	0	0
Prl2a1	0	0	0	0
Prl2b1	0	0	0	0
Prl2c1	0	0	0	0
Prl2c2	3.513747	0	5.372414	6.724371
Prl2c3	0.743671	0	3.513206	1.286226
Prl2c4	3.297502	0	0	5.078821
Prl2c5	0	0	0	0
Prl3a1	0	0	0	0
Prl3b1	0	0	0	0
Prl3c1	0	0	0	0

Prl3d1	0	0	0	0
Prl3d2	0	0	0	0
Prl3d3	0	0	0	0
Prl4a1	0	0	0	0
Prl5a1	0	0	0	0
Prl6a1	0	0	0	0
Prl7a1	0	0	0	0
Prl7a2	0	0	0	0
Prl7b1	0	0	0	0
Prl7c1	0	0	0	0
Prl7d1	0	0	0	0
Prl8a1	0	0	0	0
Prl8a2	0	0	0	0
Prl8a6	0	0	0	0
Prl8a8	0	0	0	0
Prl8a9	0	0	0	0
Prlh	0	0	0	0
Prlhr	0	0	0	0
Prlr	0	0	0	0.113253
Prm1	0	0	0.321778	0
Prm2	0	0	0	0
Prm3	0	0	0	0
Prmt1	146.695092	154.270662	190.348419	134.890337
Prmt10	4.151789	9.816855	8.621421	7.225709
Prmt2	13.932783	27.346415	21.693083	23.606364
Prmt3	12.368871	17.373732	15.909485	14.263223
Prmt5	28.549412	34.201168	30.190342	24.361195
Prmt6	6.546391	9.854383	7.81281	6.150038
Prmt7	29.319044	30.202888	33.188637	21.681177
Prmt8	0	0	0	0
Prn	0.115044	1.253563	0	0.509415
Prnd	0	0	3.463814	0
Prnp	85.785112	51.209762	44.643611	83.648885
Prob1	0.516423	2.60972	1.325301	1.828881
Proc	0.301312	0.385951	0	6.508452
Proca1	0.326213	0.465989	0.227821	0.398755
Procr	8.500212	10.410104	11.455707	14.244025
Prodh	1.284545	6.640753	7.532151	3.492061
Prodh2	0	0	0	1.30845
Prok1	0	0	0	0
Prok2	0.234446	0	0	0
Prokr1	0.034698	0.219536	0.157179	0.249956
Prokr2	0.163978	0.05616	0.065178	0.217166
Prol1	0	0	0	0
Prom1	0.180261	0	0	0.270641
Prom2	0	0	0	0.05388
Prop1	0	0	0	0
Prorsd1	5.02786	5.940841	9.323441	11.566404
Pros1	2.842117	11.888927	9.301635	17.318447

Prosc	20.557084	20.301954	21.740346	15.675054
Proser1	7.914981	8.14484	6.733624	8.016679
Proser2	4.804409	0.702362	1.049949	1.16204
Proser3	1.988935	4.189642	4.524018	2.752605
Prox1	0	0	0	0.519764
Prox2	0.975563	1.438278	1.495946	1.603041
Proz	0.162491	0.326524	0.25623	2.33933
Prp2	0	0	0	0
Prpf18	7.183928	11.195837	8.796103	11.397781
Prpf19	14.304983	24.99074	19.86791	16.093971
Prpf3	17.970421	26.698021	19.85305	20.515533
Prpf31	8.308447	19.397703	17.687979	15.669604
Prpf38a	19.643333	27.107327	36.456234	26.354753
Prpf38b	79.24279	61.868553	57.837307	56.284939
Prpf39	19.058832	16.232862	16.664783	14.931154
Prpf4	3.913869	6.161968	4.2465	4.320425
Prpf40a	11.638717	19.311539	14.238767	12.107123
Prpf40b	23.023039	17.178963	12.736372	13.090108
Prpf4b	9.527213	17.899513	14.351428	11.605017
Prpf6	30.199881	25.424515	16.342375	18.785643
Prpf8	38.661221	46.806633	35.115871	26.541395
Prph	0	0	0	0.088384
Prph2	0	0	0	0.066159
Prpmp5	0	0	0	0
Prps1	38.552067	43.777508	64.473953	29.752659
Prps1l1	0	0	0	0.034632
Prps1l3	9.538892	21.450882	18.014809	14.247167
Prps2	2.983059	5.776989	5.514056	2.838419
Prpsap1	42.272438	46.01255	44.055443	37.756741
Prpsap2	7.219616	11.685745	13.611478	8.654633
Prr11	4.039954	9.785365	12.181884	6.18886
Prr12	13.714143	10.984492	7.097484	7.88002
Prr13	69.491036	53.386488	55.106653	75.578095
Prr14	20.566795	19.524704	15.273756	16.708048
Prr14l	2.62873	5.2847	4.650618	5.196159
Prr15	1.695807	1.140856	3.298002	3.346702
Prr15l	1.090532	0	0	0.403422
Prr16	0	0.057233	0	0.051501
Prr18	0.18864	0.514424	0.529022	0.711419
Prr19	0	0	0	0.089781
Prr22	0	0.341945	0.613273	0.506768
Prr23a1	0	0	0	0
Prr23a2	0	0	0	0
Prr23a3	0	0	0	0
Prr27	0	0	0	0
Prr29	0	0	0	0
Prr3	12.105831	14.479853	10.513432	11.247381
Prr30	0	0	0	0
Prr32	0	0	0	0

Prr33	3.218405	6.989644	5.349025	7.905936
Prr36	0.064268	0	0.244787	0.340302
Prr5	2.685702	2.970147	1.663399	3.221283
Prr5l	0.229623	0.710439	0.912415	1.785226
Prr7	5.749257	9.348483	7.863243	6.99991
Prr9	0.29322	0.286923	0	0.19495
Prrc1	23.231388	11.121928	9.411366	12.998431
Prrc2a	82.948067	97.860363	61.786421	60.239738
Prrc2b	27.571457	27.534994	18.22676	14.203727
Prrc2c	17.128471	20.797827	17.54406	11.640211
Prrg1	1.342565	1.719081	2.035887	1.156094
Prrg2	14.895964	12.090093	10.68458	13.182657
Prrg3	0.721416	0.434719	0.355872	0.22086
Prrg4	0.172726	0.074541	0.421905	0.196877
Prrt1	0	0.202205	0	0
Prrt2	2.268839	3.087976	1.773936	2.13999
Prrt3	0.039409	0	0.038988	0.025247
Prrt4	0.028845	0	0	0.051019
Prrx1	21.162226	24.537877	20.801274	18.519907
Prrx2	67.123596	22.71138	11.672071	43.270123
Prrxl1	0	0	0	0
Prss1	0	0	0	0
Prss12	3.548854	0.984526	0.329664	4.183928
Prss16	0	0	0.174208	0.079477
Prss2	0	0	0	0
Prss21	0	0	0	0
Prss22	13.033298	20.72859	22.551067	16.401766
Prss23	18.781843	26.625023	24.313591	22.22031
Prss27	0	0	0	0
Prss28	0	0	0	0
Prss29	0	0	0	0
Prss3	0	0	0	0
Prss30	0	0.551469	0.400013	0.538945
Prss32	0	0	0	0
Prss33	0	0	0	0
Prss34	0	0	0	0
Prss35	0.307447	0	0	0.60919
Prss36	1.094765	1.215754	1.513268	1.376965
Prss37	0	0	0	0
Prss38	0.392892	0	0	0
Prss39	0	0	0	0
Prss40	0	0	0	0
Prss41	0	0	0	0
Prss42	0	0	0	0
Prss43	0	0	0	0
Prss44	0	0	0	0
Prss45	0	0	0	0
Prss46	0.433649	0	0	0.915549
Prss48	0	0	0	0

Prss50	0	0	0.101529	0
Prss51	0	0	0	0
Prss52	0	0	0	0
Prss53	0.399664	1.094652	0.743563	1.379152
Prss54	0	0	0	0
Prss55	0	0	0	0
Prss56	0.148737	0	0	0
Prss57	0.20058	0	0	0.06466
Prss58	0	0	0	0.058808
Prss8	0.079045	0	0.079422	0.124824
Prtg	0.016963	0.047896	0.027644	0.074089
Prtn3	12.272407	2.518317	12.609313	24.280104
Prune	14.412902	13.880347	10.106805	11.315982
Prune2	1.126921	2.095393	1.941043	2.309454
Prx	1.258429	1.587182	1.327806	1.294831
Psap	642.386786	580.588605	592.195546	883.252231
Psapl1	0	0	0	0
Psat1	59.492714	151.402252	173.940762	99.619018
Psca	0	0	0	0
Psd	1.604287	1.791863	1.162431	2.269885
Psd2	0.042988	0	0.042717	0
Psd3	0.631525	0.774887	0.622181	1.1146
Psd4	1.604269	5.59424	4.75517	6.438165
Psen1	22.477848	27.371651	24.176447	21.998623
Psen2	9.211906	9.356337	10.673583	6.439093
Psenen	85.490868	38.034641	53.05777	52.659878
Psg-ps1	0	0	0	0
Psg16	0	0	0	0
Psg17	0	0.442914	0.601528	0.111408
Psg18	0	0	0	0
Psg19	0	0	0	0
Psg20	0	0	0	0
Psg21	0	0	0	0
Psg22	0	0	0	0
Psg23	0	0	0	0
Psg25	0	0	0	0
Psg26	0	0	0	0
Psg27	0	0	0	0
Psg28	0	0	0	0
Psg29	0	0	0	0
Psip1	30.310298	44.663524	39.601836	35.326819
Pskh1	10.581532	13.289482	9.595126	9.923749
Psma1	39.142666	73.555	79.627625	72.928314
Psma2	117.186272	126.778336	176.81723	151.289352
Psma3	94.915527	115.574097	172.66153	145.617554
Psma4	77.045288	104.054848	139.813522	135.453461
Psma5	92.661217	166.321777	227.004486	163.351379
Psma6	240.726334	259.656403	396.084717	308.95575
Psma7	370.068936	346.510635	507.111905	437.179128

Psma8	0	0	0.116342	1.231949
Psmb1	402.843262	252.546478	367.528717	333.119659
Psmb10	15.236677	32.564835	36.966263	41.59436
Psmb11	0.011357	0	0	0.027334
Psmb2	142.627884	201.866638	216.729126	193.081619
Psmb3	165.521957	146.538956	159.886429	170.35434
Psmb4	208.232681	225.563889	270.934814	256.343079
Psmb5	85.738045	96.195618	114.037834	118.995766
Psmb6	193.17009	198.981308	255.858154	253.521194
Psmb7	87.376274	143.289688	159.052261	153.863708
Psmb8	15.355989	29.867386	34.624691	46.210957
Psmb9	3.284758	11.63511	10.367257	16.283815
Psmc1	131.168579	122.921524	122.816635	113.903763
Psmc2	65.783028	81.106331	72.876595	60.753895
Psmc3	108.728638	113.155273	114.147865	120.631165
Psmc3ip	18.388746	21.385227	30.87442	29.154556
Psmc4	62.082821	85.189522	71.410927	80.056664
Psmc5	74.166992	83.86042	73.540871	85.556244
Psmc6	90.767586	88.642403	125.613251	99.353523
Psmd1	60.402424	63.446438	47.767288	51.034378
Psmd10	13.44419	22.197593	33.814579	28.801764
Psmd11	58.853382	63.452061	49.689129	55.0751
Psmd12	46.827686	57.285538	55.520073	46.02636
Psmd13	32.160641	47.478107	53.467869	60.135548
Psmd14	64.03154	101.031975	144.547714	102.842255
Psmd2	104.314951	106.841342	85.975148	96.314624
Psmd3	65.496475	73.850113	57.076782	56.252899
Psmd4	252.269631	139.22377	133.462136	147.434776
Psmd5	25.299652	31.487083	25.458971	26.594944
Psmd6	41.957905	58.667442	61.308094	52.371555
Psmd7	94.243378	112.66333	100.544403	112.940659
Psmd8	200.139084	156.513382	172.553589	174.627625
Psmd9	14.699607	17.083315	15.343582	16.031094
Psme1	86.153267	114.572556	133.190475	121.343208
Psme2	100.929955	154.597276	212.701279	187.317078
Psme2b	7.960488	12.612989	16.015499	16.929947
Psme3	29.820557	51.903877	34.445587	36.63237
Psme4	7.171945	11.061514	9.69559	8.162367
Psmf1	10.158032	8.34462	6.438103	7.083791
Psmg1	20.746176	33.984688	36.919205	29.021269
Psmg2	29.416183	31.395988	27.702513	27.634243
Psmg3	24.298674	35.516132	37.804108	38.351479
Psmg4	49.738047	59.421332	88.667698	82.488428
Psors1c2	1.348844	0.754066	0.232595	0.957302
Pspc1	6.9878	18.260647	18.563303	13.283242
Psph	19.262831	39.23584	40.396873	40.198547
Pspn	0.295572	0	0.390769	0
Psrc1	0.95863	2.54711	3.11356	5.626541
Pstk	15.076056	21.037273	34.362564	24.944056

Pstpip1	7.22297	15.491673	15.911503	19.581078
Pstpip2	0.490284	3.722306	3.659975	3.878963
Ptafr	0.272276	2.327679	2.926371	1.635418
Ptar1	4.353966	4.438032	2.998089	2.899353
Ptbp1	88.167889	116.267074	92.730108	75.067032
Ptbp2	16.292387	12.709137	13.349741	8.727662
Ptbp3	7.821911	3.673337	5.609004	8.449838
Ptcd1	6.746946	7.667695	6.890118	7.457968
Ptcd2	8.929022	15.485799	15.926591	11.479368
Ptcd3	16.086744	32.630016	36.482967	29.356426
Ptch1	4.899508	4.191522	3.57698	2.372048
Ptch2	0	0	0	0.024518
Ptchd1	0.198684	0.764752	0.496491	0.596564
Ptchd2	0	0	0.011259	0.026097
Ptchd3	0	0	0	0
Ptchd4	0.19863	0.067656	0.331378	0.041335
Ptcra	0	0.304575	0	0.459264
Ptdss1	14.267762	20.970539	16.563036	15.806407
Ptdss2	9.222584	17.369116	16.718187	12.849877
Pten	7.40203	8.278361	7.301105	7.901533
Pter	3.05049	5.572592	6.579675	4.287039
Ptf1a	0	0	0	0
Ptf1aos	0	0	0	0
Ptgdr	0	0	0	0
Ptgdr2	0	0.064189	0	0.175623
Ptgds	0	0	0	0
Ptger1	7.936209	12.434164	9.227112	13.110611
Ptger2	0.408392	1.614427	1.267289	2.667815
Ptger3	1.273314	0.084101	0	3.923628
Ptger4	0.882552	1.201661	2.014324	3.958042
Ptges	4.391168	1.156021	0.927678	2.05673
Ptges2	7.78989	12.303197	9.594251	12.32132
Ptges3	50.256607	54.890526	55.958672	47.337017
Ptges3l	6.018859	6.134995	6.14315	7.856705
Ptgfr	0	0.144185	0	0.0526
Ptgfrn	11.919382	31.733368	18.901054	19.52774
Ptgir	0.276853	0.773068	0.574439	0.727485
Ptgis	7.43058	5.032334	3.495397	15.579431
Ptgr1	3.99197	7.794209	12.975283	13.821888
Ptgr2	14.000521	20.773615	28.105878	23.2058
Ptgs1	17.89518	41.933075	53.146919	58.191956
Ptgs2	5.918288	15.364451	8.394909	7.247132
Ptgs2os	0.266265	0.530006	1.034396	0.344564
Ptgs2os2	0.3669	0.923627	1.603923	1.193907
Pth	0	0	0	0
Pth1r	0.483455	1.089539	0.174403	2.639018
Pth2	0	0	0	0
Pth2r	0	0	0	0
Pthlh	2.996411	5.734624	1.883261	1.988521

Ptk2	17.474462	19.676334	16.121408	12.808997
Ptk2b	12.335178	14.148612	6.6338	13.406535
Ptk6	0	0	0	0
Ptk7	3.596585	4.184848	1.282718	5.537964
Ptma	730.558777	976.989868	889.353149	668.24292
Ptms	405.143524	290.081604	203.270142	317.914856
Ptn	1.620584	2.861898	3.114831	4.647295
Ptov1	64.997116	55.238407	48.2915	44.49802
Ptp4a1	8.978023	8.141174	10.108899	12.092821
Ptp4a2	44.392607	55.724683	42.175437	60.323012
Ptp4a3	6.999664	10.279815	6.514988	6.713869
Ptpdc1	3.637536	3.476627	3.24303	2.787682
Ptpmt1	28.116213	29.509174	36.44566	46.111263
Ptpn1	13.448594	22.309114	18.116968	34.184799
Ptpn11	13.939809	13.007759	8.828445	15.399182
Ptpn12	23.691887	29.128378	20.008001	28.797745
Ptpn13	11.246003	18.380594	15.845221	10.376311
Ptpn14	5.838821	8.449563	5.911799	4.941101
Ptpn18	5.652486	13.529387	21.871412	26.989008
Ptpn2	29.468559	22.441775	22.828042	20.805182
Ptpn20	0	0	0	0
Ptpn21	10.460976	12.119781	9.842396	8.485599
Ptpn22	0.925642	1.528961	1.030347	3.854811
Ptpn23	25.176418	21.548151	16.504993	15.02616
Ptpn3	0.735727	1.28923	0.308022	1.19896
Ptpn4	0.81769	0.706355	1.197736	0.88262
Ptpn5	0	0.121561	0.031445	0.203609
Ptpn6	3.64855	28.494926	26.806551	39.531189
Ptpn7	1.360513	5.380729	5.461054	7.670704
Ptpn9	13.476238	15.491386	9.876206	11.201471
Ptpra	38.043434	46.022449	37.249657	35.862732
Ptprb	2.567824	4.527685	4.640197	2.17337
Ptprc	3.412902	10.42464	9.969973	11.33483
Ptprcap	0	0.334349	0.499232	0.274437
Ptprd	0	0.055723	0.024027	0.266082
Ptpre	3.328156	7.188386	5.700865	5.98563
Ptprf	20.117132	17.807676	16.900864	13.121167
Ptprg	3.136958	3.633451	3.562129	2.824042
Ptprh	0	0	0	0
Ptprj	2.341982	3.005304	2.870913	3.824039
Ptprk	7.455494	5.70489	5.01886	4.675727
Ptprm	0.825191	1.674753	1.286943	1.462982
Ptprn	18.458172	46.237595	25.218592	37.638992
Ptprn2	0.021141	0	0	0
Ptpro	0	0.834008	1.671252	1.316967
Ptprq	0	0	0	0
Ptprr	0	0	0	0.099586
Ptprs	61.624087	91.849458	84.710755	75.897052
Ptprt	0	0	0	0

Ptprtos	0	0	0	0
Ptpru	0.440442	0.044608	0	0.112909
Ptprv	0.14236	0.729527	0.406709	0.90149
Ptprz1	0	0	0	0
Ptrf	200.008957	137.081802	108.134712	107.947815
Ptrh1	27.979027	19.664413	17.370371	23.538588
Ptrh2	7.644058	13.623191	15.727676	14.939697
Ptrhd1	2.867631	3.166341	3.694616	4.102664
Pts	9.188888	18.190331	29.707331	33.97588
Pttg1	23.164359	28.52763	42.120879	32.75185
Pttg1ip	119.73204	72.847649	101.335159	87.161926
Ptx3	1.278818	2.341458	0	0.060399
Ptx4	0	0	0	0
Puf60	70.511894	74.816262	61.707987	66.69083
Pum1	12.56474	17.81193	10.7005	11.435755
Pum2	28.053422	27.991137	19.388895	17.884121
Pura	16.711203	11.313114	10.479425	14.733793
Purb	10.253979	11.920905	9.77371	12.26605
Purg	2.531545	4.862843	2.994194	4.529627
Pus1	24.093088	29.54452	23.91027	24.696485
Pus10	3.80808	6.699783	7.846611	5.965568
Pus3	4.270559	9.478284	8.963057	6.801722
Pus7	24.33961	30.958261	28.544744	14.389484
Pus7l	1.51149	3.360477	3.837219	3.476077
Pusl1	8.657125	19.141539	15.851783	15.818515
Pvalb	0	50.117989	0	0
Pvr	20.283352	24.953764	20.783413	19.660095
Pvrl1	14.095282	14.117285	8.845756	12.820831
Pvrl2	17.344227	14.205745	15.410914	21.208279
Pvrl3	4.334253	7.584921	5.431774	6.350504
Pvrl4	0.323761	0.488867	0.41953	1.009116
Pvt1	129.530716	143.021652	278.598633	95.268585
Pwp1	14.425601	18.447128	17.717636	13.899638
Pwp2	9.250456	11.758916	7.518611	8.921851
Pwwp2a	7.233492	8.393897	7.067284	8.312906
Pwwp2b	6.519036	12.054736	8.190263	12.073607
Pxdc1	22.281027	33.341522	21.546803	28.779812
Pxdn	28.623844	69.771172	44.952705	40.920101
Pxk	13.810321	13.890786	13.286695	11.930413
Pxmp2	0.194521	0.873281	2.777645	4.631314
Pxmp4	7.796794	5.467189	7.975966	8.449229
Pxn	45.45744	52.437892	44.528277	41.915097
Pxt1	0	0	0	0
Pxylp1	8.467492	11.796662	12.887854	11.544402
Pycard	7.57587	16.168392	35.692749	47.801231
Pycr1	4.203999	5.767834	3.128676	4.784398
Pycr2	36.026928	43.972775	40.08717	43.573746
Pycrl	7.227414	20.850018	20.180532	18.267273
Pydc3	0	0.056818	0	0.133303

Pydc4	0	0	0	0
Pygb	10.103476	17.54594	15.393091	10.320154
Pygl	20.438597	20.005062	34.741577	44.763233
Pygm	0.749005	23.532175	0.052021	0.394617
Pygo1	0.212794	0.072944	0	0.298477
Pygo2	20.254024	35.574675	23.590789	31.135039
Pyhin1	1.170757	2.039752	2.979949	3.624069
Pyroxd1	4.496692	3.678781	5.6219	3.332767
Pyroxd2	11.666337	3.596584	6.213827	5.248706
Pyurf	1.1755	2.609463	4.630733	3.018038
Pyy	0	0	0	0
Pzp	0.49106	0.84703	0.041657	36.143353
Qars	41.100702	46.955685	40.731208	35.434528
Qdpr	27.862547	33.68211	39.275238	37.597965
Qk	31.961258	30.342968	23.650893	21.128686
Qpct	0.462918	0.875333	1.932818	2.330567
Qpctl	3.353399	6.098435	6.014239	7.129441
Qprt	0	0	0	2.152338
Qrfp	2.57204	3.264287	0.871435	2.716392
Qrfpr	0	0	0.134884	0
Qrich1	28.472521	31.803834	25.149907	27.131542
Qrich2	0	0	0	0
Qrsl1	2.541434	4.649078	4.4045	3.163539
Qser1	4.560304	4.837154	3.934467	3.099335
Qsox1	63.358665	62.858996	65.350342	60.643253
Qsox2	2.742357	7.864525	6.501141	5.774647
Qtrt1	29.7125	22.290384	19.678339	17.17631
Qtrtd1	9.122634	16.645102	14.449376	10.08003
R3hcc1	26.774805	21.631499	25.782533	20.576012
R3hcc1l	5.197107	6.028111	5.306305	5.589994
R3hdm1	20.713003	18.322357	14.014749	14.906668
R3hdm2	19.72014	20.438402	14.407094	16.320329
R3hdm4	66.756912	45.864738	46.394669	47.514984
R3hdml	0	0	0	0
R74862	1.410333	1.118627	0.827563	1.63198
Rab1	41.584354	45.976204	40.240036	49.441895
Rab10	38.866058	41.086178	29.158812	28.932653
Rab10os	9.374382	7.181133	7.750295	11.186005
Rab11a	25.975481	31.300932	32.563484	38.099434
Rab11b	19.075352	15.018939	10.436995	14.45459
Rab11fip1	4.343625	4.992996	3.586967	3.149173
Rab11fip2	1.027748	1.792362	1.551082	1.084693
Rab11fip3	8.960028	12.729034	7.127901	7.958944
Rab11fip4	0	0.040473	0.093943	0.362717
Rab11fip4os1	0	0.077602	0	0
Rab11fip4os2	0	0	0	0
Rab11fip5	24.621853	22.503709	18.356848	18.972156
Rab12	27.503805	29.24309	26.456985	29.432867
Rab13	20.311159	11.530196	12.270493	17.212082

Rab14	42.890339	36.802853	31.608963	39.272026
Rab15	2.380338	1.448679	0.957113	5.61073
Rab17	0.193787	0.118516	0.411907	1.171675
Rab18	21.276457	12.960066	15.786426	17.621549
Rab19	0.261588	0.407265	0.518884	1.831775
Rab1b	33.127934	58.944057	54.000877	57.348904
Rab20	8.172178	4.696852	5.166989	9.558608
Rab21	23.832731	30.376923	23.866804	30.38279
Rab22a	27.185839	22.568394	17.786556	22.00234
Rab23	4.852433	9.446029	6.190877	6.89678
Rab24	25.762859	34.751282	35.869518	38.201729
Rab25	0	0	0	0.64608
Rab26	0	0	0	0
Rab26os	10.172885	27.739336	30.77586	39.020847
Rab27a	0.44806	1.139486	1.977858	1.827375
Rab27b	0.100898	0.218853	0.172297	0.314733
Rab28	14.319016	20.202269	23.198235	15.820705
Rab29	3.841116	8.070924	12.505466	20.342613
Rab2a	71.018005	67.311714	52.076954	71.811554
Rab2b	4.624578	4.184585	3.652281	3.934702
Rab30	0.205726	1.408276	1.36985	0.678728
Rab31	43.586487	67.918335	58.463844	57.322613
Rab32	6.455714	15.708715	22.539679	23.327721
Rab33a	1.572474	0	0	0.19912
Rab33b	6.378179	5.623529	5.64598	7.484811
Rab34	64.609008	51.738692	43.222142	41.540645
Rab35	30.429119	34.595341	27.331373	30.015793
Rab36	0.094569	0.416083	0.525246	0.246231
Rab37	0	0.082195	0.190023	0.372113
Rab38	0	0	0	0.514305
Rab39	0.149669	0.071405	0.228724	0.363641
Rab39b	0.247237	0.297991	0.388299	0.338601
Rab3a	5.723947	10.78567	7.744311	7.570565
Rab3b	0.089556	0	0.0441	0.157113
Rab3c	0	0	0	0
Rab3d	3.212388	3.648636	3.324119	6.314398
Rab3gap1	12.035686	13.831068	11.15453	11.116388
Rab3gap2	11.726783	14.373265	11.906868	10.263071
Rab3il1	1.398908	14.457496	9.022008	15.746418
Rab3ip	15.928934	15.836305	14.223139	11.37426
Rab40b	0.155881	0.181697	0	0.435714
Rab40c	12.431815	13.584332	12.259994	14.544567
Rab42	0	0	0.333192	0.313776
Rab43	9.421142	8.676116	6.117188	10.550508
Rab44	0.867229	1.836447	1.090624	3.430754
Rab4a	9.027377	7.499362	7.768491	6.707045
Rab4b	28.794224	32.260887	27.761728	26.883812
Rab5a	31.704983	25.890471	22.609442	24.928288
Rab5b	17.718428	22.223026	20.226671	19.968777

Rab5c	45.495323	46.546219	95.639546	104.719223
Rab6a	25.286489	21.348945	13.889389	23.175359
Rab6b	1.706098	1.871301	1.417826	2.78397
Rab7	111.226362	118.337973	93.202485	106.701637
Rab7b	3.015544	9.646347	8.694769	6.938204
Rab8a	33.86005	51.126717	44.765732	50.402298
Rab8b	3.957659	8.918029	9.596897	11.874458
Rab9	37.254383	32.413502	42.640194	34.486065
Rab9b	0	0	0	0
Rabac1	173.565338	75.139565	83.059425	98.611275
Rabep1	11.396695	10.992329	10.727652	8.871996
Rabep2	7.191967	10.361832	7.585194	8.595928
Rabepk	13.615576	23.497675	25.697092	23.006561
Rabgap1	11.004656	12.729922	9.504946	10.198257
Rabgap1l	4.188203	6.801104	6.067866	3.509842
Rabgef1	12.701845	10.778918	7.868629	10.586528
Rabggta	8.399761	10.22978	8.404556	8.721462
Rabggtb	95.946451	98.226773	107.084888	87.775707
Rabif	6.575182	12.529531	9.143713	9.973138
Rabl2	0.85621	1.716743	2.881913	2.367759
Rabl3	6.028357	6.287942	6.401924	4.646144
Rabl6	31.317194	36.310097	28.179745	32.864594
Rac1	197.389908	144.725082	136.555435	142.00267
Rac2	4.907104	15.382819	17.986567	30.514038
Rac3	7.201139	8.546113	13.695745	6.109444
Racgap1	14.659842	47.843894	49.425698	29.101081
Rad1	4.069712	16.501523	17.130762	13.857842
Rad17	4.473408	5.378969	4.780325	5.39046
Rad18	3.850096	8.217429	11.644609	6.128232
Rad21	31.934887	43.863586	43.402283	36.679508
Rad21l	0	0	0	0
Rad23a	14.395362	30.364613	20.649873	21.892154
Rad23b	33.479176	43.244957	31.094063	28.73004
Rad50	6.292384	8.67971	8.384296	5.830191
Rad51	1.450432	9.707824	11.993845	7.648433
Rad51ap1	0.807269	10.099676	11.935256	6.61641
Rad51ap2	0	0	0	0
Rad51b	3.396425	9.002679	13.389425	15.941236
Rad51c	0.874179	1.52997	1.976897	1.633812
Rad51d	3.204878	2.559888	3.39994	2.921387
Rad52	8.242527	9.240911	6.963067	8.003464
Rad54b	0.067161	4.904744	6.15283	1.528342
Rad54l	0.14546	3.869477	4.300617	2.848784
Rad54l2	4.277469	5.523371	3.715683	4.143882
Rad9a	12.795681	22.651949	20.058466	18.168303
Rad9b	2.675242	1.381153	2.553356	2.213395
Radil	1.704694	2.172571	1.081362	1.003435
Rae1	44.987152	45.118732	35.411144	32.581329
Raet1a	0.304702	1.46424	0.38403	0.307222

Raet1b	0	0.098091	0.02553	0
Raet1c	0	0	3.441505	0.669602
Raet1d	0	1.223121	3.44002	1.23666
Raet1e	0.466239	2.827568	0.814435	1.493852
Raf1	34.806435	37.566826	33.756897	34.283077
Rag1	0	0	0	0
Rag2	0	0	0	0
Rai1	7.763693	14.486106	10.978674	9.278907
Rai14	59.657735	44.065245	29.679672	56.667358
Rai2	0	0.253777	0	0.229181
Rala	30.470171	19.535105	15.994898	23.579861
Ralb	50.606205	51.533962	55.097633	46.293087
Ralbp1	20.135963	23.505621	16.02915	23.123118
Ralgapa1	3.275432	5.091658	4.47045	3.389371
Ralgapa2	1.898629	2.910296	2.65825	2.522464
Ralgapb	1.669328	2.704674	4.38409	4.645121
Ralgds	10.152292	9.370964	4.868778	9.625626
Ralgps1	0.335284	0.312006	0.716822	0.320827
Ralgps2	5.678967	8.374315	7.778613	5.001988
Raly	133.491172	131.062956	123.010209	124.790466
Ralyl	0	0	0	0
Ramp1	2.302808	2.57225	2.705306	7.256591
Ramp2	1.419189	8.644059	6.233534	5.195498
Ramp3	3.151554	4.427978	4.059795	6.103818
Ran	151.717789	234.480911	343.397949	237.182388
Ranbp1	156.666443	327.074982	323.222107	291.992828
Ranbp10	11.552807	14.076542	9.608896	8.729337
Ranbp17	0.095753	0.091156	0.057577	0.020708
Ranbp2	6.006917	7.779829	7.33321	7.283518
Ranbp3	46.965429	40.643716	30.773329	36.766167
Ranbp3l	0	0	0	0
Ranbp6	1.122834	1.301603	2.467588	1.928337
Ranbp9	23.87981	16.888348	15.769595	16.213715
Rangap1	24.323704	49.580565	38.021913	38.528748
Rangrf	14.958177	22.319021	26.335898	21.831248
Rap1a	21.041412	27.018475	34.430828	35.901455
Rap1b	85.699638	107.516396	142.839584	154.638535
Rap1gap	2.791029	1.896741	1.699169	2.916034
Rap1gap2	1.305674	1.761259	1.128711	2.850311
Rap1gds1	19.598935	32.768886	26.171778	24.427479
Rap2a	7.252347	13.359788	13.005727	15.502795
Rap2b	10.227895	21.707541	19.623829	17.607439
Rap2c	5.898574	10.385379	9.157987	8.061078
Rapgef1	21.268724	17.784575	12.165616	11.973223
Rapgef2	4.409915	4.442271	2.785936	3.328077
Rapgef3	12.660716	19.221529	13.112737	11.98196
Rapgef4	0.212101	0.221641	0.578686	1.328504
Rapgef5	0.211292	0.39422	0.501764	0.341696
Rapgef6	2.945799	5.607527	4.688185	3.586745

Rapgefl1	1.164724	0.586159	0.718223	1.029431
Raph1	4.044343	3.76418	2.608083	4.537175
Rapsn	0	1.30115	0.36498	0.393644
Rara	47.147051	37.237908	30.375816	25.057769
Rarb	0.660674	0.120957	0.062391	1.656271
Rarg	75.070304	49.212679	35.077639	50.957245
Rarres1	2.129671	0.455461	0.982743	5.855067
Rarres2	290.537567	9.400567	7.591916	414.558746
Rars	57.707016	75.230881	57.22266	57.657814
Rars2	6.048857	9.675375	12.164076	8.645667
Rasa1	5.530587	12.270059	7.377361	9.800419
Rasa2	3.57589	4.787901	3.641827	3.740934
Rasa3	38.981419	53.034435	32.968822	38.46917
Rasa4	47.080379	29.106506	28.199097	21.767471
Rasal1	0	0	0	0.089051
Rasal2	2.503577	4.764884	4.28205	3.268667
Rasal3	0.37181	3.575954	4.629472	4.332978
Rasd1	0.183557	0.210957	0.244832	0.144296
Rasd2	0.088175	0.195686	0	0
Rasef	0	0	0	0.019411
Rasgef1a	0.847584	0.207688	0.091302	0.249876
Rasgef1b	2.051529	2.750602	2.800759	2.481414
Rasgef1c	0	0	0	0.107598
Rasgrf1	0	0	0	0
Rasgrf2	0	0	0.03371	0.039735
Rasgrp1	0	0.312708	0.356251	1.579961
Rasgrp2	0.135579	0.524546	2.15709	4.00337
Rasgrp3	0	0.722424	0.934629	0.40889
Rasgrp4	0.796523	3.261872	2.380551	3.042507
Rasip1	1.614862	2.769539	2.0855	2.311498
Rasl10a	0.586607	1.453655	0.468022	1.03005
Rasl10b	0	0.048755	0	0.115133
Rasl11a	6.306789	1.349482	2.798241	20.861914
Rasl11b	4.995031	3.996686	1.385593	8.338366
Rasl12	0.899279	0.788138	0.89361	0.519976
Rasl2-9	0.630273	0.523854	0.900896	1.212639
Rassf1	55.063248	44.546774	43.900288	49.767208
Rassf10	0.099194	0	0	0.032753
Rassf2	1.710491	5.19585	4.506999	5.240516
Rassf3	3.191304	6.879647	9.604648	17.255795
Rassf4	4.750595	6.035895	6.943924	8.932425
Rassf5	3.973648	8.174245	6.512551	10.465865
Rassf6	0	0	0	0.228853
Rassf7	6.542453	4.170729	5.394207	4.602866
Rassf8	31.167181	12.074626	9.70061	10.309135
Rassf9	0	0.140227	0.092997	0.408513
Raver1	23.696337	41.050484	27.070282	23.614183
Raver2	0	0	0	0
Rax	0	0	0	0

Rb1	1.686878	2.538392	2.596649	2.351319
Rb1cc1	4.661911	4.011007	4.342657	3.922607
Rbak	3.43082	3.73179	3.8991	4.479971
Rbakdn	0	0	0	0
Rbbp4	48.049301	71.24926	82.037971	60.942108
Rbbp5	9.674584	12.375694	10.052905	9.202337
Rbbp6	24.365254	19.88392	13.82196	19.375749
Rbbp7	51.909744	93.01944	87.157303	61.406845
Rbbp8	2.889062	7.785885	9.125518	6.588518
Rbbp8nl	0	0	0	0.049057
Rbbp9	5.694753	11.062395	10.169044	7.400881
Rbck1	31.249623	44.386387	38.675546	32.430576
Rbfa	24.2686	29.615702	23.638437	23.947943
Rbfox1	0	0.407901	0	0
Rbfox2	24.967099	39.026617	28.56849	27.69322
Rbfox3	0.098127	0.056012	0.096064	0.111702
Rbks	0.241728	2.149175	4.111012	3.162842
Rbl1	0.766276	7.67874	9.327384	3.881154
Rbl2	6.824449	7.486779	7.65123	7.010544
Rbm10	8.342712	21.047711	15.294473	15.68498
Rbm11	0	0	0	0.043298
Rbm12	4.424772	8.616045	6.788114	6.88446
Rbm12b1	3.510925	4.954494	4.550457	5.25854
Rbm12b2	3.290133	5.984311	5.434655	6.491612
Rbm14	7.029143	16.414343	14.695951	13.481267
Rbm15	8.778717	7.745313	7.114515	6.501562
Rbm15b	13.136676	15.42471	8.16833	10.759312
Rbm17	80.86937	77.922592	56.603706	64.182137
Rbm18	21.113797	18.225781	14.360279	17.967249
Rbm19	5.892417	8.789377	6.35168	4.466777
Rbm20	0	0.076979	0	0.014793
Rbm22	47.30299	38.541447	31.34297	33.877117
Rbm24	0	1.03826	0	0
Rbm25	98.630409	52.629116	49.907818	57.926785
Rbm26	7.160186	9.968204	7.732184	6.167038
Rbm27	4.293324	4.912011	3.555834	3.979698
Rbm28	11.862893	16.69569	13.964986	13.448729
Rbm3	387.428138	437.209816	830.664047	442.211097
Rbm31y	0	0	0	0
Rbm33	12.99612	11.457582	11.277159	9.760189
Rbm34	10.163879	9.771488	9.699437	8.764128
Rbm38	20.676439	15.409585	10.571909	12.566672
Rbm39	76.798965	61.27289	62.440437	58.274979
Rbm3os	0.255032	0.515541	0.642935	0
Rbm4	4.835391	9.682465	10.05184	11.651954
Rbm41	2.264276	2.775319	2.766929	2.486538
Rbm42	35.277374	28.200069	23.851068	29.970051
Rbm43	2.106735	4.287688	5.97613	5.395778
Rbm44	0	0	0	0

Rbm45	9.332661	17.508316	15.922474	16.569731
Rbm46	0.164351	0	0	0.160566
Rbm46os	0	0	0	0
Rbm47	1.411163	1.768253	1.698053	3.168788
Rbm48	3.102625	2.934932	3.150631	3.864008
Rbm4b	5.335965	8.237527	8.703515	10.172487
Rbm5	32.784843	33.392723	29.85965	34.730721
Rbm6	16.228517	17.182695	12.702823	16.992394
Rbm7	61.557977	53.763026	80.659084	79.871253
Rbm8a	63.097269	40.535903	41.186448	42.1776
Rbms1	62.195047	58.580187	46.32517	52.936361
Rbms2	15.420534	19.304729	14.988342	16.831821
Rbms3	0.976444	0.89921	0.141631	1.465778
Rbmx	7.250705	12.11997	16.151429	12.753973
Rbmx2	11.734551	11.320518	9.195762	10.318147
Rbmxl1	29.669891	44.944154	40.714393	33.945366
Rbmxl2	0	0	0	0.039432
Rbmy	0	0	0	0
Rbp1	9.499613	13.738947	13.131401	41.854233
Rbp2	18.328207	11.7942	17.059752	13.271389
Rbp3	0	0	0	0.044005
Rbp4	5.849227	2.398952	0.316922	96.796529
Rbp7	0	0.570479	0.580291	0.185677
Rbpj	22.458419	29.289365	27.05088	14.792496
Rbpjl	0	0	0	0
Rbpms	11.784568	3.665352	3.512198	7.909064
Rbpms2	1.857859	1.906442	0.553509	2.843014
Rbsn	7.525053	7.995156	6.468727	5.903874
Rbx1	48.352699	54.02158	63.007511	65.349876
Rc3h1	4.483143	4.359707	3.744126	4.300707
Rc3h2	5.212082	5.325753	3.621482	4.900427
Rcan1	10.36741	18.678108	7.993823	14.799848
Rcan2	0.265821	1.283183	1.195475	0.544502
Rcan3	5.426225	6.070405	5.239851	5.768301
Rcbtb1	8.172327	13.366085	12.319693	8.288394
Rcbtb2	8.012916	9.597289	12.109643	11.250182
Rcc1	16.267858	34.739123	29.778622	23.398607
Rcc2	115.377518	132.790527	98.889305	87.995735
Rccd1	3.222455	3.489558	3.940686	3.565282
Rce1	17.912615	17.01417	17.047794	18.634338
Rchy1	7.949635	10.820601	14.068655	17.360693
Rcl1	17.63722	34.183708	31.566475	24.233324
Rcn1	31.665922	58.77774	41.583271	47.682056
Rcn2	32.402721	54.786075	56.116184	58.557057
Rcn3	48.92189	41.992939	31.356163	94.580101
Rcor1	14.880726	17.576939	12.878732	11.459656
Rcor2	58.707516	30.946209	31.444349	20.89867
Rcor3	14.56312	11.102066	6.282507	8.023075
Rcsd1	2.470409	3.874458	3.741976	5.044626

Rcvrn	0	0	0	0
Rd3	0.167022	0	0.076431	0.159518
Rd3l	0	0	0	0
Rdh1	0.20885	0.109071	0	0
Rdh10	13.502918	27.916124	19.596886	17.212856
Rdh11	16.741589	15.265208	22.561554	11.318079
Rdh12	0.503239	0.126729	0.323573	0.241789
Rdh13	5.643082	7.591716	7.877138	7.747499
Rdh14	9.230364	11.694826	16.524111	12.882565
Rdh16	0	0	0	0.08142
Rdh18-ps	0	0	0	0
Rdh19	0	0	0	0
Rdh5	1.449417	2.693694	1.724245	2.336474
Rdh7	0	0.133006	0	8.691545
Rdh8	0	0	0	0
Rdh9	0.190037	0.165438	0	0.973556
Rdm1	15.694264	12.260303	15.717917	18.476593
Rdx	34.407099	32.589697	24.276012	21.240515
Rec114	0	0	0	0.718507
Rec8	0	0	0	0
Reck	0.646116	0.608086	0.771785	1.203202
Recql	1.999937	7.811578	4.356354	2.719182
Recql4	4.610961	5.678811	4.70537	4.233852
Recql5	3.09525	6.4592	4.90491	5.610298
Redrum	0	0	0	0
Reep1	0.442279	0.25598	0.232706	0.348558
Reep2	0.102916	0	0.355209	0.463703
Reep3	16.00083	7.298015	14.91622	14.249159
Reep4	18.291723	26.952545	30.61799	22.85725
Reep5	47.90659	55.445786	54.443295	56.182938
Reep6	9.947778	13.878112	12.211183	13.848226
Reg1	0	0	0	0
Reg2	0	0	0	0
Reg3a	0	0	0	0
Reg3b	0	0	0	1.599824
Reg3d	0	0	0	0
Reg3g	0	0.493358	0	0
Reg4	0	0	0	0
Rel	0.478921	0.933741	0.956346	0.993745
Rela	42.981346	35.969631	24.719675	31.135555
Relb	15.826606	13.180256	10.190409	13.475403
Rell1	16.429758	10.568442	9.108724	12.566972
Rell2	0.268295	0.265873	0.639848	0.127392
Reln	0	0	0	0.343686
Relt	3.536167	7.856483	8.126328	12.452217
Rem1	0.154567	0.948532	1.007159	1.972676
Rem2	0.3652	0	0.208066	0.242386
Ren1	0	0	0	0
Ren2	0	0	0	0

Renbp	10.834356	9.4636	7.450893	17.607016
Rep15	0.892177	3.542936	1.150647	1.970242
Repin1	11.486981	6.463244	7.908061	9.739626
Reps1	23.13	22.768499	17.378362	16.107092
Reps2	0	0.027444	0.121338	0.203417
Rer1	54.079124	67.584984	71.552025	80.202248
Rere	20.215759	14.06435	10.976383	9.826219
Rerg	0.695605	0.163391	0	0.397256
Rergl	0	0	0	0
Resp18	0	0	0	0
Rest	7.284518	9.454616	7.515938	7.293724
Ret	0.047252	0.121682	0.040068	0.090351
Retn	0.127886	0	0	0
Retnla	0	0	0	0.579786
Retnlb	0	0	0	0
Retnlg	1.953913	0	3.641811	0.950841
Retsat	9.96439	16.638725	18.922043	11.437259
Rev1	6.282664	9.04837	6.74486	5.550719
Rev3l	1.472911	1.293061	1.19324	0.736902
Rex2	0	0	0	0
Rexo1	10.633992	11.460279	8.639504	8.109624
Rexo2	20.802	52.574886	52.870899	49.780834
Rexo4	10.543703	18.823191	17.5296	19.127575
Rfc1	9.210219	16.175228	14.837728	10.083232
Rfc2	18.592501	35.386971	37.619926	28.734888
Rfc3	30.453051	39.83955	45.173061	32.266033
Rfc4	16.217146	20.813694	25.706589	13.415212
Rfc5	9.539992	25.901363	36.976337	21.285456
Rfesd	3.406059	2.846524	3.565136	3.95093
Rffl	3.030231	3.367747	3.844376	4.34568
Rfk	11.372305	14.294053	13.614576	15.248723
Rfng	14.453883	15.956217	13.272251	15.218265
Rfpl4	0	0	0	0
Rfpl4b	0	0	0	0
Rft1	6.116704	10.011981	13.475512	8.433276
Rftn1	6.558295	12.583884	11.241498	11.494868
Rftn2	0.745469	1.065012	1.063982	1.625509
Rfwd2	6.767493	8.353717	7.064607	8.121054
Rfwd3	7.735306	16.125938	13.397243	10.928375
Rfx1	7.676859	8.079373	6.789202	6.087221
Rfx2	0.141682	1.13643	0.93696	0.736981
Rfx3	0.382827	0.681792	0.921553	0.333751
Rfx4	0	0	0	0
Rfx5	4.065701	4.712519	4.826772	3.862582
Rfx6	0	0	0	0
Rfx7	1.796711	4.427801	2.943758	2.452847
Rfx8	0	0	0	0
Rfxank	1.426817	7.633063	5.324096	7.984721
Rfxap	13.275264	9.740441	7.832228	10.003031

Rgag1	0	0	0	0.026158
Rgag4	5.270215	2.11641	1.698104	3.83202
Rgcc	50.854656	19.157024	36.710476	17.62129
Rgl1	4.109482	3.713913	1.946447	6.069238
Rgl2	22.271065	28.50716	26.902895	22.12183
Rgl3	3.167031	2.369421	2.305933	4.011548
Rgma	3.950907	4.72199	4.374183	3.109671
Rgmb	9.674953	5.947017	4.962459	8.120334
Rgn	0.062966	0	0.093019	2.757365
Rgp1	9.703431	10.209042	6.77145	9.867627
Rgr	0	0	0	0
Rgs1	58.600616	24.202499	17.140102	11.271749
Rgs10	8.171815	37.784115	53.203304	59.09362
Rgs11	5.672883	3.890671	4.191701	5.293696
Rgs12	5.898127	3.701414	2.597335	2.41068
Rgs13	0	0	0	0
Rgs14	0.473387	4.5267	4.522334	6.265524
Rgs16	44.532967	57.463329	45.332844	29.681057
Rgs17	1.214769	0.367199	0.078162	1.077947
Rgs18	0	1.139043	1.810783	0.181926
Rgs19	12.085914	28.80495	24.353784	29.954647
Rgs2	6.701864	6.996171	9.256829	8.798768
Rgs20	0	0.533771	0.231726	0.161551
Rgs21	0	0	0	0
Rgs22	0	0	0	0
Rgs3	2.455332	4.128807	3.600254	4.086819
Rgs4	0.597818	0.288533	1.33544	1.003111
Rgs5	0.49125	4.199569	4.877545	1.282151
Rgs6	0	0	0	0
Rgs7	0	0	0	0
Rgs7bp	0	0.029121	0	0.098664
Rgs8	0.281297	0.237925	0.17794	0.098139
Rgs9	0.070931	0.11947	0.099038	0.098907
Rgs9bp	0.052661	0.038476	0.149512	0.024908
Rgsl1	0	0	0	0
Rhag	0	0	0	0
Rhbdd1	9.295798	13.90964	13.879813	10.743029
Rhbdd2	6.069189	6.358501	4.741429	5.588125
Rhbdd3	6.272199	6.312149	6.818931	8.011163
Rhbdf1	35.741058	35.294611	22.71524	21.742937
Rhbdf2	17.656555	18.667824	13.067734	19.535622
Rhbdl1	2.139028	5.059428	2.390055	3.870943
Rhbdl2	0	0	0.702876	0
Rhbdl3	0.140844	0.223914	0	0.231125
Rhbg	0	0	0	0
Rhcg	0	0	0	0
Rhd	1.800185	1.739002	1.938016	1.27691
Rheb	47.380878	59.786415	63.789684	69.687088
Rhebl1	20.662142	15.647943	15.485126	15.74682

Rhno1	23.634051	27.643732	7.448785	25.270997
Rho	0	0	0	0.049745
Rhoa	248.105438	219.758286	210.050323	223.21698
Rhob	70.337708	138.733643	85.730148	126.878632
Rhobtb1	4.252342	3.006039	2.594464	2.61305
Rhobtb2	4.065508	10.056705	7.992971	5.023839
Rhobtb3	7.7939	13.386058	11.190071	6.0176
Rhoc	455.964264	294.746809	245.244482	338.534533
Rhod	17.243471	14.964029	16.004204	21.465906
Rhof	0.276868	2.175227	1.101411	1.671691
Rhog	36.152336	54.961643	46.215885	62.339619
Rhoh	0.169843	1.46425	0.990132	1.292088
Rhoj	7.797533	3.758495	2.138407	7.027229
Rhoq	14.445829	19.294817	15.282228	19.073994
Rhot1	11.199688	11.880102	12.541152	10.644409
Rhot2	13.354245	17.479929	14.446748	13.106263
Rhou	17.453508	10.146287	9.472612	14.603859
Rhov	1.774932	0.725156	1.223567	0.800533
Rhox1	0	0	0	0
Rhox10	0	0	0	0
Rhox11	0	0	0	0
Rhox12	0	0	0	0
Rhox13	0	0	0	0
Rhox2a	0	0	0	0
Rhox2b	0	0	0	0
Rhox2c	0	0	0	0
Rhox2d	0	0	0	0
Rhox2e	0	0	0	0
Rhox2f	0	0	0	0
Rhox2g	0	0	0	0
Rhox2h	0	0	0	0
Rhox3a	0	0	0	0
Rhox3c	0	0	0	0
Rhox3e	0	0	0	0
Rhox3f	0	0	0	0
Rhox3g	0	0	0	0
Rhox3h	0	0	0	0
Rhox4a	0	0	0	0
Rhox4b	0	0	0	0
Rhox4c	0	0	0	0
Rhox4d	0	0	0	0
Rhox4e	0	0	0	0
Rhox4f	0	0	0	0
Rhox4g	0	0	0	0
Rhox5	9.31536	19.152365	7.634123	8.214097
Rhox6	0	0	0	0
Rhox7a	0	0	0	0
Rhox8	0	0	0	0
Rhox9	0	0	0	0

Rhpn1	0	0	0	0
Rhpn2	0.100867	0.095411	0.071593	0.263747
Rian	0.479009	7.085492	2.694562	5.717994
Ribc1	1.017846	0.88758	0.980477	0.865332
Ribc2	0	0	0	0
Ric1	5.219063	5.998249	5.97973	6.150435
Ric3	0.028225	0.040278	0	0.021893
Ric8	16.734514	25.189209	20.51239	26.07052
Ric8b	2.625735	2.773665	2.842193	3.573864
Rictor	12.797973	8.142567	7.381418	6.463772
Rif1	2.08676	4.978736	4.815659	3.070611
Riiad1	1.48873	0	0.469418	0
Rilp	2.183006	1.054206	1.09607	2.218163
Rilpl1	14.881385	13.635577	10.135336	12.980986
Rilpl2	26.732515	25.223593	35.386372	33.959946
Rimbp2	0	0	0	0
Rimbp3	0	0.007255	0	0.049494
Rimkla	0	0	0	0
Rimklb	0	0.04915	0	0
Rims1	0	0	0	0
Rims2	0	0	0.013301	0
Rims3	0	0	0	0.137042
Rims4	0	0	0	0
Rin1	18.610037	36.674034	23.835449	18.52792
Rin2	18.638769	25.236019	14.011661	25.870926
Rin3	4.552916	5.95672	4.526256	8.484931
Ring1	6.270366	7.512306	7.291211	7.81711
Rinl	0.859069	2.14142	2.659676	4.281838
Rint1	7.639955	10.219882	9.251731	7.983711
Riok1	12.446093	10.684518	9.51865	9.648222
Riok2	13.974371	15.547941	15.952894	14.377748
Riok3	42.508553	28.613348	30.430437	31.169159
Ripk1	8.206187	9.854875	8.012185	10.824078
Ripk2	8.247466	11.12632	9.288352	13.379603
Ripk3	3.813862	6.240163	6.298968	6.600495
Ripk4	0.083381	0	0	0.174838
Ripply1	0	0	0	0.473376
Ripply2	0	0	0	0
Ripply3	0	0	0.125385	0.196388
Rit1	22.416945	17.75911	19.89414	28.105742
Rit2	0	0	0	0
Rita1	4.519914	7.536632	6.929517	9.243236
Rlbp1	0	0	0	0
Rlf	12.698498	5.633894	7.731627	5.464967
Rlim	11.812267	11.84773	11.941931	10.038879
Rln1	0	0	0	0
Rln3	0	0	0	0.543795
Rltpr	0	0.434397	0.160993	0.443565
Rmdn1	1.215024	2.837638	3.428107	3.527764

Rmdn2	3.794204	2.820739	3.051061	3.94643
Rmdn3	17.553448	19.548655	19.151541	19.576645
Rmi1	1.911085	3.383608	3.678802	3.613978
Rmi2	0.174246	1.188778	1.241062	0.766874
Rmnd1	3.903801	7.268125	10.219791	8.932936
Rmnd5a	9.673609	9.233078	6.620156	8.192784
Rmnd5b	11.289322	12.269325	8.793687	11.150919
Rmrp	2.55159	4.138995	7.157672	13.429465
Rmst	0	0	0	0
Rn4.5s	0	0	0.258096	0.324686
Rn45s	3901.362061	956.573364	1049.610718	1164.637817
Rnase1	0	0	0	0
Rnase10	0	0	0	0
Rnase11	0	0	0	0
Rnase12	0	0	0	0.264123
Rnase13	0	0	0	0
Rnase2a	6.21079	1.752875	11.200301	19.272951
Rnase2b	0	0	0.035466	0.323228
Rnase4	43.384516	107.416695	123.625246	99.181667
Rnase6	0	0.237696	0.819011	1.788449
Rnase9	0	0	0	0
Rnaseh1	15.181196	22.786728	18.99466	17.714964
Rnaseh2a	17.487001	24.95495	29.833862	21.77306
Rnaseh2b	5.86306	10.337449	14.164205	11.041906
Rnaseh2c	37.552765	49.693817	65.341705	74.549416
Rnasek	104.789299	98.534882	87.422455	137.127792
Rnasel	1.910197	2.694383	3.213447	5.695669
Rnaset2a	27.126238	50.346294	72.973587	91.766342
Rnaset2b	34.348002	64.244695	68.232813	81.929636
Rnd1	6.651912	3.242796	4.216613	4.455169
Rnd2	2.01018	1.761609	2.578237	2.489974
Rnd3	12.961329	9.735518	6.511927	15.615782
Rnf10	64.744469	53.032991	45.956569	52.254276
Rnf103	6.47321	5.336906	5.019132	5.811174
Rnf11	27.385117	28.652849	24.60074	32.933857
Rnf111	7.230402	10.487684	6.992809	7.868516
Rnf112	0	0	0	0
Rnf113a1	4.229094	3.274915	4.595903	2.600837
Rnf113a2	5.716518	3.98997	5.132957	6.236184
Rnf114	31.781574	20.49119	18.573133	25.289169
Rnf115	14.145002	13.970475	13.490012	11.292436
Rnf121	10.855296	16.301258	17.21566	17.366514
Rnf122	1.891823	3.12301	2.822994	2.722761
Rnf123	8.297462	9.705574	7.956025	6.926913
Rnf125	0.222882	0.251901	0.166108	0.963868
Rnf126	51.665142	44.745574	40.180374	39.943977
Rnf128	7.759284	1.80505	4.665619	5.141526
Rnf13	17.665439	20.744326	36.325335	24.973998
Rnf130	14.524684	23.629044	33.607682	41.706795

Rnf133	0	0	0	0
Rnf135	2.659464	5.06275	4.698984	5.861417
Rnf138	6.051351	5.138638	6.411826	3.764826
Rnf138rt1	0	0	0	0
Rnf139	5.540617	5.987394	6.838438	6.873177
Rnf14	6.800642	12.162483	16.983344	17.671497
Rnf141	3.484661	11.01723	12.155282	12.411029
Rnf144a	0.373541	0.270608	0.427422	0.347901
Rnf144b	1.327076	0.278037	0.341048	0.779661
Rnf145	15.689208	25.812999	20.025228	21.230482
Rnf146	7.842476	10.329405	8.831089	7.96305
Rnf148	0	0	0	0
Rnf149	41.558735	43.450893	35.68272	67.452812
Rnf150	0.47516	0.774393	0.435287	1.118635
Rnf151	0	0	0.225484	0.235821
Rnf152	0.060037	0.034823	0.045956	0.111972
Rnf157	0.8363	2.780705	2.479405	2.059899
Rnf165	0.124179	0.023249	0.013401	0.087357
Rnf166	20.799229	17.166021	16.003361	24.060251
Rnf167	38.629284	19.317917	21.893442	21.215012
Rnf168	3.020234	6.547624	6.481834	5.529887
Rnf169	9.931238	5.182042	5.942549	7.260888
Rnf17	0	0	0	0
Rnf170	2.432579	3.290096	3.575933	3.378324
Rnf180	0	0.805157	0.769309	0.828504
Rnf181	71.378075	54.845146	57.008003	68.246292
Rnf182	0	0	0	0
Rnf183	0	0.211137	0.350258	0.693574
Rnf185	8.576908	8.385243	6.023821	8.898361
Rnf186	0	0	0	0.267632
Rnf187	57.580982	66.791435	59.96413	67.584091
Rnf19a	14.768791	9.787456	9.260329	9.545775
Rnf19b	54.71418	46.469154	40.172924	31.462749
Rnf2	17.302069	20.450275	16.200146	15.428379
Rnf20	12.89617	17.251851	14.10018	14.214057
Rnf207	0.313703	0.581464	0.346775	0.231174
Rnf208	0.328626	0.095489	0.213763	0.216556
Rnf214	8.277111	8.466637	7.756087	7.778219
Rnf215	10.384877	12.881177	11.543679	13.516656
Rnf216	12.322309	12.208656	4.787242	9.683076
Rnf217	6.783433	4.687345	4.114389	4.707868
Rnf219	1.982932	4.234766	4.189069	3.38183
Rnf220	16.2111	17.492533	13.89834	14.955261
Rnf222	0	0	0	0
Rnf223	0.42762	0.743579	0.301491	0.416674
Rnf224	0	0	0	0
Rnf225	0.28273	0.220458	0.105358	0.420048
Rnf24	5.023233	6.774445	6.137666	4.03528
Rnf25	24.795763	26.122194	21.784717	26.426829

Rnf26	7.627418	10.760423	10.710429	9.521104
Rnf31	9.535732	8.053067	6.385323	7.603828
Rnf32	0	0	0.106236	0.108425
Rnf34	7.741678	17.543324	12.693838	12.791313
Rnf38	8.837213	6.672395	7.279258	7.044626
Rnf39	0.10281	0.116586	0.67926	0.158422
Rnf4	37.936778	58.226286	49.534087	41.902077
Rnf40	24.012903	20.196413	14.512705	18.599571
Rnf41	9.154259	10.321384	9.670787	9.137124
Rnf43	0	0	0	0.080604
Rnf44	27.674354	29.079761	17.331334	21.079805
Rnf5	17.49444	35.246098	32.951023	34.070702
Rnf6	11.618772	15.907437	14.50031	13.865123
Rnf7	58.970352	69.982559	106.576698	124.014046
Rnf8	13.11715	19.816444	15.361806	13.638783
Rnf8-cmtr1	1.582174	0.898117	2.250735	0.941032
Rnft1	4.774778	7.533077	8.777942	9.070328
Rnft2	0.493115	1.699682	1.706511	0.929894
Rngtt	2.130485	4.048224	4.562202	4.132421
Rnh1	114.590629	91.884768	102.876515	92.108068
Rnls	0.094449	0.182184	0.48991	0.655117
Rnmt	10.363675	14.081515	12.846269	11.270495
Rnmtl1	4.069288	9.622127	7.114761	6.249901
Rnpc3	1.908244	2.893825	3.04933	2.586681
Rnpep	10.001842	21.654613	20.864439	24.872275
Rnpepl1	11.49644	15.217225	9.965891	16.342787
Rnps1	80.00618	47.303824	40.359706	34.3604
Rnu11	5.028831	0.350954	8.735864	1.640977
Rnu12	0.991084	0	1.08332	0.193478
Rnu6	0	0	0	0
Rnu7	0	0	0	0
Rnu73b	7.00738	8.60528	2.783435	2.016529
Robo1	0.126156	0.464579	0.084586	0.581763
Robo2	0.018474	0	0	0.122526
Robo3	0	0	0	0
Robo4	1.459289	2.824191	2.80751	1.430135
Rock1	6.411839	6.1182	4.761469	5.36363
Rock2	31.196621	30.413322	23.361555	22.560589
Rogdi	6.399003	10.403187	8.987576	9.550553
Rom1	3.651725	2.565377	2.738955	2.78121
Romo1	107.12364	126.980095	164.993911	211.624699
Ropn1	0	0	0	0
Ropn1l	0	1.136408	1.674583	2.37361
Ror1	0.749515	0.927476	0.832097	0.748216
Ror2	1.07979	1.08612	0.377397	1.062812
Rora	1.888912	0.453489	0.205574	1.494948
Rorb	0	0	0	0
Rorc	0.375522	0.422882	0.086956	0.70043
Ros1	0	0	0	0

Rp1	0	0	0	0
Rp1l1	0	0	0	0
Rp2h	2.138705	5.594446	7.702546	6.275305
Rp9	47.530907	21.623697	24.265011	33.273418
Rpa1	13.815785	36.864967	35.304375	28.909887
Rpa2	6.282424	16.447395	12.490069	12.712203
Rpa3	24.530613	66.658905	114.401047	84.974312
Rpain	17.456281	18.793727	29.277782	29.182203
Rpap1	8.843916	11.048847	7.525115	6.358205
Rpap2	11.178516	13.246749	12.839091	10.370297
Rpap3	11.326711	12.841411	11.577348	10.555664
Rpe	7.842123	14.708116	15.200366	14.478374
Rpe65	0	0	0	0
Rpf1	24.555837	28.642458	35.309342	25.888777
Rpf2	12.812656	15.937275	24.268543	18.321044
Rpgr	0.295533	0.842282	0.985462	0.519656
Rpgrip1	0	0	0	0
Rpgrip1l	0.181654	1.010566	1.127425	0.766207
Rph3a	0	0	0	0
Rph3al	1.385656	0.832375	0.531103	0.758287
Rpia	9.066839	9.240477	9.623831	11.213846
Rpl10	1893.95459	1526.44751	1948.428711	1269.178955
Rpl10a	1783.44165	1354.119629	1998.337769	1458.753784
Rpl10l	0	0	0	0.056738
Rpl11	2203.510742	1361.835449	1953.631958	1798.606689
Rpl12	10340.38379	6500.806641	9080.666016	6560.285156
Rpl13	2591.40918	1636.681396	1896.507935	1471.813843
Rpl13a	7207.338379	4100.300781	6638.830566	6578.77832
Rpl14	1884.177368	1421.849121	1981.790161	1333.849609
Rpl14-ps1	529.901978	410.29071	554.568542	391.323639
Rpl15	340.020203	268.164551	400.592346	266.681335
Rpl17	5071.477539	3452.399658	5304.773926	3952.592529
Rpl18	1915.976807	1111.162476	1470.025879	1166.018677
Rpl18a	2378.043213	1125.590698	1241.007812	1015.534119
Rpl19	4182.498657	2707.686035	3993.911865	3204.03717
Rpl21	1025.279663	588.219421	753.569092	555.986511
Rpl22	615.825493	364.746746	574.718735	542.824546
Rpl22l1	185.027664	305.569061	488.613373	254.768921
Rpl23	2089.891113	1156.231323	1299.641357	1292.769897
Rpl23a	2888.730957	1976.935791	2428.104004	1761.950439
Rpl24	1942.034058	1121.916138	1675.729248	1494.106567
Rpl26	0.161627	1.212482	0.750759	0.394715
Rpl27	925.263	660.179749	1031.086426	832.738708
Rpl27a	2655.632812	1539.54834	2377.681641	1919.403564
Rpl28	3051.797363	1686.146118	1772.952271	1501.026123
Rpl29	359.808746	266.896423	293.834015	202.087021
Rpl3	1753.531616	1275.620117	1700.744995	1153.916626
Rpl30	1143.67514	825.505341	990.03173	668.562569
Rpl31	1794.197655	904.987641	1585.109356	1578.981552

Rpl31-ps12	337.490234	173.507339	287.843018	280.60556
Rpl32	7503.257812	5018.241699	8837.328125	6748.700684
Rpl34	379.166741	309.365578	443.714027	425.023674
Rpl34-ps1	3222.052246	1853.949585	3191.73291	2739.353027
Rpl35	5521.262207	3601.639648	5489.455078	4646.393066
Rpl35a	2331.860138	1333.167434	2245.282989	1818.264313
Rpl36	4098.625488	2103.273682	3919.242676	3350.860107
Rpl36a	2218.551514	1156.153809	1648.394043	1540.678101
Rpl36al	641.454956	495.949127	758.02417	788.987976
Rpl37	2285.111816	1055.593628	1509.840454	1464.336914
Rpl37a	2236.382812	1066.36377	1364.507568	1459.392456
Rpl37rt	546.360529	260.077495	21.63703	379.586121
Rpl38	3480.706787	1680.037491	2524.563462	2353.443206
Rpl39	1357.748047	983.725769	1679.011475	1229.060547
Rpl39l	0	0.472251	0	0.862358
Rpl3l	0	3.486667	0.286646	2.375884
Rpl4	2394.005127	1449.107788	1446.119629	1219.244019
Rpl41	4299.135742	4115.569336	8026.848633	7653.193848
Rpl5	1656.299683	1044.223755	1930.435181	1641.410889
Rpl6	1360.378662	1048.044189	1521.272339	1059.543823
Rpl7	1919.780396	1333.764526	1601.249634	1381.176636
Rpl7a	1761.401245	1512.901611	1872.211548	1326.403442
Rpl7l1	28.336836	53.063808	55.514851	52.305401
Rpl8	3611.845703	2421.434814	3124.812256	2294.385742
Rpl9	3696.838135	2061.777588	3834.127441	4014.271484
Rplp0	3668.146973	2824.014893	3814.246338	2816.808594
Rplp1	6361.283203	3915.530518	4893.708496	5479.029785
Rplp2	5556.583984	2648.258789	3423.86499	3648.082031
Rplp2-ps1	193.15799	90.82547	116.074654	133.454758
Rpn1	52.89344	78.28672	83.379211	73.426651
Rpn2	65.407494	111.559769	114.373466	105.831894
Rpp14	6.436352	15.818305	18.47064	16.763311
Rpp21	26.603325	36.188946	40.283745	41.215397
Rpp25	0.495787	0	0.219503	1.935639
Rpp25l	15.791185	13.116015	16.987547	15.219016
Rpp30	22.704613	21.831999	28.289907	22.563919
Rpp38	5.614532	7.963562	13.028226	11.354712
Rpp40	2.266806	3.245535	4.244546	3.055478
Rpph1	2.591048	3.028764	3.058549	9.375037
Rprd1a	3.150883	8.198099	7.335814	6.100604
Rprd1b	5.073893	7.14021	5.837048	6.015894
Rprd2	5.568545	8.050277	6.388978	5.380667
Rprl1	0	0.713089	0	0
Rprl2	0	0	0	0.204859
Rprl3	0.940902	0.179025	0.39061	0.354301
Rprm	0	0	0	0
Rprml	0	0.237475	0.137804	0.108289
Rps10	3242.666504	1963.564697	2899.496338	2273.578857
Rps11	4258.233887	2715.292236	4263.365723	3863.239014

Rps12	9872.49707	6192.983887	10583.04102	9665.084961
Rps13	2079.095215	1462.005127	2278.356445	1484.254517
Rps14	6701.547363	2911.718994	4578.186035	4681.496582
Rps15	5995.061035	3125.87085	4112.04834	3952.273193
Rps15a	185.131561	150.517395	254.539474	178.143875
Rps15a-ps4	51.191715	41.966175	74.271431	50.53479
Rps15a-ps6	167.006729	130.79393	208.408783	148.101303
Rps16	2795.897461	1830.919556	2666.97876	2144.983643
Rps17	2600.009033	1672.390869	2643.746582	2598.457275
Rps18	4290.244629	2901.402588	5019.788086	4531.479492
Rps19	2391.015625	1657.704834	2447.931641	1925.546509
Rps19-ps3	46.495724	40.594761	54.729538	51.201302
Rps19bp1	28.62281	38.438801	40.92094	48.443562
Rps2	1286.775879	1217.931396	1516.241089	1076.28894
Rps20	4287.723145	3020.945312	3783.63916	2746.448486
Rps21	7983.625	3379.913574	5668.79541	6905.079102
Rps23	4634.592773	2583.299805	3738.838379	3290.188232
Rps24	4621.988319	3031.69109	5622.90857	4686.221495
Rps25	2637.299561	2060.418701	3437.754395	2770.137939
Rps26	3936.115479	2418.77124	2843.683838	2314.729492
Rps27	10022.55715	4505.020539	7166.566986	17.708522
Rps27a	4390.612244	3033.173646	5397.152221	4602.432068
Rps27l	226.209137	331.604736	526.710571	492.660797
Rps27rt	92.531281	35.436481	56.927578	7345.359375
Rps28	3067.703613	1629.942383	1817.800659	1425.972778
Rps29	6159.683105	3418.791016	4122.928711	3347.990234
Rps3	2268.931641	1406.341675	2274.518799	1942.194702
Rps3a1	2693.304932	1670.732666	2253.985352	1776.161865
Rps4l	2.12681	1.489142	2.577041	7.62479
Rps4x	2106.724365	1657.345825	1885.920654	1152.65979
Rps5	3989.792236	2184.060303	3096.235352	2479.567871
Rps6	1444.06311	983.905029	1455.117065	1047.853882
Rps6ka1	13.634714	18.676915	18.752389	17.35092
Rps6ka2	2.807693	7.812035	4.563968	4.629367
Rps6ka3	3.75669	6.216787	4.237666	4.419223
Rps6ka4	21.477495	24.789867	18.346809	23.564505
Rps6ka5	0.801834	0.803766	1.10375	0.565264
Rps6ka6	0.756059	2.949061	2.769556	0.582871
Rps6kb1	9.697192	11.990615	9.70187	9.335481
Rps6kb2	17.81336	20.698586	18.013721	13.127938
Rps6kc1	6.290095	8.836663	6.676673	6.750379
Rps6kl1	0.361712	0	0	0.300314
Rps7	3056.719727	1819.271362	2964.815186	2094.087891
Rps8	4884.173828	3104.506592	4665.554199	3885.94751
Rps9	4504.721191	2721.957031	3999.551514	3935.583008
Rpsa	2292.327881	1821.535156	2523.953125	1913.139771
Rptn	0	0	0	0
Rptor	10.093024	16.151306	12.297221	9.452801
Rptoros	1.516817	0.164453	0.267204	0.442749

Rpusd1	9.570193	14.008734	9.030326	10.075838
Rpusd2	1.241643	2.034886	1.72049	1.38389
Rpusd3	2.709014	4.759784	3.330386	2.946497
Rpusd4	10.96608	15.90022	15.743862	14.508781
Rqcd1	8.579081	19.706232	19.277586	14.595423
Rrad	1.867642	8.119752	5.637225	3.688238
Rraga	59.289066	38.294968	35.928497	28.581856
Rragb	0	0	0	0
Rragc	33.214478	27.574709	27.472878	30.868383
Rragd	1.05569	0.537247	0.156106	0.602476
Rras	90.381378	51.054508	42.055084	52.684025
Rras2	16.571934	14.720467	14.37717	14.795984
Rrbp1	123.191196	80.113518	64.228493	97.314373
Rreb1	7.169599	7.395383	5.624298	5.90801
Rrh	0	0	0	0
Rrm1	9.611882	27.267103	26.337698	19.260643
Rrm2	10.118599	24.830717	37.256332	24.949928
Rrm2b	2.323511	2.800315	3.624765	2.90491
Rrn3	13.04587	20.12566	14.965975	13.960507
Rrnad1	13.620769	14.505948	14.080641	14.214873
Rrp1	137.231354	84.138786	67.204308	73.753166
Rrp12	6.098412	9.540328	5.232247	5.445564
Rrp15	23.606653	45.089832	38.143452	30.242228
Rrp1b	11.745918	19.708342	15.208889	11.713446
Rrp36	20.486523	23.301905	21.062916	22.62722
Rrp7a	25.712206	38.539936	30.404833	38.072113
Rrp8	9.780891	16.648125	13.849029	12.895348
Rrp9	26.769573	43.293034	31.460939	28.462996
Rrs1	33.851429	35.59787	25.041142	29.049717
Rs1	0	0	0	0.019612
Rsad1	3.178344	5.21643	6.175691	3.50954
Rsad2	0.633665	0.245866	0.064008	2.190609
Rsbn1	4.547485	4.527506	3.805169	3.228303
Rsbn1l	6.138772	5.034265	5.481724	5.607092
Rsc1a1	16.796711	2.700645	0.947527	4.609973
Rsf1	5.963897	4.743151	3.747198	3.210649
Rsf1os1	0	0	0	0
Rsg1	0	0.755163	1.123761	0.420939
Rsl1	0.342886	0.723087	0.66215	1.035066
Rsl1d1	104.02478	126.135605	117.63591	85.222359
Rsl24d1	52.3922	45.579285	53.475365	53.633244
Rslcan18	0.099519	0.218999	0.207253	0
Rsph1	0	0	0.211702	0
Rsph14	0	0	0	0
Rsph3a	8.699455	11.89883	9.597298	9.210625
Rsph3b	8.940222	11.637517	10.267155	10.374552
Rsph4a	0	0	0	0
Rsph6a	0	0	0	0
Rsph9	1.052106	0	0	1.229056

Rspo1	0.811312	0.323267	0	0.094946
Rspo2	0	0	0	0.051903
Rspo3	0.062046	0	0	1.084638
Rspo4	0	0	0	0
Rspry1	4.51176	7.962152	7.379237	6.650526
Rsrc1	14.07541	18.803806	19.035095	12.104331
Rsrc2	30.756083	32.421516	32.000851	27.60881
Rsrp1	84.484207	115.112709	131.550476	170.558472
Rsu1	35.199348	41.84639	36.207642	35.686489
Rtbdn	0	0	0	0.055613
Rtca	32.395302	32.476173	33.960442	31.319078
Rtcb	65.58831	79.416275	72.502342	71.030449
Rtel1	6.648665	13.992594	12.084143	6.502921
Rtf1	29.075605	17.75145	13.498216	15.990784
Rtfdc1	37.092064	30.100689	24.656317	35.812523
Rtkn	21.691547	25.208893	17.481557	17.952816
Rtkn2	0.08822	0.4522	0.743349	0.33834
Rtl1	0.009466	0.177442	0.028219	0.161494
Rtn1	0	0	0.040673	0.063924
Rtn2	6.558942	17.735556	2.593963	7.563088
Rtn3	22.705602	49.965136	53.271871	50.976626
Rtn4	54.708286	89.591537	71.595594	63.049146
Rtn4ip1	0.742731	2.90222	2.533947	2.264098
Rtn4r	0.466102	0.045282	0.131031	0.307252
Rtn4rl1	0.05992	0.127919	0.119085	0.588154
Rtn4rl2	19.618692	1.037821	1.047632	7.646583
Rtp1	0	0	0	0
Rtp2	0	0	0	0
Rtp3	0	0.103695	0	0.165185
Rtp4	0.463755	0.763521	0.563479	4.364504
Rttn	0.453973	1.99277	1.675624	1.185929
Rubie	0	0	0	0
Rufy1	6.028315	12.045505	9.009936	9.718013
Rufy2	4.247386	4.005667	3.787324	3.556231
Rufy3	6.255411	8.898163	6.079243	7.835419
Rufy4	2.849924	0.561601	0.43986	0.771459
Rundc1	5.05671	5.480158	5.932966	6.53744
Rundc3a	2.226936	3.064367	1.39782	1.981922
Rundc3b	0.563097	0.273379	0.240827	0.893525
Runx1	22.312666	21.549053	12.335897	17.490835
Runx1t1	0.112508	0.061938	0.025242	0.115001
Runx2	16.05882	10.206659	9.636537	7.434635
Runx3	10.837793	10.69604	6.141503	8.498085
Rusc1	3.138029	2.234392	2.29698	2.45949
Rusc2	29.756668	8.536935	9.597062	10.811831
Ruvbl1	28.080101	48.445412	38.557777	31.659273
Ruvbl2	35.563431	64.968018	57.536201	44.729744
Rwdd1	58.502129	59.487041	85.527847	71.738159
Rwdd2a	1.213395	0.994312	1.814749	0.984632

Rwdd2b	1.170396	4.266005	5.501791	4.068918
Rwdd3	2.153679	1.820413	3.817789	1.74625
Rwdd4a	12.555514	19.10025	17.394327	16.585863
Rxfp1	0	0	0	0
Rxfp2	0	0	0	0
Rxfp3	0	0.029936	0	0.068254
Rxfp4	0	0	0	0
Rxra	11.017016	10.975264	7.829661	14.913836
Rxrb	31.937451	31.834952	27.294699	25.515951
Rxrg	0	0	0	0
Rybp	29.068947	9.095047	5.802793	7.362677
Ryk	36.091351	30.022031	25.609033	33.861109
Ryr1	0.002495	4.858807	0.249878	0.288365
Ryr2	0	0	0	0
Ryr3	0	0	0	0
S100a1	112.667671	85.556725	125.94696	197.716583
S100a10	1242.574951	1738.498535	2549.461426	1916.9021
S100a11	336.980316	449.34375	470.209076	498.167267
S100a13	112.198982	49.688053	66.102478	93.708374
S100a14	0.226275	0	0	2.457653
S100a16	97.409546	40.196335	34.516613	72.664215
S100a2	0	0	0	0
S100a3	0.716495	1.96412	1.932787	4.072814
S100a4	2689.766357	3089.161377	5643.592285	4156.864746
S100a5	0	0	3.233434	0.537438
S100a6	3834.376709	3906.088867	5682.168945	4614.355957
S100a7a	1.132412	2.182708	1.663988	3.102955
S100a8	11.36038	8.314027	36.626534	17.653854
S100a9	15.346665	8.997499	48.601547	27.828295
S100b	0.297544	0.127721	0.592917	2.434021
S100g	0.673111	0.618754	0	3.764754
S100pbp	3.93486	8.668726	7.181789	6.754827
S100z	0	0	0	0
S1pr1	2.601008	7.273084	7.642859	4.602585
S1pr2	12.094623	24.24848	21.452524	22.506922
S1pr3	2.513958	0.817918	0.949841	0.477395
S1pr4	0.063918	0.230495	0.825046	0.572105
S1pr5	0.13903	0	0	0.115699
Saa1	1.809966	3.191131	0	9.505589
Saa2	0	2.550366	0	2.66238
Saa3	433.501282	63.320946	128.812653	35.96426
Saa4	0.048425	0.26491	0.04812	2.770548
Saal1	2.948574	3.70696	4.998026	4.779341
Sac3d1	4.967921	11.588974	6.710362	11.470665
Sacm1l	6.029956	8.968065	9.416175	9.385594
Sacs	0.348248	0.161948	0.219573	0.086813
Sae1	32.494829	66.780031	55.935977	51.528348
Safb	77.858757	38.563255	33.123669	34.903225
Safb2	42.732101	34.986656	29.217115	31.23814

Sag	0	0	0.19414	0.093948
Sall1	3.154311	3.407432	2.1753	2.047029
Sall2	1.150611	1.835259	1.157516	2.10407
Sall3	0	0	0	0
Sall4	0	0	0	0
Samd1	33.51627	46.291313	32.808544	41.001579
Samd10	0.419916	1.937562	1.212082	0.959001
Samd11	2.364335	0	0.087543	0.977599
Samd12	0.210809	2.354603	3.48102	0.930516
Samd14	12.662253	6.867551	5.819557	7.844303
Samd15	0	0	0	0
Samd3	0	0	0	0
Samd4	3.588163	9.342366	7.341769	8.007063
Samd4b	31.627699	23.392502	18.65567	22.135773
Samd5	0.218475	0.051016	0	0.180528
Samd7	0	0	0	0
Samd8	7.078878	6.067662	6.224848	7.394754
Samd9l	1.927665	3.197238	3.929857	3.296238
Samhd1	8.550592	21.315394	20.609131	25.659184
Samm50	46.477455	59.661732	53.694473	50.064117
Samsn1	4.113668	7.335624	12.103436	14.619992
Samt1	0	0	0	0
Samt2	0	0	0	0
Samt3	0	0	0	0
Samt4	0	0	0	0
Sap130	11.578335	12.365612	9.482368	10.092646
Sap18	2.599078	4.129257	3.837255	5.215985
Sap25	9.929181	1.03767	10.873441	3.027959
Sap30	57.230957	39.908192	58.660061	37.939301
Sap30bp	20.494587	27.853586	26.145535	25.228155
Sap30l	21.483932	17.287436	11.214462	17.508921
Sapcd1	0.510438	1.118363	0	0
Sapcd2	0.557654	3.497917	4.963335	2.037791
Sar1a	61.04039	56.952011	51.409073	67.628876
Sar1b	45.354664	41.692657	57.122608	55.794781
Saraf	69.946808	55.345879	51.161358	65.271996
Sardh	3.229453	3.597916	1.07292	5.317962
Sarm1	0	0.123244	0.056832	0.04496
Sarnp	36.894691	54.014313	75.529778	65.961327
Sars	111.123127	104.681114	83.273886	63.99112
Sars2	2.688206	6.506343	5.127769	5.617626
Sart1	30.230637	24.548536	16.229111	18.074814
Sart3	17.433371	19.398935	15.70502	13.131019
Sash1	3.127922	3.621521	3.365144	4.946816
Sash3	0.554352	4.738322	4.92469	7.157177
Sass6	0.430164	2.392303	2.263981	1.581117
Sat1	87.000899	57.115607	81.437082	179.497831
Sat2	5.460323	10.809566	15.049462	10.495178
Satb1	0.085632	0.133941	0	0.027522

Satb2	1.702705	3.300575	1.922509	1.595655
Satl1	0	0	0	0
Sav1	31.780275	51.348331	49.990368	38.975292
Saxo1	0	0	0	0
Saxo1os	0	0	0	0
Saxo2	0.106645	0.106529	0.141061	0.166552
Saysd1	1.733249	3.057428	4.422075	5.18124
Sbds	72.998657	61.308064	61.534416	65.662857
Sbf1	18.655418	16.402016	12.252948	13.046102
Sbf2	14.220727	8.825921	7.736232	6.585859
Sbk1	2.918513	4.909244	3.122339	3.488462
Sbk2	0	0.149004	0	0
Sbk3	0.157215	0.106431	0	0.068257
Sbno1	10.522865	13.796015	12.31129	10.960472
Sbno2	26.991724	32.840515	22.999613	32.382797
Sbp	0	0	0	0
Sbpl	0	0	0	0
Sbsn	13.947397	5.9606	5.530914	12.35489
Sbspon	0	0	0.089596	0.147291
Sc5d	5.948268	13.596087	17.884407	10.796213
Scaf1	31.245512	27.254192	20.430779	20.053499
Scaf11	21.101629	20.899799	16.455242	12.039053
Scaf4	10.869334	15.644982	11.220265	12.834286
Scaf8	18.022551	16.478664	13.302735	11.174619
Scai	1.934637	2.046403	1.944034	2.118587
Scamp1	10.959741	10.484536	10.847476	12.73804
Scamp2	19.290442	23.291523	19.74649	26.994854
Scamp3	43.852146	49.350243	40.923314	23.73083
Scamp4	23.405045	31.94891	24.271866	29.413124
Scamp5	5.888711	6.800943	6.003362	7.664558
Scand1	103.810715	42.872452	41.377457	69.564972
Scap	13.234227	20.487097	17.283924	13.720711
Scaper	3.08469	2.398195	2.512123	1.373409
Scara3	2.250143	1.631194	0.489767	2.863584
Scara5	0.142976	0.18892	0	0.595834
Scarb1	23.485026	38.127545	48.733653	26.904893
Scarb2	22.180387	24.404945	23.921879	40.292694
Scarf1	1.43011	2.247977	1.618584	2.58091
Scarf2	45.907692	71.536362	61.487358	57.299053
Scarletltr	0	0	0	0
Scarna10	0	0	0	0.109001
Scarna13	1.593843	1.482621	2.922756	1.141636
Scarna17	344.470825	146.876678	158.934601	201.865921
Scarna2	3.141139	0	0.43053	2.309046
Scarna3a	0	0.077456	0	0
Scarna3b	0	0	0.929566	0
Scarna6	1.198891	0	1.074849	1.27945
Scarna8	2.771674	0	0.856863	1.928218
Scarna9	0	0	0	0

Sccpdh	20.416733	19.088402	25.49968	22.050419
Scd1	35.600899	31.787626	28.549011	27.259987
Scd2	124.030853	110.846016	130.155258	75.335281
Scd3	0.035131	0	0	0.806529
Scd4	0.18851	0.164541	0.048088	0.091363
Scel	0.178544	0	0	0.323202
Scfd1	17.921755	27.94478	25.573157	19.862112
Scfd2	1.733022	2.537969	2.68037	2.393127
Scg2	0	0	0	0
Scg3	0	0	0	0
Scg5	0	0.23975	0.257577	1.060895
Scgb1a1	0	0	0	0
Scgb1b19	0	0	0	0
Scgb1b2	0	0	0	0
Scgb1b20	0	0	0	0
Scgb1b24	0	0	0	0
Scgb1b27	0	0	0	0
Scgb1b29	0	0	0	0
Scgb1b3	0	0	0	0
Scgb1b30	0	0	0	0
Scgb1b7	0	0	0	0
Scgb1c1	0	0	0	0
Scgb2b12	0	0	0	0
Scgb2b15	0	0	0	0
Scgb2b17	0	0	0	0
Scgb2b19	0	0	0	0
Scgb2b2	0	0	0	0
Scgb2b20	0	0	0	0
Scgb2b23-ps	0	0	0	0
Scgb2b24	0	0	0	0
Scgb2b26	0	0	0	0
Scgb2b27	0	0	0	0
Scgb2b3	0	0	0	0
Scgb2b7	0	0	0	0
Scgb3a1	0	0	0	0
Scgb3a2	0	0	0	0
Scgn	0	0	0	0
Schip1	13.175571	25.167364	18.765791	20.540094
Scimp	0	1.626907	0.933494	4.055879
Scin	0.676375	0.607811	0.849998	1.775468
Sclt1	1.736912	2.726929	4.02022	1.99628
Scly	4.402621	6.007191	4.531706	8.31805
Scmh1	5.872221	7.287821	5.883314	6.34657
Scml2	0	0	0.100347	0
Scml4	0	0	0.070845	0.244814
Scn10a	0	0	0	0
Scn11a	0	0	0	0
Scn1a	0	0	0.009824	0.020919
Scn1b	4.380829	11.136978	3.860905	12.680899

Scn2a1	0.113782	0.400896	0.423264	0.238095
Scn2b	0.173798	0.055803	0.053394	0.129777
Scn3a	0.389349	0.407729	0.854509	0.048531
Scn3b	0.070107	0	0	0.082117
Scn4a	0	0.473203	0	0
Scn4b	0	0.779644	0	0.02553
Scn5a	0	0.120236	0.191726	0.102029
Scn7a	0	0.086482	0.020145	0.023641
Scn8a	0.034959	0	0	0.030711
Scn9a	0.03522	0.16755	0.124726	0
Scnm1	30.300456	26.485699	27.158626	24.479364
Scnn1a	0.450492	0.46011	0.357372	0.381646
Scnn1b	0	0	0	0
Scnn1g	0	0	0	0
Sco1	3.466573	5.808477	4.28704	4.154264
Sco2	2.823987	3.581013	2.616603	3.838337
Scoc	8.031001	11.441045	20.425237	16.126694
Scp2	15.902791	17.938383	18.8085	31.72497
Scp2d1	0	0	0	0
Scpep1	108.311981	126.959801	136.871414	95.741417
Scpep1os	0	0	0.981299	0.118179
Scrg1	0	0	0	0
Scrib	15.461005	20.713213	17.600809	13.267281
Scrn1	0.387436	0.28652	0.324399	0.389786
Scrn2	8.544995	8.956076	10.296017	7.445961
Scrn3	2.280072	2.917444	2.434237	2.972059
Scrt1	0.096555	0.02102	0	0.172731
Scrt2	0	0	0	0
Sct	0	0	0	0
Sctr	0.128913	0	0.05124	0
Scube1	0.174843	0.163967	0	0.789083
Scube2	0	0.071469	0	0.075065
Scube3	0	0	0	0
Scx	2.812106	11.91144	12.458412	4.487457
Scyl1	45.815071	46.327721	32.482349	35.425159
Scyl2	9.053904	10.271667	6.498534	5.963869
Scyl3	4.156688	6.394058	6.507818	4.565929
Sdad1	17.57765	13.855685	10.903956	10.498517
Sdc1	109.326729	147.861893	91.582695	195.663101
Sdc2	74.258568	75.131828	64.757133	76.724403
Sdc3	64.734253	75.251923	62.222168	80.514908
Sdc4	181.547028	85.393669	101.118683	107.639458
Sdcbp	70.981329	75.906305	89.697948	89.785373
Sdcbp2	3.304084	0.303497	0.738745	1.452039
Sdccag3	34.294656	36.840967	27.43264	37.720728
Sdccag8	7.958831	9.579939	7.801331	6.890349
Sde2	19.163641	14.599768	12.914013	13.651317
Sdf2	56.978706	50.792107	55.72636	69.033363
Sdf2l1	12.415378	25.800903	27.127739	24.572369

Sdf4	35.465669	35.333704	37.555852	43.898441
Sdha	38.774052	47.595463	46.787819	39.894581
Sdhaf1	17.748629	13.270668	14.779675	21.239731
Sdhaf2	8.070114	17.957922	19.437033	19.421362
Sdhaf3	6.143517	11.525208	13.698777	10.798167
Sdhaf4	18.186211	35.694485	54.368286	39.728199
Sdhb	76.0933	140.657776	142.428955	128.869827
Sdhc	93.009422	102.335136	106.571747	102.682663
Sdhd	108.689621	107.236275	164.525696	161.85788
Sdk1	0	0	0	0
Sdk2	0	0	0	0.061289
Sdpr	12.466566	24.249744	27.107124	14.076818
Sdr16c5	0	0	0	0
Sdr16c6	0	0	0	0
Sdr39u1	18.371225	10.024174	10.801474	12.580277
Sdr42e1	0.781214	0.404084	0.379576	1.437263
Sdr9c7	0	0	0	0.06112
Sds	0.124472	0.218705	0.091376	0.955091
Sdsl	0.211497	0	0	0.907568
Sebox	0	0	0	0
Sec1	0.830456	0.170631	0.208796	0.738412
Sec11a	61.66267	73.029915	78.703156	79.403038
Sec11c	49.312626	92.994415	132.301483	136.862106
Sec13	56.991753	118.036674	105.066139	128.922195
Sec14l1	15.160666	22.882187	19.011031	17.734773
Sec14l2	0.371918	0.151052	0.096873	2.325406
Sec14l3	0	0	0	0
Sec14l4	0	0.158639	0	0.451404
Sec14l5	0	0	0	0
Sec16a	8.374633	10.499274	6.875974	8.368802
Sec16b	2.635844	3.96563	3.238486	2.974801
Sec22a	2.231924	5.378922	7.553209	6.215714
Sec22b	39.469337	36.180672	35.742779	42.740566
Sec22c	2.005626	2.295433	1.574515	2.220427
Sec23a	20.916525	26.009098	20.38493	23.685099
Sec23b	10.04298	14.34186	10.833161	11.546303
Sec23ip	11.964012	11.420599	8.315455	11.250817
Sec24a	4.580956	4.690035	4.013124	4.717044
Sec24b	21.267546	22.444921	18.550123	18.643566
Sec24c	26.179976	25.2264	22.764373	22.930871
Sec24d	18.790588	22.359266	17.117308	18.13644
Sec31a	47.060856	52.745293	33.705116	40.688507
Sec31b	0.637026	0.345949	0.202267	0.222905
Sec61a1	67.275414	98.627792	81.85334	82.097198
Sec61a2	8.466728	13.074786	15.911197	13.152726
Sec61b	130.894043	154.545731	253.236984	241.815765
Sec61g	98.261324	113.328837	183.720364	177.499189
Sec62	57.902836	45.653511	40.797043	54.645405
Sec63	19.527721	20.174555	19.232939	17.671843

Secisbp2	4.704886	6.671323	4.806052	5.514553
Secisbp2l	7.116788	8.581728	6.07835	8.456204
Sectm1a	0	0.15763	0.091471	1.072454
Sectm1b	0	0	0	0
Seh1l	38.631427	31.753369	24.194509	21.928882
Sel1l	19.949149	9.232961	17.400282	15.839596
Sel1l2	0	0	0	0
Sel1l3	0.076733	0.305051	0	0.128299
Sele	0	0.262071	0.03382	0.176231
Selenbp1	51.629673	5.540003	10.352374	15.58707
Selenbp2	5.261416	0.728591	1.165535	5.326178
Selk	140.216263	65.073593	85.162735	111.626976
Sell	0.505209	0.437998	4.794765	5.885691
Selm	47.462894	34.164276	20.354792	46.719097
Selo	2.437073	3.917551	3.814058	3.797927
Selp	0.88769	0.777492	1.361871	3.778614
Selplg	7.570396	18.830269	21.369259	33.269623
Selt	31.453403	52.252098	71.006943	62.376511
Sema3a	3.166356	5.466029	4.559695	5.714963
Sema3b	0.947749	2.310065	2.681243	2.426142
Sema3c	1.18677	0.60571	0.81541	0.825765
Sema3d	0.060692	0	0	0.0324
Sema3e	0.028698	0	0.035885	0
Sema3f	7.055105	9.777696	9.873187	6.27426
Sema3g	0.17477	0.213794	0.332554	0.324598
Sema4a	3.167533	11.721121	13.535762	17.876286
Sema4b	10.11853	21.237438	18.331999	16.969212
Sema4c	8.781257	12.499043	8.172338	10.289671
Sema4d	1.793875	6.438882	5.900036	4.058628
Sema4f	0.048511	0	0	0.069512
Sema4g	2.924398	3.521869	2.444967	3.85848
Sema5a	0.157616	0.330931	0.310369	0.3005
Sema5b	0	0.083814	0	0
Sema6a	0.129097	0.313467	0.114188	0.150314
Sema6b	5.222307	5.020284	7.467894	5.937005
Sema6c	3.58217	2.435967	1.164983	2.006471
Sema6d	1.244958	2.455001	1.564924	3.151908
Sema7a	27.273817	113.007294	51.035378	72.686996
Senp1	3.757686	8.360111	5.799763	4.713057
Senp2	9.390365	16.933426	14.739921	15.884092
Senp3	30.679079	54.04014	43.348915	45.563694
Senp5	8.060997	15.629264	11.473172	10.52691
Senp6	17.00223	12.982576	10.753558	10.211221
Senp7	1.867417	7.885127	6.001161	4.424515
Senp8	0.412714	1.083635	1.238237	0.974015
Sep15	143.821396	261.39975	415.967987	390.976776
Sephs1	7.486613	12.330631	9.152053	9.243854
Sephs2	12.149901	22.038343	20.516598	28.305054
Sepn1	25.12672	33.607895	24.932796	27.461365

Sepp1	109.833702	100.729202	115.427673	312.115904
Sepsecs	2.995627	4.106779	3.430138	3.087995
Sept1	0	0.957787	1.247143	0.933167
Sept10	5.974761	13.253604	21.242222	11.768929
Sept11	34.685684	46.055031	37.161758	35.948147
Sept12	0	0	0	0
Sept14	0	0	0	0
Sept2	61.421901	107.14535	62.608905	105.486871
Sept3	0.04888	0.381446	0.132655	0.156058
Sept4	5.222559	2.858131	2.575355	7.140613
Sept5	67.264786	24.363415	13.820168	30.245281
Sept6	1.883251	6.07937	4.219187	3.514252
Sept7	58.685553	68.794715	76.216732	57.794559
Sept8	24.29086	31.244488	22.565966	24.766079
Sept9	125.808081	122.600926	90.402938	91.660127
Sepw1	427.896484	373.206604	464.807434	573.578857
Serac1	2.861249	3.44971	3.23123	3.451602
Serbp1	83.451721	98.001408	60.1334	64.780426
Serf1	63.571808	83.463989	105.893036	115.861938
Serf2	101.736535	111.844717	123.954185	142.494811
Sergef	4.13404	4.313403	5.794345	4.767065
Serhl	15.560694	11.83908	18.5979	15.227307
Serinc1	61.632912	61.604233	67.995346	41.929401
Serinc2	1.115606	0.947073	0.312397	2.177319
Serinc3	65.968079	75.680107	77.680595	67.658722
Serinc4	0.495553	0.448839	0.323128	0.327841
Serinc5	3.280565	2.683595	2.169346	3.638531
Serp1	52.86858	72.797844	84.739624	91.26017
Serp2	7.504472	4.122373	8.953833	7.530663
Serpina10	0	0.671405	1.637918	12.006252
Serpina11	0	0	0	2.732071
Serpina12	0	0	0	2.583163
Serpina1a	2.055872	2.843665	0.059256	45.364342
Serpina1b	1.986897	2.943762	0.327358	64.564583
Serpina1c	2.404538	3.84678	0	69.204544
Serpina1d	1.478859	2.468521	0.110982	32.625015
Serpina1e	2.751502	5.201985	0.120145	45.43026
Serpina1f	0	0	0	0
Serpina3a	0	0	0	0
Serpina3b	0	0	0	0
Serpina3c	0	0	0	1.07653
Serpina3f	0.366441	0.256757	0	0.3786
Serpina3g	2.08827	2.312493	0.219069	2.570367
Serpina3h	10.176211	4.963286	1.136891	11.598413
Serpina3i	2.959919	1.147601	0.341751	1.858313
Serpina3j	0	0	0	0
Serpina3k	4.013095	5.206663	0.43181	55.579868
Serpina3m	9.848028	1.877328	0.162853	18.159212
Serpina3n	173.011703	34.088207	7.176368	104.900864

Serpina4-ps1	0	0.557773	0	1.880852
Serpina5	0	0	0	0
Serpina6	0	0	0	0.435247
Serpina7	0.145426	0	0	15.174955
Serpina9	0	0	0	0
Serpinb10	0	0	0.070547	0
Serpinb11	0	0	0	0.10249
Serpinb12	0	0	0.116367	0.137625
Serpinb13	0	0	0	0
Serpinb1a	1.758703	4.446693	1.753442	7.974551
Serpinb1b	0	0	0	0.134015
Serpinb1c	0	0	0	0
Serpinb2	4.511562	0.425353	6.173159	26.743954
Serpinb3a	0	0	0	0
Serpinb3b	0	0	0	0
Serpinb3c	0	0	0	0
Serpinb3d	0	0	0	0
Serpinb5	0	0	0	0
Serpinb6a	229.175362	253.076494	308.64527	292.716885
Serpinb6b	4.622031	5.128431	8.782121	3.671809
Serpinb6c	0	0.219599	0	0
Serpinb6d	0	0	0	0
Serpinb6e	0	0	0	0
Serpinb7	0	0	0	0
Serpinb8	0.772046	1.239681	1.144652	2.349921
Serpinb9	1.001684	3.653266	3.776898	2.666313
Serpinb9b	0	0	0.127635	0.776569
Serpinb9c	0	0	0	0
Serpinb9d	0	0	0	0
Serpinb9e	0	0	0	0
Serpinb9f	0	0	0	0
Serpinb9g	0	0	0	0
Serpinc1	0.37974	0.739038	0.111376	12.602106
Serpind1	0.271778	0.155133	0.201949	2.703028
Serpine1	362.596527	68.787659	59.880581	90.348846
Serpine2	15.536622	11.88337	6.057689	48.439354
Serpine3	0	0	0	0
Serpinf1	82.171936	98.875977	30.466642	176.866623
Serpinf2	0.30685	0.232275	0	16.109491
Serping1	66.646729	46.254715	17.125494	146.166458
Serpinh1	148.483912	447.819753	265.081705	453.982836
Serpini1	1.177212	0.094256	0.390414	1.072557
Serpini2	0	0	0	0
Sertad1	40.881367	32.699711	27.600286	52.246147
Sertad2	10.572176	10.931499	9.30052	8.690545
Sertad3	11.218878	12.87401	14.956924	14.337668
Sertad4	12.767024	16.190142	11.565006	8.535581
Sertm1	0	0	0	0
Sesn1	4.214483	8.063321	9.786235	7.540237

Sesn2	6.205482	8.110535	6.438726	8.284781
Sesn3	6.329831	7.204903	5.718258	6.298874
Sestd1	7.678691	8.599287	7.116946	6.032
Set	149.740056	193.498909	162.300064	146.612606
Setbp1	0.194002	0.157526	0.039571	0.156725
Setd1a	21.022135	19.282471	14.167632	13.117601
Setd1b	7.578984	6.057904	4.397668	5.426288
Setd2	10.941403	10.300327	8.034851	8.130327
Setd3	47.597713	38.233227	32.538315	36.227551
Setd4	2.374869	3.738428	4.245269	2.982422
Setd5	29.484072	29.111284	22.910355	19.649212
Setd6	10.36095	11.454678	10.105046	8.62941
Setd7	11.897672	18.979301	12.587857	12.521712
Setd8	63.443184	67.251541	57.871914	54.741714
Setdb1	16.043821	25.983729	20.000384	18.613668
Setdb2	1.084706	2.237698	3.232367	2.100435
Setmar	1.213572	2.213968	1.455472	1.808185
Setx	4.147975	5.282471	4.334777	3.511312
Sez6	0	0	0	0
Sez6l	0.121821	0	0.040495	0.085792
Sez6l2	0	0.588054	0.450877	0.368723
Sf1	59.377102	58.950135	36.889577	38.291625
Sf3a1	16.842911	22.238592	15.804996	15.531664
Sf3a2	44.019539	33.350296	22.815575	27.649513
Sf3a3	39.499283	43.259884	32.267464	34.618946
Sf3b1	58.384014	41.920525	38.31089	34.713112
Sf3b2	109.24369	98.118469	77.353371	68.120186
Sf3b3	68.670403	79.050583	58.104969	47.385166
Sf3b4	47.264229	49.803772	29.209833	33.003899
Sf3b5	48.389816	60.446609	65.727768	79.297394
Sf3b6	65.908829	104.671928	170.807922	137.471115
Sfi1	6.748583	9.329986	8.781396	6.698724
Sfmbt1	1.383664	1.443059	1.202819	1.243079
Sfmbt2	0.321546	0.188362	0.362854	0.051772
Sfn	0.98965	1.277336	0.703775	2.306811
Sfpq	46.915922	68.989203	53.553799	47.416753
Sfr1	172.386322	107.477638	97.560181	93.655869
Sfrp1	3.167296	5.674384	3.021036	22.645212
Sfrp2	0	4.387774	0	0
Sfrp4	0	6.239947	0	0.164643
Sfrp5	0	0	0.049183	0.061098
Sfswap	18.163809	19.056187	12.768783	13.953827
Sft2d1	16.8232	23.260273	28.107931	33.023891
Sft2d2	5.04844	9.445978	10.875258	7.314341
Sft2d3	1.186244	1.126805	0.850488	1.905858
Sfta2	0	0	0	0
Sftpa1	0	0	0	0
Sftpb	0	0	0	0
Sftpc	0	0	0	0

Sftpd	0	0	0	0.255636
Sfxn1	21.747055	30.178915	34.447781	23.726292
Sfxn2	1.063638	5.169834	5.087094	3.447977
Sfxn3	53.562319	51.736608	40.309225	38.977668
Sfxn4	0	1.770062	1.752595	1.151467
Sfxn5	2.415054	7.03679	7.242259	6.214374
Sgca	0	1.387928	0.046447	0.130595
Sgcb	1.607397	4.499329	2.845906	3.698866
Sgcd	0.694254	0.604874	0	0.745145
Sgce	1.610759	1.479207	0.790853	4.066682
Sgcg	0	0.919955	0	0
Sgcz	0	0	0	0
Sgip1	0	0	0	0
Sgk1	80.004279	70.21082	64.774977	57.37297
Sgk2	0	0	0	0.094594
Sgk3	0.242245	1.524873	1.963187	2.695988
Sgms1	4.550463	13.99233	14.574635	9.226905
Sgms2	4.41018	7.57651	5.339436	8.789168
Sgol1	0.71949	7.314304	9.617384	4.397682
Sgol2a	1.377023	3.664389	4.22061	3.255407
Sgol2b	0	0	0	0
Sgpl1	50.418663	45.126984	42.571861	44.136566
Sgpp1	7.844985	9.339104	11.178861	11.404475
Sgpp2	0.146258	0	0	0.229579
Sgsh	2.331476	4.73595	3.884327	3.856055
Sgsm1	0.373825	0.667701	0.71041	0.761208
Sgsm2	2.499034	3.952514	3.601638	3.185197
Sgsm3	2.349483	7.293272	5.405614	7.202638
Sgta	46.33778	41.865707	35.453438	42.790478
Sgtb	4.624079	2.857656	2.65657	2.32488
Sh2b1	16.223389	22.879893	18.79525	18.003073
Sh2b2	5.369829	7.214032	6.235213	5.556324
Sh2b3	8.327402	16.756571	2.700645	5.008615
Sh2d1a	0	0	0	0
Sh2d1b1	0.48413	2.964945	4.72946	10.345454
Sh2d1b2	0	0	0	0
Sh2d2a	0	0	0.019733	0.060978
Sh2d3c	1.880732	2.884603	2.209414	2.500648
Sh2d4a	0.304453	0	0	0.041954
Sh2d4b	0	0	0	0
Sh2d5	1.734703	11.994473	7.755952	3.498214
Sh2d7	0	0	0.081808	0.263171
Sh3bgr	0.484163	1.942968	0.44135	0
Sh3bgrl	19.995241	39.148209	47.237652	35.943192
Sh3bgrl2	3.650019	8.456667	7.651898	6.803672
Sh3bgrl3	143.668335	175.606094	168.906647	225.069031
Sh3bp1	24.270073	19.255495	19.422235	16.619328
Sh3bp2	14.069236	21.734302	19.803102	19.440862
Sh3bp4	22.514933	18.576494	15.841934	11.988455

Sh3bp5	7.54741	11.357815	11.991136	8.301783
Sh3bp5l	7.621968	10.898697	7.386552	8.70414
Sh3d19	7.150996	19.679478	15.811646	11.582657
Sh3d21	0.831988	0.19062	0.396853	0.803011
Sh3gl1	38.668593	38.278553	26.447086	33.337499
Sh3gl2	0	0	0	0
Sh3gl3	1.500574	1.724091	2.673753	1.481487
Sh3glb1	64.760902	42.994921	33.275625	41.205164
Sh3glb2	15.553509	24.118962	19.436859	18.469798
Sh3kbp1	24.329541	20.591629	15.090346	22.314059
Sh3pxd2a	21.51285	19.119468	9.615371	28.854835
Sh3pxd2b	34.426907	46.46225	31.982183	33.303989
Sh3rf1	6.424922	8.162614	5.160332	5.814488
Sh3rf2	0	0.114704	0	0
Sh3rf3	0.02503	0.445744	0.234362	0.240835
Sh3tc1	1.764833	2.479009	2.738941	4.754657
Sh3tc2	0.141459	0.08411	0.140133	0.101938
Sh3yl1	1.897656	0.582163	0.799529	1.507327
Shank1	0	0.055633	0.045292	0.159754
Shank2	0	0	0.014868	0.152251
Shank3	0.916115	1.468031	1.713311	1.367641
Sharpin	21.072964	19.864422	17.669849	20.066307
Shb	13.668816	9.963966	7.796024	7.193366
Shbg	0.360209	0.698282	1.272183	0.389242
Shc1	44.323307	43.928795	36.718832	39.621243
Shc2	0.537662	2.083447	0.736542	1.358147
Shc3	0	0	0	0
Shc4	0.470456	0.544826	0.650155	1.339894
Shcbp1	0.30154	8.305593	10.983174	6.045756
Shcbp1l	0	0	0	0.113154
Shd	0.604334	0.191519	0	0
She	0.189648	0.317373	0.274051	0.240997
Shf	14.071733	15.785263	8.279453	16.611515
Shfm1	492.343781	420.21286	500.417877	596.294434
Shh	0	0	0	0
Shisa2	0	0.746797	0	0.107502
Shisa3	0	0	0	0.767314
Shisa4	6.879286	9.115659	6.697439	8.580005
Shisa5	58.899888	76.932226	65.464546	86.441851
Shisa6	0	0	0	0.053545
Shisa7	0	0	0	0
Shisa8	0	0	0.076954	0.06435
Shisa9	0	0	0	0
Shkbp1	8.714278	12.839159	9.098371	10.73995
Shmt1	8.226872	26.586531	19.079916	13.088275
Shmt2	37.920941	120.737381	96.888691	80.297291
Shoc2	9.29542	11.750915	13.031535	9.155041
Shox2	2.574091	2.207429	2.369704	1.606218
Shpk	0.764072	0.121443	1.093457	1.154327

Shprh	1.399651	2.756338	2.342171	2.259322
Shq1	2.289937	4.028373	3.273527	2.315562
Shroom1	1.361062	1.67993	1.813801	1.807133
Shroom2	0.348092	0.067715	0.209043	0.157273
Shroom3	1.856758	1.511117	3.359098	1.92619
Shroom4	0.969372	1.97896	1.63313	0.806458
Shtn1	2.603224	2.959447	4.901096	6.704444
Siae	1.680746	4.961275	5.771893	4.229345
Siah1a	17.915754	11.21081	11.0593	12.000107
Siah1b	2.362042	4.881855	5.187635	5.407673
Siah2	9.182129	9.324333	7.956274	9.162818
Siah3	0	0	0	0
Sidt1	0	0	0	0
Sidt2	46.849769	32.478779	30.650942	39.331457
Sigirr	5.753597	15.476185	16.465921	9.640676
Siglec1	2.122429	7.503131	8.717711	7.60718
Siglec15	0.489328	2.949842	1.667324	1.832561
Siglece	1.539217	1.732644	2.131095	3.84128
Siglecf	0	0.117454	0.196183	1.841636
Siglecg	0.172717	0	0.079294	0.046733
Siglech	0	0	0.061355	0.066881
Sigmar1	22.560927	50.816988	47.719848	46.167244
Sik1	37.811081	8.030893	7.255478	11.13117
Sik2	5.30718	3.780281	2.910397	2.329558
Sik3	7.66026	10.773694	7.940514	8.346101
Sike1	6.67358	13.361284	11.940763	13.695843
Sil1	24.741116	26.19565	24.62458	26.333691
Sim1	0	0	0	0
Sim2	0	0.080619	0	0
Simc1	3.791004	5.778922	4.096328	3.868828
Sin3a	10.971093	15.122808	10.802582	9.648301
Sin3b	192.222108	76.91369	83.243319	83.850132
Sipa1	12.941634	24.935687	20.527402	17.30001
Sipa1l1	26.958807	25.076707	22.63424	16.415875
Sipa1l2	4.676898	4.183553	2.258239	5.854042
Sipa1l3	8.701226	13.379113	11.18127	7.114602
Sirpa	18.420831	64.729324	51.795328	83.340023
Sirpb1a	2.757266	10.488046	13.54652	14.619819
Sirpb1b	3.217857	10.178251	13.69635	14.471685
Sirt1	4.153234	2.616896	3.182049	3.226458
Sirt2	27.453078	32.698688	28.229133	38.218098
Sirt3	5.281729	6.043743	8.912696	6.863435
Sirt4	3.804086	7.585606	8.687446	6.007402
Sirt5	5.474973	4.739234	4.741484	5.217363
Sirt6	8.952234	10.754711	9.099702	9.469396
Sirt7	16.589718	18.814806	18.859858	24.746195
Sis	0	0	0	0
Sit1	0	0	0	0
Siva1	90.287407	61.138449	92.056453	83.861731

Six1	0.121755	1.065511	0.427489	0.115448
Six2	0	0	0.303674	0.054336
Six3	0	0	0	0
Six3os1	0	0	0	0
Six4	1.214803	4.032818	3.370455	2.343651
Six5	4.621583	4.433536	4.633645	4.248845
Six6	0	0	0	0
Ska1	0.854557	5.004648	7.311059	3.147267
Ska2	9.596724	19.173798	30.685917	19.934372
Ska3	3.665786	9.724433	11.961317	5.900393
Skap1	0.316785	0.722764	0.928394	0.65212
Skap2	12.833091	26.732485	28.468721	35.01675
Ski	27.300283	31.915733	17.728676	24.238207
Skida1	0.146743	0.577906	0.559496	0.321236
Skil	12.473557	22.67323	7.140621	19.99356
Skint1	0	0	0	0
Skint10	0	0	0	0
Skint11	0	0	0	0
Skint2	0	0	0	0
Skint3	0	0.104347	0	0.04801
Skint4	0	0	0	0
Skint5	0	0	0	0
Skint6	0	0	0	0
Skint7	0	0	0	0
Skint8	0	0	0	0
Skint9	0	0	0	0
Skiv2l	19.986477	22.02865	16.397211	18.108694
Skiv2l2	13.867905	18.67424	17.653692	14.252741
Skor1	0	0	0	0
Skor2	0	0	0	0
Skp1a	105.59539	129.532196	175.155045	166.626373
Skp2	2.749717	20.364599	17.768663	14.205967
Sla	6.4226	15.025348	22.116043	21.217253
Sla2	0	0	3.26234	0
Slain1	0	0	0	0.100942
Slain1os	0	0	0	0
Slain2	14.181221	13.447563	9.617086	10.532075
Slamf1	0	0	0	0
Slamf6	0	0.277185	0.836309	0.855447
Slamf7	0.174443	0.347097	0.157399	0.131353
Slamf8	0	0.643919	0.216252	0.533392
Slamf9	2.891598	15.475462	23.96693	25.95677
Slbp	14.092846	26.924054	27.284742	26.575749
Slc10a1	0.083031	0	0.317215	1.139977
Slc10a2	0	0	0	0.177316
Slc10a3	0	6.761183	5.176847	6.163357
Slc10a4	0	0.081398	0	0
Slc10a5	0	0	0	0.088774
Slc10a6	1.992433	0.219735	0.412358	0.462015

Slc10a7	3.739686	3.079348	7.662304	6.287495
Slc11a1	3.35036	6.594363	8.524421	6.195317
Slc11a2	5.205479	11.715	10.517682	10.20265
Slc12a1	0	0	0	0.149525
Slc12a2	8.498156	14.619232	14.898806	11.440765
Slc12a3	0	0	0	0
Slc12a4	21.697462	31.483609	21.020826	22.534493
Slc12a5	0.040699	0.049311	0.122449	0.460003
Slc12a6	5.501998	10.27202	9.521932	7.661413
Slc12a7	5.772257	14.22719	13.197637	9.26079
Slc12a8	0.125007	0	0.116961	0.325477
Slc12a9	5.722626	7.64993	6.793148	7.677114
Slc13a1	0	0	0	0
Slc13a2	0	0	0	0
Slc13a2os	0	0	0	0
Slc13a3	0.137719	0.691881	0.787503	2.702416
Slc13a4	0	0	0	0.067768
Slc13a5	0	0	0	0
Slc14a1	5.267686	20.908528	12.746119	13.034788
Slc14a2	0	0	0	0.043048
Slc15a1	0	0	0	0.03618
Slc15a2	0.173136	0.042355	0.122889	0.222304
Slc15a3	9.524001	14.370424	11.528902	22.129721
Slc15a4	9.164016	10.899165	9.443415	9.651292
Slc15a5	0	0	0	0
Slc16a1	36.193493	37.564346	43.575565	30.095438
Slc16a10	1.229234	1.476496	1.780765	3.078707
Slc16a11	0.077474	0.391753	0.177649	1.562689
Slc16a12	0	0.043854	0.038172	0.386756
Slc16a13	1.993405	5.062591	4.665507	5.462989
Slc16a14	0	0.357393	0	0.271808
Slc16a2	0.700458	0.691327	0.179104	2.251547
Slc16a3	45.512121	30.791206	45.56405	49.49665
Slc16a4	0.065861	0.103235	0.502171	0.130224
Slc16a5	0.032817	0.168591	0.065221	0.429319
Slc16a6	1.788718	6.086219	5.914913	6.679483
Slc16a7	0.09833	0.489945	0.771367	0.517967
Slc16a8	0	0	0	0.142662
Slc16a9	0.304614	0.071449	0.069101	0.226765
Slc17a1	0	0	0	0
Slc17a2	0.033325	0	0	1.280049
Slc17a3	0	0	0	0.108594
Slc17a4	0.139169	0	0	0.820664
Slc17a5	4.456461	2.110837	6.230714	7.188465
Slc17a6	0	0	0	0
Slc17a7	0	0.057149	0	0.156362
Slc17a8	0.055654	0	0	0.065188
Slc17a9	2.133408	1.370615	1.538529	2.474867
Slc18a1	0.35963	0	0	0.057563

Slc18a2	0.064977	0.525472	0.478736	0.350834
Slc18a3	0	0	0	0
Slc18b1	0.713124	0.726103	1.189467	0.593049
Slc19a1	15.363485	21.472208	23.2906	16.404404
Slc19a2	4.488824	4.213424	4.777618	5.322209
Slc19a3	0	0	0	0
Slc1a1	0	0	0	0.046961
Slc1a2	0	0	0	0.019797
Slc1a3	0	0.220987	0.088977	0.055017
Slc1a4	18.013521	26.070704	19.849916	21.18576
Slc1a5	21.205402	60.537201	48.913788	39.824142
Slc1a6	0	0	0	0.082615
Slc1a7	0.082453	0.251519	0.104656	0.37395
Slc20a1	80.241016	101.170507	39.482404	122.89546
Slc20a2	18.79269	30.31883	22.871269	26.795414
Slc22a1	0	0	0	3.230388
Slc22a12	0	0	0	0
Slc22a13	0	0.133148	0	0.153825
Slc22a13b-ps	0.255434	0.430957	0.303686	0.91626
Slc22a14	0	0	0	0
Slc22a15	2.28896	1.793855	2.367089	2.706548
Slc22a16	0	0	0	0
Slc22a17	0.663314	0.718466	0.625502	1.248095
Slc22a18	0.059307	0	0.440115	2.12538
Slc22a19	0	0	0	0
Slc22a2	0	0	0	0
Slc22a20	0	0	0	0
Slc22a21	3.273141	2.478689	3.055067	2.799292
Slc22a22	0	0	0	0
Slc22a23	2.776197	2.153327	1.58288	2.651896
Slc22a26	0	0	0	0
Slc22a27	0	0	0	0.053969
Slc22a28	0	0	0	0
Slc22a29	0.088423	0	0	0.041622
Slc22a3	0	0	0	0
Slc22a30	0	0	0	0.093329
Slc22a4	7.028449	5.622506	3.225717	6.06253
Slc22a5	2.918562	3.282717	3.288709	3.424888
Slc22a6	0	0	0	0
Slc22a7	0	0	0	0
Slc22a8	0	0	0	0
Slc23a1	0.189928	0.397733	0.294326	0.411696
Slc23a2	8.153363	8.901872	7.161781	8.152819
Slc23a3	0.282537	0.075646	0	0.169223
Slc24a1	0	0	0	0.033403
Slc24a2	0	0	0	0
Slc24a3	0.144038	0.252015	0.086147	1.143158
Slc24a4	0	0	0	0
Slc24a5	0.507194	0.519791	0.320598	0.481274

Slc25a1	57.474976	45.151875	45.517292	42.225651
Slc25a10	4.483002	6.225296	5.178434	7.928524
Slc25a11	25.706039	39.334541	40.98811	39.765968
Slc25a12	10.191132	15.816485	13.199074	9.623863
Slc25a13	2.553792	6.391564	6.941948	5.016401
Slc25a14	0.371789	4.712493	9.389492	7.817642
Slc25a15	2.668897	4.041892	3.385785	5.004996
Slc25a16	2.344397	4.193262	3.545472	3.573887
Slc25a17	33.221611	39.738338	53.06813	38.55394
Slc25a18	0.250354	0.162636	0.108065	0.174604
Slc25a19	5.013966	7.920862	6.88374	7.184334
Slc25a2	0.220895	0.187452	0.108776	0.271962
Slc25a20	12.984324	16.710081	20.783199	19.528336
Slc25a21	0.412273	0.318441	0.660871	0.591503
Slc25a22	11.294846	16.379412	9.750639	12.357232
Slc25a23	0.812089	1.98203	0.774902	3.997962
Slc25a24	26.567173	41.012764	34.784355	24.034473
Slc25a25	4.758834	5.731434	3.580374	5.833827
Slc25a26	3.610801	4.154096	5.32079	5.047325
Slc25a27	2.697724	3.992656	4.759958	2.325231
Slc25a28	53.857693	32.973038	31.85416	30.485027
Slc25a29	0.908325	1.077571	0.317767	1.165201
Slc25a3	145.602539	184.440933	203.680939	164.535904
Slc25a30	15.502965	18.230297	14.921486	10.041789
Slc25a31	0	0	0	0
Slc25a32	3.832863	5.694634	4.106328	4.284234
Slc25a33	9.108254	16.281029	19.125345	19.350452
Slc25a34	0	0.110739	0	0.151492
Slc25a35	0	0.116116	0.334568	0.253311
Slc25a36	3.151082	5.477417	5.5831	4.895051
Slc25a37	27.567991	31.536642	30.621794	33.361378
Slc25a38	6.587999	11.316138	11.404417	12.899004
Slc25a39	113.039825	94.830719	94.292427	105.754852
Slc25a4	310.144348	369.56723	436.562408	303.294342
Slc25a40	1.722857	3.10332	5.210564	3.686984
Slc25a41	0	0	0	0
Slc25a42	2.419842	2.786052	1.279894	3.001322
Slc25a43	0	2.222165	2.640737	2.883737
Slc25a44	7.476909	7.795283	8.899011	11.139363
Slc25a45	4.928563	7.272849	7.280159	9.871058
Slc25a46	3.212311	5.683708	4.211522	4.132128
Slc25a47	1.968786	1.359871	1.170584	9.077117
Slc25a48	0	0	0	0
Slc25a5	70.169357	180.292114	216.283691	148.543304
Slc25a51	23.795128	17.906832	17.132832	18.800741
Slc25a53	0.23294	0.459169	0.650385	0.347905
Slc25a54	0	0	0	0
Slc26a1	0	0.128488	0.163998	0.157605
Slc26a10	0.288506	0.408397	0.482779	0.711944

Slc26a11	6.128863	7.837115	5.731099	5.303532
Slc26a2	0.76403	1.358616	1.431638	1.423282
Slc26a3	0	0	0	0
Slc26a4	0	0	0	0
Slc26a5	0	0	0	0
Slc26a6	1.028213	0.967014	1.352982	1.313511
Slc26a7	0	0	0	0
Slc26a8	0	0	0.076691	0.0456
Slc26a9	0	0	0	0
Slc27a1	40.83535	39.158253	39.873611	33.108501
Slc27a2	0.364963	0.092197	0	4.714601
Slc27a3	4.486187	2.947476	2.167301	3.081233
Slc27a4	8.728031	10.387862	7.90572	9.989109
Slc27a5	0.098062	0.108045	0	1.435135
Slc27a6	0	0.048341	0	0.133751
Slc28a1	0	0	0	0
Slc28a2	0.207914	0.47247	0.575665	0.248785
Slc28a3	0	0	0	0.085632
Slc29a1	115.784953	187.696813	130.917098	126.1301
Slc29a2	8.95649	11.851703	9.681503	7.457773
Slc29a3	2.712713	4.487333	4.028494	3.929608
Slc29a4	0	0	0	0.082691
Slc2a1	280.593536	110.231117	137.135284	99.718506
Slc2a10	0.46139	0.379232	0.368812	1.053366
Slc2a12	0	0.033835	0	0.13886
Slc2a13	0.120811	0.051893	0.075181	0.070872
Slc2a2	0.250663	0	0	0.581487
Slc2a3	2.491186	0.960677	1.155071	1.46787
Slc2a4	0	0.703639	0.087246	0.040588
Slc2a4rg-ps	0.78848	4.354858	2.611455	3.043413
Slc2a5	0	0	0	0
Slc2a6	0.416663	3.407812	4.922952	5.509405
Slc2a7	0	0	0	0
Slc2a8	11.978152	7.400408	7.639772	9.588988
Slc2a9	0.532687	0.909828	1.678031	1.517759
Slc30a1	2.348028	2.384775	2.791176	2.853704
Slc30a10	0	0	0	0
Slc30a2	0.264648	0	0	0
Slc30a3	0	0	0.214849	0
Slc30a4	8.640518	20.480515	22.792887	14.526663
Slc30a5	9.942655	17.068508	15.981741	14.594403
Slc30a6	5.825171	11.671467	11.857106	10.236419
Slc30a7	5.252266	7.815547	7.496332	7.10844
Slc30a8	0	0	0	0
Slc30a9	16.063221	19.74505	21.17037	19.762636
Slc31a1	7.090942	11.706606	12.487922	9.807419
Slc31a2	4.139832	10.379682	10.141554	11.386916
Slc32a1	0	0	0	0.041386
Slc33a1	4.99426	8.354046	9.391424	9.296747

Slc34a1	0	0	0	0
Slc34a2	0	0	0	0.054511
Slc34a3	0	0	0	0
Slc35a1	7.732299	15.083209	19.497734	19.099543
Slc35a2	13.491382	12.734175	11.481808	16.800323
Slc35a3	5.664296	9.177702	10.53484	9.2336
Slc35a4	12.460431	17.132777	14.302574	14.73805
Slc35a5	1.628717	2.160764	3.239455	3.557042
Slc35b1	34.824425	35.159901	28.801483	35.260284
Slc35b2	36.166054	52.46064	60.376282	62.279003
Slc35b3	6.204219	18.166686	22.807068	13.835027
Slc35b4	4.330886	11.383362	9.901464	8.987058
Slc35c1	4.480469	9.037264	7.88582	8.923636
Slc35c2	19.203045	22.806667	20.638114	23.36365
Slc35d1	3.423511	4.836134	4.077581	4.636073
Slc35d2	2.390909	4.841167	6.237381	4.25651
Slc35d3	0	0	0	0
Slc35e1	6.188973	10.708955	7.512864	9.884511
Slc35e2	3.340057	5.514482	4.003508	5.185018
Slc35e3	4.252024	5.720899	5.552684	5.007164
Slc35e4	43.027519	43.199249	40.243401	36.324734
Slc35f1	0	0	0	0
Slc35f2	0.892027	3.232608	3.634589	1.816942
Slc35f3	0	0	0	0.059576
Slc35f4	0	0	0	0
Slc35f5	7.798915	12.54294	10.589867	14.512695
Slc35f6	10.09075	16.534855	14.115822	17.168882
Slc35g1	1.398158	5.794082	7.332634	3.530202
Slc35g2	0.490227	0.566717	0.402633	0.835433
Slc35g3	0	0	0	0
Slc36a1	3.78075	10.359528	10.50374	11.679611
Slc36a1os	0	0	0	0.064853
Slc36a2	0	0.286349	0.302892	0.757497
Slc36a3	0	0	0	0
Slc36a4	2.185807	3.188325	2.385992	2.827168
Slc37a1	0.308771	0.410403	0.441428	1.106204
Slc37a2	2.426518	6.570082	6.20203	7.376945
Slc37a3	4.417281	10.565441	9.952567	8.877123
Slc37a4	9.236958	8.437972	10.865348	9.704822
Slc38a1	1.061532	4.105765	2.891915	3.509116
Slc38a10	33.720123	54.111489	47.828232	39.186899
Slc38a11	0	0	0	0
Slc38a2	40.136318	69.17746	43.568298	47.477791
Slc38a3	0.151384	0	0	7.134531
Slc38a4	0.024702	0.053953	0.199873	1.620985
Slc38a5	0	0	0	0
Slc38a6	1.552329	4.164018	3.821418	5.208054
Slc38a7	9.328426	15.334408	12.355784	11.404553
Slc38a8	0	0	0	0

Slc38a9	1.047451	1.65139	1.851529	1.936189
Slc39a1	48.664227	74.812248	76.644508	88.830254
Slc39a10	4.085798	14.980453	12.911064	5.316381
Slc39a11	5.717563	9.014535	9.028079	8.717501
Slc39a12	0	0	0	0.151254
Slc39a13	43.505432	32.441998	27.876912	33.247306
Slc39a14	7.413222	24.193488	13.949323	23.384698
Slc39a2	0	0	0.039382	0.115059
Slc39a3	7.789539	7.117222	5.514363	8.061684
Slc39a4	0.155831	0	0	1.592713
Slc39a5	0	0	0	0
Slc39a6	15.409026	20.074955	15.24577	17.463928
Slc39a7	109.196887	84.382324	72.143411	86.623367
Slc39a8	1.455532	0.763074	0.872396	1.11147
Slc39a9	3.986191	9.813739	7.856346	8.569249
Slc3a1	0.128418	0	0	0.184108
Slc3a2	96.225755	79.267858	121.960745	107.553559
Slc40a1	0	0.357507	0.188226	4.201329
Slc41a1	11.440093	14.124732	10.698356	11.551795
Slc41a2	4.203674	4.635375	3.089084	5.447668
Slc41a3	1.402535	2.403741	1.816806	2.149893
Slc43a1	0.390084	0.281188	0.096971	1.003941
Slc43a2	4.989	7.24341	7.64357	8.477988
Slc43a3	9.76858	2.942992	3.237225	7.030956
Slc44a1	10.535963	11.965633	8.716041	11.060538
Slc44a2	41.289892	50.623648	43.949947	41.983719
Slc44a3	0	0	0	0.666289
Slc44a4	0	0	0	0
Slc44a5	0	0	0	0
Slc45a1	0	0	0	0
Slc45a2	0	0	0	0
Slc45a3	1.782451	0.392352	0.294157	2.816885
Slc45a4	4.498506	6.51143	4.557971	6.426528
Slc46a1	2.466831	3.927639	3.611732	3.366159
Slc46a2	0	0	0	0
Slc46a3	0.369251	0.648437	1.226518	1.083987
Slc47a1	0	0	0	0.110181
Slc47a2	0	0	0	0
Slc48a1	62.065792	28.899742	29.997744	41.721638
Slc4a1	0.400645	0	0	0.089127
Slc4a10	0	0	0	0.020985
Slc4a11	0.956716	1.441184	1.234148	1.911653
Slc4a1ap	10.00538	13.596001	12.717454	10.408064
Slc4a2	25.934923	29.180586	24.795928	22.537584
Slc4a3	4.262303	4.296726	2.848961	3.623559
Slc4a4	0.506037	0.050969	0	1.182146
Slc4a5	0	0	0	0.021652
Slc4a7	7.385201	7.02534	7.610968	5.640669
Slc4a8	1.541329	2.569547	1.932239	1.000307

Slc4a9	0	0	0	0
Slc50a1	62.4053	61.478333	61.834621	50.485195
Slc51a	0	0	0	0
Slc51b	0	0	0	0.694261
Slc52a2	3.378495	9.267919	7.422726	6.252913
Slc52a3	0.347658	0.957708	1.496698	3.412202
Slc5a1	0	0	0	0.029516
Slc5a10	0	0	0	0
Slc5a11	0	0	0.105173	0
Slc5a12	0	0	0	0
Slc5a2	0	0	0	0
Slc5a3	3.737336	6.002014	5.569352	3.98319
Slc5a4a	0	0	0	0
Slc5a4b	0	0	0	0
Slc5a5	0	0.028982	0.06727	0.214622
Slc5a6	2.309057	4.289068	5.077045	3.248547
Slc5a7	0	0.032764	0	0
Slc5a8	0	0	0	0
Slc5a9	0	0	0	0
Slc6a1	0	0	0	0
Slc6a11	0	0	0	0
Slc6a12	0.796004	0	0	0.181173
Slc6a13	0.229255	0.118406	0	0.706958
Slc6a14	0	0	0	0
Slc6a15	0	0	0	0
Slc6a17	0.062757	0	0.054566	0.027565
Slc6a18	0	0	0	0
Slc6a19	0	0	0.100947	0.071394
Slc6a19os	0	0	0	0
Slc6a2	0	0	0	0
Slc6a20a	0	0	0	0
Slc6a20b	0	0	0	0.020745
Slc6a3	0	0	0	0
Slc6a4	0	0.184522	0	0.041696
Slc6a5	0	0	0	0
Slc6a6	29.21316	41.769695	34.68676	31.700048
Slc6a7	0.089335	0.062106	0.042225	0.115751
Slc6a8	37.805898	32.756252	24.895028	26.703476
Slc6a9	12.967081	22.427622	14.223542	14.448625
Slc7a1	12.668908	17.936924	12.577758	10.635964
Slc7a10	0	0	0	0
Slc7a11	4.040859	5.248617	5.241559	3.835762
Slc7a12	0	0	0	0
Slc7a13	0	0	0	0
Slc7a14	0	0	0	0
Slc7a15	0	0	0	0.072796
Slc7a2	8.799779	10.562054	14.894	29.01158
Slc7a3	0.939669	0.675302	1.330779	1.918293
Slc7a4	0.045602	0.039395	0.212756	0.400653

Slc7a5	45.815536	66.154007	53.998634	43.272812
Slc7a6	14.147782	25.421646	21.769548	18.548136
Slc7a6os	27.465254	36.755318	31.70657	37.0513
Slc7a7	1.686969	8.083551	7.660447	11.065624
Slc7a8	3.95498	6.817918	5.530692	6.914366
Slc7a9	0	0	0	0
Slc8a1	0.214418	0.600648	0.475747	0.335572
Slc8a2	0	0	0	0
Slc8a3	0.029948	0.288329	0.029759	0.09136
Slc8b1	15.718767	9.362298	16.115287	14.02317
Slc9a1	10.53125	16.306618	12.494497	13.118176
Slc9a2	0.099118	0.182202	0	0.127271
Slc9a3	0	0	0	0
Slc9a3r1	11.744324	12.090668	12.620286	16.744177
Slc9a3r2	4.05605	4.800719	3.981881	8.459672
Slc9a4	0.465548	0.198786	0.972067	1.513966
Slc9a5	8.184702	16.215195	13.868105	8.294767
Slc9a6	1.572374	4.438052	3.244992	3.352249
Slc9a7	0	0	0	0
Slc9a8	6.146435	4.022115	8.577944	6.973439
Slc9a9	0.092713	2.003178	1.556808	1.836038
Slc9b1	0	0	0	0
Slc9b2	0	0.473182	2.049584	0.780123
Slc9c1	0	0	0	0
Slco1a1	0	0	0	0.303946
Slco1a4	0	0	0	0
Slco1a5	0	0.672005	1.000099	0.699882
Slco1a6	0	0	0	0.082801
Slco1b2	0	0.063678	0	2.277589
Slco1c1	0	0	0	0
Slco2a1	2.188264	1.6907	0.886264	2.400409
Slco2b1	3.020532	2.168034	1.220674	0.997485
Slco3a1	0.386763	0.672629	0.471239	0.95505
Slco4a1	1.595961	1.537525	1.288124	3.776841
Slco4c1	0	0	0	0
Slco5a1	0	0.064874	0.028697	0.027098
Slco6b1	0	0	0	0
Slco6c1	0	0	0	0
Slco6d1	0	0	0	0
SlcUbl4a	1.222853	0.012462	0.077077	0.212624
Slfn1	1.567304	2.904139	3.396987	9.018125
Slfn10-ps	0.631694	0.528966	0.633107	1.229025
Slfn14	0	0	0	0
Slfn2	25.234713	34.617729	49.332241	94.141876
Slfn3	0.384026	0.910257	1.211944	0.99999
Slfn4	0.637551	2.826323	2.503627	2.080056
Slfn5	0.534403	1.57785	0.400249	2.06458
Slfn5os	0	0	0	0
Slfn8	0.406218	1.089559	0.635204	2.568945

Slfn9	0.230636	1.553376	1.259736	0.71783
Slfnl1	0	0	0	0
Slirp	66.016235	129.220535	217.846283	145.969727
Slit1	0.105518	0.20614	0	0.116953
Slit2	1.402616	3.467921	3.755004	1.757083
Slit3	13.409914	4.573662	3.197809	19.044306
Slitrk1	0	0	0	0
Slitrk2	0	0	0	0
Slitrk3	0	0	0	0
Slitrk4	0	0	0	0
Slitrk5	0	0	0	0
Slitrk6	0.140182	0.119625	0.241295	0.149966
Slk	14.932048	15.135918	14.994141	13.028396
Slmap	7.836631	13.061197	10.487417	10.580192
Slmo1	1.067139	1.272408	1.315236	0.76317
Slmo2	33.71278	57.995617	55.36142	59.689472
Sln	0	14.912096	0	0
Slpi	36.89975	9.196077	26.132856	26.260565
Sltm	32.035611	24.364452	22.127313	26.405068
Slu7	21.31049	14.71272	10.28574	11.083286
Slurp1	1.604611	0	0	2.312887
Slx	0	0	0	0
Slx1b	3.360425	4.083953	4.277979	4.436272
Slx4	5.452526	8.099888	6.166626	5.769828
Slx4ip	0.393176	1.204085	1.612269	0.854027
Slxl1	0	0	0	0
Sly	0	0	0	0
Smad1	24.516142	25.157154	17.380457	19.189486
Smad2	6.218354	6.713887	4.616758	4.687325
Smad3	16.068794	14.291425	10.777992	12.105395
Smad4	26.707735	25.887712	19.728764	18.130848
Smad5	11.254025	17.581589	12.913915	12.668725
Smad6	4.340174	1.197509	1.317535	3.140447
Smad7	31.568203	25.614735	16.969524	20.257086
Smad9	0.782673	0.236382	0.372944	0.527497
Smagp	2.170947	3.15042	3.93204	5.289431
Smap1	32.439311	21.357107	18.724715	17.357397
Smap2	18.282907	18.728754	17.2582	21.378452
Smarca1	0.097764	0.040598	0	0.21471
Smarca2	4.18292	5.423351	5.076753	5.478304
Smarca4	32.51557	37.473475	27.215817	26.028081
Smarca5	18.405563	18.241787	16.021275	13.87138
Smarca5-ps	1.829744	2.015138	1.712033	1.818949
Smarcad1	3.798678	5.419753	6.421401	4.013499
Smarcal1	3.122762	4.473844	4.299255	3.31482
Smarcb1	46.201976	45.516131	40.335994	37.678785
Smarcc1	24.736036	31.465889	20.077608	17.88262
Smarcc2	14.381508	25.016633	17.526614	19.020911
Smarcd1	18.316238	16.282366	13.918689	12.533772

Smarcd2	22.127662	25.119021	22.905452	26.615629
Smarcd3	12.733747	14.971673	13.945474	11.704673
Smarce1	45.345741	41.524742	34.027779	33.439308
Smc1a	26.042789	37.169708	28.492344	24.892834
Smc1b	0	0	0	0
Smc2	1.57368	7.085942	6.555278	5.22918
Smc2os	0	0	0.313596	0.263328
Smc3	21.008509	20.900103	16.653276	14.52941
Smc4	11.577535	24.801481	28.423222	18.034281
Smc5	13.35439	12.598318	11.213949	7.838301
Smc6	9.959538	13.497355	12.416179	7.985793
Smchd1	7.651313	10.211107	8.813906	6.253273
Smco1	0	0.367471	0	0
Smco2	0	0	0	0
Smco3	0	0	0	0.113145
Smco4	5.442394	10.844367	12.92108	10.127783
Smcp	0	0	0	0
Smcr8	5.81193	8.041637	6.676874	8.100488
Smdt1	63.207981	84.507568	88.580284	123.404373
Smek1	19.652078	21.407441	14.130192	16.417818
Smek2	6.577426	9.708443	9.763372	9.477352
Smg1	6.26659	6.365475	6.085504	5.169707
Smg5	27.870838	38.436729	29.218952	26.821138
Smg6	18.425596	9.579641	9.668403	11.243929
Smg7	14.507383	20.621044	12.685289	13.739153
Smg8	8.60293	10.683824	7.420263	8.081855
Smg9	15.066512	15.244462	12.414	13.200868
Smgc	0	0	0	0
Smim1	3.778331	1.179605	1.787789	4.073937
Smim10l1	13.103187	20.113444	17.929929	23.998353
Smim10l2a	0	0	0	0.150918
Smim11	40.993858	71.024704	100.193321	86.944237
Smim12	11.554886	22.909899	23.19537	32.369465
Smim13	3.242079	4.14584	3.502544	4.743247
Smim14	28.027122	22.324127	26.274906	33.236576
Smim15	16.021809	29.335365	43.020023	40.646099
Smim18	0	0	0	0
Smim19	9.07021	9.690675	10.730311	9.938488
Smim20	20.188047	30.67802	42.282585	41.095158
Smim22	0	0	0	0.773911
Smim23	0	0	0	0
Smim24	2.035527	2.315711	1.698847	4.934062
Smim3	23.790333	33.149166	28.888536	41.542957
Smim4	22.79814	18.375326	30.474464	33.55854
Smim5	0	1.635285	1.230947	2.593031
Smim6	0	0.174067	0	0.989812
Smim7	34.530411	30.137297	37.131195	41.92004
Smim8	4.756917	9.37	13.189158	8.348253
Smim9	0	0	0	0

Smkr-ps	0.94211	0	0	0.403322
Smlr1	0	0	0	1.888848
Smn1	31.042105	28.557436	30.857672	27.973063
Smndc1	34.068089	21.284023	18.307913	17.679035
Smo	17.669048	33.460686	32.172062	19.032623
Smoc1	1.051939	0.547432	0.084135	2.723855
Smoc2	27.268564	6.961202	1.107512	45.094246
Smok2a	0	0	0	0
Smok2b	0	0	0	0
Smok3a	0	0	0	0
Smok3b	0	0	0	0
Smok4a	0	0	0	0
Smox	33.574643	15.730678	10.31213	22.90261
Smpd1	18.910576	16.90304	13.856033	18.138454
Smpd2	14.575896	10.019416	8.902462	10.827505
Smpd3	0.509403	0.458542	0.279437	1.132453
Smpd4	6.942242	11.904585	10.736533	9.52928
Smpd5	1.679206	1.750123	1.136719	1.892481
Smpdl3a	14.615577	19.981421	38.373611	46.768242
Smpdl3b	2.10779	6.140901	7.696219	3.006795
Smpx	0	2.315984	0	0
Smr2	0	0	0	0
Smr3a	0	0	0	0
Sms	13.624592	29.765287	36.037128	23.123205
Smtn	103.161009	48.681	33.846044	40.910495
Smtnl1	0	1.34635	0	0
Smtnl2	3.918132	0.93546	1.058211	0.783791
Smu1	27.713299	28.584204	26.493992	24.681089
Smug1	3.635776	6.456778	6.083385	4.744973
Smurf1	25.132664	18.68932	12.4093	12.395767
Smurf2	17.953976	16.152992	11.792376	15.276574
Smyd1	0	1.182099	0	0.137006
Smyd2	51.878849	65.518539	59.54895	52.401718
Smyd3	4.161972	4.31854	4.42596	4.195807
Smyd4	2.146534	2.545005	2.190704	2.079597
Smyd5	19.248409	30.204279	23.080914	19.048512
Snai1	97.834412	81.554459	43.785278	65.873184
Snai2	0.29537	0.504954	0.366641	2.355983
Snai3	0	0.153445	0.151228	0.219169
Snap23	8.563202	21.063106	24.389689	25.947665
Snap25	0	0	0	0
Snap29	5.479067	9.141646	8.936989	9.2389
Snap47	10.988241	18.684385	16.775101	14.254158
Snap91	0	0	0	0
Snapc1	7.266392	9.246353	9.452884	7.974743
Snapc2	13.462763	10.252976	8.789806	10.638973
Snapc3	8.314607	8.46534	8.965686	8.571692
Snapc4	11.850926	12.919368	10.014714	8.097806
Snapc5	6.183528	15.214903	16.993713	15.91246

Snapin	21.769873	28.893629	33.282143	22.610106
Snca	0.269735	0.459914	0.382907	0.270808
Sncaip	0	0.169199	0.198129	0.139295
Sncb	0.530898	0	0	0.145594
Sncg	0	1.484622	0.269081	0.546601
Snd1	62.201832	82.630898	73.405457	49.026325
Sned1	8.329932	9.984403	3.487416	8.033614
Snf8	33.809868	48.415443	48.432739	69.176353
Snhg1	192.184998	231.326157	384.631744	269.335632
Snhg10	4.943552	3.728267	8.007148	9.674617
Snhg11	0	0	0.033589	0.117327
Snhg12	222.767593	129.097488	160.751541	110.441292
Snhg14	0.144316	0.482137	0.656558	0.079402
Snhg17	16.476517	17.510561	10.690445	15.33525
Snhg18	8.620133	4.955273	2.091422	14.271166
Snhg20	58.613785	52.860645	55.006397	55.092144
Snhg3	19.752121	39.149719	60.108829	48.196766
Snhg4	6.491841	11.50112	12.918955	14.407114
Snhg5	59.042091	52.469852	55.626095	42.415344
Snhg6	164.990662	77.154411	123.605446	115.611244
Snhg7	15.927906	20.133291	25.198715	24.754717
Snhg8	104.953384	46.933895	76.68602	63.036327
Snhg9	42.177914	21.181946	22.348072	53.420994
Snip1	11.050687	15.06001	9.627535	12.013816
Snn	5.138694	8.774951	9.346874	10.736898
Snora15	0	0	0	0
Snora16a	8.322187	1.909297	9.02284	7.113151
Snora17	10.501481	13.68865	15.822043	19.570564
Snora19	0	0	0	0
Snora20	0	2.828588	0	0.279116
Snora21	15.717966	1.59108	0.836085	0.967389
Snora23	0	0.777862	0.360393	0.597257
Snora24	0.536565	0.290112	0.751984	0.776557
Snora26	0.194531	0.189891	0.251409	0.393351
Snora28	1.326906	3.585994	2.284387	0.223858
Snora2b	0.230073	0.439441	0.703455	0.704811
Snora3	6.866006	6.076749	5.914489	5.843027
Snora30	0.321099	0.137464	0.398844	0
Snora31	22.81852	10.49103	23.014687	20.425718
Snora33	5.349352	10.349936	8.503985	8.53046
Snora34	0.886936	0.522057	3.102956	1.259221
Snora35	0	0	0	0
Snora36b	0	0.061336	0	0
Snora41	0	0.374881	1.836037	1.439071
Snora43	9.435496	7.736899	11.156756	7.961817
Snora44	11.989006	7.465537	6.116648	4.504558
Snora47	0	0.736331	1.193267	0.767768
Snora52	13.263756	7.324775	7.805196	9.333135
Snora5c	0	1.966009	3.230783	0.490399

Snora61	44.193802	38.231552	45.853134	41.753742
Snora62	0	0	1.395185	0.786003
Snora64	13.654929	9.172359	9.444328	8.546093
Snora65	65.744667	89.481651	94.2967	67.225311
Snora68	27.804279	22.218842	13.01726	9.436974
Snora69	0.639059	0.347777	1.049416	0
Snora70	12.371428	17.449533	26.018003	14.776298
Snora74a	1.251368	0.214287	1.190425	5.659711
Snora75	3.970031	0	3.073369	1.307642
Snora78	5.222653	8.889333	6.808126	5.175837
Snora7a	14.315652	10.099592	10.601624	7.661118
Snora81	7.05442	2.576775	2.818394	1.708267
Snord100	21.512344	11.289392	11.026305	13.702776
Snord104	65.34816	45.629375	63.299351	82.638832
Snord11	0	0	0	0
Snord110	0	0	0	0
Snord111	0	0	0.595005	2.370102
Snord116	0	0	0	0
Snord116l1	0	0	0	0
Snord116l2	0	0	0	0
Snord118	0	0	0	0
Snord12	15.787261	11.700067	7.490726	8.020531
Snord123	2.177381	1.645724	0.686401	0.260529
Snord14a	0	0	0	0
Snord14c	0	0	0	0
Snord14d	0	0	0	0
Snord15a	1.004476	0	1.259881	0
Snord15b	0.856661	1.408441	5.841099	1.574508
Snord16a	0	0.976018	1.308356	0.083062
Snord17	0.852063	0.575957	2.450951	0.647844
Snord19	12.700552	6.055273	4.158199	3.754901
Snord1a	0	0.186712	0.286318	0.240574
Snord1b	0	0.345308	1.159634	1.366908
Snord1c	1.279377	0	0.232234	0
Snord2	8.025833	2.762032	3.668998	3.846792
Snord22	140.193756	65.475067	71.470985	59.167328
Snord23	0	0	0.411178	0.179797
Snord32a	11.672762	13.5423	9.29718	6.114852
Snord33	8.65167	8.134696	4.951213	6.454017
Snord34	13.664939	4.868599	17.279404	11.667293
Snord35a	14.216666	2.745954	5.952571	1.956487
Snord35b	5.377973	0.414421	0.832149	0.350959
Snord37	11.730938	3.863957	7.494667	0.584084
Snord38a	3.874745	0.949255	0	0
Snord42a	3.127419	1.722296	2.334427	4.058732
Snord42b	17.611256	9.953894	12.570093	4.643465
Snord43	0	0	0.861732	1.209236
Snord45b	4.445271	2.074298	6.463445	3.284822
Snord45c	0	0.438972	0.295391	0.175504

Snord47	1.199466	11.897474	7.020116	1.654979
Snord49a	9.19683	11.797948	12.516953	9.474167
Snord49b	5.841624	2.963282	11.797194	8.181343
Snord4a	0	0.379839	0.675316	0.165838
Snord52	6.036091	11.036285	8.768939	7.424299
Snord53	7.355395	2.12976	3.746241	6.009191
Snord55	21.609011	4.634532	3.291205	5.586049
Snord57	8.002082	8.548619	9.671198	7.223168
Snord58b	1.302632	3.517735	1.181804	0.605057
Snord61	0	0	0	0
Snord64	0	0	0	0
Snord65	4.427999	6.222893	10.170883	10.834752
Snord66	2.950467	1.131435	1.222556	0
Snord67	0	0	0	0
Snord68	13.489748	5.067886	12.761839	5.723715
Snord69	2.273333	0.479422	2.459309	0
Snord7	0.24433	0.160792	0.216365	0.151827
Snord70	0	1.131435	0	0
Snord71	3.251993	0.892773	1.241304	0
Snord72	0	0.292288	0	2.063763
Snord73a	0.369228	0.956728	0.328279	0.352812
Snord8	0.493873	2.142869	0.729508	0.398681
Snord82	0.760473	0	2.751749	0
Snord83b	11.97881	9.301278	10.547556	9.889977
Snord85	0	0	0	0
Snord87	0	0	4.223263	4.884005
Snord88a	1.725219	3.658535	3.611067	2.375476
Snord88c	3.91714	1.744295	3.407846	2.165108
Snord89	1.405793	2.010102	4.623842	3.342636
Snord90	0	0	0	0
Snord91a	0	0	0.170218	0
Snord92	0	0.286267	0.253131	0.233106
Snord93	2.716303	31.039036	37.30706	36.949947
Snord95	4.498742	3.20296	4.354522	1.525059
Snord96a	3.887107	16.435198	15.11788	14.734458
Snord98	0	0	0	0
Snord99	10.076017	12.799358	10.926994	11.967979
Snph	0.093892	0	0	0
Snrk	4.583359	6.236866	5.341532	5.894782
Snrnp200	25.746618	26.297134	19.816544	15.631284
Snrnp25	36.886887	39.659378	70.841942	79.786301
Snrnp27	80.702187	86.966217	123.293823	113.987068
Snrnp35	6.901282	9.981133	8.899302	10.891449
Snrnp40	23.061213	33.322475	28.43705	25.546854
Snrnp48	22.764639	13.925828	14.46959	16.704086
Snrnp70	75.703489	88.603274	67.821856	73.583255
Snrpa	29.9273	56.755859	40.427864	38.905687
Snrpa1	99.416519	51.386383	49.827477	46.584476
Snrpb	143.573318	180.407074	174.439896	156.750809

Snrpb2	73.474487	54.632214	69.054649	63.801403
Snrpc	71.095245	81.668449	90.853294	88.090096
Snrpd1	116.570541	131.922684	184.796646	141.927109
Snrpd2	215.333481	184.866943	262.66449	276.223328
Snrpd3	110.219208	159.43869	169.955505	173.605255
Snrpe	148.180405	143.327164	264.37851	193.787598
Snrpf	63.449631	102.043129	109.047661	93.441299
Snrpg	337.259827	506.551239	842.97644	608.486755
Snrpn	1.38673	2.719959	2.073782	1.618535
Snta1	27.26347	7.699107	6.073856	9.621558
Sntb1	0	0	0	0.321355
Sntb2	6.352375	8.189035	6.15276	5.83189
Sntg1	0	0	0	0
Sntg2	0	0	0	0
Sntn	0	0	0	0
Snupn	5.926626	8.194448	6.234845	8.118647
Snurf	0.273499	0.06552	0.144507	0
Snw1	51.40382	47.188911	40.089092	36.862087
Snx1	39.220337	56.216915	58.05909	53.274952
Snx10	11.716189	18.262337	24.404665	17.499508
Snx11	4.525586	7.944276	6.453268	7.94728
Snx12	32.13581	40.991497	37.676168	29.707948
Snx13	4.306026	6.321298	5.696479	5.778337
Snx14	5.932774	11.381886	12.687888	9.2362
Snx15	10.864402	14.84155	11.326365	15.992232
Snx16	1.855641	4.690494	4.750565	4.759118
Snx17	34.568954	33.368008	34.40078	33.43845
Snx18	18.344519	13.196788	11.490865	13.321205
Snx19	2.707509	6.630003	5.747278	4.657572
Snx2	35.184864	63.050377	74.306129	62.292324
Snx20	3.330335	8.440001	8.41163	12.961118
Snx21	18.145958	12.534737	12.827063	11.981362
Snx22	2.84953	1.36077	2.310858	2.431003
Snx24	10.968623	9.927411	11.712157	9.999383
Snx25	9.117409	9.531058	8.859353	7.754248
Snx27	9.022395	15.552495	13.734322	11.536613
Snx29	0.783014	0.847618	1.552559	0.938379
Snx3	91.165298	100.713737	100.959206	101.835876
Snx30	3.472467	4.234366	3.466978	4.442418
Snx31	0	0	0	0
Snx32	1.191462	2.255633	2.381282	2.299295
Snx33	4.767799	6.272349	4.759324	5.402793
Snx4	24.645456	26.060186	22.137894	22.554228
Snx5	42.868887	66.482482	94.134537	69.851143
Snx6	59.188629	55.648357	50.878845	48.664532
Snx7	13.653038	16.369359	15.235183	17.292477
Snx8	16.07235	15.988883	12.608069	16.567678
Snx9	50.342201	65.874298	37.287609	40.698895
Soat1	31.615332	39.954487	42.231224	41.149662

Soat2	6.4562	4.272596	5.31789	5.391895
Sobp	0.048957	0.312053	0.029664	0.145614
Socs1	7.656091	11.242906	9.388114	15.039201
Socs2	3.929384	5.689447	4.605263	11.3577
Socs3	46.145546	48.156807	33.717873	44.145027
Socs4	4.874745	6.365505	6.619222	4.154471
Socs5	13.044499	24.556055	15.351307	25.702234
Socs6	6.944627	9.298738	6.329338	5.847969
Socs7	6.738992	5.490248	4.583807	5.441089
Sod1	379.022858	277.890991	270.964264	269.627319
Sod2	11.653525	13.172533	10.869601	14.643693
Sod3	2.999259	10.923604	0.839559	9.727814
Soga1	6.625355	5.572041	3.895358	7.164466
Soga3	0	0.18279	0.186352	0.029419
Sohlh1	0	0	0	0
Sohlh2	0	0	0	0.073172
Son	45.700617	18.026921	37.833826	20.38423
Sorbs1	4.01965	6.13014	5.983308	5.857579
Sorbs2	2.01234	2.16289	2.728959	1.457489
Sorbs2os	0	0	0	0
Sorbs3	22.399525	18.90726	11.61436	13.151595
Sorcs1	0.079943	0	0	0.016034
Sorcs2	13.142264	11.458032	7.078967	9.216378
Sorcs3	0	0	0	0
Sord	16.082697	21.015816	27.391298	24.854395
Sorl1	0.274269	0.817959	1.161592	0.712232
Sort1	4.150061	3.382958	4.919848	9.087955
Sos1	3.94211	4.542105	2.900366	2.400276
Sos2	9.097296	6.325216	5.330699	4.956934
Sost	0	0	0	0
Sostdc1	0	0	0	0
Sowaha	0.065195	0	0	0
Sowahb	0	0	0	0.394099
Sowahc	5.779417	4.391833	5.949042	5.307429
Sowahd	0	0	0	0
Sox1	0	0	0	0
Sox10	0	0	0	0.059049
Sox11	0.48919	0.540682	0.44089	0.427295
Sox12	8.465047	10.010968	7.886981	7.913584
Sox13	0.945145	2.037288	1.59184	1.290275
Sox14	0	0	0	0
Sox15	0	0	0	0
Sox17	0.500532	0.182458	0.249491	0.269947
Sox18	0.489726	5.39371	3.112464	2.31026
Sox2	0	0	0.040099	0
Sox21	0	0	0	0
Sox2ot	0	0	0	0
Sox3	0	0	0	0
Sox30	0	0	0	0

Sox4	139.366882	91.473434	53.00819	57.070229
Sox5	0.268039	0.126864	0.145881	0.368389
Sox5os3	0	0	0	0
Sox6	0	0.097405	0	0.060004
Sox7	0.149704	0.581826	0.659171	0.42558
Sox8	0	0.05659	0.049258	0.096513
Sox9	91.926781	54.756367	43.471447	35.201748
Sp1	13.325794	11.702085	9.08742	8.792718
Sp100	2.366357	3.576722	3.367619	7.096265
Sp110	1.776302	4.965842	5.091822	7.169519
Sp140	4.495495	4.338299	5.676285	7.332086
Sp2	8.13069	9.550573	6.288243	5.682579
Sp3	16.020199	14.598569	12.881373	11.903042
Sp3os	9.439322	3.828643	7.741166	7.649735
Sp4	1.895262	0.90959	1.066861	0.761157
Sp5	0	0	0	0
Sp6	0.81538	0.745574	0.245698	2.03831
Sp7	0.271661	0	0	0.577045
Sp8	0	0	0	0
Sp9	0	0	0	0
Spa17	2.497695	2.722003	2.915497	2.32734
Spaca1	0	0	0	0
Spaca3	0	0	0	0
Spaca4	0	0	0	0
Spaca5	0	0	0	0
Spaca6	12.835495	10.668078	10.117317	12.012252
Spaca7	0	0	0	0
Spag1	0.32328	1.159394	1.011657	1.430257
Spag11a	0	0	0	0
Spag11b	0	0	0	0
Spag16	0	0	0	0
Spag17	0.113396	0.140401	0.076241	0.066347
Spag4	3.222363	1.219328	0.968663	1.376243
Spag5	4.391069	13.668694	16.454655	7.931473
Spag6	0	0	0	0
Spag6l	0.694988	0	0	0.148465
Spag7	35.906845	52.237511	55.673931	30.685236
Spag8	0	0.321083	0	0.224105
Spag9	12.109131	19.805448	19.479468	17.687846
Spam1	0	0	0	0
Spanxn4	0	0	0	0
Sparc	506.660507	215.038757	351.769752	327.168518
Sparcl1	13.973133	14.100818	14.642433	8.077633
Spast	9.77464	8.409405	6.229645	4.4676
Spata1	1.819033	1.229478	0.891784	1.150814
Spata13	2.177914	2.710253	2.755149	1.918458
Spata16	0	0	0	0
Spata17	0	0	0.26353	0
Spata18	0	0	0	0

Spata19	0	0	0	0
Spata2	6.394341	7.938725	5.126523	5.782866
Spata20	0	0	0	0
Spata21	0	0	0	0
Spata22	0	0	0.154606	0
Spata24	4.655766	5.730233	9.220352	5.842317
Spata25	0	0	0	0
Spata2l	0.792034	1.039684	1.026073	2.170852
Spata3	0	0	0	0
Spata31	0	0	0	0
Spata31d1a	0	0	0	0.025332
Spata31d1b	0	0	0	0
Spata31d1c	0	0	0	0
Spata31d1d	0	0	0	0
Spata32	0	0	0	0.103003
Spata33	0	0.655271	0.469715	0.278661
Spata4	0	0	0	0
Spata45	0	0	0	0.425245
Spata5	9.298248	12.419305	8.749702	7.083644
Spata5l1	6.794786	7.154335	4.226123	5.891917
Spata6	3.094121	3.038585	3.39401	3.910755
Spata7	3.078528	5.047263	6.489171	3.613022
Spata9	0	0	0.139667	0.312357
Spatc1	0.143293	0.092644	0.182284	0
Spatc1l	0	0	0	0
Spats1	0	0	0	0.180184
Spats2	19.142809	26.315348	18.026941	16.292553
Spats2l	0.138631	0.333215	0.037403	0.219459
Spc24	1.460055	15.234113	24.171442	15.556239
Spc25	2.379419	13.375114	21.758413	12.46895
Spcs1	94.443901	111.557686	150.777542	146.874588
Spcs2	32.120499	40.093288	50.454304	52.953098
Spcs3	18.477423	35.708103	39.598251	25.933577
Spdef	0.157212	0	0	0.126863
Spdl1	3.17906	7.005881	9.01472	5.269377
Spdya	1.62857	2.478614	3.514839	1.162519
Spdye4a	0.136213	0	0	0
Spdye4b	0	0	0	0
Specc1	7.520344	22.323628	23.42292	14.559638
Specc1l	12.540035	11.615618	8.217374	8.616175
Speer1	0	0	0	0
Speer2	0	0	0	0
Speer3	0	0	0	0
Speer4a	0	0	0	0
Speer4b	0	0	0	0
Speer4c	0	0	0	0
Speer4cos	0	0	0	0
Speer4d	0	0	0	0
Speer4e	0	0	0	0

Speer4f1	0	0	0	0
Speer5-ps1	0	0	0	0
Speer6-ps1	0	0	0	0
Speer8-ps1	0	0	0	0
Speer9-ps1	0	0	0	0
Spef1	4.08428	7.899056	5.37455	9.230186
Spef2	0	0	0	0
Speg	1.055291	1.908213	2.692995	5.694135
Spem1	0	0	0	0.360593
Spen	10.098604	6.722339	4.225718	4.350126
Spert	0	0	0	0
Spesp1	0	0	0	0
Spg11	3.062826	6.429492	4.821512	4.20802
Spg20	19.119511	16.981481	14.306793	13.60582
Spg21	31.634604	23.887892	32.598698	29.114008
Spg7	23.687078	36.952541	35.812683	26.196796
Sphk1	54.796803	38.365176	27.396276	28.954773
Sphk2	6.61516	8.689437	5.865484	9.437964
Sphkap	0	0	0	0
Spi1	13.241709	36.734718	33.171185	53.002438
Spib	0	0.030459	0.158601	0.120559
Spic	0	0	0	0.137652
Spice1	2.815755	5.824597	4.348673	2.434713
Spidr	9.594714	9.741515	8.930465	7.595374
Spin1	16.714378	13.669701	12.930189	13.491329
Spin2-ps1	0	0	0	0
Spin2c	0	0	0	0.311105
Spin2d	0	0	0	0
Spin4	0.319444	0.332305	0.462546	0.462197
Spink1	0	0	0	0.680381
Spink10	0	0	0	0
Spink11	0	0	0	0
Spink12	0	0	0	0
Spink13	0	0	0	0
Spink14	0	0	0	0
Spink2	1.445649	3.474097	12.039663	12.921001
Spink4	0	0	0	1.262154
Spink5	0	0	0	0
Spink6	0	0	0	0
Spink7	0	0	0	0
Spink8	0	0	0	0
Spinkl	0	0	0	0
Spint1	1.958341	8.295449	9.958079	11.322786
Spint2	8.025786	0.724153	0.870613	9.352799
Spint3	0	0	0	0
Spint4	0	0	0	0
Spint5	0	0	0	0
Spire1	5.100388	5.878913	6.935989	6.913753
Spire2	1.85281	5.266068	5.732567	2.043085

Spn	0.181254	2.260612	2.101597	2.210525
Spn-ps	0	0	0	0
Spns1	17.329712	18.482589	15.508649	17.328774
Spns2	4.20733	8.437854	7.218948	8.434013
Spns3	0	0	0.349394	0.22294
Spo11	0	0	0.509253	0
Spock1	0	0	0	0
Spock2	0.667135	0.05202	0.037733	0.088362
Spock3	0	0	0	0
Spon1	5.081058	13.731999	2.700767	6.559792
Spon2	0.449834	0.170701	0.175512	1.984422
Spop	44.39793	63.151211	57.114021	63.355297
Spopl	1.418284	2.837726	5.396213	4.135419
Spp1	1761.195765	2455.781802	1878.468414	5336.459741
Spp2	0	0	0	4.33568
Sppl2a	7.316134	14.827	16.996738	14.769679
Sppl2b	2.506194	10.241676	10.602067	6.368836
Sppl2c	0	0	0	0
Sppl3	30.753382	27.720791	19.694632	23.331612
Spr	19.31966	23.405062	23.254778	31.498047
Spred1	10.300173	18.042101	11.397368	13.733153
Spred2	11.174652	14.985605	11.025688	9.932843
Spred3	5.882323	9.281644	7.963421	6.923269
Sprn	0.345435	0	0	0.491419
Sprr1a	1.426826	0	0	0.362464
Sprr1b	0	0	0	0
Sprr2a1	0	0	0	0
Sprr2a2	0	0	0	0
Sprr2a3	0	0	0	0.113544
Sprr2b	0	0	0	0.332151
Sprr2d	0	0	0	0
Sprr2e	6.045048	0	0	1.383948
Sprr2f	0	0	0	0
Sprr2g	0.791649	0	0	0.445801
Sprr2h	2.381077	0	0	0.466212
Sprr2i	0	0	0	0
Sprr2j-ps	0	0	0	0
Sprr2k	0	0	0	1.635023
Sprr3	0	0	0	0
Sprr4	0	0	0	0
Sprtn	6.021279	6.389453	3.954692	5.066499
Spry1	2.903161	3.594678	1.137582	4.732176
Spry2	33.952648	13.131586	11.73876	12.178805
Spry3	0	0.058576	0.090492	0.104886
Spry4	4.355586	3.297554	2.015303	4.458671
Spryd3	21.470087	21.229494	14.76891	19.47035
Spryd4	3.579194	7.567193	6.496906	8.080667
Spryd7	9.001462	10.881525	15.931042	13.56542
Spsb1	26.212227	41.306828	20.575579	19.840397

Spsb2	10.074629	5.621183	8.951748	11.001876
Spsb3	12.40499	10.683534	8.812905	12.503316
Spsb4	0.691213	0.171084	0.307982	1.393525
Spt1	0	0	0	0
Spta1	0	0	0	0
Sptan1	38.404832	44.37423	29.956104	29.602513
Sptb	0.267555	0.860808	0.144968	0.298592
Sptbn1	53.644052	61.137352	48.962533	52.064493
Sptbn2	0.232674	0.285227	0.292293	0.824943
Sptbn4	0.056642	0.023245	0.039302	0.066345
Sptlc1	9.706558	18.693991	18.423975	16.463522
Sptlc2	25.849314	27.168606	28.079645	25.679861
Sptlc3	0	0	0	0
Sptssa	56.946079	66.359406	105.690071	103.768204
Sptssb	0	0	0	0
Spty2d1	7.059568	4.768763	3.890097	5.692228
Spx	0.290356	1.149482	0.416333	1.091839
Spz1	0	0	0	0
Sqle	10.797202	26.623308	35.228088	9.991278
Sqrdl	7.612602	6.965057	8.632259	17.69298
Sqstm1	565.29327	235.246266	177.634394	230.93445
Sra1	53.989241	32.021685	33.707224	62.038225
Srbd1	4.100223	10.4693	8.490239	6.123105
Src	27.384626	35.182399	23.584559	25.591467
Srcap	17.150927	18.701031	14.07201	12.945677
Srcin1	0	0	0	0.050002
Srd5a1	1.14864	5.042894	3.053517	3.503943
Srd5a2	0	0	0	0.203899
Srd5a3	10.494617	14.962893	16.432127	13.479786
Srebf1	26.864689	23.076708	23.162098	18.774939
Srebf2	26.642363	45.479038	47.928707	19.179949
Srek1	23.921104	16.850946	15.996707	16.505272
Srek1ip1	9.190617	11.756065	14.252125	12.993726
Srf	23.57502	21.649443	14.628578	16.522612
Srfbp1	51.904419	28.126564	20.866234	17.515881
Srgap1	0.397604	0.311882	0.175796	0.365479
Srgap2	7.948152	10.254899	8.989777	7.33388
Srgap3	12.364692	4.777996	4.716472	5.242126
Srgn	216.057632	168.970398	308.698975	242.989838
Sri	37.85598	47.505291	59.109615	49.492393
Srl	0.955645	5.638197	1.91666	1.32908
Srm	47.787941	74.190155	52.207954	57.147602
Srms	0	0	0	0
Srp14	176.821045	202.065689	255.223892	309.327789
Srp19	53.113106	77.892059	93.987419	106.441017
Srp54a	11.124847	12.7399	9.418563	9.533134
Srp54b	13.336101	15.505088	12.019992	13.118942
Srp54c	18.47011	19.528282	15.368015	13.567508
Srp68	58.3969	47.077614	35.805523	36.84272

Srp72	27.476887	29.59086	30.24235	25.050245
Srp9	39.971481	27.582804	38.781837	56.172661
Srpk1	35.363186	49.16832	37.830448	32.047287
Srpk2	12.798315	16.167734	14.961372	13.332827
Srpk3	0	0	0	0
Srpr	49.183285	59.887001	48.826149	52.402786
Srprb	16.26967	23.692234	20.893721	25.060463
Srpx	1.851691	1.815317	0.961579	3.115496
Srpx2	1.222149	5.745635	0.431639	5.70482
Srr	3.625419	4.548928	4.651753	5.625409
Srrd	7.075761	9.066875	7.779708	7.880044
Srrm1	87.734403	48.239041	42.680808	38.652096
Srrm2	67.753052	107.298264	87.045395	57.848404
Srrm3	0	0	0.050093	0.058457
Srrm4	1.07289	0.739426	0.374006	0.493025
Srrm4os	0	0	0	0
Srrt	29.596202	53.005501	47.748496	37.500846
Srsf1	11.586944	23.746539	19.520619	22.5405
Srsf10	16.342521	32.498354	31.673745	26.588903
Srsf11	62.395899	60.122967	58.542497	50.788762
Srsf12	0	0	0	0
Srsf2	83.326889	127.310669	118.123436	103.848831
Srsf3	49.951599	74.686943	91.338351	74.201005
Srsf4	44.108574	30.43701	25.991041	27.499239
Srsf5	222.66103	211.849972	195.406739	180.599297
Srsf6	38.535435	64.468666	55.956455	52.605202
Srsf7	30.542282	76.145615	73.815218	72.499051
Srsf9	56.579285	84.706268	73.795349	94.211653
Srxn1	8.885212	10.374238	9.976782	11.237671
Sry	0	0	0	0
Ss18	16.44996	27.226773	23.929087	26.296092
Ss18l1	2.603192	2.397021	2.105517	2.255217
Ssb	77.06732	72.237152	74.18672	75.278799
Ssbp1	22.955636	49.120918	56.535727	41.820039
Ssbp2	3.723035	2.757423	2.648334	2.55858
Ssbp3	29.94138	37.088129	25.918883	27.432023
Ssbp4	33.068813	69.429459	55.53677	59.125721
Ssc4d	0.296041	0.418648	0.586128	0.221654
Ssc5d	4.065036	8.336117	3.177677	8.428539
Ssfa2	11.407678	13.976765	11.837246	11.256124
Ssh1	8.033824	6.56746	5.276908	6.318323
Ssh2	1.840516	3.085825	2.868851	5.425852
Ssh3	9.582293	8.171474	7.031692	9.136802
Ssmem1	0	0	0.326319	0
Ssna1	34.408035	53.840073	66.718864	66.266121
Sspn	12.173688	17.710115	17.879725	10.750303
Sspo	0	0	0	0
Ssr1	13.294605	16.470795	16.422512	15.581882
Ssr2	159.188293	237.130798	283.306549	268.566467

Ssr3	194.816467	191.242035	237.685013	186.247482
Ssr4	194.421272	221.416603	346.132447	325.741425
Ssrp1	102.511398	97.103131	72.375677	69.053673
Sssca1	32.428177	50.540123	50.253353	45.795429
Sst	0	0	0	0
Sstr1	0	0	0	0
Sstr2	0	0.284545	0.096427	0.285087
Sstr3	0	0	0	0.04433
Sstr4	0	0.030569	0.070954	0.172848
Sstr5	0	0	0	0
Ssty1	0	0	0	0
Ssty2	0	0	0	0
Ssu2	0	0	0	0
Ssu72	37.435772	47.211288	49.699059	55.790386
Ssx2ip	2.13344	5.917532	3.880953	4.253841
Ssx9	0	0	0	0
Ssxb1	0	0	0	0
Ssxb10	0	0	0	0
Ssxb2	0	0	0	0
Ssxb3	0	0	0	0
Ssxb5	0	0	0	0
Ssxb6	0	0	0	0
Ssxb8	0	0	0	0
Ssxb9	0	0	0	0
St13	163.667496	155.032242	123.364433	119.105194
St14	0.307581	0.062529	0.422423	0.368556
St18	0	0.035969	0.091612	0
St3gal1	6.399476	6.725509	4.516686	7.35392
St3gal2	11.042341	18.591162	12.76116	12.68495
St3gal3	4.694281	6.033383	5.650087	9.385733
St3gal4	27.126026	49.750046	45.72168	58.06678
St3gal5	16.744213	23.934602	30.184113	27.993543
St3gal6	1.386149	5.246648	5.958889	4.850424
St5	3.647265	2.572254	1.52165	3.681485
St6gal1	20.833372	23.335385	23.609259	21.791718
St6gal2	0	0	0	0
St6galnac1	0	0	0	0
St6galnac2	0.21848	0.331695	0.417391	1.184582
St6galnac3	0	0.349769	0.228147	0.119124
St6galnac4	13.134065	24.423508	17.495783	16.267128
St6galnac5	0	0	0	0
St6galnac6	14.621883	17.790967	10.287026	14.861854
St7	9.914564	9.781348	11.914542	10.262472
St7l	3.4017	5.091559	5.344294	4.436941
St8sia1	0	0	0	0
St8sia2	0	0.078937	0	0
St8sia3	0	0	0	0.08306
St8sia3os	0	0	0	0
St8sia4	0.271222	4.187751	2.874658	1.57756

St8sia5	0	0	0	0
St8sia6	0	0.145772	0.140082	0
Stab1	8.465099	33.277882	23.76746	15.301894
Stab2	0	0.02449	0	0.282785
Stac	0.274535	0.151833	0	0.300025
Stac2	1.749647	1.911268	1.164964	3.021019
Stac3	1.377551	0.995158	0.110038	0.584991
Stag1	6.380258	8.426962	7.048763	5.619594
Stag2	13.090311	12.358006	12.188457	9.613853
Stag3	0	0	0.116156	0
Stam	16.982468	12.314146	11.583465	10.007347
Stam2	9.496683	9.691547	7.302055	7.704696
Stambp	8.265002	7.761633	7.626052	6.544337
Stambpl1	7.822111	12.605947	12.83391	10.445839
Stamos	0	0.26518	0	0.362771
Stap1	0	0	0.198817	0
Stap2	2.3545	1.278903	2.798397	3.912602
Star	1.058948	1.39397	0.7777	2.363103
Stard10	6.412215	2.141982	2.605953	26.836233
Stard13	2.726411	5.386277	3.915647	2.669842
Stard3	12.377518	18.333538	15.879365	19.010044
Stard3nl	34.116119	54.469975	73.152725	81.089462
Stard4	1.952949	6.245256	7.398438	2.484552
Stard5	4.596175	2.834187	3.947874	5.390569
Stard6	1.073066	2.386753	1.771094	1.323016
Stard7	14.5378	17.79089	17.428047	16.410982
Stard8	0.319511	2.778091	2.360327	2.977756
Stat1	1.902933	3.623621	4.340037	7.011268
Stat2	2.848896	5.393757	3.360421	6.391424
Stat3	38.344477	31.224054	21.81786	32.393819
Stat4	0	0.085142	0	0.096027
Stat5a	1.647813	1.649614	2.199471	2.684345
Stat5b	4.080825	6.100458	5.047935	5.747706
Stat6	28.16987	30.938311	26.371637	26.506695
Stau1	32.947035	19.307033	21.848263	26.22607
Stau2	3.192453	4.523241	3.147161	2.444018
Stbd1	18.829756	5.217996	5.03052	9.665894
Stc1	1.081727	1.171041	0.721986	1.430587
Stc2	8.025652	4.472733	4.56368	6.637159
Steap1	12.309216	28.359848	39.402367	22.465054
Steap2	5.30324	8.605072	9.576543	5.525948
Steap3	10.351441	15.298343	13.4157	16.281763
Steap4	1.900944	1.130534	0.968646	9.447381
Stfa1	0	0	0	0
Stfa2	0	0	0	0
Stfa2l1	0	0	0	0
Stfa3	0	0	0	0
Stil	0.527338	3.737754	3.749946	1.530271
Stim1	5.241498	6.061998	5.634557	5.288534

Stim2	4.706066	8.536573	7.300226	6.932728
Stip1	76.299599	113.000175	97.952942	90.050919
Stk-ps2	0	0	0	0
Stk10	8.500696	11.381692	7.46124	12.143673
Stk11	48.133124	39.450888	31.873082	34.47016
Stk11ip	7.379471	7.213266	6.354235	6.809002
Stk16	7.620411	20.783816	18.921318	22.67293
Stk17b	14.799335	18.704746	19.100456	20.699869
Stk19	22.42411	18.769173	21.368267	19.491713
Stk24	38.937962	27.780821	22.214046	25.79673
Stk25	40.123772	52.927635	48.451118	49.317463
Stk26	0.327087	0	0.12292	0.086935
Stk3	4.949766	8.505197	5.832383	5.031467
Stk31	0	0	0	0
Stk32a	0	0.070031	0.13766	0.084992
Stk32b	0	0	0.042943	0.033746
Stk32c	0	0.193324	0.06737	0.075866
Stk33	0	0	0	0
Stk35	5.394633	7.388452	5.424981	5.509905
Stk36	0.556451	0.782968	0.684214	0.701238
Stk38	21.537378	28.614676	26.886209	28.955755
Stk38l	3.303111	7.110106	4.263667	5.079171
Stk39	8.052389	8.609231	8.050969	6.74409
Stk4	5.197284	8.482165	7.60172	7.886762
Stk40	6.072793	11.102355	8.099759	14.382862
Stkld1	0	0	0	0.04943
Stmn1	35.686798	97.388535	107.75824	67.590401
Stmn1-rs1	0.253086	0.043339	0.050298	0.058498
Stmn2	0.467086	0.771919	0.279139	0.06097
Stmn3	0	0	0	0
Stmn4	0	0.171277	0	0.44726
Stmnd1	0	0	0	0
Stom	25.462801	23.73884	29.344118	29.851908
Stoml1	11.286798	10.299912	9.43201	7.65352
Stoml2	72.301727	76.490089	89.883705	71.91098
Stoml3	0	0	0	0
Ston1	8.566797	10.512521	6.858748	6.277161
Ston2	0	0.273827	0.137469	0.447251
Stox1	0	0	0.047199	0.130981
Stox2	0	0.325687	0.037443	0.096141
Stpg1	0	0	0	0.047801
Stpg2	0	0	0	0
Stra13	14.291759	34.98642	47.728954	45.774517
Stra6	10.041992	0.274404	2.793393	9.069186
Stra6l	0.288767	0.22214	0.14732	1.245667
Stra8	0	0	0	0
Strada	4.725347	6.787064	5.174258	10.154936
Stradb	2.298983	4.324308	5.258128	3.463727
Strap	74.41024	70.903839	71.9133	64.046684

Strbp	0.315451	0.948154	0.879694	0.64835
Strc	0	0	0	0
Strip1	27.447586	25.504734	21.42235	18.676977
Strip2	0.036796	0	0.082544	0.032432
Strn	3.998276	6.005043	3.979504	4.003055
Strn3	7.092397	14.53113	17.427948	12.872046
Strn4	31.518802	28.153798	20.634988	21.346334
Stt3a	43.577145	59.249615	59.845695	48.256226
Stt3b	32.280674	39.8867	38.754253	30.391409
Stub1	61.10643	57.277012	47.581802	62.177742
Stx11	4.058293	2.927627	3.236813	2.234616
Stx12	18.360962	22.439722	18.612556	19.897514
Stx16	12.136087	20.732469	18.942025	18.003368
Stx17	4.537433	4.866776	4.765499	4.417295
Stx18	6.134903	7.719104	8.072686	8.46876
Stx19	0.203	0.107143	0.161883	0
Stx1a	9.047725	11.884767	7.511411	10.535239
Stx1b	0	0	0	0.220766
Stx2	10.023754	13.724535	11.183548	11.87331
Stx3	8.488813	3.521924	6.072041	9.456111
Stx4a	53.82869	55.152046	48.904591	57.436111
Stx5a	33.135435	40.923654	34.605481	38.078538
Stx6	13.650272	20.982735	12.358047	15.770912
Stx7	32.192879	26.243414	26.540161	36.677643
Stx8	8.611931	5.732577	6.184584	8.023573
Stxbp1	22.748828	17.856869	12.326377	13.571486
Stxbp2	19.726706	21.078596	22.593065	25.907688
Stxbp3	12.224201	16.448887	13.633535	11.699126
Stxbp3-ps	1.648181	1.633577	1.194344	1.262697
Stxbp4	0.823374	2.126337	2.049718	0.948453
Stxbp5	2.932536	2.785422	2.271597	1.949703
Stxbp5l	0	0	0	0
Stxbp6	0.102813	0.098101	0.125239	0.227073
Styk1	1.634513	1.926902	2.430542	1.83482
Styx	1.889995	3.163404	3.681287	2.710883
Styxl1	0	0	0.149037	0.104937
Sub1	16.556656	19.906094	28.018265	26.750727
Sucla2	16.943077	21.308605	19.037678	16.806494
Suclg1	25.964445	50.083672	50.706821	49.523624
Suclg2	14.878675	21.378918	23.469357	12.855054
Sucnr1	0	0	0	0.072909
Suco	6.473065	5.967477	5.252669	5.686859
Suds3	43.246796	42.593872	39.136431	42.220442
Sufu	6.911321	9.555977	6.310172	7.5652
Sugct	1.004881	0.512559	0.915522	1.167827
Sugp1	28.100155	20.468237	15.191399	14.763188
Sugp2	5.356734	10.470406	9.107147	6.637059
Sugt1	30.986052	29.350761	33.520115	30.040113
Sulf1	1.730579	8.32313	1.629125	11.772614

Sulf2	23.062457	36.273209	30.866453	18.546995
Sult1a1	4.626262	0.15485	2.228033	3.531999
Sult1b1	0	0	0	0
Sult1c1	0	0	0	0
Sult1c2	0	0	0	0
Sult1d1	0	0	0	1.208892
Sult1e1	0	0	0	0.366687
Sult2a1	0	0	0	0
Sult2a2	0	0	0	0
Sult2a3	0	0	0	0
Sult2a4	0	0	0	0
Sult2a5	0	0	0	0
Sult2a6	0	0	0	0
Sult2a7	0	0	0	0
Sult2a8	0	0	0	0.444809
Sult2b1	0	0	0.346773	0.25445
Sult3a1	0	0	0	0
Sult4a1	0	0.053414	0	0.115616
Sult5a1	0	0	0.254133	0.234175
Sult6b1	0	0	0.143423	0.289306
Sumf1	20.262154	28.917061	29.871609	33.373528
Sumf2	10.063064	20.710472	21.126509	16.42712
Sumo1	43.987526	84.316605	112.856216	95.12941
Sumo2	43.328289	58.853825	59.844593	47.031708
Sumo3	47.940487	59.02046	14.682126	59.39231
Sun1	31.310051	43.09521	39.499536	29.479418
Sun2	41.86894	38.158564	35.467848	27.588198
Sun3	0	0	0	0
Sun5	0	0	0	0
Suox	1.951789	2.041544	1.584514	2.411347
Supt16	16.310745	28.101843	23.772182	17.576788
Supt20	16.398756	22.908682	17.380932	11.99719
Supt3	9.321429	8.964505	13.05279	9.716156
Supt4a	104.665062	100.828209	135.634567	127.945442
Supt5	64.398415	46.047237	31.780773	31.811462
Supt6	28.390814	23.443935	17.881641	17.844261
Supt7l	4.560884	6.289249	5.204454	5.108911
Supv3l1	6.785779	10.567081	11.746394	7.62215
Surf1	25.522519	23.027117	20.993195	23.10931
Surf2	25.216537	36.235504	28.521027	27.248339
Surf4	98.742035	94.736115	79.605835	89.055641
Surf6	9.617653	14.624944	8.5612	11.524731
Susd1	0	0.309557	0.164388	1.425117
Susd2	0.429318	0.792526	0.135144	0.727072
Susd3	0.30147	5.826937	7.185813	2.176955
Susd4	0	0.131112	0	0.295113
Susd5	0	0	0	0
Susd6	16.708513	18.596392	12.298403	20.588665
Suv39h1	13.073059	18.556459	8.938075	9.559377

Suv39h2	0.69311	3.791626	3.648117	2.525514
Suv420h1	10.125349	9.119232	7.78289	9.394432
Suv420h2	17.035109	18.419633	19.531101	21.695822
Suz12	11.131148	10.012871	13.519215	11.188853
Sv2a	0	0.111928	0.08907	0.192638
Sv2b	0	0	0	0
Sv2c	0.048575	0	0	0
Sva	0	0	0	0
Sval1	0	0	0	0
Sval2	0	0	0	0
Sval3	0	0	0	0
Svep1	0.271145	0.856356	0.182963	0.158283
Svil	8.400732	11.694746	10.169012	11.172764
Svip	0	1.225444	1.137776	0.855016
Svop	0	0	0	0
Svopl	0	0	0	0
Svs1	0	0	0	0
Svs2	0	0	0	0
Svs3a	0	0	0	0
Svs3b	0	0	0	0
Svs4	0	0	0	0
Svs5	0	0	0	0
Svs6	0	0	0	0
Swap70	22.10313	21.208027	19.422552	16.632658
Swi5	195.826433	278.491265	337.89594	352.221467
Swsap1	1.594718	1.619466	1.665224	3.154127
Swt1	4.5284	6.676788	6.614922	6.076929
Syap1	13.554795	17.79311	15.354829	18.47946
Sybu	0.427322	0.284786	0.045735	0.462669
Syce1	0	0	0	0
Syce1l	0	0	0	0
Syce2	6.810672	5.269942	10.892058	9.880539
Syce3	0	0	0	0
Sycn	0	0	0	0
Sycp1	0.373903	0.108798	0.28119	0
Sycp1-ps1	0.079593	0	0	0
Sycp2	0	0	0	0
Sycp3	0	0	0	0
Syde1	14.965523	16.08028	9.5744	12.794007
Syde2	1.477638	1.120965	0.787312	1.102841
Syf2	70.516068	37.926125	27.056244	37.315727
Syk	10.172828	15.188629	14.379334	20.634975
Sympk	29.576101	39.278107	29.412544	25.010786
Syn1	0.847765	1.866368	0.748927	1.74131
Syn2	0	0	0	0.2199
Syn3	0.153433	0.050843	0.069146	0.223769
Syna	0.151934	0.014541	0.069526	0.311633
Synb	0	0	0	0
Sync	0.267466	1.808641	0.159217	0.362352

Syncrip	22.535431	25.302524	22.136322	21.264637
Syndig1	0	0	0.047285	0
Syndig1l	0	0	0	0
Syne1	2.190618	4.360755	3.272698	3.319767
Syne2	2.448218	3.58521	4.411862	1.956054
Syne3	10.046041	14.663332	11.559803	6.689974
Syne4	1.035978	0.710652	0.430067	0.484815
Syngap1	1.285579	1.959113	1.713926	1.78044
Syngr1	3.073123	13.164111	17.06744	14.37773
Syngr2	41.556141	87.761574	99.421089	77.581024
Syngr3	0	0.151609	0.149812	0.171848
Syngr4	0	0	0	0.129801
Synj1	1.96372	1.299387	2.7535	2.827816
Synj2	13.30757	24.679352	18.019516	14.981729
Synj2bp	5.519155	5.064177	5.279755	6.487924
Synj2bp-cox16	13.507009	7.294643	32.18092	27.477699
Synm	1.137875	3.156882	1.09581	1.187848
Synpo	34.328033	34.525293	23.610416	31.711625
Synpo2	0.088765	0.766304	0.107223	0.129203
Synpo2l	0	1.423237	0	0.042228
Synpr	0	0	0.037066	0.30199
Synrg	2.517177	3.771586	3.594969	2.967299
Syp	0.194862	0.322062	0.454723	0.73244
Sypl	10.89068	12.361386	12.872087	11.523064
Sypl2	0	1.988872	0	0
Sys1	21.023546	21.221443	21.592499	25.006752
Syt1	0	0	0	0.047687
Syt10	0	0	0	0
Syt11	2.585527	3.716369	3.733912	3.364911
Syt12	0.82889	2.497018	0.85805	2.217594
Syt13	0.039633	0.067566	0	0.321449
Syt14	0	0	0	0.036463
Syt15	0.059328	0.035114	0.180395	0.045261
Syt16	0	0	0	0
Syt17	0.948793	1.902518	1.889835	0.975635
Syt2	0	0	0	0
Syt3	0	0.15196	0	0
Syt4	0	0.032629	0	0.044042
Syt5	1.66502	0	0.158699	0.396734
Syt6	0.101476	0	0	0.233661
Syt7	2.276464	0.688315	0.731804	1.041394
Syt8	0.351091	1.271162	7.436548	1.123255
Syt9	0	0	0	0.317392
Sytl1	0	0.154286	0	0.265513
Sytl2	0.081294	0.417156	0.102763	0.483957
Sytl3	0	0	0	0
Sytl4	0	0.259796	0.055859	0.206707
Sytl5	0	0.064063	0.093881	0.375464
Syvn1	22.305478	23.018181	16.64408	23.165344

Szrd1	28.857498	47.055345	35.370653	40.655692
Szt2	4.776637	4.991601	3.878921	3.466474
T	0	0	0	0
T2	0.084428	0	0	0
Taar1	0	0	0	0
Taar2	0	0	0	0
Taar3	0	0	0	0
Taar4	0	0	0	0
Taar5	0	0	0	0
Taar6	0	0	0	0
Taar7a	0	0	0	0
Taar7b	0	0	0	0
Taar7d	0	0	0	0
Taar7e	0	0	0	0
Taar7f	0	0	0	0
Taar8a	0	0	0	0
Taar8b	0	0	0	0
Taar8c	0	0	0	0
Taar9	0	0	0	0
Tab1	11.112395	12.51949	10.15649	11.288954
Tab2	28.822664	26.261826	19.654984	22.85832
Tab3	1.501372	1.90223	1.513673	0.948296
Tac1	0	0	0	0
Tac2	0.958938	0	0	8.086857
Tac4	0	0.136099	0	0
Tacc1	8.013558	6.136754	5.212879	11.104926
Tacc2	6.062831	8.462103	3.191412	5.346522
Tacc3	14.48207	34.330463	42.444637	25.431004
Taco1	3.410849	7.9247	8.845113	7.134799
Tacr1	0	0.142949	0.028086	0.034492
Tacr2	0	0	0	0
Tacr3	0.039496	0	0	0
Tacstd2	0.279795	0.071837	0.111659	0.328166
Tada1	9.431012	17.365999	22.3545	13.80442
Tada2a	12.234789	19.209034	16.13446	14.647698
Tada2b	5.615482	7.009899	4.503737	5.541496
Tada3	19.356884	20.331179	15.92356	18.28401
Taf1	5.685125	7.244321	6.960925	5.425001
Taf10	83.591423	101.834755	106.134644	127.798042
Taf11	20.21973	23.810682	25.028837	23.341663
Taf12	9.748957	18.738605	16.7551	22.018652
Taf13	8.288247	12.215812	18.082584	20.532454
Taf15	85.25415	71.233612	59.19833	61.831661
Taf1a	8.102793	6.991304	8.200106	7.308425
Taf1b	10.186034	11.726614	15.335093	11.617682
Taf1c	4.325934	7.46758	4.747796	6.792062
Taf1d	81.137467	40.412847	53.151263	45.570766
Taf2	5.299563	9.526826	8.021537	8.104769
Taf3	6.886502	5.498939	3.656295	5.067063

Taf4a	5.627048	7.796876	5.663473	6.62331
Taf4b	1.020833	2.298468	1.66645	0.827569
Taf5	2.255947	3.972699	3.464158	2.630296
Taf5l	31.895515	22.536207	17.947308	18.896412
Taf6	15.57692	26.731401	23.490931	20.23859
Taf6l	1.817092	8.591661	6.302857	8.692047
Taf7	3.776843	1.661774	1.774614	2.231029
Taf7l	0	0	0	0
Taf8	10.861144	11.696653	11.419472	12.119963
Taf9	62.835701	52.55002	74.262146	44.899752
Taf9b	0.494567	0.426424	0.495405	0.788592
Tagap	6.409179	7.662862	7.421598	6.177215
Tagap1	13.344994	14.156505	14.512696	12.818461
Tagln	191.458527	100.330315	30.675148	249.088821
Tagln2	208.678787	264.752991	199.59288	258.525116
Tagln3	0	0	0.211702	0.149725
Tal1	0.058574	0.678192	0.389589	0.244249
Tal2	0	0.214617	0	0
Taldo1	93.224251	86.385201	97.599136	114.742287
Tamm41	10.605274	19.466066	17.460436	13.266333
Tanc1	6.109224	7.763522	5.490204	6.14145
Tanc2	2.756119	1.999498	1.363308	2.856691
Tango2	8.417731	10.095479	11.2339	15.807156
Tango6	4.426262	5.947925	4.237768	3.214174
Tank	5.46294	13.920861	10.737548	8.959502
Taok1	6.728541	6.273524	5.108007	5.568944
Taok2	11.467689	16.132199	13.099042	15.19946
Taok3	6.52471	8.548836	7.979368	9.68629
Tap1	4.203538	6.076103	6.116088	7.335365
Tap2	6.542745	6.792927	6.311918	11.39576
Tapbp	33.947579	55.59441	55.252319	54.899022
Tapbpl	4.399025	8.007508	9.686785	7.109587
Tapt1	8.482956	9.885015	11.513336	11.681986
Tarbp2	14.760857	15.830482	14.487804	15.06318
Tardbp	13.218917	16.247774	14.704895	19.214311
Tarm1	2.19953	2.806124	2.024143	6.145813
Tars	87.110329	107.847534	60.881779	74.367081
Tars2	34.381136	38.172007	38.810107	27.936303
Tarsl2	2.189651	3.125419	3.495953	2.263096
Tas1r1	0	0.073533	0.047431	0.124493
Tas1r2	0	0	0	0
Tas1r3	0.05644	0.138944	0.093406	0.129822
Tas2r102	0	0	0	0
Tas2r103	0	0	0	0
Tas2r104	0	0	0	0
Tas2r105	0	0	0	0
Tas2r106	0	0	0	0
Tas2r107	0	0	0	0
Tas2r108	0	0	0	0

Tas2r109	0	0	0	0
Tas2r110	0	0	0	0
Tas2r113	0	0	0	0
Tas2r114	0	0	0	0
Tas2r115	0	0	0	0
Tas2r116	0	0	0	0
Tas2r117	0	0	0	0
Tas2r118	0	0	0	0
Tas2r119	0	0	0	0
Tas2r120	0	0	0	0
Tas2r121	0	0	0	0
Tas2r122	0	0	0	0
Tas2r123	0	0	0	0
Tas2r124	0	0	0	0
Tas2r125	0	0	0	0
Tas2r126	0	0	0	0
Tas2r129	0	0	0	0
Tas2r130	0	0	0	0
Tas2r131	0	0	0	0
Tas2r134	0	0	0	0
Tas2r135	0	0	0	0
Tas2r136	0	0	0	0
Tas2r137	0	0.127032	0	0
Tas2r138	0	0	0	0
Tas2r139	0	0	0	0
Tas2r140	0	0	0	0
Tas2r143	0.056184	0	0	0
Tas2r144	0	0	0	0
Tasp1	7.714328	8.03796	9.251749	7.628876
Tat	0.123972	0.741597	0.211027	1.60767
Tatdn1	7.025498	6.174415	9.244791	6.434574
Tatdn2	36.63184	24.296455	21.88789	22.873432
Tatdn3	4.906722	4.131058	6.588229	6.550111
Tax1bp1	29.205984	34.858116	29.424036	29.794861
Tax1bp3	24.213354	29.357628	26.902418	24.838604
Taz	16.631153	23.037989	27.459688	18.709761
Tbata	0	0	0	0
Tbc1d1	7.326004	11.919737	10.387601	11.095352
Tbc1d10a	16.839615	15.13479	13.702936	16.96637
Tbc1d10b	19.902298	18.457827	13.662538	15.997083
Tbc1d10c	0.309889	0.770907	0.415434	0.78623
Tbc1d12	2.775649	3.10964	2.122074	3.065764
Tbc1d13	12.895129	20.924212	13.410237	18.044165
Tbc1d14	8.687234	14.085575	12.777846	11.05882
Tbc1d15	14.370756	11.65836	11.509997	9.794816
Tbc1d16	4.977011	7.28305	5.148921	5.364881
Tbc1d17	18.857767	11.889505	10.921803	10.495229
Tbc1d19	1.647505	3.055011	4.567813	3.578319
Tbc1d2	1.357991	1.294383	1.675552	2.801945

Tbc1d20	22.183348	21.945221	15.261572	17.430983
Tbc1d21	0	0	0	0
Tbc1d22a	8.474393	12.008138	9.302723	10.383924
Tbc1d22b	7.644694	7.765288	6.086175	6.527366
Tbc1d22bos	0	0	0	0
Tbc1d23	10.079727	9.434308	9.138923	8.732952
Tbc1d24	3.006636	1.924639	3.556158	3.089721
Tbc1d25	3.017914	6.004126	4.76649	5.089458
Tbc1d2b	5.538449	7.338215	5.291462	8.078098
Tbc1d30	0.052208	0.119203	0.082545	0.215934
Tbc1d31	2.908033	10.196695	9.539488	6.23959
Tbc1d32	0.403425	0.992722	1.341645	0.621887
Tbc1d4	2.437534	4.310178	4.654085	3.22659
Tbc1d5	4.073921	5.302232	3.817804	3.381288
Tbc1d7	4.08812	9.319711	10.115923	8.882992
Tbc1d8	1.203216	1.147171	1.793455	2.807966
Tbc1d8b	1.501332	2.842951	2.879872	2.884227
Tbc1d9	2.304012	2.750168	3.103311	3.983827
Tbc1d9b	17.206403	20.742995	17.393624	19.27682
Tbca	288.345551	228.134674	360.255859	315.301758
Tbcb	59.904083	43.822361	47.124805	50.745892
Tbcc	13.33096	9.426426	9.885058	9.716087
Tbccd1	2.47838	4.048899	5.028182	4.792816
Tbcd	6.653583	12.466337	11.637022	7.669236
Tbce	6.595277	9.769858	10.155305	7.667283
Tbcel	3.958349	5.260591	3.93441	5.893533
Tbck	3.028394	3.311952	3.160318	3.419565
Tbk1	12.34766	14.918328	14.040144	11.946068
Tbkbp1	9.680497	7.077161	6.970142	9.151011
Tbl1x	26.447264	27.326097	21.0522	15.206072
Tbl1xr1	7.913303	7.821409	7.712997	6.311081
Tbl2	11.863593	8.431878	11.220533	8.153909
Tbl3	13.266203	22.230669	15.902139	16.318445
Tbp	9.339608	14.361454	14.888746	13.009222
Tbpl1	12.467545	16.816664	16.491106	16.152933
Tbpl2	0	0	0	0
Tbr1	0	0	0	0.029197
Tbrg1	114.036041	93.130836	88.881119	75.640015
Tbrg3	0	0.047858	0.112032	0.056179
Tbrg4	14.669591	24.898321	20.781577	17.831885
Tbx1	0	0.204913	0	0
Tbx10	0	0	0	0
Tbx15	5.164823	8.67386	7.557039	3.572097
Tbx18	0.052813	0.072423	0	0.074265
Tbx19	0	0	0	0
Tbx2	1.34426	0.427862	0.119994	1.341682
Tbx20	0.091676	0	0	0.955724
Tbx21	0	0	0	0
Tbx22	0	0	0	0

Tbx3	18.519251	18.478308	11.372841	11.45218
Tbx3os2	0	0	0	0
Tbx4	0	0	0	0
Tbx5	0	0	0	0
Tbx6	7.529297	0.349327	0.488111	1.453508
Tbxa2r	0	0.649893	0.202121	1.344319
Tbxas1	2.79521	18.734461	27.482151	43.550098
Tc2n	0	0	0	0
Tcaf1	6.078768	8.864118	5.672426	5.731661
Tcaf2	0	0.077938	0.069249	0.431405
Tcaf3	0	0	0	0
Tcaim	1.368406	2.151365	1.567924	2.334466
Tcam1	0.346409	0.842278	0.851215	0.693019
Tcap	0	27.981535	0	0.357566
Tcea1	24.610494	33.898017	43.703575	24.495859
Tcea2	5.538024	5.922228	7.367785	5.19046
Tcea3	0.755036	2.852632	0.298531	2.645694
Tceal1	0.800261	0.640772	0.970023	1.338279
Tceal3	0	0	0	0
Tceal5	0	0.533144	0	0
Tceal6	0	0	0	0
Tceal7	0	0.260428	0	0
Tceal8	22.479227	29.867067	27.783055	26.646228
Tceanc	1.00945	1.259201	2.133691	0.843471
Tceanc2	2.702051	2.844808	2.457332	2.551811
Tceb1	46.315601	57.107857	81.272896	74.641273
Tceb2	341.60202	356.006104	353.590668	442.545441
Tceb3	19.2425	20.912901	14.865611	17.660238
Tcerg1	24.702149	22.49004	17.197223	13.481027
Tcerg1l	0	0	0	0
Tcf12	17.880911	16.883807	17.565004	13.060843
Tcf15	0	0	0	0
Tcf19	2.191973	13.402687	12.498233	9.135466
Tcf20	7.973095	12.297961	8.416073	7.106115
Tcf21	0.160469	0	0	1.716859
Tcf23	0.0725	0	0.059076	0.113228
Tcf24	0.0926	0	0	0.337939
Tcf25	166.65756	114.974328	98.654242	102.556184
Tcf3	43.072397	53.033621	37.832065	34.322736
Tcf4	25.562346	24.883198	9.923347	12.72148
Tcf7	6.935925	4.60166	3.380567	5.738573
Tcf7l1	8.571799	1.457675	0.779414	3.070669
Tcf7l2	7.880301	11.639292	10.111829	10.129931
Tcfl5	0	0	0	0.0526
Tchh	0.294449	0.043427	0.025369	0.212517
Tchhl1	0	0	0	0
Tchp	6.236592	5.347307	5.747574	4.229913
Tcirg1	59.658275	61.938359	72.10042	57.655264
Tcl1	0	0	0	0

Tcl1b1	0	0	0	0
Tcl1b2	0	0	0	0
Tcl1b3	0	0	0	0
Tcl1b4	0	0	0	0
Tcl1b5	0	0	0	0
Tcn2	17.487957	25.190491	23.205024	24.99439
Tcof1	19.189665	38.396887	26.282958	23.330222
Tcp1	154.83441	183.208603	193.938828	142.838607
Tcp10a	0	0	0	0
Tcp10b	0	0	0	0
Tcp10c	0	0	0	0
Tcp11	0	0	0	0
Tcp11l1	0.575073	0.396944	1.328794	0.457692
Tcp11l2	17.254765	6.871582	6.969359	12.50178
Tcp11x2	0	0	0	0
Tcstv1	0	0	0	0.082825
Tcstv3	0	0	0	0
Tcta	5.12153	7.637774	8.183795	9.794864
Tcte1	0	0	0	0
Tcte2	0.483341	0.511878	0.279783	0.659033
Tcte3	0.816773	0	0	0.686443
Tctex1d1	0	0	0	0
Tctex1d2	19.391312	18.776262	33.157719	23.764336
Tctex1d4	0	0.345652	0.501444	0.323391
Tctn1	4.896062	5.728823	6.215342	5.199622
Tctn2	5.096966	6.274758	7.522186	4.375866
Tctn3	3.401083	3.445998	4.711554	3.280833
Tdg	4.398677	3.298287	3.234223	5.215851
Tdgf1	0	0	0	0
Tdh	0	0	0	0
Tdo2	0.149803	0	0	2.410355
Tdp1	10.419798	18.76503	16.505636	12.935045
Tdp2	13.149446	10.166319	12.670034	9.105685
Tdpoz1	0	0	0	0
Tdpoz2	0	0	0	0
Tdpoz3	0	0	0	0
Tdpoz4	0	0	0	0
Tdpoz5	0.023898	0	0.048134	0.179672
Tdrd1	0	0	0	0
Tdrd12	0	0	0	0
Tdrd3	7.23937	6.997609	7.083407	5.992201
Tdrd5	0	0	0	0
Tdrd6	0	0.03004	0.020919	0.047014
Tdrd7	7.191701	7.648791	7.088244	6.775023
Tdrd9	0	0	0	0
Tdrkh	2.527791	4.936686	4.379858	2.898145
Tdrp	0.241433	0	0.059978	0.352549
Tead1	5.573027	14.588359	11.99237	10.252732
Tead2	67.406946	72.165894	53.752357	46.261932

Tead3	14.08853	8.688554	5.443728	9.277532
Tead4	7.089017	6.290573	4.385008	4.233797
Tec	5.857462	12.370883	7.844303	9.083299
Tecpr1	8.165379	6.787795	5.34605	7.502698
Tecpr2	1.84598	4.416962	3.784509	3.58848
Tecr	144.335829	190.587331	195.991838	132.417067
Tecrl	0	0	0	0
Tecta	0	0	0	0.02373
Tectb	0	0	0	0
Teddm1a	0	0	0	0.122513
Teddm1b	0.038523	0.013619	0.072601	0.111477
Teddm2	0.116645	0	0.059543	0
Teddm3	0	0	0	0
Tef	14.732989	14.748704	7.425509	12.241524
Tefm	8.295737	14.373268	21.661808	17.643003
Tek	0.094288	0.889844	0.36612	0.344326
Tekt1	0	0	0	0
Tekt2	0	0	0.130803	0.97703
Tekt3	0	0	0	0
Tekt4	0	0	0	0
Tekt5	0	0	0	0
Telo2	7.011023	9.676642	7.76522	6.188669
Ten1	14.934208	23.195026	26.954876	23.91144
Tenm1	0	0	0	0
Tenm2	0	0	0	0
Tenm3	0.467164	1.560593	0.803739	0.974403
Tenm4	2.734007	8.850096	7.265095	1.982192
Tep1	4.576225	8.328844	7.570804	5.91853
Tepp	0	0	0	0
Terc	0.124822	0.534368	0.620174	0.023393
Terf1	8.366334	13.298227	16.423614	11.469554
Terf2	14.797047	10.412375	13.327027	13.996834
Terf2ip	5.834568	6.149323	5.874995	6.424439
Tert	1.301944	2.386017	1.536286	0.862644
Tes	101.556839	94.078796	96.237312	98.69297
Tesc	0	0	0	0.244071
Tescl	0	0	0	0.063765
Tesk1	7.694678	8.740796	6.186108	9.176435
Tesk2	0.440627	1.669912	1.029239	2.042834
Tespa1	0	0	0	0
Tet1	0	0.051221	0.066147	0.057705
Tet2	11.635723	5.02631	8.262273	6.007424
Tet3	6.841864	9.174168	5.964463	8.997974
Tex10	11.643579	10.233767	9.644838	6.499118
Tex101	0	0	0	0
Tex11	0	0	0	0.107157
Tex12	0	0	0	0
Tex13	0	0	0	0
Tex13a	0	0	0	0

Tex14	0	0	0	0.035605
Tex15	0	0	0	0
Tex16	0	0	0	0
Tex19.1	0	0	0	0
Tex19.2	0	0	0	0
Tex2	8.206354	7.759996	6.245135	7.591593
Tex21	0	0	0	0
Tex22	0	0	0	0.081269
Tex24	0	0	0	0.065697
Tex26	0.588852	0	0	0
Tex261	24.750051	31.276129	33.300205	28.402103
Tex264	44.619866	34.108159	31.85914	36.781024
Tex28	0	0	0	0
Tex29	0	0	0	0
Tex30	7.908821	12.75211	21.531223	18.06584
Tex33	0	0	0	0
Tex35	0	0	0	0
Tex36	0	0	0	0
Tex37	0	0	0	0
Tex38	0.120352	0	0	0
Tex40	0	0	0	0
Tex43	0	0	0	0
Tex9	0.619169	2.546961	2.36831	1.444526
Tfam	6.19423	9.03401	8.742874	10.472687
Tfap2a	2.623634	3.174606	2.473893	1.974513
Tfap2b	0.040177	0	0	0
Tfap2c	0	0	0	0
Tfap2d	0	0	0	0
Tfap2e	0	0	0	0.081156
Tfap4	37.190571	23.8015	21.960348	16.946924
Tfb1m	2.197621	5.060076	8.322838	5.328976
Tfb2m	4.816283	9.978628	8.528275	8.842595
Tfcp2	3.683124	5.713863	6.431571	6.920618
Tfcp2l1	0.021382	0.027462	0	0.112205
Tfdp1	27.113876	57.087966	46.284649	42.314345
Tfdp2	3.490551	1.908766	1.358287	1.383637
Tfe3	21.335239	22.808722	17.314827	21.935178
Tfeb	4.243412	5.636073	4.037046	7.696733
Tfec	2.851616	7.575972	13.063577	28.528988
Tff1	0	0	0	0
Tff2	0	0	0	0
Tff3	0	0	0	0
Tfg	23.569033	38.609497	27.863161	26.538029
Tfip11	13.457435	14.183219	11.449032	13.053767
Tfpi	8.199899	7.545035	8.438688	9.737603
Tfpi2	1.30611	3.790457	0.881215	4.978074
Tfpt	17.658289	16.473073	17.022081	20.299434
Tfr2	0.338719	0.317666	0.027379	2.755965
Tfrc	9.613105	11.974743	23.760811	7.414047

Tg	0.109102	0	0	0.027156
Tgds	9.233048	13.212315	17.412401	16.227184
Tgfa	0.710874	0.400778	0.452247	0.618138
Tgfb1	64.66008	87.640167	59.695168	100.289085
Tgfb1i1	16.558277	16.935145	9.141185	14.152495
Tgfb2	4.602434	6.412423	6.381323	5.204612
Tgfb3	25.208366	49.104786	36.924141	40.524807
Tgfbi	29.806774	174.354126	157.165146	148.706192
Tgfbr1	2.801003	6.261133	4.671223	6.249338
Tgfbr2	15.153018	22.354741	15.701673	8.827708
Tgfbr3	14.56247	7.583867	10.928055	5.385156
Tgfbr3l	1.846706	1.689424	1.525498	2.291575
Tgfbrap1	4.030718	6.602796	3.821073	5.008265
Tgif1	70.531095	83.932001	62.809029	53.239359
Tgif2	8.740726	8.755413	8.338387	7.806102
Tgif2lx1	0	0	0	0
Tgif2lx2	0	0	0	0
Tgm1	2.792214	1.199566	1.090042	3.018545
Tgm2	94.533669	57.185215	45.550545	83.98143
Tgm3	0	0	0	0
Tgm4	2.359335	2.380147	2.157103	2.396496
Tgm5	0	0	0	0
Tgm6	0	0	0	0
Tgm7	0	0	0	0
Tgoln1	14.403589	8.88622	14.082	15.003776
Tgoln2	2.179113	14.938544	1.809082	4.589455
Tgs1	3.994874	6.789787	5.557982	5.564857
Tgtp1	0	0.771341	0	0.737543
Tgtp2	0	0.769223	0.163908	0.818021
Th	0	0	0	0
Tha1	1.666216	2.042154	2.639106	2.955908
Thada	1.20212	2.771112	2.260282	1.400098
Thap1	2.768214	5.68737	4.335829	5.546759
Thap11	19.357594	19.478069	14.733464	18.609457
Thap2	2.989149	5.757719	4.85791	4.58147
Thap3	24.532437	17.146219	20.20064	15.858227
Thap4	42.008785	21.989647	19.054913	17.306221
Thap6	1.28974	2.032147	1.988345	1.725344
Thap7	10.922416	14.864181	11.894641	19.39431
Thbd	14.627975	5.036985	3.179837	5.785389
Thbs1	138.962784	155.988892	110.30529	108.243652
Thbs2	12.344864	25.110992	2.02104	12.772275
Thbs3	19.989574	22.769112	20.584721	17.594007
Thbs4	0.52348	54.212418	0	0.731131
Theg	0	0	0	0
Thegl	0	0	0	0
Them4	3.131234	5.028756	5.771635	5.152099
Them5	0	0	0	0
Them6	4.158377	7.972511	10.563166	4.459349

Them7	0	0	0	0
Themis	0	0	0	0
Themis2	1.768581	2.531708	2.947831	5.79946
Themis3	0	0	0	0
Thg1l	1.497917	4.399207	4.409183	2.905436
Thnsl1	0.653318	2.062206	2.33323	1.363425
Thnsl2	0.996151	0.670942	0	0.833642
Thoc1	11.477888	14.574673	15.107136	13.042821
Thoc2	7.850155	6.523088	6.01697	6.228565
Thoc3	15.960735	18.032063	16.453459	17.917898
Thoc5	24.347246	30.649488	20.745749	17.58769
Thoc6	21.428717	25.987919	21.250643	19.899672
Thoc7	51.390307	61.126492	106.105768	94.156263
Thop1	15.463716	25.747475	20.140572	15.33571
Thpo	0.646502	0.192944	0	0.736112
Thra	30.483841	21.418179	18.515745	19.9842
Thrap3	31.919224	33.809475	24.326271	22.687597
Thrb	0.415246	0	0.040475	0.19071
Thrsp	0	0.357109	0.233167	1.308491
Thsd1	1.079975	0.744244	0.589477	0.790507
Thsd4	0.855488	1.189962	0.513691	1.515619
Thsd7a	0.82421	0.065572	0	0.198719
Thsd7b	0	0	0	0
Thtpa	3.601882	6.888466	6.924212	4.894076
Thumpd1	20.515823	23.929976	19.043589	18.171936
Thumpd2	0.48059	3.364129	2.993421	1.601195
Thumpd3	14.342347	19.521101	21.503647	18.456396
Thy1	3.60941	15.406101	7.973675	10.891847
Thyn1	30.284418	41.347862	71.944374	40.811779
Tia1	4.016004	20.931092	13.408399	16.271758
Tial1	19.181284	23.170097	23.394335	19.007536
Tiam1	0.250603	0.85914	0.663943	0.580252
Tiam2	11.753199	16.934886	11.092123	12.562357
Ticam1	4.129632	4.827589	3.77393	5.615092
Ticam2	1.333186	2.535503	3.568825	3.924089
Ticrr	0.295838	2.208443	2.312896	1.03966
Tie1	0.658167	2.76691	2.533138	1.586128
Tifa	2.765635	4.600128	6.658667	8.150146
Tifab	1.04337	5.196974	3.783517	11.934222
Tigar	2.21479	4.999468	4.21038	4.583298
Tigd2	7.137427	3.97244	4.83739	4.918594
Tigd3	1.10917	0.457472	0.791905	0.958017
Tigd4	0	0.110396	0	0.050341
Tigd5	0.685081	0.467444	0.335869	0.784066
Tigit	0	0	0.405661	0
Timd2	0	0	0	0.290049
Timd4	0	0.136552	0.245397	0.531241
Timeless	1.709973	6.314675	5.521389	3.261573
Timm10	50.259544	55.600014	51.2253	73.674919

Timm10b	29.743773	42.288094	47.260296	57.31908
Timm13	41.449677	50.926586	65.127296	87.139839
Timm17a	84.276695	91.554314	104.207573	99.935776
Timm17b	16.229774	22.490114	28.156359	27.906776
Timm21	9.693024	20.253979	29.311178	18.314617
Timm22	5.30487	9.820025	13.493471	10.588621
Timm23	34.913807	43.248699	60.894104	55.627995
Timm44	44.49086	41.358009	41.024902	38.352886
Timm50	29.456226	36.162258	35.641781	32.375599
Timm8a1	0	0	16.961187	16.70977
Timm8a2	0	0	0	0
Timm8b	156.43718	180.417725	261.692505	340.494812
Timm9	25.686105	46.663842	54.162684	53.551211
Timmdc1	11.663885	21.260572	22.1766	25.817209
Timp1	265.900707	422.932396	244.169606	846.040191
Timp2	260.926239	192.039627	167.968536	242.190857
Timp3	110.371269	98.187515	50.454372	205.043411
Timp4	0	0	0	0
Tinag	0	0	0	0
Tinagl1	119.427738	105.316237	137.521724	120.945325
Tinf2	10.783947	13.05249	16.083584	14.462653
Tiparp	32.985134	23.62105	30.985558	17.57283
Tipin	12.088874	25.300323	29.600395	21.24114
Tiprl	15.394005	12.05873	12.542118	12.47414
Tirap	3.817205	5.485875	4.127921	4.919518
Tjap1	47.388051	33.746213	31.294295	23.10586
Tjp1	10.352289	10.506626	9.157712	5.52237
Tjp2	11.055879	17.330515	12.002132	8.959585
Tjp3	0.211049	0.111545	0.193753	0.846223
Tk1	4.866784	39.974961	61.361968	27.672458
Tk2	13.166862	11.213733	11.047991	14.42104
Tkfc	5.202561	7.12663	6.033868	7.328481
Tkt	82.940086	66.329407	73.362892	69.747551
Tktl1	0	0	0	0
Tktl2	0	0	0	0
Tlcd1	4.464744	5.760889	6.48468	5.591999
Tlcd2	2.05591	1.578832	0.833709	1.951834
Tldc1	4.845146	5.163361	5.248634	4.223923
Tldc2	0	0	0	0
Tle1	2.902653	5.546495	4.986119	5.443516
Tle2	2.785235	2.82333	1.527391	2.950316
Tle3	27.111523	20.258805	15.273546	19.574652
Tle4	1.211324	1.92945	1.689001	1.854567
Tle6	3.194093	1.896384	1.012695	2.401386
Tlk1	16.040422	17.274242	13.399421	12.545479
Tlk2	21.730466	17.122775	15.031266	14.768788
Tll1	0	0	0.159477	0
Tll2	0	0	0	0
Tln1	39.718365	43.711235	28.999416	31.010904

Tln2	0.604437	1.900659	0.974286	2.30056
Tlr1	0.253375	1.671394	1.927742	1.763779
Tlr11	0	0	0	0
Tlr12	0	0.05347	0.015514	0.06876
Tlr13	2.637898	4.487406	5.348947	4.065056
Tlr2	4.761367	27.513288	25.834795	30.590487
Tlr3	0.251645	0.64547	0.49587	1.131113
Tlr4	2.514043	8.522536	8.999244	10.603343
Tlr5	0.510774	0.410981	0.836141	0.305065
Tlr6	1.164921	2.170275	2.489292	1.997431
Tlr7	0.951621	1.612503	2.82551	1.376671
Tlr8	0.345216	1.234798	1.76625	1.926314
Tlr9	0.04283	0.768503	0.507503	0.434559
Tlx1	0	0	0	0
Tlx2	0	0	0	0
Tlx3	0	0	0	0
Tm2d1	9.999235	12.315605	14.036803	18.988768
Tm2d2	61.657623	64.143799	74.666634	85.708359
Tm2d3	15.31714	20.480384	23.053813	19.152266
Tm4sf1	72.690018	197.764023	198.739731	211.183594
Tm4sf19	0	0	0	0
Tm4sf20	0	0	0	0
Tm4sf4	1.689143	0.150487	0.103307	19.750229
Tm4sf5	0	0	0	0
Tm6sf1	3.235195	6.63186	11.253199	7.304969
Tm6sf2	0.167786	0.348194	0.510807	1.867898
Tm7sf2	1.591274	5.799084	8.704413	3.876356
Tm7sf3	9.151641	16.287951	20.811605	14.467834
Tm9sf1	15.339475	21.567165	22.583366	20.042627
Tm9sf2	18.453512	31.030951	29.857183	29.941275
Tm9sf3	25.075617	46.432804	48.742294	41.089828
Tm9sf4	16.816277	30.57518	22.857798	19.390888
Tma16	26.889517	18.905521	17.594297	15.785386
Tma7	115.030106	180.480057	260.639465	252.759079
Tmbim1	72.740967	78.281944	58.71484	73.545326
Tmbim4	26.637417	27.336483	30.677004	33.781017
Tmbim6	186.71401	190.446741	182.61177	214.693988
Tmbim7	0	0	0	0
Tmc1	0	0	0	0
Tmc2	0	0	0	0
Tmc3	0	0	0.124284	0.040346
Tmc4	2.435816	1.210455	1.668487	2.557666
Tmc5	0	0	0	0
Tmc6	13.209524	11.688738	13.627551	12.337054
Tmc7	0	0	0	0
Tmc8	0.418931	0.932739	1.142307	1.522237
Tmcc1	5.389526	5.04546	3.760712	5.558653
Tmcc2	8.814928	9.550009	6.419922	6.560546
Tmcc3	3.591732	9.877133	6.007597	5.081817

Tmco1	10.689851	15.127066	20.747311	18.743206
Tmco2	0	0	0	0
Tmco3	4.096835	6.496579	5.20694	5.526429
Tmco4	3.432364	2.624768	2.302892	3.106242
Tmco5	0	0	0	0
Tmco5b	0	0	0	0
Tmco6	3.041954	5.874548	5.063633	4.76371
Tmed1	24.340376	33.977116	42.009327	50.066628
Tmed10	59.172726	63.93586	71.065765	59.889122
Tmed11	0	0	0	0
Tmed2	127.276566	136.69133	160.978119	184.463226
Tmed3	90.731796	79.637131	82.154007	104.535263
Tmed4	49.100815	66.861717	65.74485	61.286831
Tmed5	10.516932	18.63167	19.047083	16.887083
Tmed6	0	0	0	0
Tmed7	19.089651	25.683607	24.240231	26.22744
Tmed8	0.501166	0.936007	1.059052	1.196926
Tmed9	94.876945	106.660561	104.428429	117.647247
Tmeff1	6.981958	14.091161	13.635668	10.16796
Tmeff2	0	0	0.088288	0
Tmem100	9.009272	9.474484	11.104161	5.946039
Tmem101	14.583056	14.868752	16.940935	17.132107
Tmem102	0	0	0	0
Tmem104	6.510458	6.6548	6.378658	6.745533
Tmem106a	7.108581	14.799867	11.955853	14.273459
Tmem106b	10.202306	9.850944	11.15252	8.602982
Tmem106c	18.722889	18.967186	18.702696	15.286789
Tmem107	10.344947	9.243881	9.488918	9.483481
Tmem108	0.339309	0	0	0.423639
Tmem109	30.339802	37.055962	38.405048	35.541126
Tmem11	74.415316	56.34412	55.03273	54.68948
Tmem110	6.499401	7.13367	6.776876	7.160642
Tmem114	0	0	0	0
Tmem115	15.601486	22.919228	17.781643	18.063013
Tmem116	0	0	0.216606	0
Tmem117	0.124732	1.484576	0.982829	0.351474
Tmem119	18.737108	26.172195	15.397508	32.0849
Tmem120a	75.614456	40.464294	54.742157	71.428101
Tmem120b	2.497601	5.483027	3.844039	4.536945
Tmem121	1.138094	0.344027	0.913846	0.91515
Tmem123	16.227987	36.149151	32.112305	25.477037
Tmem125	0	0	0	0.155863
Tmem126a	18.693871	42.104588	63.544655	50.940716
Tmem126b	4.020289	7.617826	11.737681	10.934857
Tmem127	8.936761	17.146601	13.139656	18.352644
Tmem128	17.112406	30.29847	46.588966	34.746101
Tmem129	4.667456	10.813171	10.281388	14.529799
Tmem130	0	0	0	0
Tmem131	13.071374	19.748335	16.468729	11.349826

Tmem132a	14.680086	35.668396	26.267586	21.410082
Tmem132b	0	0.031895	0	0.021865
Tmem132c	0	0	0	0.034056
Tmem132cos	0	0	0	0
Tmem132d	0	0	0	0
Tmem132e	0	0.352372	0	0.065734
Tmem134	46.443434	33.103468	47.620944	46.735997
Tmem135	3.407262	5.263467	5.670521	4.773871
Tmem136	0.353392	0.121225	0.042207	0.541516
Tmem138	5.345889	10.905823	13.456755	9.741548
Tmem139	0	0	0.147683	0.151139
Tmem140	4.984232	3.445937	3.643535	5.29234
Tmem141	7.452658	13.329372	18.712413	31.853174
Tmem143	4.965855	8.024743	7.900788	7.225667
Tmem144	0.408772	2.69389	3.736279	1.938309
Tmem145	0	0	0	0
Tmem147	57.440987	92.546951	130.656464	123.863647
Tmem14a	0.896206	0.889822	1.754059	1.803975
Tmem14c	68.834167	109.149597	147.102356	146.309387
Tmem150a	34.038578	24.262165	15.395404	27.326229
Tmem150b	0	0.182184	0.659756	0.169883
Tmem150c	0	0.068811	0.063888	0.093883
Tmem150cos	0	0	0	0
Tmem151a	1.5447	1.124552	0.368138	2.075141
Tmem151b	0	0	0	0.059826
Tmem154	0.907653	2.34364	3.9197	7.535789
Tmem158	3.092776	4.731722	3.341131	8.057961
Tmem159	12.263869	10.057423	12.33919	13.257405
Tmem160	23.420378	23.629639	27.755068	43.059834
Tmem161a	15.821055	20.997261	17.09674	17.141314
Tmem161b	1.963597	2.30513	3.965752	2.583223
Tmem163	0	0	0	0
Tmem164	11.026089	13.402121	10.875402	14.282905
Tmem165	14.303803	38.768055	45.13903	41.695671
Tmem167	3.418714	4.434359	4.983375	5.644058
Tmem167b	25.874067	17.921631	13.75149	15.345809
Tmem168	4.579875	6.529074	7.171246	6.538254
Tmem169	0	0.029743	0	0.144335
Tmem17	0.904273	1.702701	3.875607	2.128537
Tmem170	1.055727	1.895139	2.661528	2.269755
Tmem170b	2.828712	2.805864	3.16654	2.858397
Tmem171	1.33199	4.786127	3.63761	1.965677
Tmem173	2.960048	12.39745	9.202243	14.399716
Tmem174	0	0	0	0
Tmem175	4.318843	8.187393	8.425074	6.767307
Tmem176a	48.236458	23.728767	36.000853	61.771463
Tmem176b	63.765096	49.282452	65.628583	82.738035
Tmem177	1.273075	4.410776	4.133003	2.89911
Tmem178	0.25778	0	0	0.616026

Tmem178b	0	0.139051	0	0.14417
Tmem179	0	0	0	0.04892
Tmem179b	18.472691	20.142164	26.254886	23.230672
Tmem18	6.433443	11.598739	16.055475	13.023836
Tmem180	3.195811	2.936036	4.892794	3.102826
Tmem181a	5.204996	8.358749	7.59432	8.50941
Tmem181b-ps	1.394302	2.188782	2.372645	2.893608
Tmem181c-ps	1.198434	2.148864	1.752308	2.299507
Tmem182	0	0.495415	0	0
Tmem183a	26.423966	21.036576	16.924783	22.529351
Tmem184a	0.143551	0	0	0
Tmem184b	35.652538	38.559288	32.903816	36.207834
Tmem184c	5.256217	11.605014	12.397973	8.080903
Tmem185b	2.452845	3.808898	3.106469	4.794966
Tmem186	6.807644	11.200342	11.110834	7.904743
Tmem189	84.412796	44.593731	44.866058	58.307888
Tmem19	13.350151	14.042541	14.168466	12.222595
Tmem190	0	0	0	0
Tmem191c	4.088534	1.891003	2.553225	1.835296
Tmem192	28.731893	20.355577	26.078122	26.934202
Tmem194	2.581147	3.800517	6.341188	5.380652
Tmem194b	0.959547	2.482023	3.745922	2.007571
Tmem196	0	0	0	0
Tmem198	0.47368	0.55766	0.247899	1.124916
Tmem198b	12.033072	20.011606	16.547028	13.35084
Tmem199	11.390204	22.849009	25.299711	26.621264
Tmem2	4.765731	8.786213	6.903882	11.510884
Tmem200a	0.553144	1.17364	1.01555	2.564532
Tmem200b	0.457201	0.122641	0.249684	0.770521
Tmem200c	0	0	0	0
Tmem201	11.955642	16.507359	8.988084	10.192502
Tmem202	0.861357	0	0.231022	0.685798
Tmem203	18.839262	9.128228	10.921556	15.270768
Tmem204	2.160142	2.846753	1.33443	1.557529
Tmem205	15.08052	10.732881	19.384517	24.095735
Tmem206	5.513825	9.0792	8.558598	5.665679
Tmem207	0	0	0	0
Tmem208	28.688139	64.469887	72.483971	78.906952
Tmem209	7.904787	14.89501	15.241088	10.393784
Tmem210	0	0	0	0
Tmem211	0	0	0	0
Tmem212	0	0.33747	0	0.647624
Tmem213	0	0	0	0
Tmem214	22.92099	26.009487	21.454121	21.380341
Tmem215	0.138181	0	0	0
Tmem216	5.970051	6.622646	9.575842	7.685687
Tmem217	0	0	0	0.378956
Tmem218	11.633783	12.639895	20.11582	14.343186
Tmem219	32.766651	27.570337	35.973777	39.517203

Tmem220	1.65913	1.273349	1.581796	1.839553
Tmem221	0.866366	0.358398	0.993585	0.922787
Tmem222	31.570892	25.390699	28.43624	27.791905
Tmem223	27.387295	43.10836	51.383972	60.712173
Tmem225	0	0	0	0
Tmem229a	0.059644	0	0	0.058218
Tmem229b	0.770387	2.143359	1.977844	3.643053
Tmem230	8.650394	11.069718	10.491321	12.635201
Tmem231	2.981146	3.348648	3.578205	1.791763
Tmem232	0	0.047065	0	0
Tmem233	0	0	0	0
Tmem234	39.518749	48.582569	52.075863	48.565697
Tmem235	0	0	0.13528	0
Tmem236	0	0	0	0.111072
Tmem237	12.373967	16.781529	14.747126	11.037253
Tmem238	5.629027	10.115093	12.571424	9.08075
Tmem239	0.460268	0	0	0.095017
Tmem240	0.79411	0	0.39036	0.084243
Tmem241	1.275166	2.630752	3.540124	1.825231
Tmem242	88.332649	111.93866	173.46376	143.922729
Tmem243	4.74632	8.665895	12.739693	14.281825
Tmem245	1.75803	2.747689	2.746251	2.222693
Tmem246	0	0.113788	0.145266	0.194581
Tmem247	0	0	0	0
Tmem248	19.810957	16.634083	11.951532	15.24946
Tmem25	0.168127	0.288386	0.145871	0.54204
Tmem251	7.934152	16.499233	15.39287	16.17634
Tmem252	0.100101	1.134882	2.668366	0.282594
Tmem253	0	0.264372	0.362542	0.4885
Tmem254a	0.716733	0.190362	1.215669	1.835898
Tmem254b	1.702908	0.000273	0.000144	0.000681
Tmem254c	5.920017	19.030491	23.105148	16.127286
Tmem255a	0.202011	0.333725	0.142564	0.050301
Tmem255b	0	0.206767	0	0
Tmem256	207.413147	173.662125	309.574524	442.887085
Tmem258	152.806005	169.167149	242.387043	221.641388
Tmem259	79.150734	59.558632	56.05785	57.261917
Tmem26	0	0	0	0.045956
Tmem260	1.138854	3.45285	3.17873	2.988411
Tmem261	22.96422	39.18103	55.685539	44.452713
Tmem263	6.314071	6.402443	6.099632	6.610096
Tmem265	7.278229	5.147056	6.145885	5.472519
Tmem27	0	0	0	0.275345
Tmem28	0	0	0	0
Tmem29	13.552321	16.374475	23.514994	21.235639
Tmem30a	12.933008	20.951639	22.856997	24.648319
Tmem30b	0	0.244765	0	0.582909
Tmem30c	0.266775	0	0	0
Tmem33	5.781092	9.024414	9.991129	9.517803

Tmem35	0	0	0.154041	0
Tmem37	15.925552	36.14362	39.730453	39.15517
Tmem38a	1.771594	7.985092	1.846412	4.185987
Tmem38b	10.508512	6.157838	5.125096	8.92175
Tmem39a	17.170261	17.257046	16.209467	16.301879
Tmem39b	7.107328	10.019762	7.099744	7.543066
Tmem40	0	0	0	0.164896
Tmem41a	6.791974	11.388031	10.023253	12.081019
Tmem41b	5.778536	4.994749	6.568752	5.773166
Tmem42	3.06768	1.825454	3.336864	4.076351
Tmem43	28.86499	36.14399	30.950127	29.409428
Tmem44	1.458543	3.136112	2.42095	1.250042
Tmem45a	7.647042	1.769912	0.63417	6.771577
Tmem45a2	0	0	0	0
Tmem45b	0	0	0	0
Tmem47	0.460822	0.424219	0.258634	1.021517
Tmem5	12.741201	19.321016	23.22823	20.228951
Tmem50a	179.27478	132.085327	154.880234	183.514435
Tmem50b	5.878407	8.092663	4.034491	10.276088
Tmem51	2.95668	3.483057	4.121529	9.043277
Tmem51os1	0.316311	0	0.252091	0.156514
Tmem52	0	0.433639	0	0
Tmem52b	0	0	0	0
Tmem53	2.225272	1.571495	2.545592	4.601207
Tmem54	0	0	0	0
Tmem55a	8.733127	11.224406	12.236161	11.421295
Tmem55b	14.897573	15.716794	17.570129	25.067091
Tmem56	0.087608	0.020457	0	0.556241
Tmem57	19.183233	16.809427	11.480233	14.351949
Tmem59	110.887314	141.424973	145.098801	145.772415
Tmem59l	2.085862	0.17074	0	1.033721
Tmem60	30.545534	24.398724	35.797596	35.552677
Tmem62	1.491121	1.204666	1.724995	1.954753
Tmem63a	34.381634	27.971136	29.658302	22.848648
Tmem63b	20.927568	32.145935	26.968557	25.056946
Tmem63c	0	0	0	0
Tmem64	2.39503	3.732092	2.527768	4.077209
Tmem65	14.706331	12.977889	11.325438	11.834635
Tmem67	0.627769	0.608354	0.985197	1.196571
Tmem68	3.95216	7.210129	5.932711	9.181315
Tmem69	1.98397	5.923008	5.429546	4.918301
Tmem70	15.058075	26.611912	37.868766	17.7644
Tmem71	0.70813	0.330629	1.469022	1.497984
Tmem72	0	0	0	0
Tmem74	0	0.642834	0.334523	0.157201
Tmem74b	0.665787	0	0.205889	0.318193
Tmem79	0.585397	1.802003	0.973247	0.79355
Tmem8	0.958702	2.771412	1.992234	2.429003
Tmem80	6.602539	3.088205	2.909602	9.300439

Tmem81	6.391132	4.674324	4.670303	4.627447
Tmem82	0.878101	0.377327	0.366266	1.309018
Tmem86a	7.14794	9.876208	9.777246	22.422674
Tmem86b	0.535823	2.143176	1.505363	3.497166
Tmem87a	13.437099	20.144012	19.386657	17.86825
Tmem87b	14.752586	8.586372	9.422272	11.749311
Tmem88	1.411969	1.438679	2.175966	1.129607
Tmem88b	0.237195	0.488436	0.501896	0.249364
Tmem89	0	0	0	0
Tmem8b	2.300127	0.620464	0.996389	0.725764
Tmem8c	0	0.28037	0	0
Tmem9	54.171539	61.471711	70.064472	60.181374
Tmem91	0	1.158408	0.916826	0.810117
Tmem92	0	0	0	0
Tmem95	1.372212	1.917111	0.262746	1.048948
Tmem97	24.44722	34.292328	38.686909	27.400686
Tmem98	2.591189	6.040954	3.494414	6.028504
Tmem9b	9.281875	13.020233	12.434851	16.867121
Tmevpg1	0	0	0	0
Tmf1	8.228336	9.345241	7.616785	8.114307
Tmie	0.504286	0	0	0.142905
Tmigd1	0	0	0	0
Tmigd3	0	0.088671	0.095362	0.661503
Tmlhe	2.278894	5.714672	8.19547	4.142947
Tmod1	2.011616	1.384174	0.600897	0.161467
Tmod2	0.137971	0.236322	0.132749	0.058299
Tmod3	31.477806	46.264259	35.030094	38.511009
Tmod4	1.789967	6.621766	1.878831	2.464294
Tmpo	16.666994	31.703954	51.999453	27.143883
Tmppe	3.897621	5.48609	4.613046	7.442225
Tmprss11a	0	0	0	0
Tmprss11b	0.363117	0.763648	0.697116	1.616567
Tmprss11c	0	0	0	0
Tmprss11d	0	0	0	0
Tmprss11e	0.058162	0.221772	0.188949	0.227671
Tmprss11f	0	0	0	0
Tmprss11g	0	0	0	0
Tmprss12	0	0	0	0
Tmprss13	0	0	0	0
Tmprss15	0	0	0	0
Tmprss2	0.172444	0	0	0.237964
Tmprss3	0	0	0	0
Tmprss4	0	0	0	0
Tmprss5	0	0	0	0
Tmprss6	0.108464	0.144503	0.057241	2.407772
Tmprss7	0	0	0	0
Tmprss9	0	0	0.026735	0
Tmsb10	2325.309288	2080.300628	2519.888893	2464.612145
Tmsb15a	0	0	0	0

Tmsb15b1	2.167189	1.835537	7.929339	4.674786
Tmsb15b2	0	0	0	0
Tmsb15l	3.578094	3.340981	7.792429	3.954612
Tmsb4x	1279.964478	3210.39917	4438.150879	5691.313965
Tmtc1	0.283257	0.132177	0.046729	0.18402
Tmtc2	0.313121	0.044882	0.130224	0.071224
Tmtc3	0.822097	3.359582	2.83646	2.174573
Tmtc4	2.630611	6.474377	5.343585	4.826328
Tmub1	8.004251	7.988189	8.324355	7.344531
Tmub2	15.260772	21.41022	22.186544	24.277051
Tmx1	16.700899	33.574604	38.223255	33.880787
Tmx2	11.543429	21.027771	20.618692	21.694502
Tmx3	6.423953	15.753073	16.590359	10.916994
Tmx4	4.924674	6.768826	6.57693	4.714136
Tnc	5.342405	60.768101	5.235551	17.621586
Tnf	0.351745	0.640325	0.12215	0.244861
Tnfaip1	20.053095	29.860069	24.044982	22.735457
Tnfaip2	53.440781	60.848309	38.727516	67.495636
Tnfaip3	3.524612	3.312356	6.601062	5.056681
Tnfaip6	2.061817	6.053018	1.815273	9.240525
Tnfaip8	6.061053	14.970124	15.874433	14.8621
Tnfaip8l1	0.46069	0.941268	1.284521	1.671517
Tnfaip8l2	6.366372	13.309487	20.61895	30.368759
Tnfaip8l3	0	0	0	0
Tnfrsf10b	8.775356	15.822964	14.728195	9.073442
Tnfrsf11a	0.238002	2.075349	1.87052	1.479092
Tnfrsf11b	0.787333	2.431501	2.143947	4.340271
Tnfrsf12a	323.233394	496.487808	499.645021	562.624857
Tnfrsf13b	0	0.70248	1.478255	2.201539
Tnfrsf13c	0.971754	0.363727	0	0.212764
Tnfrsf14	0	2.609908	3.980037	6.062157
Tnfrsf17	0	0	0	0
Tnfrsf18	0.511202	1.460968	1.303435	2.671675
Tnfrsf19	0	0.091339	0	0.111774
Tnfrsf1a	66.730812	58.193695	48.979515	67.374405
Tnfrsf1b	18.578766	24.70043	25.0994	25.028135
Tnfrsf21	4.74854	11.855815	8.647149	12.003907
Tnfrsf22	7.541093	12.5317	8.699749	10.279577
Tnfrsf23	19.131014	17.352295	11.635899	20.508192
Tnfrsf25	0	0	0	0.864223
Tnfrsf26	1.97329	1.501042	1.252466	3.357686
Tnfrsf4	1.217051	1.594483	0.421788	2.391418
Tnfrsf8	0	0	0	0.197134
Tnfrsf9	68.375861	38.781201	46.910387	94.150679
Tnfsf10	0	0	0.054514	0.279259
Tnfsf11	0.43989	0.397901	0.682409	0.769409
Tnfsf12	7.371636	7.732147	8.980079	12.68871
Tnfsf13	2.558236	5.345941	9.208394	8.216423
Tnfsf13b	1.38954	0.29985	0.288065	1.875071

Tnfsf14	0.96164	1.460132	1.455387	4.007442
Tnfsf15	0.034011	0	0	0
Tnfsf18	0.288106	0	0	2.539958
Tnfsf4	0.205732	0	0.089363	2.002911
Tnfsf8	0.154422	1.206684	0.811332	1.392206
Tnfsf9	10.4002	3.676244	5.32292	8.008405
Tnfsfm13	2.88505	6.067429	11.950252	7.158212
Tnik	0.109764	0.125229	0.121417	0.186543
Tnip1	24.04123	21.267579	16.784523	17.754727
Tnip2	23.033537	10.235285	12.744431	20.539736
Tnip3	0.072521	0.326162	0.255725	0.215192
Tnk1	0	0	0	0
Tnk2	29.360707	33.479505	31.33262	19.526945
Tnk2os	0.142397	0.724776	0.236271	0.413086
Tnks	8.427106	9.400282	6.485812	5.974807
Tnks1bp1	31.524456	34.737289	22.212202	29.880608
Tnks2	23.147684	29.7652	26.974884	22.508955
Tnmd	0	2.032487	0	0
Tnn	0.596236	0.292938	0.105903	0.495305
Tnnc1	6.856943	11.55335	3.268583	4.411182
Tnnc2	1.348179	150.515182	0	0.268049
Tnni1	4.369529	7.793983	0.406268	12.340528
Tnni2	2.715681	108.852814	11.194181	5.994174
Tnni3	0.413571	0.92547	0.179278	0.963587
Tnni3k	0	0	0	0
Tnnt1	0	16.714809	0	0.970018
Tnnt2	29.116579	35.991458	11.553597	42.201895
Tnnt3	3.010597	178.158025	1.08636	1.461115
Tnp1	0	0	0	0
Tnp2	0	0	0	0
Tnpo1	12.714746	14.33924	8.014461	10.856571
Tnpo2	37.284126	41.754793	31.847444	33.029017
Tnpo3	16.80969	32.156433	23.502979	23.631372
Tnr	0	0.039322	0	0.034325
Tnrc18	19.840392	18.076537	13.22567	12.492321
Tnrc6a	14.528597	14.928698	11.252929	13.33812
Tnrc6b	3.477078	3.188519	2.609772	2.81924
Tnrc6c	7.628437	6.307397	5.101314	4.550558
Tns1	17.100247	2.826054	4.312521	9.730417
Tns2	25.698832	19.174181	10.378129	13.664615
Tns3	24.994831	28.387209	20.008736	19.456724
Tns4	0.104215	0.599982	0.638607	1.566485
Tnxb	0	0.384692	0	0.022792
Tob1	8.113151	7.280797	7.193114	12.340914
Tob2	18.093105	15.751281	13.127207	16.606627
Toe1	5.810277	13.316336	11.91186	11.7192
Tollip	26.755777	16.829826	13.923629	16.796059
Tom1	12.987374	8.043815	6.123423	9.878705
Tom1l1	4.418669	6.904294	5.837183	3.898396

Tom1l2	14.733676	13.318103	10.942804	13.271403
Tomm20	96.785393	70.786385	114.57457	114.080132
Tomm20l	0	0	0	0
Tomm22	89.305603	118.6726	138.205383	132.803574
Tomm34	33.319575	35.683405	25.72574	28.988027
Tomm40	34.042586	59.919365	53.036058	44.434747
Tomm40l	6.248701	12.172808	14.4319	13.988173
Tomm5	113.54076	187.358849	297.215102	369.721342
Tomm6	112.742391	110.019278	99.685818	120.803307
Tomm6os	0.836033	0.566974	0.44529	0.687211
Tomm7	158.271606	130.474915	208.238281	165.009094
Tomm70a	19.143457	39.339233	39.413906	35.305637
Tomt	1.111332	1.206133	1.882744	1.444102
Tonsl	1.603826	5.557072	4.146598	3.110176
Top1	11.515398	24.111248	14.744808	17.615833
Top1mt	9.054443	8.975503	8.439795	7.439347
Top2a	9.572307	50.328793	48.942863	27.874737
Top2b	8.976464	13.92542	14.891317	10.006435
Top3a	5.635661	6.74076	6.253604	4.915195
Top3b	17.353842	18.345003	15.915146	14.247681
Topaz1	0	0	0	0
Topbp1	12.855882	24.537157	21.132647	13.087361
Topors	9.777728	13.730798	10.616684	11.856327
Toporsl	0	0	0	0
Toporsos	4.909676	8.572796	7.961519	10.129898
Tor1a	30.854645	39.04892	43.71534	42.072071
Tor1aip1	10.152053	10.674099	11.741794	17.720451
Tor1aip2	44.76477	32.876345	17.450877	34.601535
Tor1b	17.901344	27.741396	25.932055	28.167562
Tor2a	26.075361	28.348419	24.439535	31.870302
Tor3a	6.712749	10.861325	12.034611	14.033172
Tor4a	7.935444	16.119959	14.064111	16.745897
Tox	0	0	0	0
Tox2	0	0	0.146207	0.138611
Tox3	0	0	0	0
Tox4	14.405961	14.29032	14.370393	13.425159
Tpbg	8.17162	13.851362	9.613386	9.563707
Tpbpa	0	0	0	0
Tpbpb	0	0	0	0
Tpcn1	14.226831	20.134577	14.522948	16.257874
Tpcn2	5.970523	10.095581	12.166156	11.470588
Tpd52	40.12537	34.430374	34.198083	37.031937
Tpd52l1	0	0.066975	0	0.091623
Tpd52l2	29.541972	31.076398	35.629218	31.730502
Tpgs1	11.903205	13.668681	16.019171	18.170385
Tpgs2	1.883887	2.908148	4.429115	4.54071
Tph1	0	0	0	0.025446
Tph2	0	0	0	0.044207
Tpi1	743.052307	410.728302	433.731171	427.433075

Tpk1	0.642154	1.889454	1.526067	1.007111
Tpm1	313.597877	529.104734	366.871442	430.922795
Tpm2	81.906064	88.223903	39.892665	66.443024
Tpm3	148.715503	141.185655	198.944399	189.693583
Tpm4	261.407013	300.163788	239.563568	251.91066
Tpmt	1.527327	4.018365	2.198682	2.892688
Tpo	0	0	0	0
Tpp1	24.032028	40.744057	35.896263	37.39558
Tpp2	10.525545	11.730881	9.094925	7.986944
Tppp	0.077625	0.20817	0	0.295272
Tppp2	0	0	0	0
Tppp3	4.751523	12.767869	5.593563	15.166082
Tpr	34.343304	32.002399	25.524229	23.857409
Tpra1	14.090113	21.828066	27.255936	22.447647
Tprg	0	0.254677	0	0
Tprgl	38.995136	32.395611	24.468832	35.311573
Tprkb	12.059554	18.336057	19.756349	13.827096
Tprn	4.07869	4.85413	4.191868	4.837219
Tpsab1	0	1.032161	0.326901	0
Tpsb2	0	2.139135	0.710869	0.320092
Tpsg1	0	0	0	0
Tpst1	11.887214	24.732512	22.148115	18.978903
Tpst2	42.844242	54.036011	53.293728	51.999428
Tpt1	6540.138672	3564.707764	4707.452148	4531.188477
Tpte	0	0	0	0
Tpx2	8.548244	25.80356	23.41018	17.804136
Tra2a	33.448063	59.228584	64.383766	56.547779
Tra2b	26.930059	39.852257	42.033253	37.233475
Trabd	23.697947	16.586002	15.867725	18.059759
Trabd2b	0.205596	0.875635	0.430528	1.513875
Tradd	11.774693	15.63913	14.209614	16.633776
Traf1	2.47319	6.415698	6.142743	5.187346
Traf2	5.268704	7.555715	10.608711	5.841107
Traf3	4.405765	9.50276	6.960613	6.910217
Traf3ip1	4.978071	6.836373	5.677536	6.52838
Traf3ip2	6.968351	3.393121	3.810567	3.999351
Traf3ip3	0	2.239877	2.46208	3.472977
Traf4	16.31761	19.778538	15.1842	16.032734
Traf5	3.499283	8.17502	4.499809	11.008607
Traf6	4.916766	2.772445	4.522191	4.003991
Traf7	35.707453	52.856828	43.100454	34.750588
Trafd1	21.906696	16.59794	13.045077	20.143403
Traip	1.98658	6.469254	6.288298	5.034868
Trak1	9.513185	11.259572	7.598089	9.054017
Trak2	7.307848	10.440483	6.69636	13.773815
Tram1	24.72467	38.145084	39.060387	33.391899
Tram1l1	0.534758	0.995856	1.239607	0.951382
Tram2	4.654281	7.051932	4.409244	3.675798
Trank1	0	0	0	0

Trap1	37.946236	71.071434	72.845184	53.025871
Trap1a	0	0	0	0
Trappc1	32.428165	32.163887	33.114784	38.728786
Trappc10	6.930554	8.948917	6.913302	6.559918
Trappc11	8.100696	9.599658	8.309283	8.241471
Trappc12	7.856432	13.227916	11.261838	7.754999
Trappc13	4.35112	11.866404	12.911607	9.924993
Trappc2	1.293375	3.023816	4.059929	2.789114
Trappc2l	53.9561	62.293842	58.605843	94.088531
Trappc3	37.407619	41.147621	46.070374	50.290958
Trappc3l	0	0	0	0
Trappc4	40.663837	45.188137	48.194584	61.019363
Trappc5	12.736284	16.752079	17.562109	16.918743
Trappc6a	56.454765	40.260963	53.698803	59.743298
Trappc6b	18.676522	23.556859	23.802446	31.019092
Trappc8	4.224607	6.987006	6.230753	5.629451
Trappc9	7.481828	8.091431	6.638983	6.383554
Trat1	0	0	0	0
Trcg1	0	0	0	0
Trdmt1	0.961264	0.865914	2.513443	1.690454
Trdn	0	2.089483	0	0
Treh	0	0	0	0
Trem1	2.893636	16.979006	13.419676	18.742458
Trem2	15.704724	48.550536	80.107216	84.831838
Trem3	0	1.391082	2.52474	2.167393
Treml1	1.261352	0.203658	0.708557	1.030837
Treml2	0.109754	1.276316	0.799838	1.422341
Treml4	0	0.454195	0.36534	0.266102
Trerf1	3.391956	4.555101	4.587785	3.844131
Trex1	7.828577	10.066783	8.277299	14.786173
Trex2	0	0	0	0
Trf	153.504074	115.508995	134.885284	1661.729004
Trh	0	0	0	0
Trhde	0	0	0	0
Trhr	0	0	0	0
Trhr2	0	0	0	0
Triap1	15.21551	18.668678	26.695421	28.115316
Trib1	15.093223	22.066214	12.10734	17.768616
Trib2	13.131975	14.935994	9.595235	12.505167
Trib3	34.629772	22.117874	15.782671	17.248667
Tril	0.119986	0.156897	0.101093	0.081753
Trim10	0	0.094496	0	0
Trim11	13.772678	16.671111	15.982046	20.560101
Trim12a	1.031593	1.775611	1.935724	5.109385
Trim12c	0.829419	1.555937	1.094229	2.594025
Trim13	0.662738	2.013492	3.104728	1.936711
Trim14	0.718051	1.67826	1.586886	4.553731
Trim15	0	0	0	0.094482
Trim16	4.69035	6.94986	4.222629	5.079683

Trim17	0	0.937248	0.617104	0.474859
Trim2	1.533437	2.621946	2.340295	1.829401
Trim21	1.43642	2.243404	1.873197	2.057403
Trim23	1.933184	2.677398	3.965636	2.469005
Trim24	5.944446	4.501101	4.242716	3.582572
Trim25	19.431866	17.873337	15.902667	19.96142
Trim26	15.060276	14.081027	12.122722	14.365247
Trim27	10.052756	16.685843	12.855584	14.30244
Trim28	82.253403	85.212555	63.319534	67.5131
Trim29	0.806266	0.328436	0.121074	1.809529
Trim3	24.960295	25.708817	19.023591	20.256447
Trim30a	0.642408	1.854938	1.772407	4.214427
Trim30b	0	0.114021	0.13932	0.26714
Trim30d	0.953898	0.572943	0.286261	1.634949
Trim30e-ps1	0	0	0	0
Trim31	0	0	0	0
Trim32	7.279316	0.44075	5.615458	3.928397
Trim33	4.063993	5.780873	2.780451	4.016105
Trim34a	0.29338	1.007219	0.915236	1.232408
Trim34b	0.323001	0	0.546263	0.47029
Trim35	33.365402	39.755856	28.780891	32.320442
Trim36	0.141417	0.139251	0.054159	0.287194
Trim37	1.982519	6.686646	6.454693	3.50889
Trim38	0	0	0	0
Trim39	8.50194	12.612736	11.246214	11.458898
Trim40	0	0	0	0
Trim41	14.660612	13.503856	12.639397	13.971433
Trim42	0	0	0	0
Trim43a	0	0	0	0
Trim43b	0	0	0	0
Trim43c	0	0.17	0.117509	0.131254
Trim44	6.346325	9.243211	6.422437	8.845228
Trim45	1.941578	2.54302	2.657205	2.062049
Trim46	4.503201	3.469886	3.199603	4.245616
Trim47	18.444396	38.192222	21.36178	26.113041
Trim50	0	0	0	0
Trim52	0.014359	0	0	0
Trim54	4.489265	7.849146	7.686695	3.059705
Trim55	0	0.163508	0	0
Trim56	2.768695	3.757796	2.133718	2.773973
Trim58	0	0	0	0
Trim59	5.351059	18.622084	19.961826	14.764204
Trim6	0.116192	0.044347	0.175114	0.235996
Trim60	0	0	0	0
Trim61	0	0	0	0
Trim62	0.206192	0.364585	0.353531	0.830054
Trim63	0	3.302518	0	0
Trim65	1.468163	5.061771	3.563063	3.637169
Trim66	0.171267	0.421216	0.348025	0.456328

Trim67	0	0	0	0.032422
Trim68	2.406857	3.750103	3.237009	3.233392
Trim69	0.25369	0.334025	0.139677	0.483364
Trim7	0.667205	1.307177	1.195996	0.612889
Trim71	0.75133	1.398821	0.996746	0.963305
Trim72	0.592298	3.349222	0.158562	0.344378
Trim75	0	0	0	0
Trim8	29.687351	44.07666	25.896547	39.523418
Trim80	0	0	0	0
Trim9	0	0	0.031297	0
Triml1	0	0	0	0
Triml2	0	0	0	0
Trio	7.976381	11.582471	8.716684	8.251141
Triobp	31.919676	27.087739	22.736496	21.854969
Trip10	61.375512	47.675041	35.363669	36.870523
Trip11	2.551946	2.777087	2.591899	2.480976
Trip12	19.116428	18.535122	14.89305	13.658547
Trip13	4.89873	18.593563	21.437462	13.658586
Trip4	3.314392	4.043002	3.618488	3.961419
Trip6	39.950523	26.841368	22.962723	20.06144
Triqk	2.693612	2.538772	2.387495	2.337633
Trit1	10.252908	11.084658	13.141038	10.38747
Trmt1	56.099727	46.216924	43.520807	32.026084
Trmt10a	2.984504	5.523511	4.258946	4.619268
Trmt10b	5.084917	6.684023	8.843892	6.538265
Trmt10c	17.702778	18.112156	19.365252	17.451565
Trmt11	2.014937	5.851303	4.986665	3.644047
Trmt112	56.162617	48.191383	47.249222	44.647984
Trmt12	0.693335	2.446835	1.800807	2.440075
Trmt13	3.284948	6.076497	6.193738	3.433667
Trmt1l	5.128099	12.677168	10.709545	11.93547
Trmt2a	11.937498	17.834195	15.342223	15.25263
Trmt2b	4.341407	5.550487	8.637933	6.478711
Trmt44	1.590343	2.610912	2.197938	2.936755
Trmt5	3.973044	8.510168	8.977572	7.310184
Trmt6	6.846678	14.347961	14.342289	11.324622
Trmt61a	2.576956	9.13931	6.103044	8.866729
Trmt61b	1.539673	1.883943	1.711352	4.310848
Trmu	5.992541	6.438002	5.972083	5.943839
Trnau1ap	47.179672	35.126553	40.859962	43.157169
Trnp1	1.107329	0.46174	0.652588	0.5175
Trnt1	7.046149	21.642743	26.231128	15.563922
Tro	0.054296	0.052771	0.061518	0.484715
Troap	1.976627	11.343802	11.584946	6.037581
Trove2	5.246221	5.889787	5.160679	4.757333
Trp53	32.10913	60.408014	44.463532	38.413976
Trp53bp1	5.987611	7.466269	7.360414	5.2149
Trp53bp2	11.577308	8.942352	6.109442	7.831021
Trp53cor1	0.312472	0.163135	0.115071	0.202094

Trp53i11	9.406731	10.811112	9.073665	8.887182
Trp53i13	20.53294	14.321525	10.376678	14.787304
Trp53inp1	2.66164	0.762937	1.195786	4.137866
Trp53inp2	5.038386	7.361662	4.135412	16.021961
Trp53rka	7.925662	9.097362	8.96493	11.077531
Trp53rkb	1.002163	1.351351	1.199821	1.960469
Trp53tg5	0	0	0	0
Trp63	0	0.023783	0	0
Trp73	0	0	0	0
Trpa1	0	0	0	0
Trpc1	0.540802	0.378272	0.161088	0.39081
Trpc2	0	0	0	0
Trpc3	0	0	0.053321	0
Trpc4	0	0	0	0
Trpc4ap	40.483761	39.121054	28.98514	30.587742
Trpc5	0	0	0	0.027919
Trpc5os	0	0	0	0
Trpc6	0	0	0	0
Trpc7	0	0	0	0.157984
Trpd52l3	0	0	0	0
Trpm1	0.060909	0	0.060525	0.040768
Trpm2	0.305353	0.257412	0.760822	0.361083
Trpm3	0.029008	0.043718	0.04353	0.074446
Trpm4	3.659733	2.872965	1.980035	4.154173
Trpm5	0	0	0	0
Trpm6	0.144651	0.013037	0.084406	0.14898
Trpm7	5.920481	8.466504	8.284734	5.868076
Trpm8	0	0	0	0
Trps1	1.019386	2.475194	1.639998	1.395342
Trpt1	5.839859	3.437701	3.151307	3.28831
Trpv1	0	0	0	0
Trpv2	9.838016	9.346853	10.563274	13.247492
Trpv3	0	0	0	0
Trpv4	1.616578	1.785009	2.252874	2.152844
Trpv5	0	0	0	0
Trpv6	0.282222	0.357167	0.12855	0.371945
Trrap	11.704354	11.420945	9.965964	8.635725
Trub1	3.500498	5.556228	4.074963	3.767915
Trub2	3.636245	6.058892	11.285702	3.653383
Try10	0	0	0	0
Try4	0	0	0	0
Try5	0	0	0	0
Tsacc	12.004269	9.878298	9.173002	12.939274
Tsc1	7.266878	6.19555	5.226685	5.025299
Tsc2	14.092676	17.809998	12.362951	13.756465
Tsc22d1	196.548358	190.513477	209.246416	189.038329
Tsc22d2	5.076789	5.292076	4.442194	4.26699
Tsc22d3	292.309009	98.596316	138.562952	93.733283
Tsc22d4	41.613132	36.525925	32.637959	35.905653

Tsen15	15.964441	25.473284	41.909489	24.832489
Tsen2	8.284915	12.093993	12.413714	8.951888
Tsen34	42.342785	36.82416	34.186745	36.269401
Tsen54	10.6513	14.15556	11.950216	11.755046
Tsfm	12.824944	26.248812	17.858368	20.576191
Tsg101	43.64933	33.467033	29.439728	36.119923
Tsga10	0.238177	0.45165	1.16585	0.413798
Tsga13	0	0	0	0
Tsga8	0	0	0	0
Tshb	0	0	0	0
Tshr	0	0	0	0
Tshz1	5.715124	15.657209	7.85972	6.71295
Tshz2	0.871874	1.780135	0.537394	1.518609
Tshz3	1.051581	0.657214	0.11472	0.817542
Tsix	0	0.015539	0	0.039181
Tsks	0	0	0	0
Tsku	11.557108	1.348073	9.471137	13.142731
Tslp	0.26173	0.186747	0.388386	0.204378
Tsn	25.096796	36.627838	33.349632	29.407339
Tsnax	34.063496	48.264389	40.608261	42.328167
Tsnaxip1	0	0	0	0
Tspan1	0	0.107633	0.074949	0.199944
Tspan10	0	0	0	0
Tspan11	3.78742	7.572066	6.937297	4.583523
Tspan12	0.200047	0.323754	0.158207	1.714103
Tspan13	0.306138	1.633609	1.258167	2.002187
Tspan14	24.888102	34.507172	34.439312	35.942154
Tspan15	0.205823	1.631087	1.773889	1.057908
Tspan17	10.518056	8.988947	6.380761	10.46595
Tspan18	0.129467	1.207146	0.616475	0.77422
Tspan2	0.18592	0.327136	0.28891	0.313124
Tspan2os	0	0	0	0
Tspan3	60.783024	85.916092	91.663834	79.602043
Tspan31	52.717842	81.507095	87.550858	83.248352
Tspan32	2.523244	5.00669	11.021292	14.083363
Tspan33	0.191514	0	0	0.192062
Tspan4	102.918853	97.967296	88.310023	125.310423
Tspan5	10.647011	12.364893	14.682808	11.848599
Tspan6	0.168647	6.965097	4.004144	3.692209
Tspan7	1.811213	2.981976	1.051455	2.691674
Tspan8	6.007425	2.942697	7.024289	8.959454
Tspan9	32.050583	40.407063	42.149994	25.108976
Tspear	0	0	0	0.02373
Tspo	226.912582	227.940201	316.047363	259.913818
Tspo2	0	0	0	0
Tspy-ps	0	0	0	0
Tspyl1	19.600981	16.449768	14.004938	16.200365
Tspyl2	20.241751	11.982217	9.374395	12.805586
Tspyl3	0.945917	0.509827	0.400197	0.715213

Tspyl4	0.325618	0.744716	0.6308	0.583807
Tspyl5	0.098886	0.062089	0.048967	0.069496
Tsr1	13.455125	23.734352	15.236092	17.109491
Tsr2	8.74748	10.882259	10.737413	10.32922
Tsr3	29.963488	19.610066	19.778893	24.367308
Tssc1	8.202408	14.083424	13.168404	12.00934
Tssc4	15.346763	12.284336	16.829977	11.114521
Tssk1	0.067393	0.058482	0	0
Tssk2	0.354639	0.305683	0.035477	0.207417
Tssk3	0	0	0	0
Tssk4	0.310146	0.739542	1.251803	0.366245
Tssk5	0	0.056291	0	0
Tssk6	2.180789	0.570923	0.564921	0.830453
Tst	6.464952	8.954957	11.462201	12.567578
Tsta3	34.380733	47.166695	40.43084	36.67347
Tstd1	2.070903	1.972616	0.993347	9.659139
Tstd2	6.012683	11.765268	9.71839	8.866326
Tstd3	2.246624	9.724407	13.691211	9.022133
Tsx	0.851238	0	0.530403	0.193715
Ttbk1	0	0	0	0
Ttbk2	1.255645	1.863595	1.305579	1.583817
Ttc1	23.776308	24.433306	27.414034	22.941429
Ttc12	1.447401	1.330164	1.316477	1.334197
Ttc13	9.362091	34.810089	33.235424	30.743103
Ttc14	1.463237	5.833375	3.038238	1.744139
Ttc16	0.180762	0.227588	0.192635	0.235868
Ttc17	6.592691	8.285402	6.972724	7.341022
Ttc19	7.423904	6.569869	7.451541	7.442736
Ttc21a	0	0	0	0
Ttc21b	2.499706	4.936869	4.486373	2.942368
Ttc22	0	0	0	0
Ttc23	2.809963	4.422514	5.316736	3.23012
Ttc23l	0	0	0	0
Ttc24	0	0	0	0
Ttc25	0	0.085118	0.295428	0.285342
Ttc26	0.392762	1.620494	1.953021	0.920842
Ttc27	10.559246	16.515966	17.346621	11.276731
Ttc28	2.97531	2.497747	1.655353	1.886584
Ttc29	0	0	0	0
Ttc3	11.903659	21.993654	18.407688	12.636865
Ttc30a1	0.223473	0.533795	0.742278	0.964324
Ttc30a2	0.147412	0.351601	0.510129	0.442905
Ttc30b	0.629115	1.3619	1.75639	1.38216
Ttc32	3.123895	9.146521	13.826447	9.800034
Ttc33	11.969992	14.504248	13.289723	14.160917
Ttc34	0.086307	0	0	0
Ttc36	0.259446	0.721956	0	6.74437
Ttc37	4.268481	7.4316	5.778464	4.121738
Ttc38	1.599391	1.526185	2.171839	2.37352

Ttc39a	0.210371	0.108652	1.150587	1.277897
Ttc39aos1	0.582634	0.401722	1.118551	0.849526
Ttc39b	7.562235	8.604615	8.366054	8.025483
Ttc39c	18.59054	16.606358	14.558511	14.595605
Ttc39d	0	0	0	0.028692
Ttc4	13.982676	18.242794	17.122624	15.490869
Ttc41	0	0.367531	0.359377	0.442507
Ttc5	13.418077	14.899324	18.232004	15.213771
Ttc7	12.011657	11.330898	8.253705	11.921582
Ttc7b	8.751331	5.929514	4.828045	7.0684
Ttc8	3.307093	11.551515	11.533855	7.444898
Ttc9	3.030199	5.990593	3.31687	4.913311
Ttc9b	0.16445	0	0	0
Ttc9c	4.747681	13.883147	13.944469	10.022035
Ttf1	3.849381	4.579164	3.920347	4.828382
Ttf2	3.952112	11.349731	9.995262	4.836219
Tti1	3.298883	6.214944	5.247588	3.66315
Tti2	5.918236	5.553572	5.767065	4.608857
Ttk	0.119449	4.531	5.44795	2.67826
Ttl	3.884387	5.33079	4.20099	5.972447
Ttll1	1.401407	4.347624	3.019089	3.34904
Ttll10	0	0	0	0
Ttll11	0.217411	0.164369	0.218831	0.404796
Ttll12	14.446237	23.678503	16.549261	14.319404
Ttll13	0	0	0	0
Ttll2	0	0	0	0
Ttll3	7.58844	5.955992	3.48789	4.719087
Ttll4	6.977487	12.809451	10.582419	6.904421
Ttll5	5.289464	11.229334	9.939367	7.735991
Ttll6	0	0	0	0
Ttll7	0.273745	0.97769	0.773648	0.879325
Ttll8	0	0	0	0
Ttll9	0	0	0	0.056615
Ttn	0.011697	0.495094	0.003874	0.007731
Ttpa	0	0	0	1.007123
Ttpal	2.154461	7.811033	5.25351	6.022064
Ttr	1.899915	1.892211	0.398989	85.253159
Ttyh1	0.275571	0.374536	0.313997	0.789304
Ttyh2	16.695858	16.510735	11.935631	18.053776
Ttyh3	21.803033	24.073167	22.040098	23.718036
Tub	0	0.035709	0	0
Tuba1a	196.82785	259.844971	256.601746	211.215469
Tuba1b	155.646835	252.252121	249.73111	213.396561
Tuba1c	111.565254	179.475739	170.047348	154.756348
Tuba3a	0	0	0	0.076417
Tuba3b	0	0	0	0
Tuba4a	16.178274	45.839588	37.094463	26.10466
Tuba8	0	0.383993	0.137547	0
Tubal3	0	0	0	0

Tubb1	0.394363	0.077253	0.122859	0
Tubb2a	5.87398	18.438105	8.092498	20.417425
Tubb2a-ps2	0	0.391744	0.104919	0.123672
Tubb2b	2.188199	9.269781	3.482738	6.979224
Tubb3	5.342074	15.172917	7.429428	13.524127
Tubb4a	3.88717	0.323231	0.324153	2.133812
Tubb4b	30.817606	91.459717	74.084053	88.031364
Tubb5	342.24707	474.389954	405.386658	325.262299
Tubb6	50.465893	109.744011	71.743973	76.40728
Tubd1	0.257267	3.007951	2.825344	2.287409
Tube1	1.698162	2.3766	3.707791	1.789586
Tubg1	13.591622	27.415325	20.040922	19.287649
Tubg2	1.211427	0.18592	0.1622	1.483366
Tubgcp2	13.696465	17.323721	14.91117	11.529423
Tubgcp3	9.055809	17.002459	13.741887	11.287387
Tubgcp4	3.445978	8.246365	6.895326	6.646417
Tubgcp5	2.686188	4.699967	4.446168	3.19509
Tubgcp6	2.560266	4.951307	3.838996	3.558089
Tufm	23.875586	36.934589	28.682133	29.369327
Tuft1	6.819403	6.851895	5.982163	4.377305
Tug1	9.778565	7.056271	7.340369	6.462888
Tulp1	0	0	0	0.086333
Tulp2	0	0	0	0
Tulp3	16.162142	16.773005	13.260752	14.372288
Tulp4	5.204249	5.730519	5.130053	3.75296
Tunar	0	0	0	0
Tusc1	2.530993	1.928583	1.949456	2.787554
Tusc2	12.238082	12.107071	10.15767	17.198668
Tusc3	35.862705	52.506371	66.582352	47.884792
Tusc5	0.030617	0.078645	0.223721	0.28666
Tut1	16.232868	18.267736	12.468387	12.89617
Tvp23a	0.676384	2.052925	1.438493	1.190091
Tvp23b	23.550898	33.209686	41.313927	52.034882
Twf1	18.988157	35.521652	29.01618	32.015907
Twf2	13.546467	30.346451	29.694607	32.241104
Twist1	50.349072	56.42807	40.45039	40.061043
Twist2	2.30296	2.704837	0.60051	4.077779
Twistnb	6.853858	14.334513	14.250607	13.85114
Twsg1	13.715174	19.819946	18.086889	18.493353
Txk	0.230576	0.394603	0.46833	0.469827
Txlna	12.634276	18.646981	14.523784	16.577416
Txlnb	0.141128	0.972775	0.077337	0.117206
Txlng	1.301948	5.295226	5.725719	3.334925
Txn1	369.074097	395.219635	525.111389	467.557404
Txn2	88.516182	89.053726	78.76284	88.267197
Txndc11	9.360524	15.466647	10.677348	11.357235
Txndc12	41.308109	71.287956	86.887207	73.290092
Txndc15	10.993157	23.283276	23.45883	25.455488
Txndc16	2.779037	3.26191	2.341961	4.548168

Txndc17	154.057281	130.929184	182.365005	175.39679
Txndc2	0	0	0.181167	0.091695
Txndc5	67.775437	129.357636	109.868198	99.584249
Txndc8	0	0	0	0
Txndc9	14.670044	14.983451	16.790148	14.640152
Txnip	74.341912	56.14163	64.165641	94.442124
Txnl1	49.752548	41.853809	46.826061	38.966621
Txnl4a	93.446269	77.51293	66.235452	75.527263
Txnl4b	5.234827	6.037995	5.351037	6.461897
Txnrd1	45.237488	50.005562	33.446694	36.204113
Txnrd2	7.711896	9.265174	10.476469	8.024726
Txnrd3	7.249623	6.180204	5.012387	5.505158
Tyk2	6.209125	10.465483	9.413656	9.15286
Tymp	0.165586	0.285154	0	0.223786
Tyms	2.664113	13.02291	16.200279	11.224443
Tyms-ps	0.063276	1.052058	1.045277	0.839696
Tyr	0	0	0	0
Tyro3	1.509777	3.289049	2.831858	2.16261
Tyrobp	98.891228	374.319031	535.039307	659.036316
Tyrp1	0	0	0	0
Tysnd1	5.843186	8.068997	6.906696	9.653913
Tyw1	6.70059	14.152502	13.911333	9.796909
Tyw3	0.530719	1.173249	1.027176	1.183222
Tyw5	11.988918	9.777491	12.936814	11.613206
U2af1	120.243217	84.685318	78.187353	81.794853
U2af1l4	18.030853	21.430477	20.882177	19.174002
U2af2	77.528679	99.207504	79.868129	73.703466
U2surp	6.545148	8.706163	6.989208	5.144666
U90926	0	0	0	0
Uaca	20.03632	15.454831	14.855506	16.141666
Uap1	21.354921	20.193546	13.834724	17.923372
Uap1l1	20.815102	16.556442	16.29953	27.230673
Uba1	86.0378	116.67295	88.169265	71.654686
Uba1y	0	0	0	0
Uba2	43.20533	73.041557	74.532562	58.749004
Uba3	17.112509	33.077689	33.807376	26.675075
Uba5	24.071802	19.658092	16.927927	24.586977
Uba52	3143.147705	2104.275391	2350.550537	2028.353149
Uba6	2.130907	3.196589	2.791796	2.211083
Uba7	2.365033	3.832633	3.790261	4.779996
Ubac1	6.954	12.820389	11.436852	9.559706
Ubac2	13.103715	20.093607	21.054041	17.615992
Ubald1	35.863255	35.520409	26.328859	34.794163
Ubald2	36.940269	37.824627	27.296865	45.975368
Ubap1	23.793088	20.65837	17.225193	21.328589
Ubap1l	0	0	0	0
Ubap2	20.906137	28.395937	20.5518	18.481543
Ubap2l	52.911684	63.914356	50.835336	39.365462
Ubash3a	0	0	0	0

Ubash3b	1.614159	4.48901	4.775898	7.356185
Ubb	337.217529	189.735062	185.695053	188.586227
Ubc	435.855286	282.074402	272.271667	270.112122
Ubd	0	0.679827	1.411214	0.929188
Ube2a	32.217285	24.876566	31.957216	33.113499
Ube2b	66.530556	73.287704	97.046188	101.12011
Ube2c	35.187195	92.225334	110.733665	86.096275
Ube2cbp	0.216868	3.307034	2.25988	0.949607
Ube2d1	13.298482	19.668861	12.875136	15.685894
Ube2d2a	40.264549	41.106865	36.307087	40.93021
Ube2d2b	0.059285	0	0	0
Ube2d3	87.360016	72.18853	91.575165	77.425789
Ube2dnl1	0	0	0	0
Ube2dnl2	0	0	0	0
Ube2e1	22.895872	29.795259	40.10714	30.591452
Ube2e2	23.625395	16.095158	19.289604	15.604666
Ube2e3	30.238678	33.120937	31.083887	27.060736
Ube2f	24.79357	29.254194	32.109184	34.337776
Ube2g1	17.691845	14.65027	12.772161	12.909911
Ube2g2	37.173798	33.88311	31.156343	36.207085
Ube2h	7.115092	17.039568	13.709166	17.264254
Ube2i	76.473256	74.32624	67.380219	58.278831
Ube2j1	19.081781	16.858686	13.864513	13.604965
Ube2j2	20.389091	12.373749	12.513208	14.208042
Ube2k	16.826628	16.849218	15.097587	17.406792
Ube2l3	26.625488	44.030617	38.005573	41.093243
Ube2l6	20.044889	12.325994	11.018666	26.372871
Ube2m	27.200542	80.493972	70.73485	51.873681
Ube2n	10.809943	17.104397	18.391415	16.740936
Ube2o	16.44841	14.068791	10.019899	9.9685
Ube2q1	23.417366	32.285282	28.906008	31.921499
Ube2q2	8.009785	11.836211	9.933494	10.919653
Ube2ql1	0.459205	0.61381	0.146881	0.87
Ube2r2	46.014462	42.351009	34.795074	48.959908
Ube2s	77.542709	136.195343	140.471222	123.622604
Ube2t	5.448743	11.19173	20.879169	11.171502
Ube2u	0	0	0	0
Ube2v1	35.474007	33.109871	25.250977	28.985287
Ube2v2	1.559541	3.890038	4.367701	4.504616
Ube2w	6.700535	7.50714	8.200228	9.134561
Ube2z	42.837471	43.687729	29.777052	43.375233
Ube3a	7.033841	5.995051	7.760659	6.582668
Ube3b	23.972727	22.957394	19.019745	18.524431
Ube3c	7.446168	17.341776	16.085596	12.847798
Ube4a	4.297144	8.763124	7.567742	8.315359
Ube4b	19.08926	21.139776	16.408758	13.245554
Ube4bos3	1.516413	1.098206	1.784031	1.435632
Ubfd1	6.324663	10.658582	9.04068	10.358488
Ubiad1	3.838519	7.743092	5.628047	5.662839

Ubl3	14.595594	25.345715	23.733067	31.955812
Ubl4a	17.105749	13.836366	21.300259	21.279141
Ubl4b	0	0	0	0
Ubl5	38.20298	35.949619	43.987186	49.70356
Ubl7	26.000542	27.757071	21.92729	23.610362
Ublcp1	3.666732	10.79375	8.248582	9.492655
Ubn1	11.917816	12.665343	10.134789	13.144971
Ubn2	3.724739	3.187353	3.304328	4.290974
Ubox5	1.727847	3.370266	3.121642	2.667721
Ubp1	14.051975	17.183429	12.979053	24.835156
Ubqln1	28.845067	33.016404	23.338749	23.871893
Ubqln2	17.602385	18.171486	12.424273	11.285327
Ubqln3	0	0	0	0
Ubqln4	44.47728	47.961761	34.141674	34.119549
Ubqlnl	0	0	0	0
Ubr1	2.513913	3.798133	3.0444	3.179247
Ubr2	23.888582	16.192862	14.562894	10.949388
Ubr3	7.408791	7.751073	6.510439	6.186464
Ubr4	13.328011	13.481965	10.89983	12.109612
Ubr5	23.817311	18.747656	14.10648	13.247736
Ubr7	16.722969	16.184887	17.913891	12.957705
Ubtd1	21.882587	39.70266	34.890862	28.583513
Ubtd2	16.073294	18.423508	15.439282	16.501507
Ubtf	47.371	32.729531	31.403891	41.825731
Ubtfl1	0	0	0	0
Ubxn1	404.996582	178.664322	204.172256	226.525894
Ubxn10	0	0	0	0
Ubxn11	0.248033	1.36892	1.231514	0.900688
Ubxn2a	5.125269	8.678953	7.546622	7.258457
Ubxn2b	0.917395	1.82296	1.966206	1.02061
Ubxn4	26.186266	31.005823	28.111671	27.846991
Ubxn6	66.350983	43.863041	50.74474	54.247875
Ubxn7	10.111915	9.325429	8.402194	6.783646
Ubxn8	5.394189	6.22992	5.954513	7.824836
Uchl1	0.432033	2.299368	1.708652	9.151984
Uchl1os	0	0	0	0
Uchl3	25.781673	49.975967	65.94133	54.933937
Uchl4	1.559028	4.02453	4.712864	5.237219
Uchl5	11.679069	16.11526	18.212745	12.783252
Uck1	22.507793	20.863602	19.650288	17.794262
Uck2	79.377113	66.614609	48.361092	42.534996
Uckl1	14.549768	13.764441	16.662207	16.634874
Uckl1os	0.34378	0.732798	0.398218	0.230998
Ucma	0	0	0	0
Ucn	0	0	0	0
Ucn2	1.188905	1.871046	1.820932	1.591074
Ucn3	0	0	0	0
Ucp1	0	0	0.239619	0.281037
Ucp2	148.104111	230.9599	245.138458	286.520569

Ucp3	0	0.609208	0	0.117651
Uevld	2.414396	3.315233	3.558149	2.386071
Ufc1	131.943649	115.428963	166.54837	142.069626
Ufd1l	31.922958	27.022509	22.999098	23.629148
Ufl1	4.9802	4.361833	5.812391	5.060324
Ufm1	6.049472	10.842669	11.224748	13.161968
Ufsp1	1.963593	1.92662	1.226102	2.982199
Ufsp2	12.970003	18.075331	18.195223	17.522137
Ugcg	11.754427	15.301259	10.354068	15.505894
Ugdh	69.069031	74.730186	53.727489	68.217941
Uggt1	11.293428	21.660421	19.810274	16.944309
Uggt2	3.207221	6.382454	6.173516	3.85464
Ugp2	19.918199	14.184276	20.510827	21.226347
Ugt1a1	1.431546	0.104944	1.615526	0.358315
Ugt1a10	0	0	0	1.479501
Ugt1a2	0	0	0	0
Ugt1a5	0	0	0	0.018093
Ugt1a6a	0.610498	0.102624	0.156385	2.457056
Ugt1a6b	1.574743	0.073768	0.224931	6.856303
Ugt1a7c	3.973257	6.774355	9.597365	4.87523
Ugt1a9	0	0	0	0.008904
Ugt2a1	0	0	0	0
Ugt2a2	0	0	0	0
Ugt2a3	0	0	0	0.204353
Ugt2b1	0	0	0	0.181847
Ugt2b34	0.146322	0.097441	0	1.260017
Ugt2b35	0	0	0	1.099508
Ugt2b36	0	0	0	2.717706
Ugt2b37	0	0	0	0
Ugt2b38	0	0	0	0
Ugt2b5	0	0	0	2.838696
Ugt3a1	0	0	0	0
Ugt3a2	0	0	0	0.574089
Ugt8a	0	0	0	0
Uhmk1	3.16862	4.266919	3.073263	3.101379
Uhrf1	3.646096	19.624779	19.23869	9.530589
Uhrf1bp1	6.077575	8.009588	6.041135	5.079769
Uhrf1bp1l	12.220378	12.853266	10.791846	9.410379
Uhrf2	35.186359	38.131882	37.812714	29.765703
Uimc1	15.691978	13.497638	12.752578	13.325751
Ulbp1	0.272425	1.76739	2.030906	1.828384
Ulk1	10.720419	9.054637	7.204254	8.961265
Ulk2	5.537587	5.814686	4.918761	4.936146
Ulk3	17.017765	12.884832	9.003157	7.615873
Ulk4	0.131237	0.260108	0.307832	0.312373
Umad1	1.407485	4.379101	5.462245	4.052975
Umod	0	0	0	0
Umodl1	0	0	0	0
Umps	11.606464	20.660112	19.291861	16.275688

Unc119	38.031513	31.645288	34.955414	45.575554
Unc119b	10.908449	13.731346	11.509672	13.129612
Unc13a	9.888522	2.450858	3.986067	4.220089
Unc13b	0.532701	0.159757	0.108156	0.221585
Unc13c	0	0	0	0.042341
Unc13d	0.4945	1.660048	0.789826	1.511422
Unc45a	20.016464	15.893577	11.362892	11.438843
Unc45b	0.346172	1.324945	0.44935	0.144454
Unc50	16.103003	29.051517	33.873173	35.957809
Unc5a	0.173909	0.256096	0.074016	0.67167
Unc5b	48.650429	47.743645	32.027855	43.078087
Unc5c	0	0.122396	0.047373	0.024653
Unc5cl	0	0	0	0.0614
Unc5d	0.053746	0	0	0
Unc79	0	0	0	0
Unc80	0	0	0	0
Unc93a	0	0	0	0
Unc93b1	19.44666	39.73542	47.559429	64.939354
Uncx	0	0	0	0
Ung	4.497488	7.200802	6.287832	4.546409
Unk	6.896424	11.384988	10.66778	8.460474
Unkl	1.764902	4.488249	3.231407	4.041466
Uox	0	0.793785	0.518945	8.697543
Upb1	0	0	0	0.960647
Upf1	19.152797	30.625528	19.276384	20.686569
Upf2	10.435366	7.272214	6.262677	7.803615
Upf3a	39.495262	27.991911	22.533375	28.512617
Upf3b	12.36924	14.104185	13.752284	13.312793
Upk1a	1.801832	0.573274	0	0.820062
Upk1b	2.364632	0	0	0.294865
Upk2	0	0	0	0
Upk3a	0	0	0	0
Upk3b	1.53558	0.08169	0	0.278623
Upk3bl	0.236289	0	0	0
Upp1	14.15346	20.886266	20.118681	27.638508
Upp2	0.237377	0.085929	0.161774	0.051114
Uprt	1.988703	6.484893	3.432757	3.644062
Uqcc1	9.660822	12.94854	12.433129	10.81644
Uqcc2	328.506134	335.166687	487.863312	716.385315
Uqcc3	33.994205	26.57715	41.527466	49.112141
Uqcr10	355.750336	328.591461	546.449524	695.881897
Uqcr11	136.580856	214.859802	294.415649	322.202515
Uqcrb	66.867058	113.474716	151.111801	143.765869
Uqcrc1	62.270302	87.546158	88.778793	82.16098
Uqcrc2	52.177925	56.962227	83.806854	54.054913
Uqcrfs1	69.432716	69.822815	92.92366	70.053963
Uqcrh	708.406311	433.588074	663.911682	856.269958
Uqcrq	355.519592	360.691956	475.524017	606.957886
Urad	0	0	0	0

Urah	0.436566	0	0	6.217657
Urb1	3.690886	5.117282	3.348177	3.92469
Urb2	5.092006	8.048514	4.733288	4.632875
Urgcp	0.757252	10.965199	11.827021	11.610726
Uri1	8.957565	14.003925	11.434681	8.789977
Urm1	11.800508	20.466143	24.407518	21.751482
Uroc1	0.147395	0	0	0.42885
Urod	15.817661	22.316824	23.632792	26.774477
Uros	2.685636	8.161189	9.717326	10.745036
Usb1	20.626976	25.965759	22.375813	25.618908
Use1	210.423065	102.079395	154.120293	135.46611
Usf1	72.416027	53.291682	55.985108	62.367556
Usf2	42.996124	35.255966	33.009106	37.854126
Ush1c	0	0	0	0
Ush1g	0.062274	0	0	0.036471
Ush2a	0	0	0	0
Ushbp1	0.361533	1.408794	0.90876	0.687937
Usmg5	209.39473	221.918472	367.448578	413.40094
Uso1	25.104568	25.242785	23.205387	26.730106
Usp1	6.254312	15.158819	14.976156	9.416298
Usp10	23.914026	35.173695	24.605591	20.682268
Usp11	3.998857	8.224134	7.692376	4.662018
Usp12	9.640306	11.529552	8.929505	13.312298
Usp13	0.881524	0.583223	0	0.407104
Usp14	8.47876	10.852174	9.828126	8.017994
Usp15	3.95618	4.27867	4.629454	3.022184
Usp16	10.987823	14.178155	10.871536	12.914845
Usp17la	0.074827	0.191562	0.065061	0.186247
Usp17lb	0	0	0	0.204227
Usp17lc	0	0	0	0
Usp17ld	0	0	0	0
Usp17le	0	0	0	0.135691
Usp18	0	0.625771	0.137243	3.093895
Usp19	30.489217	29.859135	21.714649	23.256329
Usp2	0.280226	1.378671	0.585348	1.42906
Usp20	8.239321	8.959685	8.286178	7.094254
Usp21	22.125956	20.43734	17.383902	16.965919
Usp22	56.785454	45.765808	37.732552	28.261778
Usp24	6.684329	6.82962	5.038852	4.548122
Usp25	9.39799	10.816022	6.876764	8.129403
Usp26	0	0	0	0
Usp27x	1.42973	2.30495	1.879903	1.538267
Usp28	4.772702	7.878219	6.999753	4.831341
Usp29	0	0	0	0
Usp3	11.133373	6.63628	7.710766	7.106869
Usp30	15.329234	10.339453	10.253477	9.324656
Usp31	3.172831	4.214854	2.810624	3.173528
Usp32	6.530847	6.252388	5.343248	5.173377
Usp33	12.408203	15.408972	15.521846	11.63166

Usp34	8.930764	8.083652	6.420965	6.990987
Usp35	3.479163	2.662794	2.263007	3.40893
Usp36	17.972073	17.771482	12.827067	13.170771
Usp37	2.254946	4.281481	3.888891	3.919631
Usp38	4.271879	7.067765	5.997658	6.001529
Usp39	27.382324	25.269388	17.562405	17.612091
Usp4	19.086735	25.536869	17.097527	21.102365
Usp40	2.660221	4.777255	5.890809	4.386823
Usp42	5.998489	6.371655	5.016865	4.999013
Usp43	1.085557	0.331925	0.406265	0.764831
Usp44	0	0	0	0
Usp45	2.604722	3.816533	4.64592	3.702327
Usp46	4.406353	6.54215	5.194541	4.236472
Usp47	19.40888	22.056224	15.137327	16.565605
Usp48	17.445293	14.812082	13.923914	13.636912
Usp49	2.183744	1.704117	1.366995	1.60218
Usp5	39.334618	43.755924	37.328381	35.16993
Usp50	0	0	0.055214	0
Usp51	0	0	0	0
Usp53	6.210855	3.985109	3.879644	2.841752
Usp54	4.067693	4.197351	4.471631	2.130505
Usp6nl	7.8532	10.372309	8.78845	6.678832
Usp7	26.760363	30.076164	24.231176	23.604424
Usp8	12.371978	17.799446	13.690571	13.400679
Usp9x	5.819303	10.772766	7.263144	7.193598
Usp9y	0	0	0	0
Uspl1	10.038092	14.495962	8.953731	3.605691
Ust	0.34162	0.69579	0.102683	0.459938
Utf1	0	0	0	0
Utp11l	62.419899	83.593224	106.637894	70.209473
Utp14a	16.987743	20.242449	18.914791	17.501087
Utp14b	0.319831	1.096808	0.716448	0.592663
Utp15	9.582016	12.173555	10.071088	7.652788
Utp18	18.814278	21.905584	14.334463	17.141844
Utp20	3.661925	7.326646	5.210456	3.52236
Utp23	2.555911	3.471492	3.561436	3.962507
Utp3	36.935658	39.930962	38.559738	36.682697
Utp6	16.000628	21.104582	18.136662	16.601395
Utrn	14.939922	8.471645	8.74247	6.756469
Uts2	0	0	0	0
Uts2b	0	0	0	0.694203
Uts2r	0	0.099657	0	0.085889
Uty	0.037535	0	0	0
Uvrag	5.41616	8.737306	8.052473	7.561879
Uvssa	2.753828	2.230514	2.976691	2.643087
Uxs1	31.041914	49.269611	53.731941	42.64782
Uxt	7.249569	15.120065	17.76712	18.08889
V1ra8	0.058993	0.248512	0	0.033628
V1rd18	0	0	0	0

V1rd19	0	0	0	0
Vac14	10.245659	13.940363	11.279791	10.767833
Vamp1	1.30301	2.520438	2.333756	2.701717
Vamp2	37.145027	27.644869	28.223175	38.664433
Vamp3	21.543612	32.827129	37.760296	44.853287
Vamp4	11.734485	9.258598	11.543775	13.183455
Vamp5	31.830651	19.715315	20.351287	39.321599
Vamp7	3.987389	10.813102	15.612015	12.578763
Vamp8	141.098709	83.342575	105.506973	142.613235
Vangl1	4.513577	7.954278	5.705773	5.423988
Vangl2	7.878091	9.068001	5.828196	5.045489
Vapa	183.719238	101.593132	92.071312	111.020401
Vapb	13.758605	17.560377	14.833549	17.423599
Vars	45.291004	62.888931	56.730053	31.681248
Vars2	8.656598	12.072648	11.082971	7.99836
Vash1	1.076757	4.876377	3.756668	8.311695
Vash2	1.822945	5.897219	4.770226	3.09604
Vasn	49.895832	66.490166	39.205074	84.668137
Vasp	67.463379	77.835897	90.371	106.02989
Vat1	67.602646	45.965576	37.655697	72.713913
Vat1l	0	0.08095	0	0
Vaultrc5	0.833085	0.245964	0.57092	0.672966
Vav1	2.40352	6.786013	6.523309	9.093268
Vav2	6.060778	5.648011	4.679742	6.494629
Vav3	0.181317	1.381894	1.326418	0.310341
Vax1	0	0	0	0
Vax2	0	0	0	0.347782
Vax2os	0	0	0	0.05481
Vbp1	22.878286	25.143684	37.637852	29.29888
Vcam1	9.412084	25.016602	34.430443	19.313837
Vcan	14.153033	9.335953	12.017525	8.018556
Vcl	48.175621	56.565636	47.236675	33.134972
Vcp	61.551914	73.002472	54.437271	61.448036
Vcpip1	2.736146	4.268312	3.762967	3.75294
Vcpkmt	25.840227	31.154676	41.201385	41.816807
Vdac1	269.548187	210.1922	203.697525	198.313293
Vdac2	110.417953	116.997498	114.371979	121.157562
Vdac3	43.820414	60.252632	66.288387	54.350697
Vdr	3.878747	4.210139	3.591707	7.169428
Vegfa	283.47657	190.79485	67.472715	174.715733
Vegfb	31.766421	33.779997	34.625271	24.399371
Vegfc	2.960494	1.207526	0.078187	3.303356
Veph1	0	0	0	0.045128
Vezf1	19.539967	17.102797	14.884898	10.917316
Vezt	1.791382	3.311412	3.970591	3.077555
Vgf	0.328162	0	0.038575	0.090941
Vgll1	0	0	0	0
Vgll2	0	0.890653	0	0
Vgll3	1.398772	0.433121	0.206763	1.26321

Vgll4	10.998392	14.205164	12.484003	12.254889
Vhl	11.465468	10.652585	15.342285	14.739035
Vil1	0	0	0	0.101384
Vill	15.511678	9.326479	7.149794	10.166819
Vim	2519.480469	2190.102783	1785.421143	1225.712158
Vimp	51.340515	40.585365	40.384357	64.779129
Vip	0	0	0	0
Vipas39	11.154349	18.204378	15.9906	12.898111
Vipr1	0.210266	0	0.079826	0.318595
Vipr2	0	0.050137	0.071766	0.067217
Vit	0	0	0	0
Vkorc1	52.070751	49.927597	50.477688	81.58345
Vkorc1l1	7.879259	9.572736	4.842785	8.992816
Vldlr	13.499739	5.346937	4.352168	7.415085
Vma21	3.517459	6.392262	5.293436	5.076027
Vmac	3.310381	3.11613	2.847558	5.539123
Vmn1r-ps103	0	0	0	0
Vmn1r-ps79	0.043164	0	0	0
Vmn1r1	0	0	0	0
Vmn1r10	0	0	0	0
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Vmn1r43	1.157037	0.783749	1.426124	0.384422
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Vmn2r-ps11	0	0	0	0
Vmn2r-ps129	0.019804	0.010766	0.002915	0.010309
Vmn2r-ps159	0	0	0	0
Vmn2r-ps54	0	0	0	0
Vmn2r-ps60	0	0	0	0
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Vmo1	0	0	0	0.772759
Vmp1	76.463966	119.029556	126.014084	107.11042
Vnn1	0.587978	1.112235	0.992717	1.309178
Vnn3	0.243825	0	0	0.63759
Vopp1	14.648532	15.483331	14.339164	14.746139
Vprbp	4.419113	8.319167	6.48196	5.798758
Vpreb1	0	0.220983	0.446254	0.376878
Vpreb2	0	0	0	0
Vpreb3	0	0	0	0
Vps11	27.73279	19.122263	15.701432	16.617502
Vps13a	1.85806	3.09294	3.24381	1.555041
Vps13b	1.544453	2.147494	2.610075	1.868322
Vps13c	2.279636	3.162725	3.52805	2.62348
Vps13d	3.419752	1.978061	2.718116	3.516742
Vps16	24.337812	22.159328	18.525124	15.023429
Vps18	9.755841	9.822608	9.105162	9.929806
Vps25	48.389829	49.26059	45.511141	45.673791
Vps26a	16.375906	8.395672	9.031613	6.026103
Vps26b	8.141674	10.174999	9.81766	9.576092
Vps28	54.924274	52.294249	56.989063	71.849076
Vps29	59.691353	91.855698	127.317635	112.444099
Vps33a	5.993599	10.528935	8.310301	8.078059
Vps33b	3.072822	5.056871	4.823769	3.266518
Vps35	44.373894	44.686058	57.339096	41.51144
Vps36	33.443832	33.971844	39.426361	36.290787
Vps37a	6.266764	5.888907	4.636095	5.297207
Vps37b	34.56115	27.433245	26.022629	20.380783
Vps37c	19.518806	10.87958	9.718139	11.81456
Vps37d	6.424498	2.699982	3.394624	1.364776
Vps39	11.919223	5.149754	5.388861	8.661426
Vps41	10.055484	14.612394	13.072417	12.753311
Vps45	2.905317	6.444409	8.501247	7.049484
Vps4a	25.852871	21.725191	18.375383	22.478474
Vps4b	15.854409	17.852777	17.75013	16.254732
Vps51	16.653414	15.096981	14.517369	13.765965
Vps52	14.494207	18.110119	13.203192	15.143445
Vps53	8.359685	12.468385	9.179333	9.102522
Vps54	5.13298	6.519643	5.436251	6.023713

Vps72	99.432503	68.880638	62.474014	44.170856
Vps8	3.3483	4.790761	4.036356	5.147242
Vps9d1	9.096786	12.766608	9.545721	11.482229
Vrk1	8.181592	12.761405	13.785985	10.032623
Vrk2	5.935883	7.757743	10.316473	5.577699
Vrk3	6.89035	12.336645	12.475531	15.685389
Vrtn	0	0	0	0
Vsig1	0	0	0	0
Vsig10	2.717046	3.698385	4.242036	2.468651
Vsig10l	0.315872	0.233484	0.157131	0.332222
Vsig2	0.740348	0.651784	1.658721	0.602593
Vsig4	0.484468	0.709517	5.170391	13.499665
Vsig8	0.192604	0	0.054683	0.128054
Vsnl1	0	0	0.100383	0
Vstm2a	0	0	0	0.063977
Vstm2b	0	0	0	0.155846
Vstm2l	0	0	0	0
Vstm4	0.216788	0.643676	0.422466	1.798362
Vstm5	0.653132	0.106169	0.742095	0.720578
Vsx1	0	0	0	0
Vsx2	0	0	0	0
Vta1	19.582813	21.583082	22.883387	23.158045
Vtcn1	0	0	0.056341	0.264464
Vti1a	3.879196	5.192637	4.349054	4.791397
Vti1b	57.597347	64.269661	84.176483	101.973778
Vtn	1.598607	2.21651	0	47.483528
Vwa1	9.016756	6.537801	8.087576	4.478578
Vwa2	0	0	0	0
Vwa3a	0	0	0	0
Vwa5a	6.171229	8.801128	10.621712	6.259766
Vwa5b1	0	0	0	0
Vwa5b2	0	0	0.010877	0.012821
Vwa7	0.206357	0.078568	0.234459	0.156828
Vwa8	9.25435	12.686061	17.975982	7.577387
Vwa9	8.22937	9.132527	8.464515	8.157963
Vwc2	0	0	0	0
Vwc2l	0	0	0	0
Vwce	0	0	0	0.081982
Vwde	0	0	0	0
Vwf	1.233008	0.928422	1.171765	0.891659
Wac	10.663582	12.08132	9.927047	8.957594
Wap	0	0	0	0
Wapal	7.982756	10.976487	8.820706	6.901814
Wars	20.654717	33.651081	24.456957	27.525876
Wars2	2.217064	4.109831	5.194331	2.500395
Was	2.947979	6.287354	7.757727	7.748499
Wasf1	4.838541	7.667358	5.25658	4.896883
Wasf2	29.582029	28.768284	21.456245	18.751245
Wasf3	0	0	0	0

Wash1	24.019133	15.650787	11.162253	12.785705
Wasl	15.408795	12.14075	8.184238	7.645948
Wbp1	18.895922	23.931445	23.213417	21.365612
Wbp11	39.000706	35.32877	26.569717	23.152361
Wbp1l	30.47998	19.784256	25.139804	20.564273
Wbp2	76.486069	52.428768	41.413971	50.554482
Wbp2nl	0	0	0	0
Wbp4	17.191608	13.07009	11.360235	11.363737
Wbp5	156.000885	143.447174	175.984207	173.040558
Wbscr16	9.422873	10.128424	10.801936	10.298041
Wbscr17	0.259502	0.562751	0	0.096831
Wbscr22	13.967131	19.664467	21.352053	20.90325
Wbscr25	0.167171	0	0	0
Wbscr27	2.173807	2.434862	2.955023	1.807762
Wbscr28	0	0	0	0
Wdfy1	20.984312	7.892815	9.645855	8.570414
Wdfy2	2.185068	4.327374	2.637388	3.170596
Wdfy3	4.217107	5.128694	4.406307	4.694887
Wdfy4	0.985877	2.449337	2.590508	2.759849
Wdhd1	2.047189	6.144148	5.813723	2.952098
Wdpcp	0.38026	1.942382	2.185748	0.918149
Wdr1	43.311382	81.249275	55.609432	71.642067
Wdr11	7.045189	8.870701	7.793339	7.198739
Wdr12	6.968501	16.938616	15.313205	11.68393
Wdr13	3.775986	10.667637	7.738098	7.171561
Wdr17	0	0	0	0
Wdr18	10.413647	17.392843	14.824555	15.287229
Wdr19	2.117673	2.811828	2.428652	2.288516
Wdr20	6.603549	9.150311	8.651844	8.015094
Wdr20rt	0	0	0	0
Wdr24	8.652499	11.130707	10.603013	10.660192
Wdr25	3.441197	2.842072	1.937796	2.349404
Wdr26	21.503155	27.09696	22.733118	24.676411
Wdr27	0	0	0	0
Wdr3	14.630434	26.731894	23.410524	17.062048
Wdr31	0.734423	0.945084	1.033073	0.246172
Wdr33	10.066437	17.495799	13.627884	10.908688
Wdr34	9.710416	12.033439	10.572219	8.13613
Wdr35	2.012405	4.995368	4.799137	2.745814
Wdr36	14.112534	21.171183	18.967896	15.528627
Wdr37	3.640246	3.89555	4.861497	3.851679
Wdr38	0	0	0	0
Wdr4	7.380657	10.908606	9.797729	10.466696
Wdr41	3.803729	7.341507	7.911611	6.587082
Wdr43	43.442024	55.88166	39.888157	38.998714
Wdr44	0.619528	1.218364	1.50761	1.485423
Wdr45	30.069038	28.10437	29.336933	30.446438
Wdr45b	44.343525	35.541496	34.14912	36.198982
Wdr46	15.238293	27.833614	18.973576	15.264714

Wdr47	2.056641	2.697038	2.420886	2.295852
Wdr48	12.071488	16.859524	15.906583	14.278327
Wdr5	28.013556	29.478018	24.136351	24.776346
Wdr53	6.461823	6.635013	7.445833	11.857147
Wdr54	1.451295	0.73137	1.599679	1.294942
Wdr55	14.080708	26.522257	21.476622	22.702246
Wdr59	4.206991	6.423105	5.675288	4.802285
Wdr5b	0.964248	1.3517	1.706314	1.615891
Wdr6	12.872827	15.570912	13.742381	9.1241
Wdr60	12.068959	10.363534	12.246165	9.779428
Wdr61	17.658153	47.346917	43.335285	37.184477
Wdr62	0.827505	2.73605	2.109478	1.86211
Wdr63	0	0	0	0
Wdr64	0	0	0	0
Wdr7	1.299262	2.593123	1.583737	1.45473
Wdr70	18.929344	16.49983	12.83416	12.474861
Wdr72	0	0.089227	0.056622	0.066742
Wdr73	5.6486	9.58875	10.236959	8.075911
Wdr74	44.428085	49.299183	41.188084	43.430283
Wdr75	14.167209	23.846983	18.344656	15.555841
Wdr76	0.987397	2.252207	3.036479	1.95142
Wdr77	12.018683	31.030497	27.394972	20.970417
Wdr78	0.182556	0.232223	0.155787	0.321358
Wdr8	7.327825	9.906422	8.421992	8.496574
Wdr81	7.637805	7.243378	5.852382	7.757367
Wdr82	12.675514	22.533344	17.351967	19.350466
Wdr83	11.744543	17.401995	15.03674	17.153236
Wdr83os	63.662502	54.257347	58.13306	55.797607
Wdr86	0	0	0	0
Wdr89	1.19961	2.643641	3.218938	1.725909
Wdr90	1.238017	2.600182	3.735399	1.414027
Wdr91	13.326697	9.29268	9.16641	9.189788
Wdr92	5.305705	7.52927	7.971836	6.695085
Wdr93	0	0	0	0.227262
Wdr95	0	0	0	0
Wdsub1	5.583282	7.284199	6.680091	6.986274
Wdtc1	12.157132	12.148024	7.675356	9.545598
Wdyhv1	5.029806	10.533283	12.932299	12.804602
Wee1	4.190437	6.309465	6.268886	4.302746
Wee2	0	0	0	0
Wfdc1	0	0	0	0.099304
Wfdc10	0	0	0	0
Wfdc11	0	0	0	0
Wfdc12	0	0	0	0.16012
Wfdc13	0	0	0	0
Wfdc15a	0	0	0	0
Wfdc15b	0	0	0	0
Wfdc16	0	0	0	0
Wfdc17	27.52775	26.846857	115.052979	211.137421

Wfdc18	0	0	0	2.885094
Wfdc2	2.423456	0	9.114837	4.104569
Wfdc21	20.393391	5.316195	15.670442	117.662704
Wfdc3	0	0	0	1.493081
Wfdc5	0	0	0	0
Wfdc6a	0	0	0	0
Wfdc6b	0	0	0	0
Wfdc8	0.076591	0.133556	0.030443	0
Wfdc9	0	0	0	0
Wfikkn1	0.715174	0.640142	0.239741	0.68191
Wfikkn2	0.072851	0.062542	0	0.18321
Wfs1	10.592692	8.880288	7.282559	9.237313
Whamm	10.800948	4.237786	4.00299	3.833404
Whrn	2.271182	2.017132	0.916435	1.571342
Whsc1	6.744037	20.506459	16.602743	11.539574
Whsc1l1	22.8058	18.821189	13.46	15.639142
Wibg	17.332013	16.883283	22.211019	21.325603
Wif1	0	0	0	0
Wipf1	7.740874	15.221761	14.136296	8.506244
Wipf2	6.210309	5.962584	4.507947	4.839569
Wipf3	0.350321	0.090563	0	0.330072
Wipi1	52.388519	40.455334	29.839954	32.934864
Wipi2	21.938164	29.897978	23.503622	23.804832
Wisp1	1.741928	8.374692	4.159461	6.373846
Wisp2	2.178049	5.512478	2.000744	8.72361
Wisp3	0	0	0.254476	0
Wiz	28.974874	21.452241	14.544415	13.438707
Wls	31.978037	60.564665	65.177706	41.398623
Wnk1	29.984881	30.254742	32.485585	25.49813
Wnk2	0	0	0	0
Wnk3	0	0	0	0.044648
Wnk4	3.068298	1.845923	1.051525	2.224583
Wnt1	0.209001	0.214739	0	0.073442
Wnt10a	0.148587	2.430737	1.464225	1.035565
Wnt10b	105.404503	46.823093	65.671684	40.573505
Wnt11	2.115098	3.00979	0.732151	3.120355
Wnt16	0	0	0	0
Wnt2	0.349574	0.319102	0	0.541189
Wnt2b	0.303731	0.155323	0.220322	0.606773
Wnt3	0	0	0	0
Wnt3a	0	0	0	0
Wnt4	2.003598	0.099737	0.42179	10.083514
Wnt5a	3.312159	2.569961	2.184554	2.799725
Wnt5b	0.229901	0.713024	0.205468	0.384834
Wnt6	0	0	0.166679	0.302379
Wnt7a	0.109219	0	0	0.073102
Wnt7b	7.14531	1.400381	0.839582	2.916227
Wnt8a	0	0	0	0
Wnt8b	0	0	0	0.051579

Wnt9a	1.383375	2.701906	2.151522	1.378252
Wnt9b	0	0	0	0.025517
Wrap53	6.167331	7.414599	6.400744	5.567178
Wrb	4.648819	20.476561	20.048676	13.64084
Wrn	1.679257	3.10961	2.932897	1.962389
Wrnip1	14.240543	17.97438	13.351329	14.542613
Wsb1	120.121898	34.804146	42.110728	63.95158
Wsb2	29.222328	30.525133	27.559927	40.428917
Wscd1	0.144307	0.664411	0.554235	0.631093
Wscd2	0.039009	0	0	0
Wt1	5.892395	1.730956	0.804984	4.164639
Wt1os	0	0	0.030145	0
Wtap	29.000425	35.241262	32.504368	32.54823
Wtip	9.282221	4.955454	4.579111	9.817188
Wwc1	5.731568	8.567506	6.782745	4.29234
Wwc2	17.159433	15.649269	10.245448	9.761644
Wwox	5.047513	3.194556	4.130975	2.3543
Wwp1	3.783842	4.634929	4.312131	4.452753
Wwp2	27.340269	34.773735	23.006321	29.769444
Wwtr1	34.627934	54.163488	40.137303	39.727917
Xab2	28.072985	23.95134	18.421711	21.023022
Xaf1	2.374106	2.399267	1.349607	5.604149
Xbp1	53.324475	59.433598	54.728908	85.063961
Xcl1	0	0	0	0
Xcr1	0	0.057169	0.033175	0.065173
Xdh	13.999719	8.813228	10.242813	15.26017
Xiap	6.381593	2.939852	3.414659	7.26865
Xirp1	0	0.674714	0	0
Xirp2	0	2.335564	0	0
Xist	23.483101	40.693171	98.135021	53.685086
Xk	0.39135	0.875101	0.799053	0.501305
Xkr4	0	0	0	0
Xkr5	0.397881	1.459271	1.177808	0.723847
Xkr6	0.19454	0.215628	0.248441	0.126022
Xkr7	0	0	0	0
Xkr8	1.086809	1.486243	1.284833	1.912864
Xkr9	0	0	0	0
Xkrx	0	0.112884	0.203547	0.114444
Xlr	0	0	0.796099	0.568593
Xlr3a	3.309195	3.981427	2.26244	2.65616
Xlr3b	3.962313	6.187621	5.555151	2.676807
Xlr3c	0	0	0	0
Xlr4a	0	0	0	0.494735
Xlr4b	0	0.216966	0	0.286406
Xlr4c	0	0	0.048316	0
Xlr5a	0	0	0	0
Xlr5b	0	0	0	0
Xlr5c	0	0	0	0
Xndc1	3.600606	5.829004	3.598636	4.571223

Xntrpc	0.23397	0.173766	0.952924	0.225196
Xpa	16.526903	11.826755	11.723508	9.216832
Xpc	8.053646	6.349446	5.525996	5.898797
Xpnpep1	43.234268	33.798088	24.066841	26.856178
Xpnpep2	0	0.091763	0.079874	0.062766
Xpnpep3	1.9056	2.918445	2.798256	2.134611
Xpo1	11.897606	22.441351	22.415936	16.021965
Xpo4	2.719667	4.656546	2.659414	2.008909
Xpo5	10.770998	19.801281	14.468338	11.178662
Xpo6	21.978882	22.520561	15.273667	14.400966
Xpo7	4.713987	6.475181	5.585146	3.975348
Xpot	14.5269	25.40329	19.127449	17.393908
Xpr1	4.068136	6.333065	5.370626	5.149729
Xrcc1	23.240107	25.262897	19.665953	17.535633
Xrcc2	1.303565	4.457268	5.233928	3.238991
Xrcc3	10.616739	10.911478	9.668666	9.537133
Xrcc4	3.742243	5.576358	5.082273	3.48485
Xrcc5	10.457302	18.13306	15.993446	11.165086
Xrcc6	16.867968	28.804205	26.266966	18.938292
Xrcc6bp1	6.493904	13.905158	14.992877	13.229115
Xrn1	2.742882	3.011316	3.208602	1.924598
Xrn2	39.28384	37.160595	30.886482	21.353346
Xrra1	0.150678	0	0.074864	0
Xxylt1	6.195415	15.832815	15.029915	8.99774
Xylb	1.249252	2.825041	2.284088	3.361667
Xylt1	0.322828	0.446511	0.479265	0.94886
Xylt2	17.06049	16.727329	17.187084	14.881397
Yae1d1	4.005581	10.292815	8.986585	9.89045
Yaf2	10.204722	10.144238	12.010634	21.288676
Yap1	17.552621	20.953176	18.419148	19.590041
Yars	18.540001	16.906765	12.162079	16.243509
Yars2	9.609398	20.889147	23.302074	15.29047
Ybey	0.625509	0.795157	1.178214	1.237154
Ybx1	332.742981	400.429321	422.935272	383.802216
Ybx2	0.140045	0	0	0.129892
Ybx3	369.869354	321.130974	156.631508	256.404473
Ydjc	3.533864	12.4055	11.253846	8.315003
Yeats2	8.326659	15.846741	14.852776	10.86832
Yeats4	23.320967	38.604195	44.653378	41.843403
Yes1	3.175205	3.706678	6.848744	4.264614
Yif1a	20.494345	30.124931	34.060963	34.926033
Yif1b	30.487247	28.286348	29.565429	29.923364
Yipf1	24.838066	23.084871	30.838366	26.815254
Yipf2	5.21704	9.512926	8.621217	8.262452
Yipf3	47.328667	38.42292	32.310699	40.68071
Yipf4	32.427128	24.270952	23.748117	29.988415
Yipf5	14.41915	22.214838	23.366432	28.847698
Yipf6	3.961154	3.921139	3.968546	3.961116
Yipf7	0	0.208837	0	0

Ykt6	32.601864	50.068512	40.431175	49.6698
Ylpm1	12.360598	15.858831	12.757223	11.251401
Yme1l1	12.792372	17.739656	20.287714	15.56321
Yod1	1.643951	1.587173	1.429604	1.102727
Ypel1	1.83024	2.969368	3.939226	1.93354
Ypel2	4.022158	1.912384	1.950654	3.376664
Ypel3	75.228477	49.738407	44.635738	65.240366
Ypel4	3.117995	0.196502	0.405456	2.399488
Ypel5	24.678867	17.442396	20.38418	24.193008
Yrdc	35.730457	33.665649	31.442099	37.503796
Ythdc1	38.688412	23.291842	20.87254	24.064886
Ythdc2	0.656107	1.600772	1.307135	0.852874
Ythdf1	22.968594	25.382713	16.037315	21.941631
Ythdf2	12.077976	16.542707	11.758306	13.246723
Ythdf3	9.25075	12.514075	11.552632	9.030982
Ywhab	48.796432	82.986275	64.605156	82.12101
Ywhae	267.69873	279.282898	275.544403	229.241486
Ywhag	100.545418	105.901627	65.457535	80.464119
Ywhah	62.358242	105.382523	85.984985	97.90229
Ywhaq	63.487724	83.664406	90.083923	74.53157
Ywhaz	123.707753	58.678481	43.294994	133.639045
Yy1	41.012123	46.409767	38.382347	38.375355
Yy2	1.341725	2.980784	3.246903	2.112037
Zadh2	12.082007	23.691231	22.514727	19.306057
Zak	6.82506	14.987671	10.33674	8.188732
Zan	0	0	0	0
Zap70	0	0	0.128157	0.066652
Zar1	0	0	0	0
Zar1l	0	0	0	0
Zbbx	0	0	0	0
Zbed3	6.316243	11.070358	9.728422	7.928622
Zbed4	0.490935	1.615378	1.218478	1.39216
Zbed5	2.580557	17.314081	22.699219	20.156862
Zbed6	5.704355	9.19452	10.33055	7.444506
Zbp1	1.073568	4.557272	1.799238	10.931374
Zbtb1	7.016218	12.177328	8.664847	11.786273
Zbtb10	3.388993	2.888782	1.858778	1.978238
Zbtb11	3.238349	5.36803	5.006762	4.248243
Zbtb11os1	2.170928	2.108468	0.590109	2.846394
Zbtb12	17.200027	13.441879	11.147036	10.298708
Zbtb14	3.30119	4.664917	3.79238	4.815615
Zbtb16	3.562764	0.107635	0.190394	0.157234
Zbtb17	10.73166	10.293325	8.366831	8.801281
Zbtb18	8.925275	8.94257	6.405514	9.117629
Zbtb2	3.570296	6.875125	4.594581	5.196378
Zbtb20	2.868312	2.264028	1.849856	2.826376
Zbtb21	4.264297	5.605093	4.136638	4.288721
Zbtb22	11.021542	10.106316	8.239265	10.619538
Zbtb24	5.00818	5.187559	4.444195	4.87674

Zbtb25	6.389357	10.163665	7.522141	6.217578
Zbtb26	1.134405	3.448975	3.183064	2.656012
Zbtb3	1.204999	2.037083	1.833978	2.420514
Zbtb32	0.067747	0.572729	0.712209	0.365657
Zbtb33	2.277828	3.217769	2.979634	2.667741
Zbtb34	1.880257	2.493568	2.156247	2.944969
Zbtb37	0.786129	1.303787	1.977036	1.418931
Zbtb38	5.182125	14.469413	8.763709	6.860832
Zbtb39	5.420033	2.568263	2.469879	3.304924
Zbtb4	4.6031	5.234044	3.088774	6.581902
Zbtb40	2.276837	4.286766	3.406778	2.628274
Zbtb41	2.456967	3.436415	2.562076	2.856739
Zbtb42	1.477222	1.554341	1.331237	2.103889
Zbtb43	4.996899	5.700023	5.303418	5.012112
Zbtb44	3.825004	4.025448	3.019229	3.954599
Zbtb45	3.954194	5.122386	3.600004	4.630708
Zbtb46	0.568919	1.210783	0.493587	0.547515
Zbtb48	5.196972	5.978409	4.1933	5.82693
Zbtb49	1.948016	2.724843	1.989644	2.767346
Zbtb5	2.175534	3.541946	3.182105	3.28884
Zbtb6	2.872941	3.906299	3.901426	4.384097
Zbtb7a	19.673126	17.11161	13.442508	20.526423
Zbtb7b	18.665497	22.5916	17.111244	21.982002
Zbtb7c	1.200197	1.41021	0.913896	1.617731
Zbtb8a	0.396315	0.399733	0.780269	2.070596
Zbtb8b	1.652811	0	0.068891	1.101317
Zbtb8os	9.390768	15.018942	15.516148	16.309
Zbtb9	4.050485	7.897286	5.468011	6.535711
Zc2hc1a	7.98843	6.723807	8.320955	4.678696
Zc2hc1b	0	0	0	0
Zc2hc1c	1.766496	1.034875	0.830943	0.741103
Zc3h10	4.163448	7.376262	5.116686	7.573139
Zc3h11a	48.659874	49.118067	45.402581	51.139142
Zc3h12a	14.22991	14.490131	9.947022	14.586772
Zc3h12b	0.367766	0.302612	0.608554	0.236343
Zc3h12c	1.343853	1.164697	1.771303	1.174072
Zc3h12d	0.08475	0.548026	0.275744	0.482158
Zc3h13	12.476922	9.063207	8.060604	10.294896
Zc3h14	58.377736	50.246325	45.522617	35.047364
Zc3h15	38.972515	44.398586	32.780529	39.326073
Zc3h18	20.015197	25.545103	16.245722	17.007127
Zc3h3	5.25114	4.590226	3.420389	3.752123
Zc3h4	8.917514	13.422683	9.364664	8.305697
Zc3h6	4.244976	1.360139	2.528339	1.274644
Zc3h7a	20.102345	20.27773	26.694894	25.009456
Zc3h7b	22.241734	25.927626	15.950065	15.073465
Zc3h8	6.238702	6.750342	6.933451	6.763695
Zc3hav1	9.388167	11.23307	7.105519	7.901008
Zc3hav1l	3.061671	3.410226	2.478057	2.552556

Zc3hc1	17.001007	18.926039	18.663473	13.570886
Zc4h2	1.25032	3.182776	3.699336	1.902853
Zcchc10	16.422394	17.049385	15.937325	15.555483
Zcchc11	2.437382	2.576473	1.627187	2.467144
Zcchc12	0	0	0	0
Zcchc13	0	0	0	0
Zcchc14	24.503101	29.847185	16.422356	21.772398
Zcchc16	0	0	0	0
Zcchc17	5.724545	17.339983	14.219987	17.755527
Zcchc18	0	0.076517	0	0.034893
Zcchc2	4.550293	5.415293	5.598287	6.771012
Zcchc24	44.542953	45.309708	36.005016	40.856487
Zcchc3	0.536342	0.109701	0.283962	0.956428
Zcchc4	5.096782	5.870951	8.266107	5.937972
Zcchc5	0	0.100781	0	0.059087
Zcchc6	7.298337	10.280875	7.424637	9.022918
Zcchc7	15.320483	10.158923	12.063953	12.684409
Zcchc8	10.159067	12.654003	10.157969	10.88393
Zcchc9	6.549863	14.029572	13.636212	13.256759
Zcrb1	77.93644	67.669685	70.255646	90.621597
Zcwpw1	4.456921	3.658273	3.660079	6.221202
Zdbf2	0	0	0	0
Zdhhc1	8.611264	12.589005	12.181479	11.026436
Zdhhc11	0	0	0	0
Zdhhc12	15.30392	24.878022	23.014664	21.63411
Zdhhc13	5.218002	13.362873	11.412427	10.385031
Zdhhc14	1.156848	1.603078	1.23033	2.487943
Zdhhc15	0.062977	0.046219	0	0.103553
Zdhhc16	17.19132	28.644873	26.196308	23.470621
Zdhhc17	7.014674	5.207999	6.306332	4.165455
Zdhhc18	9.855021	15.876651	12.45814	17.242144
Zdhhc19	0	0	0	0
Zdhhc2	0	1.084782	1.432967	0.914261
Zdhhc20	12.233138	19.015043	21.433594	17.344856
Zdhhc21	1.503414	3.069782	3.403055	2.718637
Zdhhc22	0.310339	0	0	0
Zdhhc23	0	0	0	0.176351
Zdhhc24	2.788083	5.670967	5.946929	6.743477
Zdhhc25	0	0	0	0
Zdhhc3	4.032988	8.104367	5.632141	4.890802
Zdhhc4	27.45974	17.055374	17.423655	18.130848
Zdhhc5	20.710922	24.69359	18.493668	24.510551
Zdhhc6	11.347455	27.720919	23.285558	21.661786
Zdhhc7	5.829716	11.596018	9.629356	11.043703
Zdhhc8	16.115154	19.864031	15.312101	14.773936
Zdhhc9	13.535654	17.184401	14.368199	14.809737
Zeb1	9.090679	13.875863	10.520528	9.939542
Zeb2	10.164766	8.179572	5.824225	10.957027
Zeb2os	4.051842	3.426906	5.767152	6.864488

Zer1	8.547688	7.4837	7.48021	6.228533
Zf12	0.058208	0.231027	0.230592	0.226052
Zfa-ps	0.354124	0.419904	0.350548	0.294629
Zfand1	9.930355	13.557488	20.603365	14.86556
Zfand2a	18.690217	15.986948	18.273675	15.913549
Zfand2b	18.260178	16.957261	15.543321	13.900158
Zfand3	48.563351	29.689253	20.922787	32.093052
Zfand4	0.762372	2.521888	4.268938	2.030174
Zfand5	14.3893	6.292678	7.057971	6.766506
Zfand6	15.671236	17.979105	21.186113	18.325357
Zfat	2.244145	1.694929	1.435003	1.42897
Zfc3h1	8.012177	10.831428	8.952348	7.771039
Zfhx2	0.518944	1.532692	1.291077	1.190584
Zfhx2os	0	0	0	0
Zfhx3	6.274129	6.176831	5.01702	4.196321
Zfhx4	1.601455	1.551204	1.952055	1.223956
Zfp1	13.136404	9.870093	8.349651	9.42343
Zfp101	0.540723	2.359608	2.744343	1.8309
Zfp105	0.286841	0.296127	0.195919	0.604376
Zfp106	19.514574	27.919321	19.728992	18.567156
Zfp108	0.354846	0.747248	0.910393	0.835022
Zfp109	0.144315	1.510198	0.8538	0.975691
Zfp11	0.984503	1.514696	1.414047	1.263305
Zfp110	4.320945	7.844489	7.095041	7.788173
Zfp111	0.919769	2.010093	1.555851	1.96801
Zfp112	1.281127	1.542939	1.241787	1.212835
Zfp113	1.320968	1.871564	1.78783	1.922439
Zfp114	0	0	0	0.114448
Zfp119a	0.2347	0.65044	1.0733	1.166428
Zfp119b	0.108843	0.645938	0.993143	1.059351
Zfp12	5.912388	6.390395	4.238705	5.044064
Zfp120	3.473309	3.103137	3.671181	4.504395
Zfp128	0.594702	1.376289	1.282283	1.113519
Zfp13	2.327481	2.198144	2.35272	2.408928
Zfp131	7.768168	13.109028	12.14508	12.991637
Zfp133-ps	0	0	0.091273	0.214457
Zfp14	0.405215	1.056848	0.661448	0.809159
Zfp141	1.40058	2.89723	2.487512	1.712627
Zfp142	2.949375	6.089766	4.577538	5.626736
Zfp143	5.404356	5.783161	6.07027	3.89524
Zfp146	18.907076	25.982458	23.002964	22.907379
Zfp148	3.967592	7.056393	5.917129	5.201147
Zfp157	1.364769	2.906821	3.033236	2.102793
Zfp160	2.721236	3.76012	4.662684	3.773911
Zfp169	1.303766	3.097745	2.616741	3.619289
Zfp174	0.465797	0.588982	0.538549	0.671634
Zfp180	3.802532	6.472512	6.290122	5.507225
Zfp182	0.199862	0.357	0.314361	0.646226
Zfp184	1.567518	2.970906	3.191701	1.724348

Zfp185	0.055726	0.202303	0	0.08072
Zfp189	1.282196	2.112668	2.191614	1.596842
Zfp191	4.66952	8.696098	6.802655	7.127872
Zfp2	1.341435	2.159148	2.160003	1.376082
Zfp202	0.828928	2.222804	1.59711	1.984165
Zfp207	36.614801	64.338722	60.427166	50.667528
Zfp212	11.987254	6.994131	6.767456	9.120044
Zfp213	1.369604	3.607628	2.57863	3.35505
Zfp217	9.643526	10.287401	9.900912	9.443346
Zfp219	14.978827	13.688857	13.706502	13.572142
Zfp229	0.458973	1.068887	1.400661	0.718168
Zfp235	0.813462	1.655281	1.600473	2.008116
Zfp236	4.641233	4.844018	3.029826	3.25172
Zfp239	1.136123	4.935598	4.452056	3.01251
Zfp248	1.488712	2.54287	2.686506	2.012341
Zfp251	2.841311	6.316049	3.992205	3.874855
Zfp26	1.148112	1.88799	1.972148	1.585178
Zfp260	6.646445	13.107032	12.920457	10.608671
Zfp263	13.85769	14.422045	13.182795	13.044766
Zfp266	3.393672	7.722737	5.472533	7.224679
Zfp27	2.028753	4.569183	2.932518	3.243869
Zfp273	0.286522	0.815387	0.451613	0
Zfp275	5.467485	5.843152	4.272864	3.781554
Zfp276	5.67489	9.14911	5.92203	10.062695
Zfp277	11.96907	13.784053	22.422737	16.467767
Zfp28	2.446394	1.859878	2.389577	1.56097
Zfp280b	3.444155	3.974067	3.550719	3.920524
Zfp280c	3.365645	5.116086	5.713813	3.873826
Zfp280d	3.357159	4.690098	4.486151	3.307755
Zfp281	8.191116	9.328974	8.214223	6.170428
Zfp282	4.821464	6.649483	4.645261	4.493901
Zfp286	0.098691	0.169376	0.420551	0.169148
Zfp287	0.517287	1.778951	1.122595	1.253578
Zfp292	4.550593	3.914151	4.242651	3.070123
Zfp296	3.415718	3.098874	1.711341	2.434266
Zfp3	0.705066	0.402178	1.177338	0.871127
Zfp30	0.856316	0.76059	1.040895	0.993643
Zfp300	0	0.045423	0	0.061972
Zfp316	3.305305	2.761945	2.174635	2.439621
Zfp317	6.708691	10.00287	8.237555	7.115654
Zfp318	0.53556	0.867965	2.000475	1.867529
Zfp319	5.03288	4.631114	3.199979	4.640638
Zfp322a	0.429336	2.376436	1.966014	4.271198
Zfp324	1.006258	1.563406	1.516357	2.149762
Zfp326	14.94943	9.779897	9.154277	7.713532
Zfp329	1.563283	2.898218	3.001076	2.651852
Zfp330	34.812664	24.911898	23.604687	23.90357
Zfp334	4.49286	5.864953	4.341436	4.16548
Zfp335	11.086191	12.572294	9.639974	7.854094

Zfp341	2.264572	1.973464	1.781732	1.652882
Zfp345	0	0	0	0
Zfp346	7.35505	8.279103	8.743151	8.125095
Zfp35	2.5124	7.300982	7.332318	6.217059
Zfp352	0	0	0	0
Zfp354a	0.353299	0.956167	1.146735	0.879942
Zfp354b	0	0.335824	0.38422	0.452741
Zfp354c	1.143184	2.426778	2.399553	1.559646
Zfp358	20.85556	16.543493	14.056705	14.840611
Zfp36	74.535477	40.981022	34.986156	33.031738
Zfp362	10.613053	9.85589	6.272513	9.164551
Zfp365	1.046726	1.524128	1.445951	1.232767
Zfp366	0	0.107687	0.089271	0.098773
Zfp367	2.20019	3.886106	4.622805	3.266835
Zfp369	1.985987	3.465291	3.062867	2.306575
Zfp36l1	68.124268	50.080128	41.403942	37.263653
Zfp36l2	152.246613	108.245712	68.064041	76.827133
Zfp36l3	0	0	0	0
Zfp37	0.404846	1.876236	1.936047	1.328381
Zfp382	1.047132	3.083457	3.278597	2.872434
Zfp383	1.57262	1.68614	2.274146	1.741004
Zfp384	18.506219	21.264753	15.328579	17.747062
Zfp385a	8.529583	13.114967	9.067429	15.806093
Zfp385b	0.092711	0.07938	0.076158	0.271484
Zfp385c	0	0.030983	0.024079	0.183294
Zfp386	3.17069	6.478362	8.542963	5.112028
Zfp389	0	0.225924	0	0
Zfp39	0.824856	1.375306	1.08498	1.008895
Zfp395	28.941793	11.638946	14.446441	10.544054
Zfp397	2.833663	7.508902	5.700898	5.393854
Zfp398	1.196994	1.459187	1.68534	1.497833
Zfp40	0.315054	0.352828	0.503484	0.347207
Zfp407	1.701412	2.883886	2.609169	1.488858
Zfp408	6.650331	6.716937	5.542802	5.628442
Zfp41	0.91236	1.938643	1.336795	1.231404
Zfp410	19.644074	20.439652	21.4495	18.874102
Zfp414	16.554074	15.065892	18.073433	15.626305
Zfp418	0.128474	0.344878	0.509197	0.49387
Zfp42	0	0	0	0
Zfp420	0.965519	2.108969	2.106144	1.603068
Zfp422	0.876379	1.043119	1.126984	1.685553
Zfp423	0.060592	0.267699	0.070245	0.550822
Zfp426	1.99782	3.331756	3.760808	3.146991
Zfp428	8.470978	10.57047	8.857609	8.666612
Zfp429	0.506597	1.364738	2.268845	1.810457
Zfp433	0.605108	0.266722	1.385821	0.880172
Zfp438	0.409117	1.342281	0.731032	0.732671
Zfp442	0.486315	0.62393	0.675045	0.392674
Zfp444	2.882981	5.130773	3.624518	4.468549

Zfp445	6.460016	8.054843	8.50423	7.262916
Zfp446	0.187971	1.170123	0.848919	0.796117
Zfp449	0.67557	1.612552	1.765574	1.097784
Zfp451	6.749437	14.607641	10.316462	9.774214
Zfp454	0.21692	0.330186	0.167652	0.562742
Zfp455	0.252765	0.164271	0.373116	0.401476
Zfp456	0.135574	0.224124	0.257908	0.375334
Zfp457	0	0.139825	0.116356	0
Zfp458	0	0.404825	0.126493	0.097976
Zfp459	0.028175	0.076448	0.10292	0.098773
Zfp46	2.626931	3.427306	2.956279	3.714004
Zfp462	3.005922	4.171358	3.495148	2.18978
Zfp467	0.584591	2.306026	1.868232	2.768833
Zfp472	0.381393	2.625249	2.375632	2.219405
Zfp473	0	0.170439	0.357538	0.25391
Zfp474	0	0	0	0
Zfp488	0	0	0	0
Zfp493	0.514725	0.504944	0.478472	0.537031
Zfp503	0.847663	0.917529	0.490743	0.953933
Zfp507	4.372619	5.743597	4.496781	3.653519
Zfp51	1.835197	1.706681	2.708731	1.80439
Zfp511	17.222382	22.546867	17.775845	18.078081
Zfp512	10.738687	11.103913	10.885875	8.694392
Zfp513	13.829101	17.281848	12.379256	16.12394
Zfp516	9.052788	8.522876	8.397848	7.370235
Zfp518a	0.25772	0.451333	0.368498	0.735894
Zfp518b	0.644401	1.222269	0.938323	1.001855
Zfp52	1.742136	1.676464	3.081539	1.394947
Zfp521	0.096676	0.184955	0.09201	0.018873
Zfp523	8.310134	12.004658	10.207389	10.09744
Zfp524	12.283457	7.337433	9.108624	11.925231
Zfp526	2.182631	2.365667	2.257602	2.02482
Zfp53	2.06972	3.523654	3.876121	3.770521
Zfp532	6.557858	8.66888	5.75784	6.721231
Zfp534	0	0	0	0
Zfp536	0	0	0	0
Zfp54	0.448385	0.843222	1.798543	1.11743
Zfp541	0	0	0	0
Zfp551	0.287974	0.381345	0.65234	0.513731
Zfp553	8.37111	9.372466	6.208708	6.838019
Zfp558	0.167001	0.147913	0.331858	0.296806
Zfp560	2.312924	2.339986	2.153761	2.65428
Zfp563	0.347443	0.752842	0.848525	0.895812
Zfp566	4.695894	7.498432	5.92066	6.089745
Zfp568	2.519033	3.852833	3.55041	4.548425
Zfp57	11.777362	14.178976	18.612847	9.559391
Zfp572	0	0	0	0
Zfp574	6.099288	3.993947	3.181449	4.681388
Zfp575	0	0	0.088627	0.105598

Zfp579	8.771046	11.121286	8.981976	7.746994
Zfp58	1.114945	1.480842	1.871982	1.708246
Zfp580	9.679404	4.164338	3.970922	6.649875
Zfp583	0	0.336361	0.149833	0.314883
Zfp59	0.599454	1.187843	1.949001	1.691529
Zfp592	6.146394	6.068429	4.37522	5.620084
Zfp593	11.429043	10.094007	11.453425	11.643129
Zfp595	0	0.745462	0.927142	0.527621
Zfp597	1.831363	2.498301	2.274745	3.0276
Zfp598	26.546686	32.789673	19.949802	20.776577
Zfp599	0.959194	1.437403	1.122247	0.741163
Zfp60	0.873938	1.793826	2.433889	2.509709
Zfp600	0	0	0	0
Zfp605	2.006019	4.260897	4.862123	3.800691
Zfp606	1.336078	2.773422	3.891246	2.245617
Zfp607	0.607368	1.323316	1.405882	1.18459
Zfp608	5.111301	6.41051	4.783139	4.58162
Zfp609	10.799022	10.447983	7.101451	7.15356
Zfp61	3.382301	5.09235	5.225884	4.084878
Zfp612	0.131282	0	0	0.081938
Zfp616	0	0	0	0
Zfp617	2.547329	5.593392	5.981017	6.817238
Zfp618	0	0.073969	0.171694	0.263097
Zfp619	0.172824	0.463843	0.32927	0.313071
Zfp62	2.494075	6.726927	6.058645	3.794028
Zfp622	17.436188	11.265408	7.646097	11.444107
Zfp623	5.970155	8.531503	5.538747	7.249732
Zfp626	1.630915	2.758178	2.767182	2.925793
Zfp628	5.13616	4.618527	2.945008	3.876582
Zfp629	6.129567	4.726974	3.610651	4.536597
Zfp637	24.805044	30.648092	32.695259	28.567102
Zfp638	4.832888	10.409821	10.14675	7.56396
Zfp639	17.051933	22.611065	28.197863	19.226763
Zfp64	7.801949	11.725539	10.421688	8.367122
Zfp641	0	0.092412	0	0.063211
Zfp644	2.783859	4.416598	3.50431	3.391623
Zfp646	3.451358	4.980953	3.766411	4.090706
Zfp647	3.783772	4.644404	3.70935	3.527719
Zfp648	0	0	0	0
Zfp65	0.739767	1.444865	1.290297	1.121936
Zfp651	6.744921	5.034734	3.086223	5.571598
Zfp652	5.981583	7.653184	5.467166	5.436687
Zfp652os	0	0.869119	0.63944	0.967028
Zfp653	6.179384	6.594044	5.783027	5.482761
Zfp654	1.370877	1.920132	1.934873	1.792146
Zfp655	9.581885	9.634232	9.847949	10.034837
Zfp658	1.145565	3.600402	3.81428	3.740333
Zfp661	2.196187	3.252893	3.336115	2.596918
Zfp663	0	0	0	0

Zfp664	13.947433	21.821808	18.53125	17.319244
Zfp667	0.424583	0.925397	1.165743	0.940973
Zfp668	1.677749	4.253619	3.319126	3.161126
Zfp672	1.273482	3.435734	6.912001	9.368887
Zfp677	0.170172	0.61346	0.763502	0.31396
Zfp68	7.145959	8.296871	9.684477	8.589592
Zfp687	9.242887	11.261784	10.555861	8.616906
Zfp688	9.621344	7.228346	10.971189	6.396182
Zfp689	0.900096	1.385222	1.242038	1.557226
Zfp69	1.40197	1.829543	1.634729	1.657659
Zfp691	4.341699	4.891008	5.438669	5.594992
Zfp692	12.984944	19.084084	19.977806	11.268965
Zfp697	2.010956	2.298145	1.904195	2.44956
Zfp7	5.103649	11.552735	9.216004	6.945387
Zfp703	27.150719	22.78391	10.145373	25.372083
Zfp704	1.38683	1.736412	0.844681	2.232553
Zfp706	23.748287	31.559807	24.797796	28.481581
Zfp707	5.193239	6.030814	5.43122	6.394833
Zfp708	0	0.110335	0.316025	0.268545
Zfp709	0.036734	0.138192	0.431429	0.47009
Zfp710	6.260038	10.717022	7.432903	11.058414
Zfp711	0	0	0	0
Zfp712	0	0.074812	0.247904	0.189676
Zfp715	1.770231	3.815249	3.750241	4.558686
Zfp719	0.75223	2.052695	2.460414	2.71388
Zfp72	0.21294	0.104184	0.831478	0.318781
Zfp729a	0.241121	1.167629	0.999521	0.954214
Zfp729b	0.468792	0.913669	1.190495	0.973725
Zfp735	0	0	0	0
Zfp738	0.417022	1.065865	1.817511	0.735487
Zfp74	1.74519	2.408393	2.494777	1.722731
Zfp740	38.752491	30.953629	29.547233	27.44511
Zfp746	9.288479	8.464864	6.685162	6.877653
Zfp747	1.590673	2.267366	2.840843	3.832791
Zfp748	0.717704	1.469027	1.548636	1.263327
Zfp750	0	0	0	0.143184
Zfp758	0.385545	0.538896	0.487893	0.503485
Zfp759	0	0.398824	1.064996	0.382732
Zfp760	1.884358	2.163812	3.879211	3.01703
Zfp763	0.800063	1.172962	2.514703	1.812346
Zfp764	0.542742	1.830649	1.610722	2.314944
Zfp768	11.429878	10.064712	8.013685	8.196498
Zfp770	1.671412	3.196708	3.567404	3.078579
Zfp771	11.658258	10.519587	9.279881	13.960596
Zfp772	1.051864	1.814282	2.089284	1.377405
Zfp773	0	0.229092	0.161806	0.229231
Zfp775	3.054081	2.087183	1.784267	1.24436
Zfp777	20.593578	10.257834	9.548048	7.887245
Zfp78	0.20764	0.370017	0.934866	0.488946

Zfp780b	0.815534	1.471635	1.540949	1.479239
Zfp781	0	1.425213	1.746677	0
Zfp783	0.165667	0.291232	0.043393	0.200226
Zfp784	1.10223	1.975902	1.127101	1.664921
Zfp786	0.441057	0.589114	0.705209	0.658122
Zfp787	10.094545	8.765197	7.677298	8.451957
Zfp788	1.180367	1.274082	1.912775	1.605193
Zfp790	1.458992	2.711877	2.367734	3.559306
Zfp791	0.233463	0.790301	0.863491	0.865506
Zfp799	1.350808	1.885599	2.469371	2.017028
Zfp800	1.778191	3.216353	2.263047	1.910707
Zfp804a	0	0	0	0
Zfp804b	0	0	0	0
Zfp808	0.133902	0.422319	0.865937	0.483063
Zfp809	3.778557	3.696135	3.025923	5.377879
Zfp81	1.004831	1.739839	1.906727	1.329011
Zfp810	1.172486	2.831558	2.862048	2.539708
Zfp811	0.206301	0.141469	0.055221	0.195709
Zfp819	0.122721	0	0	0.047487
Zfp82	1.166172	3.461824	4.481154	3.451081
Zfp820	0.431724	0.731222	1.172564	0.698091
Zfp821	9.091583	8.384111	6.887106	7.497736
Zfp825	1.416396	2.529235	3.691843	2.630989
Zfp827	7.572859	7.717405	6.778103	5.906257
Zfp830	5.655042	6.594975	5.681487	6.837472
Zfp831	0	0	0	0
Zfp839	4.089029	5.617722	5.551423	5.700437
Zfp84	1.196034	2.346871	1.942082	2.566603
Zfp846	1.457902	1.555877	1.852898	1.366072
Zfp85	0.279273	0.61082	1.049022	0.903488
Zfp850	0.236188	0.417231	0.438257	0.362837
Zfp85os	0	0.085208	0.050574	0.099001
Zfp862-ps	4.708114	4.977632	3.082795	6.565246
Zfp865	6.535943	7.850939	5.909151	6.357283
Zfp866	2.176521	5.297517	4.261531	4.614195
Zfp867	1.553821	2.836961	4.016509	2.507127
Zfp868	5.547319	4.549918	9.589938	3.139405
Zfp869	6.948052	7.735373	9.494426	9.630922
Zfp87	1.583226	2.316992	2.264061	2.736971
Zfp870	0.55817	1.725353	1.771317	1.753209
Zfp871	5.074737	6.166113	6.418894	6.15227
Zfp872	0	0	0	0.058828
Zfp873	0.837107	0.993941	2.443902	1.603005
Zfp874a	0.428348	0.871449	1.101153	1.289613
Zfp874b	1.035488	1.183102	1.688477	1.493194
Zfp879	0	0	0	0.072194
Zfp882	0.218409	0.598503	0.673637	0.480288
Zfp9	14.630973	9.372211	10.018601	6.971662
Zfp90	8.68629	7.859861	9.389373	8.844695

Zfp91	24.504763	19.955185	15.613503	17.448387
Zfp91Cntf	0.625288	0	0.243924	0.524215
Zfp92	0	0	0	0
Zfp93	0.733438	2.140604	1.351929	1.408584
Zfp930	2.845892	4.3186	7.733179	5.027062
Zfp931	0.292107	0.991856	0.651637	2.188799
Zfp932	1.743834	3.884598	5.938221	4.543228
Zfp933	1.129093	2.340928	1.844143	2.725726
Zfp934	0.380494	0.292208	1.434537	0.80714
Zfp935	1.547031	1.31035	2.39856	2.170884
Zfp936	0	0	0	0.044523
Zfp937	0.842469	1.382561	1.34245	1.073872
Zfp938	1.352355	1.551829	2.110941	1.774659
Zfp939	0.699137	1.174261	1.39104	1.01947
Zfp94	1.46738	2.665617	1.933601	1.966781
Zfp940	0.460367	1.511309	2.162317	1.227505
Zfp941	0.420387	0.205939	0.389836	0.162939
Zfp942	0.746969	1.552722	2.084345	1.090871
Zfp943	0.728361	1.4894	1.890665	1.363261
Zfp944	1.418749	1.811353	2.161994	1.354344
Zfp945	0.300909	0.748106	0.918055	1.242487
Zfp946	0.809538	2.53768	3.059211	1.513464
Zfp947	0.350365	0.58561	0.759132	0.448998
Zfp948	4.256406	5.411893	6.524901	4.150894
Zfp949	5.964667	5.473505	3.315729	7.876276
Zfp950	2.766947	3.201482	8.760788	9.231053
Zfp951	0.233063	0.668805	0.507854	0.539099
Zfp952	1.404914	3.035465	2.299479	3.171799
Zfp953	0.166901	0.46168	0.871732	0.794338
Zfp954	3.694999	5.725288	6.299827	6.493898
Zfp955a	2.812337	3.733886	4.030092	3.470645
Zfp955b	2.00136	4.106155	4.284566	3.586273
Zfp956	3.856482	2.663003	3.347778	3.1839
Zfp957	0	0	0	0
Zfp958	0.961839	1.905373	3.855364	3.285106
Zfp959	0.337749	0.988287	1.529521	1.465883
Zfp960	0.68363	1.412778	1.630327	1.127368
Zfp961	3.031349	8.122147	7.21223	6.080525
Zfp963	1.319011	1.557143	1.930338	1.892045
Zfp964	0	0.409007	0.254322	0.725875
Zfp97	0.600202	0.75458	1.329056	1.150596
Zfpl1	31.401983	23.327366	19.864325	23.663235
Zfpm1	11.875441	5.716821	3.875939	9.866562
Zfpm2	1.71703	2.991456	3.454056	2.222574
Zfr	21.36515	16.840004	12.958799	13.574676
Zfr2	1.189933	0.268043	0.265296	0.405324
Zfx	4.729638	3.314972	2.994864	3.532225
Zfy1	0	0	0	0
Zfy2	0	0	0	0

Zfyve1	13.487086	13.392108	10.85051	11.120592
Zfyve16	2.292377	3.041757	3.580243	2.837056
Zfyve19	13.714382	14.502471	14.697608	15.581429
Zfyve21	26.06827	26.52783	29.977617	27.438385
Zfyve26	4.27246	6.144766	5.375532	4.803847
Zfyve27	5.483449	8.18278	8.208374	7.988087
Zfyve28	0.074705	0.095945	0.197298	0.505889
Zfyve9	4.397678	5.917952	4.737976	4.431758
Zg16	0	0	0	0
Zglp1	0.576162	0.334949	0.556446	1.619083
Zgpat	8.431996	18.658656	14.49058	13.834281
Zgrf1	0.404514	1.432465	1.880121	0.617603
Zhx1	2.824901	2.964096	4.170845	3.239744
Zhx2	2.020989	3.657246	1.659107	2.314124
Zhx3	0.798618	1.463073	0.905165	1.137428
Zic1	0.073764	0	0	0
Zic2	0	0	0	0
Zic3	0	0	0	0
Zic4	0	0	0	0
Zic5	0	0.186713	0	0
Zik1	0.626985	1.394822	1.986436	0.884658
Zim1	0	0	0	0
Zim2	0	0	0	0
Zim3	0	0	0	0
Zkscan1	2.974743	4.186097	3.71011	4.059589
Zkscan14	3.440085	2.198617	4.781502	3.823846
Zkscan16	0	0	0	0
Zkscan17	14.495027	14.226621	10.22346	9.536703
Zkscan2	0	0	0	0
Zkscan3	7.93616	13.429462	13.51325	12.493217
Zkscan4	0.131149	0.485559	0.763622	1.017964
Zkscan5	2.518675	3.006863	3.120494	2.921243
Zkscan6	7.275352	8.308441	7.323283	7.603378
Zkscan7	0.133449	0.360302	0.213976	0.349997
Zkscan8	0.783857	2.15114	2.424434	1.102123
Zmat1	0.408731	0.652602	0.763974	1.249032
Zmat2	15.440617	24.780031	24.439245	27.926283
Zmat3	1.493343	4.752041	3.053137	3.993563
Zmat4	0	0	0	0
Zmat5	18.363728	19.275394	24.510122	28.113855
Zmiz1	29.550138	21.647509	14.715351	18.001265
Zmiz2	23.129208	20.86092	15.446843	15.575675
Zmpste24	7.319765	16.893843	13.84705	13.77595
Zmym1	3.010282	5.209561	4.884254	6.234048
Zmym2	6.595133	6.163491	5.658417	4.694339
Zmym3	8.719231	8.814621	11.014721	7.603914
Zmym4	4.236505	6.860185	5.364822	4.20501
Zmym5	5.740931	5.406503	5.763682	5.609602
Zmym6	2.613921	4.824429	5.983266	4.084173

Zmynd10	0	0	0	0.132002
Zmynd11	16.730342	20.282452	14.292133	14.830617
Zmynd12	0	0	0	0
Zmynd15	0	1.919909	0.778367	0.634595
Zmynd19	16.189577	32.923977	20.226347	21.619839
Zmynd8	22.864832	19.501144	17.675154	18.695574
Znf41-ps	0.924935	1.498968	1.67467	1.530563
Znf512b	10.872567	12.674779	9.908314	7.469216
Znfx1	3.75771	5.93282	4.030127	3.018364
Znhit1	49.995945	43.695488	50.095249	55.707169
Znhit2	9.669477	12.030238	7.460409	12.503996
Znhit3	18.513855	29.950941	51.326691	46.58424
Znhit6	12.077149	12.667104	10.655349	11.085797
Znrd1	24.819466	27.894159	31.622913	33.295094
Znrd1as	1.8672	5.302227	6.910319	6.028108
Znrf1	10.941311	17.404989	7.864708	14.17032
Znrf2	6.804935	7.506485	6.181829	9.563581
Znrf3	2.259318	3.348927	2.57461	2.467477
Znrf4	0	0	0	0
Zp1	0	0	0	0
Zp2	0	0	0	0
Zp3	0	0	0	0
Zp3r	0	0	0	0
Zp4-ps	0	0	0	0
Zpbp	0	0	0.030827	0
Zpbp2	0	0	0	0
Zpld1	0	0	0	0
Zpr1	32.179371	26.484322	20.209892	21.349222
Zranb1	16.350006	10.520164	9.523636	8.716619
Zranb2	19.415415	36.330482	36.668091	29.803116
Zranb3	0.466147	3.704619	2.573616	2.836574
Zrsr1	4.508709	3.827409	3.88702	4.065961
Zrsr2	16.41931	15.603721	12.818604	14.711179
Zscan10	0	0	0	0
Zscan12	2.491243	2.720067	2.392463	2.258976
Zscan18	0	0.467895	0.081119	0.09263
Zscan2	5.449081	4.341622	2.783334	2.783168
Zscan20	1.167703	1.888393	1.201652	1.550467
Zscan21	5.25592	9.008485	8.539493	9.162156
Zscan22	0.99625	1.621095	1.415146	1.517148
Zscan25	10.316009	6.950447	5.851948	5.757417
Zscan26	9.571577	13.029132	10.701843	11.387972
Zscan29	1.215875	2.287697	2.27264	3.035306
Zscan4a	0	0	0	0.031736
Zscan4b	0	0	0	0.060111
Zscan4c	0	0	0	0
Zscan4d	0	0	0	0
Zscan4f	0	0	0	0
Zscan5b	0	0	0	0

Zswim1	2.258834	1.726685	2.374886	2.344655
Zswim2	0	0	0	0
Zswim3	2.753706	3.089672	3.602399	3.319557
Zswim4	9.232487	16.519005	11.458126	10.903102
Zswim5	0	0	0	0.021223
Zswim6	4.307528	6.218333	4.153644	6.907074
Zswim7	12.968435	11.008924	14.621065	20.540541
Zswim8	29.976653	22.641303	16.069346	16.470348
Zufsp	0.711031	1.386674	2.238518	2.181566
Zw10	4.062155	9.398021	7.303524	7.036818
Zwilch	1.693338	9.735103	12.803617	6.06675
Zwint	32.689764	43.699964	36.462819	37.854018
Zxda	2.651614	1.768907	1.239821	1.463857
Zxdb	3.068429	2.17016	1.457667	1.590556
Zxdc	23.839002	8.697198	7.569829	7.14638
Zyg11a	0	0	0	0
Zyg11b	3.980861	4.021936	2.496802	2.851627
Zyx	84.259984	103.041073	46.430122	74.533919
Zzef1	6.126931	8.078774	6.904276	5.411042
Zzz3	10.51833	14.665404	12.311249	10.462001

GC2.fpkm.txt	GC4.fpkm.txt	ICB1.fpkm.txt	ICB2.fpkm.txt	ICB3.fpkm.txt	Combination1.fpkm.txt
2.338601	7.408311	0.155628	1.009874	0.512657	12.180329
45.76479	49.116554	34.145718	24.85067	33.323582	40.287235
21.562281	19.064405	21.365376	13.454828	17.437401	22.72909
2.997784	2.347077	2.503202	0.797167	2.48459	2.507757
10.172218	13.286281	18.452845	9.841792	12.230042	14.151686
0	0.138046	0	0.242538	0	0.227711
4.850138	4.300543	5.423645	3.522614	3.351251	4.271782
65.150087	77.003055	57.797607	57.659845	63.336436	58.123833
23.448076	37.316578	21.301134	26.516758	19.121971	28.682749
39.28138	32.724342	30.085239	29.472517	30.151855	35.709019
9.255338	6.371876	10.801169	6.356097	7.515698	6.554269
0	0.300538	0	0	0	0
18.425724	13.33106	11.972137	10.823558	12.103436	11.775578
0	0.083869	0.495203	0.334051	0.332401	0.676921
0.399353	0.089273	0	0.374294	0	0
0.485139	0.136341	0.579387	0.251592	0.542177	0.381714
1.672194	2.654166	1.72505	1.213961	1.525916	0
0	0	0	0	0	0
1.409618	3.44038	0.734218	0.953758	1.111691	6.886172
0	0	0	0	0	0
1.278091	0	1.831469	0	0.627142	1.878269
54.204678	73.289085	54.827957	56.437672	48.826851	73.406433
1.36175	0.491864	1.823922	0.392238	0.880943	1.224316
37.360001	37.887466	27.155323	31.381508	24.322828	41.13554
58.608944	57.681332	56.651604	54.562492	48.573704	57.580376
2.241996	2.282056	1.988829	0.298071	1.436315	1.417109
76.544525	79.906395	91.835052	74.497139	104.672432	64.482735
123.387207	109.966019	73.633133	67.017014	73.404846	117.56369
4.140789	4.013402	4.625868	3.510507	3.363851	4.1674
56.398457	51.090599	34.086285	25.42762	32.04673	52.642178
14.601074	13.339665	20.042883	12.583885	14.660342	18.222647
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0	0	0	0	0	0
0.455309	0.304529	0.110457	0	0.0996	0.48466
0.800444	0	1.783748	0.899332	0.699652	0.788722
0	0	0	0	0	0
0.159604	0.120461	0	0	0.082736	0
0	0	0	0	0	0
5.129812	4.452625	3.462806	2.803885	3.724714	3.131696
0.058968	0.017527	0	0	0	0
4.791672	4.052812	4.635365	4.437615	3.242993	5.37036
0	0	0	0	0	0
7.210352	6.478971	6.789636	5.100236	6.66252	6.824641
268.693459	248.614861	389.456345	451.566925	345.316139	263.796798
31.806189	33.704044	21.980362	22.877375	23.891253	29.389416
8.791066	10.00884	17.779203	16.421799	14.401747	10.913674
8.100949	10.588225	13.744388	10.200879	11.832265	11.736806
0.773383	0	0.165382	0	0	0

26.19536	21.293802	25.780367	27.1852	21.797438	27.022907
2.663437	2.72673	2.891484	2.376591	2.572354	2.966172
26.676477	29.419773	35.331924	32.84404	38.153278	38.791771
27.913353	37.493739	29.429718	25.356009	32.426095	34.333834
2.286807	2.95588	2.019829	1.731922	2.792886	1.910499
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5.820102	7.065305	6.226667	8.703112	9.008553	6.593104
6.265239	6.021072	5.399429	5.243535	4.883856	5.913348
5.355638	6.117275	5.927556	4.800487	4.345167	7.111582
1.125265	19.42054	1.016992	2.266486	5.974396	1.020304
2.024813	1.903528	3.70544	1.938426	3.118828	0.985221
0.472117	1.484196	0.754485	1.129799	1.44838	0.254255
0.869157	0.272903	0.092387	0	0.249085	0
17.519485	13.772392	13.51584	7.066703	8.471631	8.814649
33.068985	37.957287	23.074795	30.429602	23.728613	26.450678
239.215576	234.463394	509.416199	836.806885	438.935699	250.478653
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4.670355	5.204219	7.498765	4.954438	4.645712	3.239867
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17.636099	1.172264	1.59419	0	0.922983	4.18451
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7.008085	8.821407	8.121628	4.073219	6.884721	7.789201
19.31316	19.221769	14.914672	13.015404	14.46475	15.999972
2.337847	1.764649	1.328729	0.371621	0.847731	0.757675
19.877815	11.158744	22.98809	16.200613	22.148283	10.954506
25.768418	30.096494	16.117355	13.555324	15.826353	24.454111
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16.563232	10.918568	20.827658	12.738254	13.215246	8.600299
0.426293	0.258608	0.653687	0.378503	0.723308	0.360129
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0	0.21133	0.106821	0.195932	0.285756	0.169151
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0.185818	0.261947	0.718026	0.600835	0.676914	0.17889
0	0	0.283572	0.551173	0.286384	0
0.015398	0.022533	0.022348	0	0.075567	0.031518
0.261066	0	0.45841	0	0	0

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0.74933	0.238401	0.67038	0.328597	0.567755	0.259164
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0.262512	0	0.195295	0.114691	0.463489	0
0.955438	0	1.007803	0	0.405117	1.407275
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0.519168	1.583741	1.188876	2.072305	3.153637	1.321581
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0.209007	0.109113	0	0	0.068378	0
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0	0.220977	0.742766	0	0.198556	0.392441
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1.900729	1.177758	3.078923	1.816909	2.436745	2.278911
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0.988105	0.636663	0.558193	0.641922	0.671993	0.976757
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0.364078	0.336745	0.280275	0	0.140237	0
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1.006975	0.334985	0.204799	0.162526	0.23694	0
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91.075943	94.125366	66.221191	73.559074	55.045254	110.857368
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19.553808	15.136165	19.997175	10.726567	18.129164	16.660421
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0.461286	0.418087	0.775564	0.543706	0.823176	0.452663
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0.682448	3.330544	0.481812	0.376814	0.614793	3.167414

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1.203315	0.889734	1.507674	0.977148	0.878465	1.21456
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1.350605	1.448775	1.527808	2.025843	2.397362	0.81291
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19.301862	15.948282	19.573511	11.923272	14.704687	15.30138
4.47711	6.384724	7.95198	2.859213	4.304437	7.713613
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39.509346	45.731705	29.861395	26.277731	31.112274	37.426769
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2.350034	1.627384	1.45843	1.314326	1.944727	1.475833
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2.236842	2.512238	0.739781	1.476843	0	0

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0.192103	0.163975	0.418191	0	0.187487	0
0.523013	0.611531	1.048777	0.503833	0.767683	0.208898
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0.168849	0.17602	0	0	0.1325	0
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0.830278	0.989748	1.606733	0.904836	1.763182	0.208192
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0.452454	0	0.118478	0.068777	0	0.313839
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0.253789	0.217304	0.222278	0.102734	0.050219	0.348401
5.212536	5.725874	8.278447	5.647029	6.303987	4.955809
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0.243023	0.174701	0.151732	0.235344	0.116822	0
0.1182	0.217509	0.404233	0.389611	0.711964	0.109099
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1.795942	1.34101	2.705619	1.454244	2.3076	1.620143
31.323061	39.705826	36.504391	21.854328	28.460741	30.175238

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0.775268	0	0.555846	0.547575	0.667512	0
0.410755	0.352647	0.148433	0	0	0.135072
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2.359119	3.565	1.616473	1.827805	2.958868	2.746595
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0.568035	1.610249	1.074577	1.657113	0.820835	0.320341
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2.54576	2.718602	2.212184	1.643698	1.875552	2.599083
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0.710733	0	0.59049	0.422358	0.682546	0
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0.093731	0.321516	0.907989	0.420276	0.72003	0
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1.91715	3.70594	2.409528	3.326523	3.763249	3.342532
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1.163874	1.144102	0.176053	0.052193	0.308199	0.210935
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3.596506	3.242269	3.729573	1.650527	2.792627	4.512222
0.435616	0.5662	0.804579	0.480013	0.125345	0.929157
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3.900002	2.324238	3.632821	1.716825	2.901793	2.569768
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0.797331	0.951079	1.025192	1.027947	1.273371	1.001145
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0.587398	0	0.484605	0	0	0
1.144516	0.414677	0	0	0.20292	0
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0	0	0.417717	0	0	0
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1.204012	0.299093	2.123129	1.433902	1.704712	0.413701
0.19133	0	0.534742	0.664081	0.280882	0.330779
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4.239583	1.70351	3.242691	1.984573	2.776017	1.024649
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0	0	0	0	0	0
0	0	0	0.16371	0	0
24.900883	19.498995	25.294603	17.29217	26.79048	18.656078
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0.652357	2.052204	0	0	1.602093
0	0	0	0	0	0
0	0	0	0	0	0
0.666302	0.220832	0.448281	0.385981	0.401166	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0.107202	0	0	0	0.353226
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0

0.213908	0.670033	0.800333	0.499163	0.712756	0.729718
0	0	0	0	0	0
36.546246	29.366871	29.496841	20.1341	23.764454	39.357136
0	0	0	0	0	0
0	1.051059	0	0	2.230202	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0.22852	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
1.098516	4.515636	0	0	1.579235	0
114.079091	135.469323	83.605798	76.370929	84.241804	127.324907
0	0	0	0	0	0
0.242794	0.522284	0.527756	0.474431	0.289359	0
0.613235	0.590615	0.987667	0	0.471541	0
23.263962	24.319248	7.789323	6.183919	5.903877	19.256821
32.569763	62.886398	64.110596	102.068611	127.395996	69.759415
0	0	0	0	0	0
1.700185	1.176396	0.673953	0.688036	0.893964	0
13.534817	9.782964	11.386024	9.630975	12.127955	12.398043
2.915235	2.393831	1.337107	1.719556	1.303817	2.463962
0	0	0	0	0	0
1.598986	0.98374	0.627277	0	0.271329	1.985165
0	0	0	0	0	0
1.685052	1.499522	1.223414	0	0	0
100.988724	58.268818	71.247353	94.267723	72.131027	73.961708
0	0	0.130118	0	0	0
2.864186	2.127666	4.688494	4.41664	5.28892	1.609541
15.011968	11.602611	11.967955	7.451519	8.850848	11.522107
18.719006	15.611995	17.558903	11.302617	12.982662	18.674088
16.911676	18.566805	23.053854	18.336263	18.540088	19.184596
1.271031	1.151975	0.734173	0.296417	0.661826	2.519451
202.453918	211.130524	133.942917	187.929642	167.657303	219.753235
1.020252	0.682309	0	0.472839	0	0
0.025692	0	0	0	0	0.147942
10.61255	9.107306	8.866829	5.276329	7.733334	7.073486
55.512074	58.129944	37.529087	34.468521	40.179485	59.614334
4.969245	3.49715	4.966202	2.04111	6.272977	2.767217
0	0	0	0	0	1.689398
0	0	0	0	0	0
19.875914	19.161108	20.158566	10.871373	15.963861	33.044411
57.691685	60.244266	45.801708	43.037247	58.88452	50.353666
0.41606	0.978612	2.935268	1.064594	1.536861	0.903842

0	0	0.812522	0.593378	0.974805	0
0	0	0	0	0	0
0.391381	0.888552	0.023959	0.274021	0.29166	0.111437
0	0	0	0	0	0
8.631577	5.582039	10.361018	7.639931	7.810586	16.711969
0	0	0	0	0	1.324041
0.251086	1.729657	0	0.37837	0.509694	19.932323
5.111854	0	2.084566	2.235229	2.973652	0
0	0	0	0	0	0
0	0	0	0	0	1.992526
8.755917	7.27524	6.135972	5.40408	5.264535	5.734003
2.315025	1.001103	1.272111	0.670657	0.911955	1.790978
0	0	0	0	0	0
0	0	0	0	0	25.751371
441.734039	398.119415	412.497589	486.081665	445.607239	544.598999
0.105665	0.332591	0.478155	0.282877	0.260876	10.02846
0.212526	0.58129	0	0.122255	0.128141	0.418225
0	0	0	0	0	0.399201
0.178845	0	0.203823	0	0	73.141296
22.737988	10.150152	11.409496	9.70499	18.684261	17.07813
23.645355	18.62881	14.917296	15.06414	13.000569	19.956577
0.778738	0.641381	0.889694	0.314253	0.380501	1.745983
0	0	0	0	0	0
0	0	0	0	0	0
1.772035	1.540599	2.86929	1.741821	2.084964	0.515348
15.902336	16.748652	16.845043	11.116448	11.129636	18.527573
52.718761	68.869492	60.432808	61.672977	54.732597	207.257584
0	0	0	0	0	1.939456
0	0	0	0	0	0
0	0	0	0.420651	0	0.796652
25.457031	24.122784	19.301605	24.049498	19.856239	18.416571
7.883908	7.009833	7.151297	4.964584	5.618758	9.390137
9.592948	6.713683	2.866735	1.92191	3.090988	12.183045
21.736984	20.607973	21.510374	13.049111	16.646049	18.225956
9.545509	9.405882	8.70825	5.695443	7.552625	6.130124
0	0	0	0	0	0.679461
0.17197	0.116752	0.185796	0	0	0.545705
0	0	0	0	0	0
1.235823	0.694631	2.652585	2.207643	1.623898	0.920582
0.735522	0.70283	0.378184	0	0	1.070828
0	0	0	0	0	24.469725
7.269028	6.314457	2.239626	1.805514	3.957784	1.437877
0.397154	0.413756	0.289553	0.19164	0.338588	0.230203
0.165958	0	0	0	0	0
0	0	0.438898	0	0	0
0	0	0	0	0	0
0.486455	0.573552	0.894513	0.219371	0.315089	0.099304
0.958172	0.952769	0.399789	0	0.406911	1.503587
0	0	0	0	0	0

0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
9.993845	12.722902	13.582716	8.091678	11.114368	15.768032
3.740784	2.080844	2.221471	1.232863	1.049778	3.684214
0.165597	0.140088	0	0.128563	0	0
0	0	0	0	0	0
0.147613	0.127243	0.34524	0.231448	0	0
1.427806	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
1.081689	3.669581	1.856064	1.775835	2.43824	1.677759
0	0	0	0	0	0
17.543821	18.201479	10.152073	12.393019	10.084188	14.499338
32.465923	36.482624	32.000092	32.294449	28.636427	33.203461
1.969923	1.051581	1.311668	1.469272	2.046743	1.366065
8.11429	9.312844	5.782477	3.726106	10.283956	6.735695
24.707674	21.739594	19.611708	11.980227	19.230309	35.368908
2.31368	1.78896	2.958589	1.937392	1.954852	1.327686
0.573467	0	0.037816	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
10.214046	8.9174	10.778763	5.361155	7.764683	8.397925
22.192488	31.703236	41.298115	27.072392	33.456985	27.859921
0	0	0	0	0	0
2.237426	2.105146	1.375465	0.797876	2.211181	2.37943
21.859833	19.665262	16.432961	15.534223	17.631565	16.785316
0	0	0	0	0	0
3.949629	3.464668	2.349912	0.95544	1.579103	2.190172
0.203239	0	0	0	0	0
3.264668	4.412499	4.044414	5.012173	3.18963	4.205811
205.516327	182.569946	145.957428	103.245903	129.952911	180.933167
20.87866	22.449257	22.732626	22.768764	27.323217	23.409067
0	0	0.197023	0	0	0
7.203286	0.922741	1.137731	0.492297	0.672526	0
0	0	0.127853	0	0	0
0	0	0	0	0	0
28.04332	29.670541	25.405467	16.890162	23.023683	27.43905
0	0	1.087667	0.428247	0.976691	0
17.318647	20.517593	16.452579	11.66752	16.341972	14.267552
0	0	0	0	0	0
0	0	0	0	0	0
5.908642	3.214704	4.090524	1.816549	4.149512	4.302033
0	0	0	0	0	0
23.003702	21.258444	16.936972	11.892941	14.024864	22.648285
0	0	0	0	0	0
0	0	0	0	0	0
9.16752	8.643226	14.915501	9.810229	12.733048	9.753885

0.800399	1.216958	0.860189	0.83875	0.334186	0
0.249073	0.106777	0.120491	0.125024	0.203172	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
36.501228	28.441114	50.527466	25.657122	27.73506	31.351019
0	0	0	0	0	0
34.915718	33.044945	23.01153	18.753298	25.143757	29.823061
0	0	0	0	0	0
0.35482	0.241888	0.092027	0	0	0.11537
542.484192	754.182495	1399.968628	2255.994385	1246.433105	623.367859
0	0	0	0	0	0
81.495544	120.421318	104.268631	108.876823	104.109138	110.67939
11.551871	10.179297	8.232941	4.569692	5.601279	9.646975
0.523224	0.432679	0	0.223371	0.658263	0.961918
0	0	0	0	0	0
0	0	0	0	0	0
3.367309	3.481813	6.250694	3.465882	5.086893	3.064152
0	0	0	0	0	0
5.913243	5.186916	4.730038	3.891681	3.458685	6.237567
4.669086	5.035202	4.021825	4.244944	5.356323	3.961559
0	0	0	0	0	0
0	0	0	0	0	0
6.567993	3.207184	4.592087	4.406669	6.910854	3.760408
1.73189	1.381442	1.228443	0.642719	0.75072	1.72425
13.268636	18.437828	22.682116	17.495897	17.29533	11.154659
0	1.051687	0	0.275257	0	0
6.11662	5.624784	3.38092	2.43951	3.585747	3.976767
35.609753	32.230038	29.050756	16.996149	23.822575	37.77319
29.586805	20.826696	15.890785	18.548773	16.357187	19.861025
2.635735	2.804597	2.713958	2.504954	2.902955	2.211665
4.947956	5.316731	11.958834	8.874964	8.252935	5.081837
2.803115	1.987697	3.748805	2.773652	2.716118	1.322565
4.80951	4.306595	4.325078	2.945529	4.419639	3.353231
0	0	0	0	0	0
1.461675	1.069445	2.501698	1.463671	1.469471	0.93972
2.724618	1.602968	2.749012	3.160213	3.158057	0
0.065355	0.184705	0.083942	0	0.193503	0.020214
0	0	0	0	0	0
0	0	0	0	0	0
2.134389	4.219311	5.386349	4.135724	5.599062	1.933287
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
3.926671	2.585314	3.97871	2.905111	2.854034	3.935601
0	0	0	0	0	0
0.979262	0	0.720631	0	0.41944	0.494288

0.262659	0.226214	0.31309	0	0	0
5.345498	4.720004	4.487556	3.199858	3.520328	3.519597
0.485356	0.229021	0.14415	0.192081	0.211188	0.182244
5.367173	6.307681	7.698204	4.385509	4.45582	5.03741
0.291119	0.026036	0	0.151616	0.087029	0
0	0	0	0	0	0
3.403386	1.46935	1.960534	1.428078	0.735004	2.238196
33.31493	26.488291	32.701195	15.575617	23.877684	28.637676
2.444965	1.606783	1.935253	1.249354	0.974842	1.865738
12.620411	8.924629	9.505304	6.747235	8.564698	11.289636
0.997364	3.061921	2.759686	2.814039	3.093216	0.393284
0	0.614419	0	0	0.160887	8.881524
37.87376	37.841885	27.094702	25.944502	27.422825	38.662964
14.819669	8.100543	10.792211	7.10445	7.5844	7.903206
0	0	0	0	0	0
0.923253	0.634881	0.803589	0.687735	0.691232	0.963302
1.881015	2.281144	2.955404	1.782829	2.432095	2.176741
0.090902	0.152881	0.300654	0.230369	0.182784	0.108536
96.670921	93.154648	89.066368	116.437256	91.10495	102.42482
11.353694	9.704208	13.078958	9.063074	9.755874	12.754949
1.765115	1.090826	3.041273	1.638011	2.089827	0.8621
0.266713	0	0	0	0	0
12.88996	10.466666	24.72632	10.122654	16.182697	10.168799
0	0	0	0	0	0
123.619386	119.541398	96.218918	111.05298	98.968338	140.287668
5.447233	6.075568	6.316771	6.204972	5.795641	5.459939
9.282045	5.638448	13.117774	7.592705	8.822563	8.458097
11.891456	9.859055	12.993927	9.939272	10.625648	15.664648
3.943705	3.441689	3.340054	2.752237	2.24036	4.07684
36.524559	36.72052	27.35923	26.16272	23.982227	38.659573
7.790176	6.062522	5.003939	4.046496	4.920768	5.702066
7.65685	7.747904	7.072217	4.164978	6.009717	8.671064
1.084301	1.234824	2.001523	1.051393	1.529825	1.506854
36.100155	36.551563	26.241186	34.222279	26.581211	44.22694
1.367366	1.792846	3.013829	1.283484	1.863439	0.895628
0.120841	0	0	0	0	0
0	0	1.276086	0.153736	0	0.159859
0	0	0	0	0	0
31.994497	23.279419	42.879135	26.821548	28.66885	20.857121
0.226892	0.12969	0.180536	0.454546	0.21279	0.721033
0	0	0	0	0	0
0.147209	0.308215	0.881622	0.246308	0.383356	0
1.29908	0.630965	2.38321	1.32282	3.555622	1.489877
6.13756	6.173867	3.78116	4.0454	3.324406	6.156123
1.26135	1.761768	3.895481	2.398651	3.225707	1.564429
19.521486	16.382174	11.990388	7.464925	8.295941	20.9673
112.758347	102.507866	69.913132	55.60318	63.163895	90.404007
0	0	0	0	0	0
1.184385	1.233627	1.445988	1.390797	2.83265	0.737712

0	0	0	0	0	0
0.438743	0.504745	0.624502	0.437219	0.592225	0.383784
0.341671	2.009924	0.031571	0.183035	0.440152	1.597743
0.450757	0.241547	0.189165	0	0	0
0	0	0	0	0	0
18.207563	13.07182	12.793161	13.64415	13.164713	10.034587
0.994507	0.319702	0.692406	0.407367	0.911986	0.025508
1.008529	1.194131	0.713607	0.383775	0.710166	0.57197
2.944249	3.694799	5.597896	3.767065	4.526396	2.794108
0.128241	0	0.04684	0	0	0
11.012727	14.274725	17.808004	9.686525	15.019103	17.859428
1.14541	0.474546	0.120925	0	0	0.191898
0	0	0	0	0	0
0	0	0	0	0.205511	0
0	0	0	0	0	0
0.63659	0.871835	0.367082	1.530383	0.638122	0.953203
6.203092	4.026783	4.54966	4.20771	4.182386	4.519365
0	0	0	0	0	0
0	0	0	0	0	0
0	0.004435	0	0	0.052517	0
26.522676	22.892014	23.953779	15.49571	21.367489	18.690239
2.23057	1.729972	4.371246	1.687014	2.359072	1.973306
0	0	0	0	0	0
3.923576	3.475187	6.087965	3.134227	4.723816	4.413414
0	0	0	0	0	0
2.440208	1.899119	1.736469	2.313951	1.816258	2.444004
23.235914	17.024235	23.55184	17.283815	19.364344	20.225792
6.217571	7.812698	7.135461	7.992454	7.018193	7.988046
0	0	0	0	0	0
0	0	0	0	0	0
0.918747	1.434146	0.64258	1.382893	1.542706	1.079969
0.167231	0.142902	0.117646	0	0.303013	0
0.082127	0.149178	0.107878	0	0.093319	0
20.2856	27.479821	33.559683	14.067648	29.747527	0.606353
28.533861	21.197056	35.883778	26.955528	26.491568	23.005644
19.414619	23.248526	14.435928	17.087101	16.141064	16.739187
11.113741	8.609249	9.612137	9.742437	10.362247	7.263669
0.708945	0.344804	0.213726	0	0	0
0.85739	0.972359	1.193679	0.466654	0.652447	0.374066
11.008354	6.283978	7.857486	6.016672	5.170208	11.321146
1.37029	1.93678	5.825554	5.360486	5.448048	1.472797
5.767654	6.444662	4.868803	1.414948	7.582256	8.814704
0.500436	0.180256	0.389865	0.334629	0.461181	0.137922
0	0	0	0	0	0
18.947924	24.594528	21.013189	18.660957	14.224957	21.610016
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0.089372	0	0.097594	0.038551
0	0	0.646878	0.883173	0.610924	0

0.970759	0	0	0	0	0
36.113494	29.287356	41.122323	25.973239	36.030193	51.650259
1.415579	0	0	0	0.031739	0
1.146586	0.091066	0.637987	0.082934	0.434354	0
0	0	0	0	0	0
0.372592	0	0	0	0	0.606712
5.964761	3.350033	4.565123	1.501933	3.415293	4.224673
0.200234	0.418165	0.686432	0.120074	0.11739	0
0	0	0	0	0	0
0.060052	0.052913	0	0	0.092709	0
0.053396	0.285673	0.2317	0.148664	0.135602	0
0	0.033626	0	0	0	0.402595
0	0	0	0	0	0
2.878794	2.356908	3.709667	1.530597	1.849482	1.751004
3.403953	3.953818	5.50918	2.955795	3.802429	3.193958
1.749679	0.57019	1.746604	2.130639	1.305902	0
0.09308	0.374696	0.045432	0.156718	0.214256	0.303576
29.792094	31.4318	24.282279	15.283946	24.558312	18.245622
0	0	0	0	0	0
0	0	0	0	0	0
0.12522	0	0.478318	0.477805	0	0.820827
0	0.039858	0	0	0	0
0.143046	0.36082	0.410981	0	0.284676	0.373866
0	0	0	0	0	0
0.588959	0.361355	0.553003	0.277141	0.458948	0.088704
0	1.157424	0	0.246312	0.369898	0
0	0	0	0	0	0.084987
0.149991	0	0	0	0	0
0.802924	0.985527	1.460202	1.313614	1.058771	1.053162
0.858881	0.982954	2.050444	0.743444	1.244427	1.153916
0.766127	0	1.936574	0	0.254031	0.35318
16.941681	11.451223	23.257463	14.061142	18.826973	13.824726
0.597727	0.918215	1.116568	0.913693	1.54684	1.277403
0	0	0	0	0	0
0	0	0	0	0	0
0.506382	0.486008	0.148077	0.717145	0.342932	0.421411
0.238903	0	0	0	0	0.44723
0	0	0	0	0	0
19.792944	16.306511	18.714865	14.016324	16.990394	24.230173
0	0.031952	0	0	0	0
0.211527	0.060454	0.076746	0	0	0
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0.154176	0.307266	0.281582	0	0.095836	0
0	0.21757	0.987244	0.282039	0.629563	0.176879
0	0	0	0	0.095462	0
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0.288088	0	0	0	0	0
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19.468196	17.473729	16.893077	14.59824	16.95246	10.413084
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1.189009	0.751699	1.258089	0.383516	0.569651	0.805419
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0.943935	0.629289	1.150956	0.553788	0.417929	0.276791
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5.038698	4.285806	5.414653	3.798451	4.797837	3.320434
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1.892936	1.497698	2.766105	1.763856	2.21115	1.449922
10.259628	12.039158	9.550531	5.119853	7.683296	9.9893
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0.366676	0.285499	0	0.153379	0	0
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0.065063	0	0	0	0	0
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0.053801	0.049258	0	0	0	0
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6.288889	6.544198	7.320385	5.230033	8.362474	5.57939

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0.15345	0.087711	0.25932	0.1027	0.336689	0.034898
5.944865	5.262287	6.790205	2.205775	3.694662	4.693692
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0.377836	0.464049	0.408147	0.078263	0.230905	0.31913
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0.150017	0	0	0	0.092183	0
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4.724732	3.175292	4.490594	3.355315	3.352049	4.529716
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0	0.638079	0	0	0	0
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0.517607	0.360736	1.057808	0	0.128397	0.295123
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0.152383	0.689438	0.635733	0.489534	0.372454	0.435829
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0.020267	0.013288	0.01397	0.004787	0.00468	0
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1.656588	1.437839	2.501598	1.079627	2.397228	0.232029
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0.051627	0	0.055424	0.100819	0	0.103741
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0.185353	0.087169	0.308082	0	0	0
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20.498333	13.301627	11.360261	10.328553	9.452366	19.808105
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0.310726	1.08551	1.375313	0.576938	0.708337	0
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1.806166	3.685673	1.46378	0.960802	3.675065	1.88307
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0	0.051639	0.171321	0.302322	0.293988	0
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0.137118	0.078375	0.18197	0	0.111549	0
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0.346058	0	0.610926	0.309001	0.552206	1.027119
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0.34739	0	0.200991	0	0	0
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1.579596	0.142395	0.521688	0	0.596223	0.679865
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0.474926	0.252385	1.115054	0.255775	0.891329	0.627326
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0.536815	0	0.360669	0.335202	0.309232	0.469587
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0.558805	0.573307	0.339562	0.409866	0.449579	0.385665
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8.103139	5.248638	9.418556	8.055384	6.388823	5.350552
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0.524525	0	0.716718	0.363827	0.363502	0.387211
0.310872	0.237627	0.11832	0.243957	0.169557	0.283639
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0.203421	0.425846	0.094087	0.163164	0.033676	0
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0.163548	0.424336	0.144316	0.129068	0.142861	0
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0.37999	0.09239	0.386786	0.080988	0.364018	0.22152
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0.240603	0.315341	0.353884	0.131751	0.072354	0.204505
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0.049197	0.021091	0	0.010975	0	0
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1.730462	0.992785	3.600121	1.628534	1.896471	1.406191
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5.57994	6.051035	13.305761	5.984258	7.631919	5.704682
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0.046482	0	0	0	0.049617	0
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6.216532	6.348499	7.902857	6.060509	7.141791	5.041759
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0.414187	0.186601	0.266227	0.035851	0.362493	0.293263
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0.093235	0.117055	0.084304	0.049199	0.023733	0.101359
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0.132141	0.055797	0.024011	0	0.030962	6.510619
4.437808	7.770517	9.243312	7.791484	5.792105	7.710719
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0.121809	0	0	0	0.119552	0
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2.440991	2.194968	3.139221	1.361637	2.829513	1.071716
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0.395108	0.631367	0.268786	0	0.288416	0.62911
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0.454002	0.922952	0.514534	0.627708	1.030098	1.765249
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0.193797	0.080922	0.550347	0.339384	0.530683	0
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0.769123	0.776242	1.280462	0.518853	0.678081	1.110037
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2.564007	0.629175	2.850744	1.668446	2.115008	1.099678
5.221344	5.820626	4.240487	1.908233	2.810236	5.740182
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0.526079	0.839507	0.90648	0.32854	0.451574	0.675242
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0.984599	1.467532	2.519773	1.753155	1.913892	1.280594
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0.244392	0	0.143455	0.131741	0.216534	0
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0.259157	0.307514	0.220219	0.470854	0.168968	0.127247
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0.292015	0.222168	0	0	0.150248	0
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10.282323	14.577255	9.265758	7.193695	6.836073	14.963331
0.375644	0.113514	0.110748	0.295098	0.318408	0.080651
8.433992	6.330673	9.070535	4.646159	7.999841	5.827966
0.034866	0	0	0	0	0
0.093838	0.682534	0.085116	0.282615	0.276298	0.239873
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2.302121	3.624605	3.0019	1.797259	2.880891	2.606641
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4.680853	4.938459	7.443141	4.283661	6.536378	3.400296
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0.457817	0.289553	0.242811	0.169362	0.17074	0.248575
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0.72696	1.789812	2.347126	3.238684	2.73431	1.144445
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0.752515	0.692953	1.174253	0.272684	0.871629	0.598534
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1.903849	1.920627	3.435852	2.226352	2.627113	1.7482
0.197102	0.072842	0.081924	0	0.222356	0.096607
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0	0.072189	0.07637	0.041982	0	0
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0	0	0	0	0	0
0	0	0	0	0	0

0	0	0.376074	0.173818	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
1.411465	1.068973	1.030576	0.435277	0.726586	0.5812
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0.091889	0	0.260409	0
0	0	0	0	0	0
0	0	0.202651	0	0.228415	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0.079797	0.184094	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
1.804322	1.6065	4.474408	3.016079	2.750847	1.757314
0	0	0	0	0	0
0.159612	0.439244	0.401324	0.096917	0.221085	0
0	0	0.136861	0	0	0
0.288276	0	0	0	0	0
0	0	0	0	0	0
0.035017	0.001413	0.011424	0	0.013092	0
0	0	0	0	0	0
0	0	0	0	0	0
0.045573	0.279097	0.54748	0.214957	0.423853	0.111047
3.970292	5.882749	6.069262	5.290545	7.950798	5.462187
0.042781	0	0	0	0	0
0.202149	0.114515	0.146032	0	0.398577	0
0	0	0.142667	0	0	0.472776
0.376686	0.115446	0.145039	0.067408	0.044051	0.152702
0	0	0	0	0	0
0	0	0	0	0	0
0	0.028913	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0

0	0	0	0	0	0
0	0	0.195559	0	0	0
0	0	0	0	0	0
0.548857	0.634901	0.538518	0.606806	0	0
0.946853	0.655071	0.519449	1.231509	0.596985	0
0	0	0	0	0.037779	0
0.099618	0	0	0	0	0
0	0	0	0	0.108668	0
1.749635	1.042032	1.596577	1.291192	1.228356	0.666216
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0.058	0.074593	0	0	0	0
4.954727	4.893321	8.595425	4.528105	5.119159	3.821003
0	0.052966	0.090864	0.062855	0.1229	0
0	0	0	0	0	0
0	0	0.11375	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
1.650798	0.816468	0.792413	0.532626	0.425064	0.702124
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0.463243	0	0.061868	0	0.124404	0
0	0	0	0	0	0
0	0	0	0	0	0
0.915938	2.063626	3.468537	2.091929	1.589812	4.888029
0	0	0	0.182769	0.177492	0
0	0	0	0	0	0
0	0	0	0	0	0
0.151111	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0.195082	0.084833	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
28.008823	39.573145	29.670552	45.61665	34.945357	43.737585
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
7.872938	4.794114	10.668231	9.256319	10.048376	2.772975
0	0	0	0	0	0
0	0	0	0	0	0

0	0	0	0	0	0
0	0	0	0	0	0
1.669843	1.883706	2.671953	1.608827	2.118865	1.187017
6.649926	4.553488	7.610467	6.402599	7.003025	4.692263
0.642389	0.86255	0.707977	0.77612	0.814099	0
1.674777	0.763574	0.437623	0.712917	0.459753	0.145042
0	0	0	0	0	0
0	0.54459	1.513023	0.633405	1.764918	0
17.060492	15.772728	15.642542	9.141364	12.559037	13.013029
0	0.326005	0	0	0	0
0	3.140098	0	0.635087	0	0
0	0	0	0	0	0
1.130452	1.24735	0.51465	0.523712	0.669469	2.049886
4.423712	2.405057	0.114326	0.607029	1.94337	0.814921
0	0	0	0	0	0
0	0	0	0	0	0
0	0.359482	0	0.110734	0	0.058626
4.617204	4.034391	4.654681	3.689038	3.978685	2.539121
0	0	0	0	0	0
0.18893	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0.301922	0.322718	0.030672	0.227327	0	0.102996
0.208406	0.071815	0.127895	0.326386	0.233376	0.141648
2.652053	0.966449	1.629658	1.109469	1.148954	1.01205
34.722832	24.996128	35.951065	42.54451	31.784193	39.676552
0.083896	0.031899	0.184299	0.053535	0.091288	0
0	0	0	0	0	0
0	0.479885	0.177439	0.132995	0.433842	0.067789
0	0	0	0	0	0
0.181984	0.433398	0	0	0.391205	0
0	0	0	0	0	0
1.075289	0.7758	0.429924	0.554471	0.329915	0.874633
0	0	0	0	0	0
2.015428	0.33877	0	0	1.093513	0
0	0	0	0	0	0
0.408509	0.335348	0.425723	0	0	0.308958
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
2.107011	1.412117	3.335595	2.041372	2.383533	2.410343
0	0	0	0	0	0
0.514152	0.206975	0.248725	0.172054	0	0
34.315449	0	0	27.341936	22.431662	0
10.476702	9.642416	8.790843	4.64818	5.289227	3.121577
0	0	0	0	0	0
0	0.096309	0	0.045734	0	0.061311
0	0	0	0	0	0
0.020915	0	0	0	0.01276	0.003629

0	0	0	0	0	0
2.976698	3.477781	4.376231	4.119538	3.843935	3.289563
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0	0	0	0	0	0
1.484837	0.150246	1.592443	0.86964	0.726368	0.801841
0	0	0	0	0	0
0.096965	0	0.054894	0.065849	0	0
7.729537	5.529022	5.346885	3.910351	4.671789	5.667031
0	0	0	0	0	0
6.003511	9.639631	10.094177	8.395248	15.700813	9.481483
0.19127	0	0	0	0	0
2.777237	3.554333	4.384317	1.952548	2.716837	4.410179
0.173404	0.129512	0.081649	0	0.141447	0
0.77726	0.232726	0.334011	0.49179	0.349306	0.332005
5.045617	4.506395	7.421648	3.783585	5.224123	4.525696
0	0	0	0	0	0
0	0	0.159561	0	0.215816	0
1.310567	1.151004	0.792989	0.407238	0.648943	1.039171
0.321213	0	0	0	0	0
1.717274	0.850212	1.182773	1.41589	1.259738	1.252611
0.305256	0.525373	0	0.090073	0.199733	0.044932
0.066945	0.101326	0.115938	0.080647	0.130532	0.190979
0	0	0	0	0	0
0.84433	0.834433	1.615195	0.563613	0.855642	0.696133
0	0	0	0	0	0
0	0	0	0	0.018225	0
0.371959	0.230152	0.528251	0.145345	0.517816	0
8.334555	7.501017	5.83711	2.671379	7.244964	4.908426
0.155309	0	0	0	0	0
0.17883	0.118764	0.644408	0.163216	0.32412	0.113456
10.122982	8.68935	16.584518	7.304753	8.764756	6.962508
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
1.510487	0.589399	0.810424	0.910811	0.887707	0.476642
0.127048	0	0	0	0	0.102711
0	0	0.190038	0	0.233417	0
1.37033	0.197075	0.08978	0.109856	0.161911	0.255494
3.082731	3.35478	4.156457	2.070688	3.044633	2.505985
0.474092	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0.033619	0
1.597987	0.309522	0.74954	1.487774	0.338076	2.354474
9.23859	7.763448	7.534076	5.201677	7.200954	7.662507
2.95203	2.691543	2.740892	1.436904	2.559572	2.761732
2.312159	1.851148	1.929631	1.507594	1.795895	1.342187
0	0.146032	0	0	0.11346	0.078872

0	0	0	0	0	0
0.648416	0.487243	0.097182	0.438543	0.188087	0
3.279465	1.720518	3.12684	0.797433	1.780608	2.630482
0.134597	0.271858	0.376639	0.16296	0.621337	0.165386
0.515184	0.218012	0.331568	0	0.275468	0.18444
0.265503	0.102146	0	0.059801	0.145771	0
0	0	0	0	0	0
0.095524	0	0	0	0.071025	0
0	0	0	0	0	0
0	0	0	0	0	0
1.241226	0.045147	0.644638	0.282325	0.069525	0
0	0	0	0	0	0
0	0	0	0	0	0
0.133897	0	0	0	0	0
0	0	0	0	0	0
0.801195	0.148224	0.115551	0.144629	0.169675	0.58975
0	0	0	0	0	0
6.956335	5.86506	12.792959	8.50857	8.788999	5.037126
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0.091663	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
3.648778	3.194075	4.271243	3.142699	2.987361	4.258473
14.913788	30.40739	18.595123	13.961822	30.652657	6.781259
5.577471	7.016833	4.280645	3.501608	3.976253	6.268378
0	0	0	0	0	0
1.46127	0	1.875896	0.36136	0	0
0.929474	0	0.10387	0	0	0
3.721782	2.149618	2.483247	1.813965	2.028435	2.407279
0	0	0	0	0	0
0.316038	0.111736	0.091474	0.051691	0	0
0	0	0	0	0	0
0	0	0	0	0	0
3.623269	5.187533	7.55485	5.101062	2.737823	4.208276
0	0	0	0	0	0
0	0	0	0	0	0
0.24427	0.104717	0	0	0.039957	0
2.529714	2.781687	0.869541	0.375268	1.20239	4.630928
0.178566	0.345745	0	0	0.261145	0.484095
0.270455	0.44086	0.300687	0.397948	0.779342	0.067682

20.486036	17.786406	19.703077	13.621443	17.358221	18.80481
0	0	0	0	0.117327	0
2.942246	3.346906	4.279543	4.709135	5.681005	3.598799
3.859756	2.55205	3.769398	2.416952	2.264031	2.42141
0	0	0	0	0	0
0	0	0	0	0	0
0.80177	0.462806	0.783754	0.127767	0.712787	0.933372
0.050831	0.068762	0	0	0.06408	0
0.783649	0.402006	0.630869	0.970535	0.416367	2.319181
0.180779	0.427935	0.977376	0.498484	0.671176	0.400625
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
7.94812	6.804837	12.706088	6.267538	9.501324	9.843611
0	0	0	0	0	0
0.156827	0	0	0	0	0.298645
39.449417	39.560604	29.544645	23.675894	23.593779	43.074394
0	0	0.057732	0	0	0
0	0	0	0	0	9.55302
0	0	0	0	0	0
0.175001	0	0.210516	0	0.284737	0
0	0	0	0	0	0
0	0	0	0	0	0
0.235571	0.057542	0.171593	0.258003	0.131297	0.465547
1.833883	2.226591	2.381741	2.499554	1.769365	1.766321
0	0	0	0	0	0
0	0	0	0	0	0
0.154418	0	0	0	0	0
0.646923	0.675282	0.572208	0.192146	0.176111	0.607548
0	0.040756	0.292681	0.038404	0.093309	0
0.524708	0.604624	1.189892	0.254233	0.634201	0.148379
0	0	0	0	0	0
1.396969	1.212524	1.559739	0.988563	1.145986	1.7422
0.598666	0.67854	0.985245	0.630231	0.497465	0.671318
0	0	0	0	0	0
0	0	0	0	0	0
3.516362	2.692624	4.640917	2.350043	2.680663	2.997421
0.228191	0.184593	0.290943	0.116986	0.147583	0.186155
4.962201	2.300378	6.009518	3.23975	4.22499	2.900061
0	0	0	0	0	0
0.075716	0	0.117267	0	0	0
0.517604	0.328638	0.573775	0.202855	0.324459	0.084675
0	0.382966	0	0	0.201915	0.25105
0	0	0	0	0	0
0.296524	0	0	0.198456	0	0.254189
0	0	0	0	0	0
0	0	0	0	0	0
0	0.736978	1.19248	0.178236	0.498797	0
0.046434	0.027793	0.02384	0.065966	0.104906	0.066351

0	0	0	0	0	0
5.933183	8.441089	15.049479	8.861943	10.604004	7.376197
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
12.726241	14.749655	20.402302	11.223306	16.269981	12.625433
17.422886	19.019274	17.601236	18.479321	16.687954	23.320559
0.352171	0.914969	0.847279	0.935177	1.150126	0.518376
0	0	0	0	0	0
7.151671	6.466775	9.931088	5.506977	6.548782	6.330797
0	0	0	0	0	0
0.258077	0.20666	0.154144	0.190517	0.112886	0.250143
9.261589	7.964748	7.076157	3.404948	5.722233	11.430105
0.116471	0	0.047712	0	0	0
0.394382	0	0.131949	0	0.17847	0.179488
0	0.119658	0	0	0	0
1.52372	0	0	0	0	0
1.85763	0.631159	0.434829	0.442244	0.31886	0.716904
0.460021	0.274282	0	0	0	0
0.317932	0.108979	0.165526	0.152101	0.274948	0.08672
0.857882	0.536472	1.51594	0.778821	0.921587	0.192537
0	0	0	0	0	0
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0	0	0	0	0	0
0	0	0	0	0	0
0	0	1.563181	1.458789	1.327413	0
0.745986	0.550522	0.467036	0.836775	0.401234	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0.172672	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
1.158045	0.77705	0.957089	0	1.140388	0
165.472229	175.031937	151.045639	141.887466	179.188385	176.745956
0.727786	0.903495	0.550913	0.141504	0.171588	0.50328
0	0	0	0	0	0
7.033562	6.993428	7.492565	3.541217	5.301956	6.414873
0.3523	0.102828	0.034571	0.06645	0.074192	0.026004
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0.20231	0.704218	0.241659	0.287674
0	0	0	0	0	0
0	0	0	0	0	0
0.693973	0.700799	0.233822	0	0	0
0.699498	1.238158	0.147079	0.143202	0.245001	0.401522
0	0	0	0	0	0
0.748661	0.6523	0.760052	0.553984	0.531179	0.220778
0	0	0	0	0	0

1.294115	2.201078	3.377901	1.140877	2.226234	2.790514
1.948922	1.585957	4.105286	2.055051	2.097199	2.520643
3.46907	3.009674	3.043227	3.571789	4.04564	2.356512
5.707489	4.003861	6.797266	3.175004	4.340244	3.984577
0	0	0	0	0	0
0.535629	0.471923	0.390924	0.171052	0.066019	0.590989
0.377617	0.02712	0	0	0	0
0	0	0	0	0	0
2.283472	2.738702	3.284973	1.924287	2.435081	2.893641
0.534778	0.136974	0.16602	0.059919	0	0.283963
0	0.244042	0	0	0	0
0.21471	0.883662	0	0	0	0.525993
0	0	0	0	0	0
0	0	0	0	0.078859	0
0	0	1.361602	0.674152	0.888044	1.014965
0.35342	0.139089	0.276202	0.310765	0.046822	0.278511
5.810686	5.709442	6.82578	4.929661	6.247555	3.778264
10.211737	8.484722	4.968137	4.16707	6.539627	3.369385
0	0	0.052462	0.07258	0	0.115095
0.604714	0.288401	0.331287	0	0.347859	0.37457
0	0	0	0	0	0
0	0.694346	0	0	0.340641	0
0	0	0	0	0	0
1.810198	2.111669	2.183345	1.84414	1.879445	1.638347
0	0	0	0	0	0
0	0	0	0	0	0
1.536961	1.32747	4.204564	1.420639	1.972004	0.25838
0	0	0	0	0	0
1.148137	5.737018	1.189766	0.63891	2.315964	0.397608
1.286945	1.135759	1.105619	0.653272	0.526884	1.480402
0.172983	0	0	0	0	0
0.883684	0.570665	1.145587	0.891992	0.845305	0.24885
0.107207	0	0	0	0	0
0	0	0	0	0	0
0.211297	0.202246	0.394066	0.056294	0	0.325192
0.399515	0.351969	0.171798	0.237614	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0.095982	0.32743	0	0	0.108039	0
0	0	0	0	0	0
2.338166	2.678961	2.713056	3.284518	2.024747	2.302632
0	0	0	0	0	0
0.270738	0.309657	0.902858	0.396911	0.815717	0.352808
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0.314881	0.205228	0
0.332436	0.095095	0.2601	0.224191	0.259671	0.030595
39.201291	41.873778	35.180088	25.465042	29.119747	40.364967

0.665746	1.212401	1.419186	0.654422	0.656255	0.561169
0.078521	0	0	0	0	0.479656
2.247963	0.9675	1.602835	1.013193	1.669479	1.560143
0	0	0.074358	0	0	0
0.159303	0	0.059397	0.082911	0.071691	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0.103077	0	0.103917	0.041391	0	0
0.179211	0.135576	0.052156	0.106312	0.272771	0
10.713946	6.119735	16.319399	4.728688	8.640935	6.737964
12.777465	18.444375	19.547805	13.435174	25.285159	15.43406
0.247022	0.094551	0.080022	0	0	0
0.090744	0	0	0	0	0
0.245077	0.442708	0.689112	0.246035	0.547559	0.167209
0.172625	0.905843	0.393644	0.279442	0.708632	0
1.206176	0.592662	0.900015	0.891885	1.155517	0.942615
0	0.169491	0.106627	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
2.139519	1.144807	0.300739	0.277915	0.462653	1.068652
0	0	0	0	0	0
0.400564	0.211132	0.11436	0.235675	0.44309	0.280015
0.396911	0.343213	0.753319	0.33895	0.541944	0
0	0	0	0	0.080708	0
9.223908	4.102075	6.853327	4.712535	4.793023	5.560031
0	0	0	0	0	0
0.153662	0	0	0	0	0
0	0	0	0	0	0
0	0	0.046496	0	0.084629	0
3.023522	1.14782	0.495594	0.254421	0.503301	0.565495
0.513182	0	0.256534	0	0.578297	0
1.761886	1.58256	2.666661	0.923829	1.019668	2.169863
1.391978	0.868924	0.575337	0.669886	0.178612	1.093184
1.880889	1.539966	1.131686	1.399649	1.488492	0.626739
0	0	0	0	0	0
0	0.210337	0	0	0.117429	0
0.210869	0.293555	0	0.396449	0	0
0	0	0	0	0	0
1.175859	0.646076	0.999999	0.506558	0.91388	1.114267
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0.315225	1.642792	0.396434	2.466064	0.139077	0.001565
0.311188	0	0	0	0	0
2.290332	2.257828	3.001427	1.412433	1.996606	0.85383
0	0	0	0	0	0

0.136673	0	0	0.181922	0.089826	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0.051946	0	0	0
0	0	0	0	0	0
0	0	0.293639	0	0	0
0.228529	0	0.066331	0	0	0
0.60382	0.471216	0.119642	0.165523	0	0
0	0	0	0	0	0
0.627781	0.632014	1.509546	0.534459	0.854363	0.564744
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
2.199423	1.635141	2.590059	1.991156	1.349868	1.796
1.96662	3.902959	5.478339	3.543075	3.234069	3.18403
0.106645	0.058187	0.260203	0.06813	0.244861	0.062839
0	0	0	0	0	0
0.245077	1.150493	0	0	0.313049	0.364359
0	0	0	0	0	0
0.40538	0	0	0	0	0
0	0	0	0	0	0
1.477595	1.463025	1.758133	0.417692	0.507977	2.056979
7.943846	4.997787	5.256926	2.848541	2.720323	5.313507
0	0	0	0	0	0
0.848598	0.483958	0.425358	0	0.658427	0.775119
0.098414	0	0.179206	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0.241388	0.224325	0	0.301262	0
6.919539	4.270477	4.573045	5.598296	4.161138	1.539086
8.361919	5.154283	4.681447	3.221056	4.705859	7.549684
0.069147	0	0	0	0	0
0	0	0.016464	0.068334	0.044537	0
0	0	0	0	0	0
0	0	0	0	0	0
1.064337	0.273721	0.609851	0.381354	0.748632	0
0	0	0	0	0	0
0.316149	0	0.212358	0.526103	0.509375	0
0	0	0	0	0	0
0.352493	0.147854	0.289044	0.216796	0.12861	0.093874
0.211241	0.431228	0.350363	0.37869	1.411792	0
2.788963	2.542734	1.754115	0.945482	0.800385	2.136075
0.906351	1.227548	0.883148	0.581991	1.132136	1.441063
9.030156	6.855505	7.53509	5.100149	7.983184	3.732649
117.602005	86.016876	38.091988	63.114723	57.001957	225.17746
0	0.865793	3.320117	1.530763	0.324894	0.757067

0	0	0	0	0	0
0.287125	0.513411	0.195123	0.134975	0.329197	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0.684924	0.803508	0.701522	0.052462	0.669282	8.778709
23.711458	27.011278	34.231213	21.472712	23.741749	29.896009
11.843287	14.012046	14.052976	6.677805	9.023511	15.576225
0.880308	7.491278	0.085247	0.527577	0.323614	4.021668
0	0	0	0	0	0
0	0	0	0	0	0
0	1.591887	0	0	0	0
18.940685	24.329418	21.573172	29.457918	27.998154	25.274866
17.041475	11.287652	11.532589	8.199957	9.019373	12.68622
3.664375	3.253084	4.218783	2.737632	3.809289	2.883138
22.782519	16.725451	9.81708	9.120534	9.532766	34.709379
105.680853	115.173579	91.916486	76.997882	91.856234	104.993228
0	0	0.113721	0	0	0
7.830672	6.538485	6.657832	4.714391	5.949271	8.133096
0.338318	0.917914	0	0	0.302533	0
47.521843	52.402657	47.318817	41.550503	44.675461	60.591923
4.035344	5.153348	5.825812	3.63703	5.142598	3.781638
26.960985	26.868189	19.253839	16.63431	13.335161	26.197237
2.313339	3.127325	5.528432	3.477821	4.309203	2.010002
6.010082	5.514184	4.856954	4.83715	4.831954	5.179071
0.361457	1.211704	0	0	0	0
30.552723	30.486431	32.73867	26.491215	21.819769	34.592789
1.170161	1.367485	2.167929	0.983089	0.863491	1.042337
18.135105	11.474847	9.459766	7.446263	14.847788	4.115362
1.465441	2.025802	0.903015	0.373381	0.729548	1.251321
9.239391	4.538645	3.966332	3.444267	8.57332	3.025063
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
5.036389	7.231326	9.880015	5.778386	7.35879	6.814212
8.465837	10.727631	11.181935	7.481424	8.288692	8.646138
0.031461	0.051311	0	0	0	0
1.418881	1.680618	3.081145	3.436427	4.170715	1.939468
0.145083	0.506195	0.115524	0	0.191292	0
6.186502	6.412188	8.411162	4.461023	6.818941	5.971273
0.779758	0.507027	0.258031	0	0.039851	0
0.179134	1.700181	0.053566	0.29643	0.24102	0.066929
2.564794	1.676434	1.411973	0.165355	0.534976	0.105447
5.703117	6.014462	7.132013	3.79274	4.540868	7.082514
0.139379	2.114618	0.097352	0.405095	0.090222	0.243666

4.965593	7.578335	9.660618	10.266989	12.834096	12.41833
13.862103	11.808857	17.976238	13.64369	15.698321	18.127602
0.712276	7.123682	2.053477	2.930237	3.271187	0.206558
0	0	0	0	0	0
4.223053	3.905405	3.221059	1.98349	2.115064	4.435983
3.160017	3.153111	2.938033	2.45007	2.195399	4.209005
5.540543	6.825474	10.042678	4.877592	6.599678	8.137691
0.498518	0.234563	0.757234	0.183098	0.479038	1.333952
24.83066	19.64324	25.774223	19.874807	23.23715	19.612091
2.342177	2.74905	4.528954	1.900323	3.195418	1.79261
0	0	0	0	0	0
0.121585	1.698947	0.14315	0.377778	0.534896	3.930978
4.905369	6.973104	3.665179	3.147659	7.380789	3.337808
4.337371	2.499842	2.994455	1.487208	1.671234	3.793103
15.192528	13.159698	27.238903	8.259291	9.971024	11.47235
0.274518	1.223118	0	0.106092	0.150465	0.575423
0	0	0	0	0	0
1.68577	1.728034	1.004011	0.80389	1.757568	1.111289
10.126165	9.158062	9.416374	4.264241	6.859166	10.59374
3.583664	3.915019	4.361875	3.367752	2.845047	5.807583
13.374626	15.40633	13.210323	10.817698	12.160215	22.428553
12.351697	11.791543	18.504679	11.284755	14.469691	13.534106
46.711494	36.264626	31.065859	27.03126	26.36533	47.131496
63.227905	54.316151	46.590237	36.257107	40.288296	60.087864
43.313892	39.284394	31.653862	22.303638	26.588969	51.739205
15.973871	14.23312	15.928019	11.495422	13.399321	17.123655
20.278564	13.83169	10.767797	4.517365	5.514713	17.243706
9.492098	8.367271	5.937206	4.630442	5.813756	14.483779
1.302722	1.164484	0.316797	0.244461	0.561592	0.391532
0.206268	0.070453	0.182531	0	0	0
0.116079	0.995341	0	0.067438	0.131861	18.814426
0.248733	0.53197	0.089844	0	0	8.633229
2.369135	3.660922	4.261258	2.66048	3.979435	7.08196
5.298575	4.124436	4.875425	2.8375	3.589496	5.351928
25.068036	24.871586	25.233214	16.988313	20.7965	30.681974
16.004416	8.896399	0	1.81494	4.529732	60.288784
61.348026	45.218056	50.255646	31.189676	35.892101	65.37001
0	0	0	0	0	0
4.355295	4.515384	5.798996	3.787092	4.6367	5.505828
21.427945	21.98426	20.687048	16.11377	18.828349	21.218285
11.091962	16.490408	13.491428	5.385054	8.283596	14.252981
1.533062	1.626591	1.240827	0.164402	0.403449	1.340152
19.749004	20.581207	26.438772	16.485777	22.350698	22.015791
0.042822	0.134132	0.09322	0.04299	0.042029	0.146081
43.031754	41.61779	32.405411	23.484457	27.351768	46.470226
10.779021	8.942016	9.26883	7.077506	7.907536	11.004508
13.383845	15.603937	9.981098	7.004036	11.187161	22.322849
15.150442	19.044186	31.428299	21.462439	26.494986	25.179422
0.548349	2.857271	0.477899	0.121313	0.790677	4.797738

25.029897	23.266604	21.706144	14.580827	22.6227	18.732439
14.992826	10.264783	11.14286	9.923347	9.921749	15.74583
2.001605	3.343505	2.506894	2.415225	2.7848	7.071092
10.921782	14.472285	11.660773	7.89483	10.761492	13.145186
22.520282	18.367835	19.67656	17.049063	19.242051	18.805613
3.947969	4.172181	3.212915	2.972928	4.008144	2.552416
7.633628	13.597747	9.021966	8.675178	2.289202	9.714365
8.417968	0.097185	0.742748	0	0.031786	0
11.023399	11.867381	22.786552	9.582782	14.196384	11.045461
11.940977	11.112671	16.685157	12.318417	13.513844	5.348063
4.191206	3.160462	4.698005	3.596852	3.957176	5.874962
0.998551	0.40733	0.027829	0.102397	0.279501	0.289681
0.526618	1.04658	0.20161	0.201957	0.164097	0
0	0	0	0	0	0
19.796005	19.556013	30.606486	19.147242	29.867424	25.063366
4.317806	0	0	0	0	0
131.218719	86.234787	69.520477	84.968559	75.190392	99.353058
4.261439	3.908401	3.497429	2.924267	2.822477	4.601019
12.7808	15.226502	18.090776	13.166861	17.909182	12.060997
3.602886	4.426412	4.778713	4.244212	5.791482	3.840134
37.216644	45.226288	23.487749	18.463064	24.906101	56.988266
16.93568	33.566013	9.332376	7.576965	8.860227	17.411911
44.40097	78.955055	42.847446	34.017262	41.559357	49.457466
4.26303	4.861736	5.63975	3.356288	3.881421	5.517909
0.478597	0.24209	0.064916	0.048022	0.048297	0.073179
1.523146	2.400879	2.880162	0.804706	1.867752	1.783616
3.946155	6.53765	3.24493	2.614038	3.094557	5.491523
0.924076	0.743799	1.257632	0.575505	0.947764	0.882579
8.722965	7.301812	7.524984	5.915143	6.425771	7.049443
10.068141	10.612727	14.618585	9.397566	9.685017	12.163961
53.895508	45.112217	48.704975	44.20034	37.264931	51.007458
35.759518	44.036354	39.090248	22.716663	30.051174	36.482628
27.980453	36.163498	33.216564	22.413586	26.334316	38.186447
11.442185	11.807034	9.880859	8.942793	9.45038	8.882263
41.964172	57.6647	42.461468	33.213387	40.335106	46.34222
39.872154	54.95768	70.708328	44.398838	42.264931	46.264915
6.878904	4.517926	2.727962	2.689236	4.479915	3.026021
9.574186	10.994165	13.179449	8.668598	10.457525	9.247075
11.300232	8.944428	12.467449	5.520748	7.522142	8.974488
25.734684	38.776463	24.779604	19.481693	19.511389	30.495481
11.334441	15.61635	13.120787	8.610532	9.382778	11.184416
3.016928	9.90907	1.993027	4.241174	5.95043	0.385736
23.486893	18.696756	15.631908	17.786726	20.015217	14.056267
7.874272	8.904297	13.874138	11.201864	13.520896	18.656122
5.985189	8.517961	6.712494	5.069269	6.201628	4.150945
32.187249	39.729708	34.917772	32.892734	35.006254	34.538358
0	0	0	0	0	0
2.515144	2.112204	4.576948	1.988409	2.584531	1.511305
0	0	0	0	0	0

21.103249	21.749922	25.191366	17.425276	21.546324	17.700111
12.114557	6.956312	5.760138	4.268769	14.311476	89.083654
0	0	0	0	0.06276	82.643272
0	0	0	0	0	0
0	0	0	0	0	0.827518
0.946972	0.989987	1.137315	0.788186	1.061124	0.39455
9.552859	8.532282	6.682239	5.368127	4.661448	6.915848
0.956639	0.131989	0.240423	0	0.087346	0.391675
67.693001	87.347401	78.215602	55.338864	62.089607	70.296117
3.162877	0.955966	0.76207	0.195927	0.965467	0.197045
0.06864	0.452348	0.45706	0.680979	0.960656	0.308076
70.024336	80.826285	72.037361	61.881573	63.178661	70.830982
0.357519	0	0	0.072363	0.104231	1.016026
49.078368	64.672852	49.466074	37.505535	44.873963	49.134687
0	0.140733	0	0	0	0
0.147943	1.618646	0.125212	0.265102	0.255237	0.688496
0.360552	3.706413	0.276903	1.555993	2.063987	0.593503
9.571584	12.56469	11.216558	5.821157	9.31776	12.262125
81.976204	72.914368	77.310486	55.394871	62.145218	106.937416
2.555743	1.723905	3.039532	1.6995	2.145757	1.780398
0.337267	0.26797	0.28325	0.369698	0.097073	0.367768
2.540421	1.273369	0.926383	0.371748	0.820586	3.138733
0.47199	1.406693	0.248156	0.791508	1.0025	3.072399
56.440048	70.224487	65.659416	79.433975	72.635643	86.458282
2.82987	2.999328	4.948375	4.631134	3.234944	2.234467
0	0	0	0	0.066746	0
0.424152	0.685091	0.329585	0.361018	0.346103	1.116727
0	0	0	0	0	0
0.104147	0.070582	0.181629	0	0.122833	0
57.943973	70.247551	53.498051	42.287245	46.598595	72.970041
12.653607	15.45567	12.579388	9.747116	10.091894	15.19595
31.946613	22.512865	27.233454	27.050217	22.042122	33.114487
20.897968	33.758936	28.04389	19.014335	22.119974	30.556584
0.592394	7.644427	0.340975	0.844812	1.707525	0.64348
12.652251	9.741018	16.176311	7.282817	11.061567	13.463148
0.211829	0.147038	0.077112	0.160027	0.208599	0
15.457906	16.908565	17.591174	16.498695	9.416854	18.790786
20.952408	11.593353	16.08667	10.402405	13.468636	12.958606
56.665463	65.859926	28.657421	21.04632	81.624418	55.967991
18.247311	25.73073	24.872221	23.67053	24.32526	25.566864
0.401722	0.457083	0.196631	0.135564	0.628066	0.577286
0	0	0	0	0	0
0	0	0.105593	0	0	0
8.968428	4.381864	14.672066	9.397095	13.836961	6.77128
0	0	0	0	0	0
8.085439	9.271649	14.894247	12.142659	11.33091	13.149129
0	0	0	0	0	0
6.669546	13.101523	12.564416	8.298496	10.925341	18.884159
5.796002	5.736645	8.617511	4.393737	4.783841	6.664161

7.70755	11.914645	6.120669	3.3284	3.616305	5.719391
5.717619	5.94583	6.066045	4.698159	5.832186	9.544287
12.699716	11.923062	14.043694	14.430562	19.38745	12.690997
56.604328	58.718254	39.161137	23.731167	29.14283	142.675186
3.415727	4.532817	6.788586	7.193811	7.373695	5.8977
1.706561	11.22623	0	0.43375	0.142654	0.583112
0	0	0	0	0	0
0.093251	0.188131	0	0	0	0
0	0	0	0	0	0
0.241259	0.678804	0	0	0.119792	0.226782
1.880269	0.737401	1.264745	0.483796	0.962773	6.577897
1.123632	3.751305	2.143131	1.859173	2.158749	1.514451
0	0	0	0	0	0
0	0	0	0	0	0
937.085968	1.285963	0.140432	0	0.189943	4.799413
142.613693	64.700012	19.889021	28.861168	41.219814	139.056732
3396.065918	3173.709961	1989.259521	1567.406372	1913.275513	3652.41748
0.013144	0	0	0	0	0
1.910245	0	0	0	0	0
789.010986	709.695374	594.736511	588.674377	584.447876	810.333374
73.947609	20.949322	8.162632	13.788869	22.059006	268.946655
0.101277	0	0.138816	0	0.0994	0.55279
0	0	0	0	0	0
52.409145	43.555855	36.751942	26.420742	29.470858	53.636608
0	0	0	0	0	0
0	0.086661	0	0	0.148142	0.103441
0	0.137585	0	0	0.104996	0
0	0.047604	0.078428	0.111477	0.054493	0
99.486229	96.395798	122.423042	89.391777	106.403336	118.228096
20.21349	0	0	0	0	0.155715
81.358994	0	0	0	0	0
100.019478	99.921112	113.033096	75.572762	93.824707	129.167465
17.678953	17.064095	16.61322	15.671489	16.587048	20.716528
66.171837	55.252235	55.533234	36.751411	41.815727	65.156799
42.414646	37.522701	38.818504	28.515537	34.869518	47.390034
79.341408	59.380043	48.495811	39.293854	38.395824	67.638206
163.9263	150.25029	114.990528	108.646705	105.523041	172.01683
0.793991	0.718602	0.22092	0.178389	0.40182	0.333399
4.164375	4.802227	5.930824	3.250359	4.778773	3.515021
6.520284	6.322531	5.189919	7.025715	6.875088	6.934786
16.183678	15.049874	14.079688	10.311814	11.922837	13.081901
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
19.456526	29.702329	36.127223	23.872691	40.451519	29.030188
6.313259	5.598287	10.450409	5.009145	7.488285	5.578821
0	0	0	0	0	0
1.479455	1.128277	1.665488	0.80161	1.570971	0.989522
0.636028	1.836133	2.171518	1.059881	2.178496	1.696712

10.153713	6.969752	4.792265	4.069103	6.014791	5.161981
14.588171	13.382684	11.416298	8.622417	8.901908	36.009994
2.210806	7.909981	1.591643	2.484139	3.312126	5.755071
34.535522	54.805893	56.443462	63.204521	61.996567	47.232975
26.82246	18.463661	13.061799	8.122637	10.529283	19.20599
5.660455	4.035753	1.757551	0.749414	2.379815	156.215015
0	0	0	0	0	0
0	0	0	0	0	0
2.914342	3.091536	3.328154	2.232428	1.830597	2.665892
26.986078	25.336351	24.230938	16.756046	21.971092	25.041468
0.45945	0.418793	0.647826	0.208588	0.523655	0.201932
7.8409	2.769064	7.007163	2.003611	2.932048	2.927233
81.9759	89.270432	81.931349	49.028503	64.812139	81.627368
16.793571	16.230492	15.350233	10.731351	16.291075	14.313944
0	0	0	0	0	0
10.247954	7.793817	3.548871	3.439755	7.605758	3.85744
1.108994	0.813983	2.133651	0.30733	0.607193	1.228037
0.184311	0.133924	0.455161	0.092075	0.12054	0.332658
0	0	0	0	0	0
0	0	0	0	0	0
0	0.178799	0.264753	0.229624	0.127379	0.241672
0.267221	0.192605	0.171117	0.033547	0.074041	0.12002
0.578136	0.594252	0.336099	0.17227	1.173102	0
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0	0	0	0	0	0
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0	0	0.047154	0	0.029486	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0.109627	0	0	0	0.219554
0	0.079897	0	0	0	0
2.205693	0.573792	0.569179	0.096116	0.686684	0.523666
0	0	0	0	0	0
0	0	0	0	0	0
0.937116	0.608247	0.552495	0.245184	0.426898	0.432527
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
43.134618	30.560247	64.217445	46.649799	74.499653	11.883721
28.494065	22.771524	32.529909	21.599711	30.0593	31.609183
0	1.232777	0	0.682916	0.369496	2.017872
9.86626	8.216266	18.950823	13.324172	20.456425	7.92253
15.013082	17.402841	24.255097	11.003314	17.620764	10.229542
2.255572	2.150594	2.225508	1.912321	3.175153	0.928786
0	0.050087	0	0	0.152458	0
6.463125	6.332128	11.139159	7.283649	8.085442	6.973629
4.483596	0.98135	1.539522	0.211103	0.500188	0.706378

4.909828	1.746058	1.425889	0.475792	1.352025	2.639841
0	0.021619	0	0	0	0
0	0	0	0	0	0
0.162465	0	0	0	0	0
36.833447	25.760443	17.520217	11.916523	30.289468	16.201992
0.043558	0	0	0	0.053439	0
0.650688	0.299459	0.158777	0	0.153143	0
13.307302	14.655313	12.317357	10.62956	18.165136	10.30923
2.730778	1.120164	0.774967	0.571856	0.778161	0.508604
1.165544	0.328948	1.300015	0.344242	1.014561	0.606745
3.733178	3.505415	6.461823	4.99458	8.310209	3.06222
0.355768	0.143544	0.075929	0.117933	0.081611	0.47004
2.522042	1.443133	2.014424	1.111975	2.602838	1.458045
2.797374	1.94443	0.816791	1.137887	1.609308	0.700622
0.194872	1.725922	0.937986	0.58292	2.264502	0.387314
1.95637	3.801922	7.015462	3.540901	5.510492	3.427345
15.475675	22.176289	35.172481	23.186921	31.333309	12.382771
8.976946	8.158358	12.427346	5.84125	9.828252	7.457489
7.979764	9.327077	5.547208	3.735468	4.361379	12.213188
8.788831	3.415843	6.011195	2.294468	4.444513	4.692407
11.467788	8.062622	10.177015	5.380693	6.362561	10.50771
5.30539	5.113559	7.477077	4.186403	4.772324	4.334286
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3.31946	3.447398	5.682511	3.683458	3.490323	3.077152
8.239432	9.116822	9.99113	12.443547	9.668777	9.980558
2.620949	1.973643	4.148041	1.413297	2.531203	2.202884
7.620906	6.5299	7.325733	3.64492	6.15864	5.53211
4.987501	4.939288	6.100952	3.685001	4.125509	3.392376
7.573317	4.451582	2.058486	0.907011	1.887229	1.703433
11.555191	8.2359	6.219313	4.936086	8.791258	6.835404
11.01343	10.754865	15.439408	9.661257	12.34257	15.461621
0.238522	0.264902	0.159822	0.191979	0.441404	0.113606
0	0	0	0	0	0
0.359738	0	0.195943	0	0.060005	0
6.491697	4.264203	4.671995	1.99799	3.57283	4.316507
3.437351	0.87917	0.888993	0.648208	1.130321	1.36796
1.330109	0.179623	0.261313	0.03016	0.116765	0.396558
18.878525	23.190681	34.572231	22.765503	33.866508	22.683531
18.193386	13.112361	13.460001	6.048252	9.157471	13.684962
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1.223767	1.33996	1.727058	0.503127	1.12649	0.905233
0	0	0	0	0	0
1.623631	1.640589	1.784266	0.572489	1.732113	0.596672
38.716818	37.925563	54.853569	31.957224	44.875028	32.632201
1.370181	2.926501	2.741681	3.278816	2.328872	1.677687
9.19375	9.440489	7.494551	7.58408	10.06591	6.566292
0.337946	0.465692	0.198949	0.350187	0.350937	0
0.25496	0.149021	0.034467	0	0.046828	0
9.731392	11.799693	13.665494	9.212687	12.9694	11.221632

25.051907	32.747265	35.341866	21.385439	32.044209	25.323532
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0.521098	0.68903	0.436771	0.173882	0.503852	0.089928
0	0	0	0	0	0
7.388754	3.913091	4.398583	1.44962	4.715051	1.861675
34.425308	9.393377	16.724459	6.518038	13.284149	17.061838
0.23892	0.092841	0	0	0.128501	0
6.798713	13.734783	8.530979	4.832301	10.241365	2.978392
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0	0	0	0	0	0
0.073581	0	0	0	0	0
0.296693	0	0.053523	0	0	0.084626
3.296511	1.460134	2.206084	1.257535	2.414722	1.21688
5.591796	11.294454	9.494074	7.358686	14.775554	5.127611
1.097565	0.193176	0.209891	0	0.582476	0
0.579602	1.229923	0.406309	0.561714	1.542024	0.127626
1.976427	1.48056	1.246436	1.020301	0.766109	0.756916
0.254882	0.331968	0.254817	0.093843	0.080277	0.25447
0	0	0	0	0	4.292778
10.571253	13.35238	13.649751	7.857355	13.950299	10.288549
5.559823	4.758256	4.571827	3.207018	4.85437	4.651511
1.56152	2.908538	9.488995	4.727574	6.340973	3.946619
2.700231	0.78237	1.246737	0.371433	1.196949	1.028248
0	0	0	0	0	0
28.680124	103.840958	1.890864	8.309394	13.309508	87.416412
0.747729	7.10769	0.33631	0.150441	0	2.774754
60.868969	71.595474	69.767624	62.471092	58.522816	74.42836
0.136266	1.228086	0	0	0.106992	0
0	0	0	0	0	49.433929
1.074871	1.273339	1.545077	1.046288	0.355479	1.44243
0.835556	1.598332	0.430246	0.218782	0.260788	0.099125
19.160955	23.512495	17.048927	14.622119	17.309139	21.659918
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71.359096	64.19073	60.176717	50.671615	63.749747	67.287201
41.873699	41.746971	66.494743	36.47596	40.538429	65.195946
15.063298	32.231646	17.634271	19.121018	15.166023	25.822135
4.90067	9.05543	20.035719	21.440853	41.857574	2.20903
1.412305	1.902616	3.035652	3.113215	3.088997	0
15.834004	16.834099	24.122583	15.804169	21.829193	17.51353
4.80639	4.797546	7.409462	4.058483	5.270475	5.567581
9.512528	9.920197	8.993356	5.500677	7.272176	8.880096
0.184517	1.459058	0.180089	0.287443	0.596393	0.094466
0.51412	1.117521	0.337198	0.522382	1.400714	0.476101
6.786933	5.139091	3.264622	2.579403	4.739791	6.126294
2.33538	1.971197	1.132239	0.673844	0.753132	1.767392
18.868803	17.954828	23.164274	14.380091	17.149323	23.496099
42.432407	46.552467	42.735279	34.538754	40.112324	44.89436
4.105775	0	0	0	0	0

21.363216	21.294346	19.059589	13.278451	17.025021	17.412577
10.123639	8.240798	8.500938	9.314936	9.69471	13.285358
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0.439847	0.690161	0	0.293503	0.158989	0
4.560952	4.416484	6.439488	2.564342	5.755299	4.826566
7.565828	3.481867	2.122654	0.938184	1.974165	5.120649
0.096041	0.342404	0.08389	0.057902	0.397893	0.065877
0	0	0	0	0	0.032
0.151347	0.993803	0.442537	0.424774	0.239583	0.378895
6.413906	6.921136	9.756737	3.938277	5.376441	4.934913
0	0.163214	0	0.046594	0	0
54.792566	45.722713	45.34697	26.044184	34.617729	40.486096
1.562864	1.201484	0.859078	0.469707	1.153819	0.656352
59.809551	53.447723	48.24366	30.464056	36.792046	60.492062
13.181906	14.004022	15.468704	10.179697	10.748183	18.535461
41.048542	43.665203	50.82222	47.319744	41.028133	46.762295
28.851942	24.529507	25.174738	23.495972	30.523241	17.483494
1.012646	4.646357	0.193849	0.386933	0.58006	5.713303
148.096359	105.208324	108.551281	75.872852	129.364364	91.766758
18.110156	15.732518	6.023721	13.320458	10.669475	12.218524
21.570781	15.613616	9.025816	6.168963	6.655622	15.319226
103.622009	130.576004	85.252642	61.24674	76.847784	118.807198
0.574404	0.18493	0	0	0	0
0	0	0	0	0	0
55.371426	43.676197	23.496563	15.097754	22.740335	45.198822
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14.391001	6.082466	1.103096	0	2.984014	0
0.819386	0.157146	0.477226	0	2.063413	0.926835
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0.022155	0.057442	0.005438	0.013344	0.124204	0.018139
0	0	0	0	0.156262	0
10.346327	8.461695	11.453351	8.551387	11.546348	8.162061
3.604954	0.886907	3.710793	1.059725	1.278487	1.152482
0.786867	1.065788	0.388392	0.075907	0.092763	0.580191
7.826572	5.985373	7.310945	5.01491	6.448691	7.651211
0	0.072249	0.036885	0.153088	0.049889	0
0.114609	0	0	0	0.040879	0
9.604403	8.562931	13.346902	8.872776	12.009835	9.58122
18.972994	14.283189	16.479064	9.771695	11.051618	13.820061
26.766796	26.775097	36.364052	32.246849	34.104729	29.47769
0.560856	3.56594	0	0.263159	0.220874	0.794721
4.340421	5.145728	5.055293	1.631701	2.383395	1.763461
2.982052	4.440607	1.004293	0.597475	1.806239	6.298971
18.913047	15.123142	12.419523	11.559027	11.69758	15.795697
24.76355	26.129005	23.678089	18.344217	23.127258	23.476553
5.068511	6.343877	8.645355	4.70503	7.75945	6.072148
1.204163	0.86433	0.816774	0.247221	0.393996	0.501946
33.174206	36.981845	36.026899	23.877014	31.322629	28.948816

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0.414455	0.397911	3.770096	0.375735	2.39624	0.300846
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2.53876	2.361187	7.022359	3.460447	6.160946	2.46068
2.970535	2.425043	5.995239	2.383137	3.314527	1.816919
12.446512	12.467072	13.713392	12.522618	13.725957	13.027767
8.276692	8.324902	13.024423	5.624177	10.054708	8.233058
15.858294	12.534238	10.595915	6.635396	7.883397	10.649456
5.920148	6.693642	6.487528	5.3427	5.58424	6.55198
4.930347	3.825804	6.257678	4.44322	5.475045	3.528043
1.335662	9.025913	0.180278	0.597115	0.421531	0.920454
0.58973	1.118652	0.446971	0.353145	0	4.185207
6.59159	5.537605	8.370716	5.108983	6.726633	5.218655
4.313163	4.726228	9.540205	6.509883	7.783556	4.847246
0.903342	0.650034	1.30701	0.635523	1.282264	0.532536
1.377429	0.650527	0.751302	0.498488	0.580848	0.444389
64.217875	64.173671	53.077867	37.187633	50.261578	69.402039
13.714422	30.557522	14.272738	10.956274	14.351007	49.730267
14.01353	17.498493	17.73657	10.732111	13.661037	12.294878
28.489637	26.282442	22.70376	13.632822	18.714399	26.409534
12.614537	11.828844	9.276173	8.545325	9.354691	11.956697
41.284763	42.012817	32.785599	22.106066	26.492958	36.420612
6.090567	6.337375	8.092313	8.590281	8.822308	16.123665
10.315053	7.82153	7.527055	6.257258	6.031292	7.681478
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13.305017	18.71866	24.628189	17.229315	24.461176	19.973949
0	0.090325	0.152978	0	0	0
4.735682	31.230227	7.163191	7.418511	11.012424	6.658811
6.999805	5.191596	7.423752	5.719201	7.326886	2.932467
1.023212	1.997688	0.457208	0.400017	0.839635	0.204347
0	0	0	0	0	0
0.23713	0	0	0	0	0
16.381509	13.091655	11.958236	5.45399	9.142401	10.820852
0.971685	3.620609	0	0.434351	0.334973	1.260458
0.398103	2.582013	0.151109	0	0.275783	0
9.132967	7.172139	9.736562	6.303535	7.227646	9.299923
23.9286	27.4916	21.101023	17.182867	18.370163	29.167734
36.262375	31.349667	41.070545	30.834579	35.356155	33.517029
3.921613	4.691319	4.5557	2.74788	3.434467	8.581651
5.88199	7.735517	7.953586	5.026467	8.00007	4.458626
1.975554	1.618193	1.375137	1.047687	1.428341	0.96512
80.151667	84.451824	160.291004	88.322236	90.955325	82.552096
4.076603	8.25351	8.898658	8.075243	12.848167	4.759296
0	0	0.139868	0	0	0
140.846634	167.940262	96.718697	86.316452	84.314987	167.198792
13.077329	8.444658	6.493406	7.564285	5.083738	6.454878
53.833467	760.334345	53.639195	198.113602	330.334839	48.019821

0.860859	0.631646	2.527347	1.199433	1.346269	1.062734
0	0.081224	0	0	0	0
1.649496	9.864503	0.127116	1.389034	0.901772	1.976449
0	0.185896	0.046465	0.080356	0.074975	0
16.167456	12.746553	14.988848	11.66741	12.008104	14.346928
0	0	0	0	0	0
0.042558	0.562903	0.061626	0	0.152969	0
68.109612	66.121414	80.558914	75.793396	89.523529	66.944603
0.077589	0.036302	0.011351	0	0.030706	0.430039
1.821633	0.427299	0.466941	0.609107	0.805388	0.804139
2.157269	2.011077	3.192729	1.627656	2.923592	1.495491
2.780381	1.337595	4.524806	1.893549	2.894652	1.288017
0	0	0	0	0	0
1.646039	1.519732	1.393116	0.873392	2.119305	0.915362
11.188643	13.58067	9.080894	6.84023	8.09428	12.077276
1.720344	0.996033	1.137452	1.027141	0.779554	1.97195
37.108551	35.697599	53.423161	31.073727	24.845028	42.321823
0	1.277237	0.368747	0.603236	0.643543	0.479372
0	0	0	0	0.02415	0
4.863802	4.700658	5.635565	5.155647	5.731227	4.483515
0	0	0	0	0	0
13.219519	4.075584	4.210605	2.597649	4.327209	4.033502
0	0	0	0	0	0
0.661401	0.965279	0.586915	0.260015	0.699551	1.856688
54.612976	27.614246	16.323683	13.493388	16.957022	24.532532
22.792501	25.303032	27.452359	19.224372	22.607955	20.752916
5.340997	3.087531	3.030615	1.719977	2.132112	0.898942
13.640502	13.440567	15.862711	10.654209	12.656126	15.948819
0.226666	0	0.149739	0	0	0.154648
0.060953	0	0.014743	0	0	0.013862
0.085092	0.054475	0.058247	0	0.125274	0.07257
4.030809	3.450895	3.093285	1.949893	2.363524	1.951319
0	0	0	0	0	0
24.546352	19.208456	17.379208	16.353764	15.736677	20.78797
46.309219	18.209505	7.888767	11.521783	10.565907	22.320232
8.230813	5.551049	5.968848	8.197887	5.642645	11.046552
22.541464	18.408299	20.547889	13.100442	13.179138	24.827423
12.569894	16.468622	16.0695	12.694568	14.479746	10.373716
0	0	0	0	0	0
14.965226	20.082111	16.702034	18.326975	25.986019	25.462233
2.200183	1.435552	1.47258	0.631357	0.846731	1.530399
0	0	0	0	0	2.822289
7.777623	4.842748	5.514177	4.297043	4.760071	5.538674
98.215309	101.788773	120.017906	147.016373	123.3769	126.706718
44.01776	37.819159	36.963456	33.765252	35.056055	47.533759
22.395548	26.747059	23.2526	24.203957	25.10083	23.142716
0	0	0	0.145808	0	0
0	0	0	0	0.147012	0
6.512579	3.618221	9.466349	8.37887	9.104623	1.929145

0	0	0	0	0.047999	0
10.924673	7.444784	10.670714	5.896242	8.990785	8.639758
10.166908	8.576131	5.573687	5.604881	6.493865	8.388643
73.050234	45.904106	28.983646	19.683141	31.16303	30.808631
96.166966	96.494679	78.801993	74.993329	83.176626	110.729877
17.525492	18.669325	15.083311	8.166807	11.051346	22.18718
4.933554	7.085875	8.259992	9.595407	10.899526	3.203171
7.825912	10.131379	16.725372	11.840437	11.224911	13.193231
61.89185	55.082512	42.325375	37.863247	37.101635	68.463135
0	0.167998	0	0	0	0
1.161273	2.464372	0.386435	0.193438	0.095032	1.247691
27.180143	29.779716	28.478804	20.596369	21.264242	28.166122
5.417362	5.516195	6.055701	4.790393	5.056695	7.095591
5.714437	4.654305	5.343835	4.423559	5.072221	4.749671
3.573579	1.10295	1.336594	1.091605	1.681882	1.167837
12.662457	8.528804	10.005353	4.820528	8.784421	7.145079
0.127247	0	0	0	0	0
0.631163	0.562477	0.615998	0.24	0.455547	0.284311
2.277637	5.153425	4.361664	2.648335	4.154356	2.741363
0	0	0	0	0	0
0	0	0	0	0	0
1.258529	1.91187	0.748335	0.44197	0.332847	1.383345
0.306761	0.176867	0.15456	0.033508	0.1478	0.176787
8.876375	6.516373	6.119364	5.116394	6.33907	4.507589
28.419532	13.600317	33.487949	18.991636	23.051077	13.593612
16.785036	18.968706	36.657719	27.522734	31.162683	14.859031
5.350358	3.954303	5.889976	4.401736	4.863014	3.764006
11.130251	8.832123	6.9927	3.984961	6.556856	10.739126
22.82058	13.498137	15.326676	9.763564	13.028884	18.870712
30.14897	19.799904	22.670692	21.134287	20.259604	27.449183
6.625157	5.087011	5.557472	2.393045	3.726164	4.167617
0	0	0	0	0	0
0	0	0	0	0	0
394.398254	322.164825	265.271484	204.321167	227.128296	412.768127
11.838328	9.309016	8.136351	6.535345	7.264215	6.82322
1.530951	1.226533	1.520227	1.345122	1.343159	4.806766
0	0	0	0	0	4.461727
74.392639	64.608871	80.069595	58.326172	76.05764	67.805161
4.351006	7.491379	2.426931	1.610011	2.981186	7.783149
13.624413	15.852922	7.946711	5.858392	10.951877	23.746655
1.276244	5.276091	0.979026	0.592139	1.493023	1.609421
4.151516	0.794118	0.313109	0.257826	0.636522	2.782903
0.303434	0	0	0	0	5.821774
0.174599	5.548014	0	0	0	0
0	0	0	0	0	0
12.679694	77.927559	0	2.508724	0.548204	3.762009
0	0	0	0	0	0
0.33644	0.524445	0.061306	0.253694	0.11056	0.287442
13.995446	16.686583	15.743	16.794765	16.088358	15.697053

14.383252	18.724304	12.288903	9.239457	12.757503	15.105298
117.671398	112.580041	121.249658	60.937387	87.69062	132.864692
44.710264	47.248858	38.614399	20.549325	29.456058	44.025681
32.926414	32.218853	27.437389	22.766799	28.261855	28.63172
7.119961	7.178761	11.904431	10.700043	12.927992	6.172072
16.605183	15.772014	12.868023	16.497807	16.422914	19.283523
6.026253	8.355833	3.799305	4.076836	4.155827	5.974464
36.671555	31.102129	12.983767	7.831306	7.678391	34.04015
5.586906	5.981975	4.197672	2.76978	5.409017	0.452182
173.858353	892.625549	41.716255	288.053741	369.258881	217.360443
25.63689	30.392536	25.930805	23.83815	30.252224	28.704659
13.996638	15.892026	16.673635	9.837253	12.465262	19.140285
23.863218	29.65415	36.816812	28.731504	25.470023	39.619135
8.098128	27.985798	3.027934	2.397834	6.264176	13.485628
7.006866	27.557817	1.823877	2.722618	3.370635	5.254276
3.42193	1.296741	1.927894	1.005445	2.576071	2.460133
0.900791	7.178779	0	0.333376	0.360689	0.426617
2.531866	2.325182	0.833472	0.451693	0.707763	14.833704
4.50543	12.918339	1.345129	2.477556	4.497631	5.157166
4.096492	6.1972	11.667566	9.928311	8.748652	5.507737
54.425379	95.355778	53.12578	39.103686	40.290911	52.066942
3.230485	3.049229	2.437794	0.367023	1.147874	3.205373
11.309514	13.762086	11.165006	7.387965	8.251441	15.484288
16.203325	13.88183	13.311217	6.311358	10.392015	15.680257
1.226443	0.990289	0.789222	0.219946	0.724792	0.572634
0	0	0	0.21843	0	0.489502
5.33789	10.009457	1.806414	2.133083	3.479658	4.391677
1.261833	1.49642	1.445791	0.815486	0.816344	0.917727
2.819203	5.622905	4.482379	3.15097	3.947277	2.443339
11.201521	20.289384	11.330319	9.720837	12.566007	14.521791
1.266475	3.000319	0.097375	0	0.222383	0.622453
17.772057	22.369957	25.17977	18.025261	15.540288	29.654919
835.363495	739.152725	935.467515	945.071075	1055.354416	645.369751
4.190979	4.131693	5.563504	4.706657	4.784674	3.115899
0.416581	0.295547	0.237092	0.247839	0.348605	0.1794
17.053268	78.619583	3.550843	10.256454	6.878154	154.73613
3.905107	10.21917	8.61037	9.115052	10.809985	7.813115
15.234101	14.462858	14.873119	9.85757	12.988584	12.435685
4.082831	4.061183	6.209934	3.92039	4.164702	5.069602
3.38853	3.083278	6.155454	3.29232	4.56078	4.404154
6.307554	4.75872	5.90939	1.863327	4.444407	4.716653
4.091798	2.553444	4.181566	3.209888	3.909542	2.269493
16.39897	18.95495	15.123328	9.296485	13.880584	24.097363
10.854373	9.966883	10.721878	7.052299	9.609076	10.567734
17.97471	18.965097	10.136357	6.873438	8.017398	15.460789
43.986935	39.761387	54.219944	37.873966	41.066196	48.45874
3.544474	3.099552	4.693974	2.549745	2.957821	3.770105
12.651675	12.308233	9.233445	6.446167	6.52725	11.148873
12.268677	11.277712	9.080933	7.33076	8.699577	11.827491

0.089905	0.020308	0	0	0	0
19.940996	18.1325	26.106215	19.797863	19.833122	17.735134
14.227154	20.380136	14.540154	15.917912	15.783265	15.988369
24.147461	22.186754	30.899834	22.868275	27.659292	26.049618
7.056022	8.357441	6.89592	4.247039	5.354906	7.017238
19.624023	21.233181	27.801807	20.109812	27.247276	18.061094
17.815821	19.511705	23.93816	15.922267	22.834284	18.312778
11.08726	13.705763	10.865069	13.335204	13.111575	13.67684
2.029789	1.945259	3.589154	2.624092	3.163574	3.375269
0	0	0	0	0	0
1.208491	0.938511	1.47631	0.762283	0.828384	1.207703
0	0	1.588961	0	1.058007	0
0.155186	0.043577	0	0.101367	0.248751	0
0	0	0	0	0	0
0	0	0	0	0	0
1.530671	22.044886	8.51282	6.710975	23.046785	0.492951
9.427924	9.278458	9.484208	3.537428	4.978456	11.015005
173.989992	170.483683	130.650046	65.964634	95.492209	150.628708
0	0.185818	0	0	0	0
0.237191	0.179742	0.150962	0.180393	0.26454	0.383321
0	0	0	0	0	105.56263
2.374229	2.341201	3.076887	1.773208	2.457381	1.433512
0.201907	0.035966	0	0	0.03074	0.028429
1.289846	0.020056	0.026095	0	0	0.252318
0.579169	3.170333	1.104491	0.8217	2.117771	0.091089
0	0	0	0	0	0
2.305915	2.875118	2.590847	1.330131	2.837238	2.502069
1.35702	1.119506	1.345345	0.646909	0.887082	1.135378
0	0	0	0	0	0
0	0	0	0	0.206381	0.896215
0	0	0	0	0	0
0	0	0	0	0	0
0.204326	0	0.073921	0	0	0
123.351509	128.813736	91.020706	69.229576	67.884987	129.673767
5.086892	6.213862	2.710515	3.197702	4.505712	4.886309
4.336389	8.337788	4.845912	3.709315	4.670126	5.91316
0	0	0	0	0	0
27.516869	377.505463	28.010414	68.288071	96.315331	16.314373
7.051081	6.507254	11.393644	6.124349	8.265162	6.786203
4.737494	4.021515	3.875672	2.74546	2.355475	2.173419
13.551892	7.697363	4.80112	3.375326	5.871357	10.939839
0.268328	1.954989	0.053457	0.42781	0.205015	0.420695
23.96468	17.267406	20.884182	14.245195	20.039595	18.507299
0	0	0	0	0	0
3.360377	3.220087	5.894122	4.056922	4.167094	2.812827
0.027965	0.047954	0.040585	0.028075	0.027447	0.190288
0	0	0	0	0	0
38.560455	35.872753	33.545662	25.08433	28.817877	39.55093
0.135736	0	0.231882	0	0.134415	0.186878

0	0.100415	0	0	0.105763	0
6.576457	3.689568	6.432783	2.340302	3.740131	2.70869
1.519269	1.154534	1.3418	0.693576	1.034914	0.991868
1.141157	1.313929	0.307751	0.140868	0.855405	1.124493
2.091861	1.050704	1.428285	0.899389	1.216057	1.547942
3.268208	3.603281	5.319509	4.490662	5.156637	1.996193
10.996593	9.770894	11.644992	7.002025	8.400694	3.303073
1.162611	0.348085	0.552967	0.1797	0.563155	10.999571
8.28227	6.781328	9.569475	9.949634	10.929761	8.646137
1.172398	0.804985	1.711927	0.672038	1.022405	0.683002
13.751679	17.214108	17.832117	13.829221	18.936823	11.010333
15.468109	9.376125	11.357512	6.781793	9.225806	8.032418
10.483719	0	0	0	0.057178	0
24.730397	25.696204	24.267796	14.569027	20.4953	23.924555
2.748325	1.071462	3.444576	0.883704	1.84416	1.947937
0.047049	0	0	0	0	0
4.597477	5.29496	11.627604	3.703642	8.132596	3.618442
0	0	0	0	0	0
1.0695	5.605834	1.427634	0.84574	1.26074	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
4.973269	8.669453	4.5749	5.106393	6.267354	4.975855
13.075841	11.194302	13.799635	11.9545	11.809769	10.110331
11.788192	11.043479	15.09045	10.341274	13.023239	12.186058
8.260253	5.400538	6.443126	7.533478	6.296745	6.45204
22.707977	31.929769	24.495889	19.935319	22.061225	27.58335
108.955894	116.887283	88.691986	82.824524	90.482162	112.063828
41.375848	32.497762	20.801085	15.16599	18.140667	34.096218
42.975952	45.211166	48.787453	40.427101	38.428062	52.030857
28.115282	27.635635	36.640682	23.169195	30.880632	25.713774
27.174419	22.119001	27.008226	20.505442	26.326754	29.467165
82.966494	69.732379	89.817105	62.387321	73.607225	58.985637
16.462128	14.889245	18.063766	12.799443	14.13717	15.06151
22.811715	24.248622	6.527691	9.98926	17.62497	15.833444
5.933546	6.478243	0.741778	1.850161	0.917459	7.706179
15.227206	31.257977	60.527149	45.002949	14.619389	78.061165
9.879322	27.174183	36.754421	19.502886	15.823859	165.571091
0	6.90534	0	0	13.898523	8.311086
0.75512	2.602512	5.29893	4.538941	3.122627	6.870422
1.983204	2.406129	2.066702	2.186252	2.426481	1.986702
18.79124	16.860394	20.619247	15.305977	15.407791	17.175849
2.160096	0.658739	0.606455	0.176798	0.293608	0.610865
4.406518	2.030758	2.622229	2.071454	6.131757	1.512835
1.220116	1.810818	0.283021	0	1.003937	0.885423
4.636157	0	1.107795	0	0	0
70.647583	77.118744	115.855522	66.437263	88.560539	109.600517

3.320884	24.707985	1.852248	8.318189	11.170516	1.38807
36.634937	17.34058	35.837387	18.542284	30.374321	30.470602
2.569319	3.263791	4.752924	6.910861	3.065064	2.667169
1.145661	2.531762	0.201564	0	6.508295	0.27564
103.222824	159.467911	212.593445	140.354004	212.031967	247.971222
1.860937	0.240479	0.292102	0.32817	0.418464	0.350009
0.898226	0.822323	2.231096	1.088828	1.377677	0.948507
3.620039	3.699383	4.092592	4.521076	5.364555	3.868035
0	0	0	0	0	0
1.050167	0.765387	0.555485	0.34497	0.090016	0.809506
0	0	0	0	0	0
0	0	0	0	0	0
11.009316	7.79807	9.193553	6.003683	8.244992	7.945362
7.956653	5.708336	8.217923	5.975761	7.39927	5.379205
5.217983	5.171619	5.911457	2.995997	4.333305	2.824636
0	0	0	0	0	0
4.951263	2.235423	5.651681	1.485256	1.911969	1.842262
10.402614	10.907562	11.260821	9.656492	10.305511	7.056088
0	0	0	0	0	0
8.17678	7.922268	9.541826	6.88481	8.730415	9.195474
12.333021	10.252692	10.393587	3.931989	9.768453	8.169979
84.591003	28.603592	24.47061	23.031614	20.055161	44.74749
33.301874	32.651239	41.822087	24.301443	28.183963	24.372051
23.815442	16.122811	27.338498	16.925567	22.274775	14.15059
9.570827	4.016922	3.893533	2.989341	3.631671	2.560142
26.224442	17.909395	21.371754	10.089127	13.920504	25.510237
16.34709	15.700918	32.791649	16.481276	18.654558	18.139275
10.204005	8.889606	9.304412	7.944575	8.153756	13.120142
3.803399	2.812829	2.255113	1.370492	1.799885	0.638406
13.304018	8.127058	24.17658	12.971388	14.037346	7.575826
10.925227	9.122582	10.78396	8.438177	10.102092	6.756177
10.271949	0	0	0	0.203455	0
0	0	0	0	0	0
49.663765	3.686195	8.061523	2.604467	4.385021	2.858326
1.930664	2.593707	2.746824	1.763509	2.443986	2.471862
2.965165	2.250236	2.879606	1.74712	2.184504	1.701824
14.289448	13.769772	16.606477	12.340111	11.66962	12.323264
8.174109	8.343944	21.064732	14.332397	14.693703	11.966242
0.897352	0.413646	1.333585	0.544955	0.443264	0.572102
1.94836	2.07037	1.832794	1.234383	1.654851	1.174649
0	0	0	0	0	0
2.175101	0.807237	2.118989	1.5718	2.080477	0.674785
0.494185	0.577602	0.509459	0.263993	0.883511	0.460966
0	0	0	0	0	0
0	0	0	0	0	0
0.449978	0.10599	0.183124	0	0.349141	0.203307
0	0	0	0	0	0
23.125513	49.770882	92.250893	93.832855	102.481941	31.217678
4.750338	5.520292	6.104705	4.622514	4.750029	6.137864

20.381408	18.115975	18.351456	11.019418	15.604827	18.252502
0.730034	0.140552	0.17843	0	0.3747	0
3.491782	2.725036	3.300485	2.775213	6.370189	1.654634
0.040832	0	0	0	0	0.069646
10.122658	9.844416	12.69806	8.001472	11.037642	10.397657
3.985435	3.522491	6.06953	3.349278	4.257802	5.207815
8.408445	7.398139	8.170563	5.855615	8.875949	8.359563
11.275747	8.005531	18.080742	7.262613	9.926975	7.990878
0	0.138189	0.095259	0.229963	0	0
14.513177	14.751345	17.696333	10.143807	14.627177	16.690495
1.144386	6.543992	1.898725	2.346245	3.362472	1.238415
0.681772	0.901227	2.125614	0.605762	0.884171	0.378318
0	0	0	0	0	0
0.689219	0.36461	0.848627	0.561075	0.297205	0.311984
0.030648	0.039684	0	0.015698	0	0.106683
1.367123	0.837351	1.182426	0.634633	0.169418	1.405404
0	0	0	0	0	0
3.250729	5.033507	6.667163	3.655214	4.35045	6.690671
3.677424	5.588604	3.573293	2.347835	2.475233	1.921297
0.277096	0.168254	0.206905	0.19876	0.259843	0.544166
10.595317	10.514463	14.304854	7.827033	11.694496	8.373128
0.447316	1.380862	0.104332	0.187946	0.587983	9.371682
1.316459	0.909043	0.41511	0.496781	0.523659	0.321197
0	0	0	0	0	0
10.109764	9.783681	18.690206	11.749971	14.673995	11.977058
14.319413	13.441709	14.609123	10.851389	8.159019	19.445639
12.357119	18.607735	40.273397	20.154261	24.781784	25.472217
15.096707	12.259424	13.244914	9.865815	12.023413	14.732832
0.058067	0	0.070225	0	0	0
0	0	0	0	0	0
0	0.125116	0	0.036686	0	0
0.568251	0	0	0	0	0
35.302359	17.935799	34.136533	23.475712	30.455297	32.822445
0.056737	0	0	0	0.05519	0.800801
21.482307	28.230778	38.351391	20.17631	25.160166	18.926613
0	0	0	0	0	3.904205
97.447266	94.57769	74.537201	76.577705	76.233322	69.369118
301.9776	272.090942	217.333649	247.740494	216.922073	234.059921
45.115127	50.580256	35.824955	27.237953	27.109466	50.35072
30.245419	22.395161	9.085223	10.869288	22.334768	207.944229
18.983526	10.471488	7.826171	9.764666	14.075239	8.987615
13.834507	13.006557	10.158583	8.599965	11.733015	18.156694
0.480918	0.149105	0	0	0.084298	0
320.076752	284.846252	509.724182	362.679382	403.467926	371.741089
0	0	0	0	0	0
19.358669	16.980595	21.854378	11.794221	15.293293	20.852776
0	0.315143	0	0.305718	0.120517	25.539816
1015.019348	1116.01355	1036.456543	788.246887	831.131836	1211.707886
149.063538	140.27243	147.906738	121.793503	111.493164	155.9487

74.394264	74.20166	73.781136	53.793941	62.471924	102.366508
232.638107	324.164551	285.658997	252.430984	265.407196	297.709717
103.5607	68.234775	58.722957	40.698435	52.559757	76.082653
41.567835	45.781544	42.865387	42.961605	58.201072	46.477096
24.816955	36.104034	71.553161	37.038979	37.508476	53.975307
4.022593	3.740088	6.166874	2.284735	2.912974	1.816665
7.466713	1.628452	1.422238	0.515842	1.067153	1.662741
2.266034	6.241457	0.986851	0.886239	4.57598	41.831661
4.257104	2.514557	5.622382	2.535482	3.125269	3.370321
3.282073	0.147852	0.744933	0.121275	0.361463	1.588397
3.461043	4.747965	14.323551	6.01004	9.999205	2.699856
0	0	0	0	0	0
1.166863	3.148988	0.138983	0.38293	0.153763	0
0	0	0.022186	0.076735	0.105028	0
17.332552	15.091098	18.43232	13.946666	14.480166	19.978233
22.286665	15.929524	19.44181	10.107098	16.237318	17.678705
5.683875	4.89788	6.707204	7.822978	6.672472	4.795787
10.873227	10.571347	14.199101	8.085711	9.727468	11.016457
34.405724	34.439209	38.500153	21.241379	24.526953	34.926605
0.385438	0.22448	0	0	0	8.662751
84.240211	88.559456	66.869339	50.980686	55.858921	88.89798
10.659233	8.511981	11.668718	5.413894	6.354227	7.689948
0.288601	0.419053	0.162754	0.338903	0.125198	0.333583
25.444733	23.925699	25.885664	15.429783	21.35733	23.945688
38.625713	29.939646	40.330418	23.422441	28.770754	35.988857
24.530532	21.786666	26.787384	14.536121	23.148894	24.378058
85.328127	69.25444	62.777864	44.828944	52.985422	78.214675
198.243927	154.091873	103.514549	89.814255	108.679672	177.256042
16.226809	15.610363	18.030043	14.502586	16.431252	14.13118
0	0.034245	0	0	0.049937	0
26.805664	19.84008	25.018282	16.302555	24.781931	18.839876
7.259207	5.55854	5.572165	4.753493	4.151807	6.145515
5.257077	4.331959	6.010029	3.422146	4.135261	4.731379
28.215494	30.46459	27.005618	28.375702	35.505676	24.810644
6.160677	6.060645	5.981376	3.981134	4.366968	6.271531
7.909733	7.410038	12.394857	5.825278	8.094777	6.974117
3.781773	2.561886	4.485541	3.260592	3.924713	1.966049
6.405155	6.716645	15.754048	7.430802	10.273633	7.533091
27.382292	20.928337	18.519239	11.733632	16.494741	19.740141
2.358358	2.122245	2.440463	0.559709	1.476939	1.644539
2.435564	2.197979	3.462725	2.146054	2.244531	1.576453
2.895874	7.939281	9.082282	6.914783	6.476495	14.041367
5.669432	6.191736	9.885384	4.823615	7.553977	4.376042
1.994303	3.039965	3.035952	2.771435	2.714937	4.096742
1.180169	0.719926	0.438223	0.193143	0.641435	0.327622
0	0	0	0	0	0.093664
15.602448	14.126521	16.438593	11.711601	17.271368	14.110866
2.187159	4.111913	5.131	3.047857	4.593362	2.026287
18.359419	12.633603	12.488005	7.291064	10.74891	13.677477

7.586739	7.750575	9.972216	8.172697	4.414981	8.568741
6.58009	7.330148	14.213161	7.351858	10.549862	5.615311
4.038025	3.399456	5.196323	3.229779	4.210819	3.455457
0.488696	0.877159	1.760934	0.685078	0.97928	0.686038
5.307782	4.918193	4.464143	2.413125	4.702703	4.911942
2.690177	57.833767	3.87952	12.211042	16.221024	2.843793
15.514151	20.903399	22.326126	16.622026	22.775934	18.548811
0	0	0	0	0	0
18.492496	25.315634	23.67452	14.57972	17.108591	29.92432
7.243082	6.246508	5.806714	4.76053	5.954308	7.327888
25.096957	23.952345	23.81946	15.378653	18.261969	26.681
1.454918	1.365617	1.009626	0.632717	0.970357	0.990198
1.896319	1.422664	0.853543	1.099934	1.35402	1.111052
27.91877	22.182691	24.891522	21.359679	20.220647	26.018372
27.452011	22.209747	20.669127	16.296251	19.686741	26.672405
14.554461	9.26011	6.484545	5.811297	4.817204	11.570239
3.558275	3.276551	3.474973	2.401424	2.634837	3.768363
14.301633	8.121457	15.423607	8.414031	16.025959	10.883945
6.704586	0.727273	1.517015	0.171282	0.18392	2.730097
3.277077	2.381941	1.334599	0.605685	3.26268	5.294843
56.647049	58.787334	46.679288	35.417131	52.511092	58.386427
15.181401	12.679937	14.875511	9.477752	11.841584	16.415747
114.950752	1564.478394	47.430897	250.886383	365.005096	3720.539307
62.775723	83.650955	99.145401	113.951561	91.739464	69.397736
92.994753	554.304897	6.892674	81.574766	73.760723	64.192376
0.950794	42.269535	22.628698	47.656647	99.38353	2207.060059
5.809766	25.459354	5.752006	8.064358	13.759118	3.623914
1.314201	8.812402	1.087155	1.869807	2.004584	18.019522
16.439096	12.7234	10.981743	6.532688	10.082102	10.754546
11.805287	0	0	0	0	0.295767
23.677396	16.054955	18.820299	10.490538	14.635582	17.05608
0	0	0	0	0	0
26.890661	22.160025	23.837177	18.803932	23.120373	23.436436
136.281074	839.906799	13.442805	110.416653	139.401322	94.739441
32.929485	48.893505	32.957336	41.412187	55.909756	439.098389
33.529176	262.27462	15.48537	50.956621	108.250488	314.911362
19.670334	153.026779	8.528765	25.573288	36.430317	18.579678
0	100.739899	0.163866	0.001229	0	0
4.452538	0.319195	0.132258	0	0.072418	0.350058
4959.971905	4317.057106	994.650153	959.584473	1778.682946	1878.263515
1.926606	28.705996	1.133198	2.235676	4.327077	1.879451
10.97962	118.109146	5.294117	16.469933	17.759827	9.008655
0	0.143245	0	0	0	11.916974
0.990182	0.698508	0.130343	0.151127	0.458223	1.302646
0	0	0	0	0	0
0.294994	0.292105	0.174286	0.272036	0.265713	0.930783
1.406898	0.112555	0	0	0	0.692643
2.368179	3.882598	5.829982	2.408809	2.608586	11.472385
0.091015	0	0	0	0	0

0	0	0	0	0.285246	1.063052
0	0.163879	0	0	0	0
0.11955	0	0.088664	0	0	0
0.165416	0.284126	0.385827	0	0.405878	0.595109
9.338037	9.575112	3.839767	3.453179	4.512054	20.114436
10.030623	11.141444	4.813381	4.483436	5.680323	23.023088
3.01443	2.768173	2.729972	2.697202	2.655384	2.888545
3.252964	20.274481	0.820487	4.515043	7.224235	6.062505
1.637306	14.44089	0.744942	1.94428	2.295489	2.265797
6.155254	4.775515	6.376066	5.386355	4.489264	5.192682
1.108417	1.074441	0.483949	2.482296	1.027261	0
11.360794	10.521452	12.553809	9.818221	10.023185	9.241728
34.859125	43.310238	39.124074	45.961302	31.218943	37.013946
150.142911	162.787997	186.296867	133.503759	188.383456	173.642207
15.397709	10.808616	11.664229	12.436741	11.98527	12.423651
0.831346	0	0.662612	0.462295	0	0
6.221635	4.447876	5.668931	4.481315	4.322054	4.186248
18.937744	18.367189	39.179581	36.977932	44.442554	10.065331
331.196503	390.244598	312.617371	286.006287	285.042267	389.889526
3.89555	3.96517	4.409966	3.390801	3.56546	4.765489
33.563213	75.549614	66.118889	31.925804	29.568764	38.576813
1.196846	1.665547	1.105877	0.804235	0.558656	6.233497
0	0	0	0	0	0
6.571684	0.446121	0.329267	0.431108	1.460675	2.254532
0.335134	0.323813	0.684639	0.173127	0.218061	0.609479
0.148144	0	0	0	0	0
9.172677	8.690487	12.397445	2.338963	3.239897	5.439307
0	0.158178	0	0	0	0
0.391488	0	0.024584	0	0.329619	9.726439
0.368962	7.524422	0.40861	0.87295	4.501842	1.255868
4.741761	15.588082	2.409242	3.645008	3.440438	4.32378
7.580081	6.750142	8.840901	5.722724	7.849878	7.188553
0.252649	0.057422	0.059194	0.015166	0.043096	0
39.790481	38.696953	53.994644	35.445894	41.362185	34.356783
29.426273	18.818266	15.0014	7.72998	15.702628	15.813526
0.540452	0.599643	0.253923	0.181247	0.402219	0.256593
6.497567	6.066742	6.253546	2.908967	9.602048	4.846239
1.925854	2.066863	2.081874	2.201065	2.169333	1.603284
32.442257	28.183235	27.642076	20.034575	27.157742	30.166687
12.14704	10.704647	4.501933	8.849555	8.051943	16.248753
8.77967	10.038897	16.692421	12.443617	16.893847	10.396068
188.107939	194.719146	149.901789	137.152604	164.531801	210.982695
35.602429	25.188568	23.321137	12.058485	12.691549	32.08792
46.349285	51.8498	49.743797	31.85025	40.669365	49.057819
104.447975	102.863213	68.096657	74.073448	83.315651	103.391541
194.747635	213.327316	129.939529	128.995728	153.266251	211.125122
56.203739	67.703842	54.854412	58.878063	61.994057	66.969872
23.466383	21.381053	32.085932	20.35679	30.833002	20.210248
18.323982	20.340348	20.115491	13.704121	16.610395	16.872339

17.448311	19.158804	26.706892	22.81361	32.281036	23.71209
10.180317	7.729894	8.919101	6.289281	7.038158	9.076857
4.384867	3.373031	4.110047	2.270986	2.823364	3.843071
0	0	0	0	0	0
25.021594	21.496337	19.68579	18.677329	19.146012	15.723522
13.526489	11.927612	22.395512	11.956837	16.629555	13.354009
19.46555	15.766462	8.953364	13.233443	14.587067	15.354693
644.456543	646.183044	680.880371	960.65802	1167.796509	489.852905
1.144712	0.229342	0.155695	0.644769	2.15604	45.49987
77.814842	56.40704	94.112129	57.26255	55.349449	44.513935
36.958887	29.31318	29.739504	17.795777	23.780023	32.161308
11.660687	12.133171	17.455101	12.010196	14.237091	9.161124
10.564232	6.981156	10.294538	6.452071	6.446675	8.967952
4.470009	2.982442	4.826827	3.509351	4.093314	2.827079
3.720018	3.064293	1.979719	1.650131	1.625515	3.251
0	0	0	0	0	0
11.822178	8.231407	11.456735	5.697082	8.19647	6.026013
7.490872	7.233607	9.230906	7.024875	8.482762	9.716994
9.720873	3.14973	4.985393	1.814884	2.648502	4.394936
0.104939	0.071682	0.034667	0.047961	0.173469	0
0	0	0	0	0.267882	0.326155
5.354453	4.955185	8.661584	5.187868	7.490153	5.601706
15.495499	21.516397	33.655552	18.526026	22.383266	22.338205
12.114543	10.825606	11.205515	7.432726	10.729168	9.085126
4.54464	2.628585	2.029706	1.41392	2.962908	1.570742
3.72132	4.255776	3.235401	1.328299	2.263596	2.693479
1.148552	0.884953	1.287935	0.644015	1.019709	1.282841
3.116086	4.698339	6.566136	2.982064	4.032182	7.366726
0.520182	0.261536	0.262546	0.357268	0.191213	0.436744
0.95148	0.280227	0.280738	0.071784	0.52232	0.136338
7.718754	5.482842	6.207139	6.019434	8.666601	4.105862
25.551517	13.653162	13.957307	6.091515	8.130448	13.584105
6.795498	3.354241	3.021708	1.589429	3.009694	3.632165
1.754605	1.750148	2.694392	1.776193	2.16513	1.522388
0.467186	0.629174	2.361012	0.774214	1.5205	0.722079
0	0	0	0	0	0
5.780883	7.306807	7.016548	3.977166	5.955938	6.759851
0	0	0	0	0	0
5.202012	5.809958	5.990755	3.316045	3.112169	2.938705
14.19655	12.470114	8.883564	4.676088	5.628721	4.745599
0	0	0	0	0	0
3.48949	2.962675	5.134458	3.769872	6.434923	3.98447
0.789384	0.684278	0.295133	0.07492	0.237803	0.357192
3.148798	2.548492	3.970948	4.350348	3.189801	2.969989
0.698508	0.874753	0.926614	0.90894	2.860572	1.012411
1.276148	0	0	0.246626	0	0.842074
23.811711	20.900709	13.743785	7.646083	6.745986	23.479333
211.392242	199.88826	199.303879	122.992836	159.840057	208.09465
142.812935	123.795894	85.325455	53.066967	81.147574	114.567646

13.629539	10.991212	12.119093	8.509018	5.885138	14.107695
40.704024	37.232954	46.573377	20.08643	29.875631	34.10291
2.517861	2.234626	4.487361	1.832136	2.939031	1.309386
7.229825	9.562572	10.779798	6.646295	8.903526	5.615212
6.427178	6.600527	10.88667	5.933883	8.540403	6.48835
6.819998	6.822777	6.849749	4.383442	10.541082	3.965893
2.318612	1.109647	1.968798	1.152463	1.736346	0.908476
0	0.490908	0	0	0.164741	5.757576
5.858438	6.558595	10.002803	6.602475	9.941763	5.27899
4.984902	5.114395	8.315598	4.06004	5.505035	5.216988
4.026556	5.736166	7.40727	5.036157	6.342103	3.886117
38.703355	43.664128	56.858018	37.960325	46.211927	42.421165
33.969654	26.915498	59.785126	38.611511	56.830441	24.905909
0.232675	0.322027	0.110063	0.246877	0.27946	0.69477
2.343777	1.895123	4.958238	3.111541	3.272146	2.922003
9.51307	5.363882	7.495451	4.9275	6.125231	4.853127
0	0	0	0	0	0
0.070509	0.195333	0.23725	0	0.046135	0
0	0	0	0	0	0
4.508044	4.608698	5.511854	2.510738	3.465973	7.38131
1.80714	1.401111	2.786394	1.23053	1.120728	1.293473
21.98101	25.529977	39.411639	21.727002	34.615443	22.997524
3.216079	2.86936	1.646402	1.233916	1.906193	4.642023
3.729072	2.90299	2.536729	1.697696	1.851103	1.707964
20.576013	16.414299	18.22565	9.938475	14.951011	18.104408
0.27466	0.093189	0.357962	0.150721	0.265966	0.139793
19.024338	15.1443	17.166887	10.268146	16.02121	12.639744
3.51874	4.060951	4.293812	2.618894	4.770645	3.658153
5.209579	4.406403	6.682759	4.715782	5.22572	3.493925
6.085892	3.30232	4.587029	2.515025	4.511018	2.843052
1.56525	1.123736	1.519597	0.94905	1.433365	1.223669
0	0	0	0	0	0
11.274029	6.743477	10.696725	5.618109	7.852827	5.533982
5.362121	3.54364	6.287508	5.704379	4.977519	5.348523
5.420704	5.202805	6.473757	3.722706	5.476797	6.256631
5.295861	4.463072	6.458392	4.164076	6.696102	3.80369
12.180624	9.751459	10.347961	8.930402	9.361656	8.653798
14.450953	12.451548	16.654886	14.080244	16.331575	14.379504
107.304214	111.472488	116.37664	116.025734	116.984901	123.45929
5.141715	4.579262	9.517362	5.690919	3.915569	5.782589
13.425147	9.668388	12.008512	7.881186	6.813027	15.436286
0	0	0	0	0	0
5.07013	2.781839	5.266357	3.524573	4.694487	3.054029
0.063341	0.597385	0	0	0	4.841868
8.029713	10.610233	10.060231	8.033586	7.004262	10.210571
0	0	0	0	0	0
3.367364	2.539812	2.8556	2.064041	1.344478	1.864298
10.209526	6.937502	6.759076	3.826746	6.003428	7.718043
40.94038	54.552216	50.607872	49.304222	46.701469	47.950253

30.313557	27.634739	31.084927	19.793745	22.384099	32.464774
44.789829	58.784489	50.097385	50.369442	50.709469	55.997242
4.845502	5.567895	6.365729	4.412753	6.01451	5.725759
44.268837	42.810818	33.571842	28.223635	33.444126	33.562977
4.800325	10.491845	9.699584	8.084839	7.456436	6.967351
11.870129	9.540738	10.476663	7.625826	10.054157	9.948794
1.834025	0.989881	1.829568	1.924708	2.160167	1.565614
3.518187	3.08827	1.416922	2.311831	2.466365	2.461929
5.756121	5.958169	4.969236	3.029121	4.959394	7.975231
84.769569	67.712975	46.434746	42.817661	44.605991	87.620621
68.399353	56.468281	54.527042	35.456295	50.742535	66.902336
189.251129	171.105942	155.415726	130.00264	147.812286	183.359344
7.075895	7.072556	7.003991	5.720317	6.9214	7.479723
67.470695	49.425274	64.452278	45.515259	61.160591	55.243977
28.684675	21.961246	21.384922	22.965492	21.736349	23.939165
0	0	0	0	0	0
14.026835	12.345922	12.1116	11.408857	9.595834	17.351562
18.834383	14.968871	19.051872	15.034734	14.404212	19.10078
0	0	0	0	0	0
0	0.118059	0.068022	0	0.191982	0.053298
0.068619	0.15128	0	0	0.049667	0.224421
0	0	0	0	0	0
7.718674	5.835717	6.237835	2.788734	4.776445	6.193235
10.911567	10.248816	7.612925	5.895266	6.1336	8.907389
5.233083	3.820329	4.112536	1.809994	4.132504	5.467332
7.509563	5.585038	5.879616	5.303462	3.751872	6.000377
3.302098	2.516052	3.58737	1.771626	2.692245	1.48775
2.510459	2.773333	3.088301	2.478726	2.621223	1.658635
6.800718	5.288103	5.283636	5.172712	6.068297	4.123971
6.450008	2.685449	1.919239	1.641889	2.493437	1.702986
2.175023	1.214622	0.937956	0.637141	1.051519	1.121772
1.444187	1.399809	2.795463	1.347065	1.264261	1.16679
1.23069	0.640372	0.135582	0.278364	0.255636	0.598983
9.888448	8.01307	10.15587	7.314278	8.339601	7.310936
16.785029	17.299063	21.841575	19.017251	25.509954	8.553609
0.086777	0.053655	0.027246	0	0.048809	0.178641
4.018255	5.786079	11.461954	6.500546	8.543283	7.222713
7.666956	6.150581	12.517131	8.527946	8.259056	7.927274
84.662079	79.301048	72.758499	55.016945	76.812355	85.538673
302.298126	298.154541	244.631058	160.425369	206.804367	304.215118
194.667618	171.574615	166.853027	135.410416	155.506271	188.937332
334.400482	279.61615	226.055817	228.413177	247.668411	292.471344
135.217505	123.185011	82.038586	73.412234	75.560362	139.306364
206.889526	172.499222	139.937943	103.756432	118.53698	216.700836
49.305859	49.823307	45.278728	39.602322	41.775406	62.115036
12.382755	13.806895	14.890116	11.57309	10.720041	19.441292
28.580076	26.073346	18.94365	22.930661	22.131488	27.829322
0.132639	0.016246	0	0	0.043638	0
0	0	0	0	0	0

10.760412	12.60654	14.607028	9.500653	13.957139	7.053876
66.440639	49.834617	52.852243	33.673352	37.602612	41.807171
27.590868	22.072036	23.639821	13.959692	17.351728	20.779195
5.061904	4.611566	7.953326	3.758174	5.482563	5.897362
9.657576	21.256659	19.179314	14.332112	20.373371	8.809377
22.394812	11.216116	12.348248	10.481984	11.919253	12.531365
0	0.175266	0	0	0	0
13.685505	12.030026	13.850621	7.554107	12.907078	11.608171
10.016006	9.55228	11.736494	6.447027	9.095169	9.976342
5.181062	4.112075	4.035934	2.671129	3.451451	4.486292
3.540015	2.442396	0.41553	0.999537	1.887103	0.541675
3.918128	4.023187	4.67924	2.179307	2.622805	4.143819
3.349047	2.662846	3.197984	2.652148	3.14204	2.249997
9.583797	0	0	0	0	0
1.29369	0.701179	0.080296	0	0.403704	0.612238
0	0	0	0	0.214369	0
2.523879	1.155785	0.070575	0.096989	0.143187	0.597663
0.656787	0.621848	0.276699	0.355498	0.524873	0
0.832015	0	0	0	0	0
1.071374	0.839938	1.95404	1.098493	1.483355	1.092388
9.838737	6.245062	9.48	6.230245	4.482425	6.748301
1.621143	2.339935	1.465652	0.806125	1.985697	0.744987
0	0	0	0	0	0
3.16992	2.73051	2.268329	1.182261	0.972008	2.565143
5.007368	4.127952	3.761749	2.488371	1.940254	4.127589
11.729636	8.615793	4.708895	4.566455	6.92123	9.656981
76.822807	80.027641	87.087906	80.079712	85.234169	91.141571
1.261994	1.209143	1.151903	0.808006	1.525452	11.266148
9.182347	8.457577	12.47738	6.771714	10.428875	6.262567
6.99508	3.469117	14.518293	8.748573	9.740635	4.702976
2.36591	1.511062	1.281651	0.935395	1.970092	0.250839
2.302475	2.090889	3.777576	1.498636	2.355102	2.110013
0.675925	0	0	0	0	0
2.47442	0	0	0	0.236451	0
1.082623	0	0	0	0	0
5.757315	4.652429	5.382389	2.83887	3.060342	5.026579
0.301268	0.128469	0	0	0	0
0.728507	0	0	0	0	0
0.439014	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
3.982598	0.161833	0.061511	0.113466	0.138662	1.795004
3.4847	3.298408	3.505851	2.714998	2.282347	3.14593
0.686432	0.599914	0.666671	0.550054	0.537758	0.727652
3.204661	0	0	0	0.094491	0.164213
18.603752	14.524967	18.138529	9.854428	14.665869	18.36158
2.959982	2.370937	3.359504	1.532284	2.459229	2.946012
16.27973	12.848563	13.85415	7.233537	10.149687	15.240149

0	0	0	0	0	0
14.915582	17.907444	22.464325	15.628597	16.489918	16.400991
16.410316	15.553567	18.023872	10.552637	12.582097	14.655787
1.880464	1.393219	1.950273	2.054717	2.006007	1.70833
0	0	0	0	0	0
1.801201	0.443626	1.092818	0.415297	0.370225	0.289533
0	0	0	0	0	0
0.13139	0	0	0	0.064478	0
0	0	0	0.134579	0	0
9.185152	9.319627	8.397417	7.058954	7.565793	10.213918
13.932255	13.550646	9.401037	6.159207	6.570802	19.175482
3.984631	48.929735	1.519822	9.722769	15.668439	2.772928
3.431107	19.165407	2.546555	1.664754	5.516728	1.887372
6.195449	5.000166	8.240202	5.499608	6.929202	5.277474
15.276009	27.745421	31.214194	26.083263	24.638934	36.751041
2.751825	5.760102	6.883292	2.829513	6.148054	3.918052
0	0	0	0	0	0
2.712625	1.046254	1.153839	0.262879	1.004403	0.323334
0	0	0	0	0	0
0	0	0	0	0	0
21.609898	24.405449	22.808376	14.633737	17.412279	24.115231
0	0	0	0	0	0
62.830307	61.389145	53.264957	51.196331	51.121574	78.065262
31.198719	39.216549	40.066761	41.062996	27.064653	53.719833
22.545438	26.03057	25.271829	27.388792	27.191734	26.217451
0.395622	0.551204	0.302867	0	0.280863	2.963737
0	2.594127	0	0.607542	0.178135	0.375787
0.6688	0.910798	0.440546	0.248395	0.532651	0.344965
21.631203	17.073102	21.071925	18.740423	21.210988	14.118269
0.712038	0	0	0	0	0
4.425466	4.103159	2.847986	1.717488	3.362578	3.313464
2.149079	1.732034	2.791618	1.368755	1.236608	2.471722
13.648034	0.198104	3.374211	0.955721	4.681912	3.254602
0.446818	0.1277	0.61147	0.49442	2.782611	0.609703
28.906005	32.161711	33.879509	22.348244	27.587256	26.915455
4.53156	5.221567	5.792953	5.555513	5.136511	5.071839
1.884706	4.753689	1.053909	1.748139	1.709685	1.407107
3.15173	1.81431	3.48689	1.568502	2.605808	2.288084
0	0.082077	0	0	0	0
0.010522	0	0	0	0	0
0.078668	0.03975	0	0	0	0
14.146236	14.086705	11.831989	7.651063	8.941148	14.39316
10.576607	9.556769	18.03034	9.761597	14.504046	11.210672
3.620973	3.781553	6.106902	4.429407	5.326762	3.147004
0.012909	0.033057	0	0	0.025426	0
0	0.121142	0	0	0	0
27.930605	22.631092	22.779282	20.556807	20.523893	26.983452
13.504422	10.939525	9.912177	7.586807	8.668469	13.147455
2.50361	2.268749	3.881213	2.806937	2.917366	2.190568

40.894554	39.054874	44.926891	30.948709	33.028301	39.928654
0.451986	0.738272	0.908833	0	0.513214	0.212918
2.098906	1.578802	2.035192	1.322706	1.213184	1.19473
8.282457	8.212621	11.805247	7.302649	9.634034	5.936843
0	0.031903	0	0	0	0
1.390472	0	0	0	0	0
6.796096	2.752522	7.713935	6.192328	6.393701	1.823804
21.748941	23.223471	22.734802	18.098749	19.006163	20.27705
6.10909	8.690646	11.059633	9.417323	9.383493	4.765146
7.178627	8.742005	12.333537	25.199032	18.914356	9.128793
221.718909	219.325348	239.883759	259.048226	241.439041	268.918671
66.408533	154.849256	71.232415	59.279074	68.561226	67.484851
7.394401	7.31314	9.237403	6.822798	9.959509	8.820959
24.676304	27.809624	18.540268	14.568933	16.387848	25.933765
10.876542	9.934014	15.064852	9.10586	11.873248	5.609255
8.661822	9.02648	13.091601	7.382514	10.850639	9.367471
0	0	0	0	0	0
4.571237	3.879645	5.16058	5.592303	3.713789	3.077504
30.374685	27.161283	21.235649	15.981681	20.161903	31.740862
17.617044	17.776325	22.959921	21.025208	21.721909	21.953215
7.696528	7.657619	10.910144	6.39672	9.509926	6.838761
3.340188	3.999483	5.896818	4.209402	5.453543	3.515148
23.528121	18.476685	22.178201	15.849339	20.221061	19.793047
8.57481	10.243984	11.43842	11.631154	11.179479	5.184562
6.026224	6.777161	10.170815	5.293909	8.22753	6.298071
6.217241	6.148328	7.388037	5.173331	6.636727	6.096837
23.897903	20.623236	18.171589	18.608627	20.766788	25.580503
1.950988	0.934216	1.26088	1.146514	1.433412	1.571934
15.483673	15.720952	18.232473	11.933168	14.119532	19.033264
3.304398	3.940217	3.967636	3.097224	4.273331	4.163975
12.540382	12.542495	13.493948	10.103815	12.644896	16.117233
20.43965	19.094154	14.912746	12.395413	12.551379	20.828594
15.940738	6.814633	7.313624	4.080581	11.332221	6.785459
13.794845	14.304441	18.876582	10.036599	15.63154	14.568046
9.678998	9.58627	18.018782	18.582287	11.226651	6.716633
8.542878	6.579286	7.011279	4.34188	7.547594	5.242852
47.72263	60.453114	38.015625	30.017235	27.735361	60.800602
0.480141	0.781044	1.185561	0.189546	1.169568	0.202184
13.939223	6.216299	10.683803	9.413622	9.758041	8.917073
11.774526	9.624657	16.202258	8.391322	10.213535	5.330765
1.359507	1.493228	2.367245	1.637779	1.668527	1.433582
5.719129	5.308685	4.948741	3.290064	4.200176	3.863719
23.703592	25.079397	34.078381	20.617224	36.647163	21.931154
0	0	0	0	0	0.786399
0	0	0	0	0	0
6.28942	10.206073	13.160336	5.06504	9.891804	3.665118
307.850739	315.303223	214.170227	176.442444	201.382309	362.903168
6.456472	5.399202	7.408031	3.272171	4.278422	6.143209
0	0	0	0	0	0.601677

1.438506	1.251799	2.769821	0.822558	1.99954	1.121231
9.191712	7.017585	10.397163	5.387149	7.408738	5.980571
16.332695	13.687959	16.867647	15.701898	15.78611	15.209381
1.664797	1.277197	2.093321	1.61927	1.945269	1.327225
0	0	0	0	0	0
28.192263	26.520378	34.429523	20.034019	25.109219	27.263105
21.545558	14.051565	23.322124	7.933465	12.651954	15.993755
9.758333	8.181892	8.050101	6.467452	8.309444	8.581835
0.036951	0	0	0	0	0
0	0	0	0	0	0
129.139557	142.735687	101.216072	66.142799	88.863342	240.87088
11.296142	0.561514	0.182226	0.047055	0.249986	0.289926
18.729971	26.558807	15.543087	9.839627	14.371862	11.2084
0	0.45952	0.047479	0.109478	0.118162	0
7.562534	5.288125	1.822832	2.208023	2.395271	55.352253
10.070442	1.947478	2.304201	1.13244	1.689166	2.444282
111.989616	84.596207	53.60891	45.83144	50.801292	94.105743
0.053302	0	0	0	0	0
278.562073	0.090901	0.145182	0.118582	0.270582	0.079432
52.448298	47.424007	42.736955	30.480087	42.158279	47.426876
3.745374	4.468819	3.055449	1.069766	1.63617	4.241725
24.975872	16.759382	17.641182	16.86133	24.276186	14.798843
0.073002	0.045688	0	0	0.040802	0
0.033791	0	0	0.024388	0	0.045701
4.508263	4.764659	2.669358	4.491326	7.179793	1.292232
14.555717	14.32582	15.085669	10.031093	14.567003	11.393888
0	0.242371	0.202407	0.184037	0.435766	0.198162
0	0	0	0	0	0
0.114557	0	0	0	0	0
229.849289	228.98822	207.790024	160.734741	160.192795	301.35733
340.221466	348.198181	345.781586	263.043091	250.368378	463.815857
170.41981	177.457253	217.734864	228.045209	192.079398	235.858668
147.283997	170.743515	142.008713	107.236145	123.31945	212.662766
715.820679	864.313599	742.085266	896.039978	813.18927	860.47522
194.756256	190.416779	154.317429	161.713638	140.078827	236.574417
72.208197	126.967472	88.82677	72.906939	81.82893	155.873673
168.606781	182.923553	178.054855	194.343857	190.941574	167.8535
396.523081	336.601687	220.219706	219.204373	204.446357	448.121561
426.941284	477.230255	413.890381	511.528442	453.525543	582.839905
249.169102	217.378663	190.18745	158.446341	173.283043	274.373671
550.305603	604.017761	507.390808	493.582916	485.851318	695.299072
422.516968	498.274139	347.218842	345.006378	329.086884	587.891113
248.51149	235.342789	184.395294	241.054733	207.30368	286.31076
291.361206	310.222717	331.491364	275.928192	297.094238	442.416901
3.384993	2.716776	5.690044	3.696795	2.781061	2.915725
10.715161	11.761198	13.47147	7.900296	9.42384	11.678809
151.90097	132.070068	103.37323	88.955673	111.068291	146.325867
0	0	0	0	0	0
39.732365	29.943558	27.472441	25.821407	27.675634	38.942307

31.323482	21.264483	21.875592	9.855647	18.864749	19.624884
14.393656	11.814598	10.726482	5.784704	8.659688	17.119852
0.335542	0.091583	0	0	0.102264	0.556837
296.649567	252.09436	186.639954	201.463409	224.121582	273.872681
216.176514	180.893356	129.758301	95.164597	126.293419	187.649689
0.450937	0.413821	0.258781	0.157344	0.517666	0.645602
79.832611	64.687263	59.243374	49.719921	56.950306	66.340569
19.152113	6.427536	9.241974	7.672477	8.325353	23.009792
226.57373	215.497452	141.970505	143.845276	153.624207	203.248535
4.495875	4.182921	2.382391	2.649494	2.075033	5.170029
29.971905	21.187557	21.054247	21.082993	24.216814	21.459646
0.117281	0	0	0	0	0
69.477753	55.911808	50.174175	52.689125	57.635036	57.207077
43.303524	30.568056	33.609726	33.526184	35.37175	38.842731
0	0	0	0	0	0
57.637306	41.401443	38.282394	30.176083	38.022549	37.775154
108.570541	79.130508	71.99749	71.197891	74.764755	106.188477
0	0	0	0	0	0
242.489212	281.943634	200.04895	236.050064	241.230499	241.350372
166.94957	170.863037	144.385849	178.424911	179.297073	195.119019
3.722476	3.019437	2.812503	1.514893	2.883549	2.635367
0	0	0	0	0	0
34.001888	24.50444	19.553158	21.818287	24.133358	27.186598
3.821642	2.84801	5.028298	4.653694	4.710451	3.272869
0	0.17965	0.068368	0	0.079177	0.208125
2.781907	1.749203	1.102646	0.763758	0.725809	1.217139
0	0	0	0	0	0
2.459595	2.223851	0.457274	0.949165	1.549122	4.988344
25.402945	24.720144	47.086327	23.758129	36.17691	21.431482
0	0	0	0	0	0
4.674705	2.100426	2.639808	1.416725	1.66786	1.975924
0.406497	0.203927	0.036819	0	0.083371	0.04451
6.790758	9.525902	3.212557	3.645315	4.728712	9.818419
10.827256	11.373992	15.363469	8.853117	11.24151	9.003585
2.04604	2.12588	3.726539	3.376899	2.707162	2.776775
20.972668	24.259905	20.084442	15.647322	16.211054	23.682575
167.828064	183.319382	164.387268	176.425903	143.182632	221.601196
1.78176	1.827659	3.111298	2.257726	2.032597	1.496315
73.047775	64.526756	76.56237	47.443367	66.681084	64.649453
3.573871	2.905772	5.065754	3.20533	3.484277	3.62589
3.485078	2.939492	3.82639	1.821553	2.984298	2.673493
4.664568	4.539999	6.011648	3.412349	5.347623	4.447622
7.78558	5.592138	9.338108	6.642963	7.265035	4.99336
3.83959	3.337086	4.380353	3.421603	3.93004	0.441844
55.843849	52.419922	71.526421	73.428169	65.276062	63.737019
6.788343	6.00361	8.81109	5.262951	5.961022	6.041584
11.795643	13.460253	15.081569	11.575138	15.590672	10.432238
47.831169	46.177994	76.296402	45.955227	62.391804	43.740349
8.477691	8.240582	9.777473	6.047352	8.545912	7.472546

3.944352	2.79027	3.384256	1.809876	2.531389	1.859605
5.498856	6.051544	7.215858	4.945294	6.893788	4.988451
0	0.226526	0.081955	0	0.104994	0
7.774509	8.290488	17.554556	11.536326	13.965618	7.632784
20.328353	19.162871	24.262331	12.341599	19.168918	19.264906
30.071808	22.613504	22.411129	17.834862	20.015028	27.884453
0.088702	0.163324	0.070531	0.038383	0.025017	0.189326
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
1.065799	0.657489	1.147566	1.013136	0.656277	0.591581
7.540117	5.640597	6.094249	4.59258	4.789817	4.637339
0	0	0	0	0	0
0	0	0	0	0	0
2.952387	2.676437	1.759701	1.207995	3.382027	4.212192
6.631128	8.812572	6.429115	6.479955	8.114003	6.473395
0	0.029582	0	0	0	0
0	0	0.036819	0	0	0
9.562638	5.828714	4.824018	3.511532	3.499453	6.045363
0	0	0	0	0	0
8.668981	9.734031	11.714257	8.028481	9.217544	15.703272
0	0	0	0	0	0
0.805297	0.492522	0.647327	0.607204	0.7545	0.767314
12.899834	15.476534	17.687811	12.681751	16.745975	13.758025
4.240253	4.954918	4.553095	2.142179	3.601179	6.319404
97.657686	98.187009	103.718868	72.002271	98.134046	109.263743
28.550628	24.778568	16.466633	12.817343	13.650919	42.996283
75.68692	86.317398	64.198555	76.797531	69.126358	103.638351
16.381964	16.253359	15.726683	8.022342	8.918494	21.04431
0	0	0	0	0	0
1.024034	0.24265	0.209368	0.024851	0.171224	0.196285
0.77537	0.21814	0.793647	0.574691	0.132361	0
0.730854	0	0	0	0.619426	0
0	0	0	0	0	0
0	0	0	0	0	0
20.456663	20.069145	10.765388	7.745772	8.010441	26.940105
1.104508	1.017326	1.011841	0.326726	0.541117	0.197655
2.912447	2.324103	3.607721	3.025786	3.380065	3.312105
0	0	0	0	0	0
59.148769	82.2967	84.574478	64.808578	57.365829	75.096909
2.082678	4.518013	0.854614	0.983133	2.163687	0.679023
0	0	0	0	0	0
0	0	0	0	0	0
1.117875	0.77206	0.274926	0.303557	0.866034	0.626829
1.06351	0.988415	0.710345	0.449619	0.474529	0.961012
28.792463	22.6122	6.890911	10.818727	21.149918	24.645906
2.073994	1.13653	1.786967	0.860224	1.604275	0.941696
5.795325	7.485281	7.312467	6.715964	5.645378	9.562308
0	0	0	0	0	0

0.063591	0.801162	6.312737	6.931286	7.44	0.555817
4.052806	2.677871	7.294524	5.187133	5.667512	3.460581
0.398268	0	0	0	0	0
1.678036	1.550456	2.535753	1.740689	1.63393	1.615864
0	0	0	0	0	0
0	0	0	0	0	0
0.408338	0.327377	0.193161	0.250771	0.301203	0
18.458611	17.637525	20.751731	12.676045	15.085334	19.907601
1.521604	1.048708	0.86303	0.140737	0.998175	0.313896
49.278141	75.775848	166.015056	104.952696	126.59819	88.532214
0.732605	0.963535	1.299062	0.515267	0.889219	1.709799
0	0.170692	0.223707	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0.093881	0.129883	0	0
0	0	0	0	0	0
0	0	0	0	0	19.173176
0	0	0	0	0	0
0	0	0	0	0	0
7.999281	65.71682	3.749744	14.046359	11.347881	4.954855
12.081236	9.729217	8.561153	7.292908	7.109208	7.636652
17.367105	14.924818	13.930401	14.89011	12.074367	22.962323
11.744467	5.921278	9.254728	6.578532	11.445745	7.433735
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0.780116	0.347515	0.048442	0.165633	0.363798	0.097384
0.987282	1.268859	3.584145	1.508154	2.308454	0.22743
0.5197	0.364009	0.86145	0.162815	0.760166	0
0	0	0	0	0	0
0	0	0	0	0	0
7.578327	7.498631	4.368306	5.536367	4.513939	5.828707
0	0	0	0	0	0
0.057768	0.283129	0.408144	0.582972	0.498828	0.353886
1.841162	2.087488	2.614187	1.496408	2.195016	4.124302
0	0	0	0	0	0
0	0	0	0	0	0
1.406615	1.374198	1.125779	0.645169	0.569107	0.440226
0.644411	0.437751	1.546252	0.767554	0.933602	1.22123
0.621348	0.688883	0.802765	0.311889	0.304408	0.842902
10.19311	9.699059	19.19145	10.691602	12.095241	9.439045
5.140941	4.061016	3.362619	2.969023	2.963275	3.691792
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
5.240372	4.767774	5.550924	4.002838	4.893236	2.415009
1193.488281	836.366394	583.65448	523.768738	749.984375	883.943665

1.576217	1.462069	2.044556	1.291625	1.665335	0.791053
7.402169	2.936403	3.293231	1.713044	2.511029	4.031874
14.450935	10.967329	14.069175	8.294687	9.868276	10.74867
0.114892	0.321848	0.073793	0.087675	0.113906	0.128306
0	0.099647	0.096383	0.100008	0	0
1.920223	2.159361	2.532621	1.301284	1.73894	1.841524
0	0.086382	0	0	0.027688	0.078559
4.094809	4.104739	2.547455	1.636477	2.786504	4.099841
0	0	0	0	0	0
0.877771	0.370667	0.934143	0.605982	1.432107	0.302604
45.829216	45.85548	29.956762	18.488811	30.245163	38.251423
6.155458	4.972548	8.118185	4.585421	6.318779	5.829141
38.583599	38.904178	33.227856	31.350622	39.188717	53.523338
5.460678	3.227457	3.393222	1.783467	4.159921	9.891793
0.160057	0.12579	0.23049	0	0.208999	0
0.140411	0	0.033208	0.07831	0	0.184358
0.189246	0.105358	0	0	0.156743	0
13.783712	15.114583	7.495386	6.956057	6.98953	11.856944
7.213576	5.814854	4.603817	1.926929	3.339368	5.326783
7.022609	3.16023	4.100876	1.712237	3.845548	3.245073
4.914995	6.172005	10.415125	5.429382	7.257648	4.277863
0	0	0	0	0	0.346166
0.756711	0.862298	0.882867	0.72696	0.754224	0.237249
11.508023	7.248644	3.564086	2.950383	3.731741	5.033739
0.194297	0.111899	0.284541	0.18503	0.145449	0.228897
62.512079	71.305212	65.307164	38.111344	63.24173	74.563368
0.689965	0.165533	1.026928	0.397298	0.397275	18.490616
0	0	0	0	0	0.191719
1.945051	2.765113	7.072264	3.239828	5.589995	4.014444
90.415443	74.574646	71.687546	54.505821	76.048927	71.558609
14.039451	13.443308	19.133006	11.283682	13.850012	14.843665
30.357365	28.119123	29.365839	18.162733	27.680037	25.869696
4.772504	2.058265	0.55317	0.319625	1.14924	1.991871
41.200729	35.179943	22.131367	11.876208	25.672998	26.205385
9.726805	7.016944	5.004299	3.51015	4.786425	8.998522
18.779953	16.953812	20.006176	13.162642	18.345325	21.510723
27.52602	27.525452	20.213493	17.697012	22.49472	30.042164
4.4305	4.231098	5.072396	5.365689	4.88288	3.667215
1.246638	1.465727	0.484258	0.145289	0.765805	1.208182
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
5.181751	4.461449	5.695038	1.893284	2.684962	2.295467
1.039835	0.614101	1.470232	0.292136	1.139378	0.825926
0.085148	0	0	0	0	0
13.80488	18.487597	17.851889	9.544254	13.260171	14.339849
12.601134	13.729165	11.189061	9.613123	12.403677	14.047038
1.070166	0.991585	0.912249	0.590136	0.730395	0.858428
1.373835	4.782206	0	0.232656	0.191165	0.745812

44.822914	44.940605	40.917801	24.401974	32.922241	43.242897
12.987103	15.158513	12.421625	9.279723	14.468741	11.451272
1.379932	1.146859	0.292702	0.444711	0.63578	0.596874
8.886899	6.898757	8.747167	5.907418	9.678094	7.83384
0.768761	0.680036	0.973076	0.50079	0.577277	0.334937
1.190451	1.078646	1.326858	0.667301	0.72514	0.530763
35.36951	42.197434	31.89101	25.500059	27.493689	45.69776
158.231678	138.9389	99.047775	102.296543	100.375521	154.51979
16.2878	19.877289	20.080198	14.465783	13.33298	23.812876
40.488785	34.285793	30.406544	17.247393	27.325264	28.226727
4.259577	4.210576	4.106237	2.885325	3.344808	5.060533
12.379186	12.043299	15.380685	11.291587	14.311903	13.308282
42.347796	45.406158	56.577639	41.229279	53.797531	44.419903
3.344331	5.417508	12.538293	4.490203	7.194163	4.18917
9.974297	9.390971	8.537618	5.77454	8.587237	6.932599
45.249908	60.787886	100.865232	56.734879	65.30718	43.385363
4.295777	6.822977	6.766653	5.262958	8.092728	8.553695
0	0	0	0	0	15.379418
0.09017	0.028285	0	0	0.091628	0.022329
51.290119	46.75782	35.352711	22.124954	28.730696	59.511543
2.39468	2.502811	0.957622	0.781834	1.694296	0.902999
0.542175	0.10656	0.897488	0.125607	0.368396	4.695931
286.277238	305.465592	180.821739	185.772263	166.739968	276.681804
0	0	0	0	0	0
0.781546	0.560907	0.117999	0.094002	0.158682	0
11.53364	11.693901	7.912989	7.395196	10.107014	5.281188
17.068285	17.533587	19.333006	12.71051	17.33987	20.006535
1.881245	2.982221	3.174111	2.20888	1.968208	2.523
0.082753	0.035476	0.060049	0	0	0
0	0	0	0	0	0
3.187046	1.990671	0.3215	0.336397	0.327416	0
0.248977	0	0.092387	0	0.29157	0.53123
85.966019	86.635208	65.044014	76.289085	82.074051	67.640999
15.663643	13.695159	5.568358	5.464455	7.127743	14.214468
3.454308	1.134481	0.986431	0.704992	0.903257	3.415886
1.789196	2.832545	0.988448	2.137714	1.57024	1.480982
116.723526	111.867172	86.772667	70.073997	83.089951	100.374619
23.364027	14.143894	13.728471	11.32815	11.12623	13.58938
29.603777	28.639631	30.852573	20.375332	27.489212	26.393658
11.46266	8.903957	11.623919	6.700283	10.407582	8.01102
5.413834	3.210277	6.492019	3.684817	5.609056	2.889354
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0.096968	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0.70997	0.138865	0.183729	0
7.127663	9.44251	9.79128	5.396048	11.060683	8.662547

4.706424	11.983242	13.866426	11.885662	2.051367	13.167321
0.605705	2.184422	0	0.281227	0	0.22298
0.594817	0.555168	0.668979	0.36174	0.782835	0.534306
1.452625	1.506492	1.819127	0.746154	1.264939	1.128219
8.085539	7.662111	16.702948	10.154918	9.025191	1.694758
2.046654	2.15169	5.29601	2.776816	3.956408	2.737404
2.324718	2.108387	4.108876	3.086514	3.04036	3.740133
3.313488	2.46848	3.25001	2.195006	3.172573	1.977377
4.846465	2.793314	4.642564	2.585831	2.111921	4.083486
4.337971	5.110976	4.48618	3.144574	3.091061	4.025607
3.906228	3.956923	5.666144	5.243082	5.487147	3.776431
233.073532	246.765716	150.97586	147.923767	149.790107	243.629517
8.247807	6.211982	8.66282	7.633434	7.144254	6.145404
16.987957	18.159584	14.578613	10.253909	11.506994	16.068687
28.218054	27.326244	26.244709	21.237486	25.631994	28.89216
45.367905	31.020676	45.391693	26.40811	37.303478	34.479862
5.004953	1.643928	1.592297	1.51326	1.863785	0.842287
39.233452	37.698406	29.141512	19.684828	28.433887	32.295284
0	0	0.169533	0	0.075416	0
0	0	0	0	0	0
0	0	0	0	0	0.686086
6.652032	6.939303	9.648672	4.725553	6.351724	4.888499
34.918221	30.046196	26.015486	15.983387	23.969474	29.828835
0	0	0	0	0.110654	0
1.634352	1.417759	2.09595	1.064611	1.727718	1.274976
14.736323	34.727341	1.665811	5.891306	13.173865	7.874604
0.268686	0.523115	0.516242	0.537381	0.374253	1.129966
0.067783	0	0	0	0.171287	0
0.066412	0.259822	0.048449	0.130421	0	0.340986
9.882602	7.608867	8.743166	6.029472	6.762205	10.40278
7.405986	7.393892	7.77363	4.009596	7.384058	6.052606
0	0	0.032281	0	0	0
1.139228	2.121	0	1.689237	0.277324	1.284364
1.955298	1.625988	2.337007	1.828629	2.092257	1.557728
0.779862	0.549785	1.594528	0.924286	0.927896	0.402064
8.834742	7.195417	5.203123	2.705739	4.844377	4.009489
0	0	0	0	0	0
8.200356	6.112658	8.06138	6.095969	5.843184	8.514878
25.666321	16.374826	15.088948	13.587326	12.559426	7.069172
11.714453	8.525254	13.135862	7.5172	10.726126	8.074189
31.027267	26.345892	25.524109	12.310717	17.879036	22.266632
5.590724	5.114034	6.38681	5.276183	6.206835	4.167398
0.18645	0.17913	0.101528	0	0.044608	0
0	0	0.170906	0	0	0.264843
5.323506	4.977443	5.39225	2.208866	2.41348	6.009049
0	0	0	0	0	6.641459
75.684547	69.979065	41.952774	41.650833	42.342876	72.871872
0.770532	0.278461	0.275971	0.036362	0.301459	0.18007
0.523022	0.0998	0	0	0	0.079416

0	0	0	0	0	0
37.371895	20.998877	27.622175	12.644152	16.549202	22.511183
0	0	0	0	0	0
0.607155	0.843636	1.257519	0.776461	0.879383	0.467673
0	0	0	0.07323	0.255691	0.145987
0	1.527238	0.418415	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
2.646611	2.380132	3.526463	1.891862	2.046783	2.444139
0	0	0	0	0	0
0	0	0.229351	0	0	0.086142
0	1.398996	0.127106	1.624875	1.142819	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0.38511	0.367385	0	0	0
0.064864	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0.362163	0.684685	0.152861	0	0.297987	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0.16897	0
0	0	0	0	0	0.106815
0.319504	0	0.194363	0	0	0.109176
7.688955	6.768295	4.273184	2.34056	2.669073	5.909416
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
2.321849	2.672825	2.821984	2.198848	2.1161	2.396605
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
2.651308	3.368632	4.544795	3.336994	3.286958	3.794899
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
3.250282	1.388209	0.820966	0.546255	1.921847	1.102202
0.47089	0.257476	0.823263	0.417562	0.316498	0.086698
2.310387	2.011836	3.62255	1.945776	2.694285	1.410922
0	0	0	0	0	0
0	0	0	0	0	0
0.479887	4.231051	0	1.13685	1.944719	4.402077
0	0	0	0	0	0
0.208243	0	0.078384	0	0	0
1.719484	0.842127	0.915715	0.803953	1.181235	1.099396
0	0	0	0	2.761848	0
0	0	0	0	0	0
0	0	0	0	0	0

2.279624	0.981949	0.099858	0	0	0.610703
3.846541	3.546451	0.986856	0	3.043933	1.009595
0.114226	0	0	0	0	0
19.783183	12.19019	20.77405	19.161045	13.666952	17.907903
166.135361	188.270508	126.884827	117.984055	121.744408	204.93959
27.593587	33.38383	40.024942	26.766196	34.571639	30.611632
8.686502	10.85707	14.912746	11.215608	13.307494	13.387516
0.514925	0.883265	0.213955	0.390503	0.183094	1.143687
0	0	0	0	0	0
94.181854	105.04364	81.553436	91.111168	83.252968	97.179367
4.650065	4.814536	7.026183	4.171093	5.433014	4.177249
0	0	0	0	0	0.120171
0	0.297124	0.075998	0	0.113375	0
11.607703	10.543336	5.510206	7.271429	6.170521	13.579231
17.694812	12.340748	10.335235	5.667107	8.628966	11.541192
79.270134	73.823486	47.041988	50.869671	51.499901	72.38446
7.961671	7.966096	13.436191	6.27499	7.328167	8.656436
0.146901	0.550127	0.204073	0.243825	0.201689	1.834694
27.184256	36.398247	36.511467	27.639473	31.739157	27.850986
13.068187	15.76609	10.500352	9.067666	10.789906	9.337663
22.986343	22.151623	22.707489	17.090214	20.717672	19.423727
51.195324	47.779266	35.859737	35.141609	46.434422	54.420567
0.126077	0.029429	0.186399	0	0.085113	0.302078
0.12318	0.079182	0.020791	0.037497	0.12253	0.261464
4.08726	4.796522	3.365133	4.155484	4.611445	3.783695
62.994156	58.802639	17.858332	24.353611	24.099329	60.000973
158.341507	123.641373	54.452301	74.124123	74.523743	130.088486
2.954376	2.687009	0.781774	0.903987	0.557823	3.376522
73.040596	60.745876	20.993469	28.395794	28.16548	64.934624
41.225632	36.509354	54.182316	30.14336	35.813563	38.68674
0	0	0	0	0	0
9.898638	12.95811	19.131983	20.66673	27.329657	9.454166
18.660303	19.77593	21.73567	12.808227	15.591582	14.250196
4.708534	4.873268	7.1343	4.555546	6.030293	5.652365
0.068477	0.145079	0	0.063703	0.499576	1.517095
0.302446	0.098891	0.082951	0	0.111693	9.559335
16.079344	12.09363	15.837712	8.678742	12.228046	9.389996
18.268625	13.181597	5.834287	4.877744	10.997215	10.026945
9.716171	8.830487	11.251048	8.506948	12.174048	7.704021
3.7984	1.94829	0.917063	0.509599	1.606823	1.501569
3.51087	2.765545	6.342875	3.384561	3.406664	3.048437
19.557289	18.046597	16.211849	12.938753	14.283621	15.650559
43.582062	47.61792	35.756313	38.321377	36.420258	44.600227
7.376998	9.416987	15.318128	8.231188	13.183061	8.14962
7.266517	8.423868	19.796526	8.253878	13.818797	7.614269
22.588344	13.303434	19.460475	13.419607	15.569186	15.568578
0.180116	1.594056	0.108044	0.368205	2.401712	0
1.382975	1.739294	0.254111	0.073548	0.232421	4.490916
4.063495	4.686942	5.174787	3.261206	4.025222	2.863599

2.948317	3.321629	4.713209	3.187705	5.905936	3.453479
7.175598	9.306255	8.780559	5.832868	8.237952	7.920402
7.21081	8.498203	8.389021	5.777942	8.722864	7.875474
2.033404	7.364535	0.61008	0.374717	1.486837	7.394196
4.630198	4.208084	4.236543	3.863743	6.21266	0
5.586892	1.437166	1.776386	0.768004	1.714284	3.895469
0.336316	0.5798	0.391774	0.616504	1.146832	0.610276
5.3406	6.803358	8.714466	5.599977	7.072798	7.252523
2.549752	2.12932	2.384909	1.512638	2.124391	1.750262
0.572924	0.189365	0.227711	0.26883	0.575507	0.304841
51.155067	44.067822	49.26149	36.671505	41.243347	55.157578
0.084407	0	0	0	0	0
1.903584	1.601037	3.907268	2.930119	3.042696	0.96968
3.391936	2.222298	2.935041	1.752597	1.646741	3.141695
0.730936	0.291175	0.636139	0.240795	0.572609	0.257322
0	0	0.086722	0	0.58231	0.383201
1.435722	2.400711	3.397844	1.741812	1.362248	1.792275
0.118593	0.15286	0.056898	0.039508	0.132208	0.547284
0.434197	0	0	0	0.161001	0.417127
0.23881	0	0	0	0	0
0.083491	0	0	0	0	0
17.84807	20.652647	15.858201	17.443176	18.11577	21.604702
23.018131	19.182388	18.281641	11.545557	19.716537	21.19833
1.483898	0.447506	0	0.352453	0.215359	0
0.390526	0.428456	0	0	0.868408	0
0	0.328902	0	0.519767	0	0
0.618586	0	0	0	0	0
29.926668	25.161173	21.665691	14.875415	20.74313	23.937063
1.324317	0.834022	1.014172	0.542337	0.621866	1.10111
0	0	0	0	0	0
0	0	0	0	0	0.681354
0.589925	0	0	0	0	0
0.089869	0	0	0	0.423568	0
594.544067	416.140472	318.745209	226.278	669.194092	173.48819
0.086146	0.277289	0.110499	0	0.042702	0.245193
0.299753	0.215971	0.080425	0.06322	0.294199	0.257789
1.670123	1.542224	1.811455	1.347669	1.492887	2.149073
0.968973	0.545869	0.291623	0.214964	0.280316	0.211553
0	0	0	0	0	0
55.648308	96.704529	93.994904	103.559105	124.563942	47.470169
6.085253	9.077866	14.04753	9.161599	11.354197	4.819023
2.684805	25.528639	0.257088	4.685134	2.183938	1.702913
0.799608	3.503338	0.078818	0.753688	0.351353	0.493939
9.615144	8.58444	4.231527	1.838705	6.600533	1.739622
0.76649	0.461233	1.353771	0.683047	1.095819	0.523769
8.361194	7.320224	21.283141	6.423146	11.137272	17.062408
19.15749	15.397089	12.874317	9.005545	9.88517	22.300768
1.676546	4.746369	0.934259	0.557798	1.151835	2.622812
68.410488	53.365854	45.110965	32.09689	37.759391	61.168705

10.407083	12.808938	10.48443	6.950618	8.020732	12.72503
27.851995	23.841566	28.014086	18.103148	20.431944	32.570751
10.688295	7.144256	9.191738	6.424942	7.990706	6.270656
9.380338	5.187835	5.812761	2.818098	6.236764	4.719364
99.185232	33.233807	43.716625	35.564911	30.553429	106.504818
5.437685	5.046931	6.567531	3.851777	5.193748	4.455457
0	0	0	0	0	0
5.259102	4.058377	5.018558	4.629364	4.20817	4.45598
32.09277	26.287867	25.585823	20.674547	26.118965	31.614906
0.351183	0	0.066854	0	0	0
2.136177	1.417571	3.017488	1.709126	1.728673	2.89616
29.635365	26.618769	19.264601	18.289051	19.05397	29.94486
10.071199	2.566663	2.695405	0.679246	1.927205	3.532422
132.52066	141.054749	119.738075	95.407585	104.980309	135.036743
73.327736	67.806084	58.878532	67.799286	61.318291	74.74556
6.170777	7.111813	5.622923	5.368219	5.965586	7.554471
18.218836	17.134962	13.155505	10.395391	12.475279	19.550631
7.190975	7.433253	7.998953	6.756978	7.002058	7.720068
8.919758	8.503218	11.784248	8.710921	8.874038	10.186299
0	0	0	0	0	0
37.721157	31.346605	32.243404	30.471134	25.81214	45.282791
56.766013	107.049572	42.912117	51.341143	67.873367	47.257878
4.792141	2.916947	5.260193	3.656001	4.01195	3.854013
2.753686	5.841182	2.970241	2.50829	3.41415	2.307241
9.593943	9.132403	11.020118	8.029479	10.466881	9.255771
127.130516	85.127892	108.101925	51.676899	97.908677	73.903046
0	0	0	0	0.104981	0
0	0.063829	0	0	0	0
6.541674	9.652948	7.037832	7.326468	10.651014	12.587621
4.878637	3.337247	5.208222	2.678879	4.466284	3.147773
0	0	0	0	0	0.133091
1.172533	1.5862	3.080814	2.185859	3.347164	1.756016
0.930868	1.367535	0.211194	0.662044	0.816827	0
0	0.107443	0.125579	0	0.246398	0
10.28114	14.843918	18.172335	16.38287	22.87705	16.633766
0	0	0.011338	0	0	0.485585
0	0.0665	0	0.051908	0.126871	0.186722
10.282957	6.033723	3.672736	1.583461	3.01122	3.338791
9.491172	8.717297	9.960938	7.953058	9.602087	9.872904
0.477209	0.073101	0.017323	0	0	0.154732
5.516758	5.080544	5.899562	4.73423	6.47429	4.223655
17.912313	18.709013	22.428001	16.669657	18.770473	16.466244
0.627294	0.325304	0.365374	0.303024	0.068693	0.60102
11.116628	23.090021	14.199904	7.922768	11.973901	10.891343
0.145617	0	0.165122	0	0.534772	0
0.659772	0.331653	0.357727	0.330624	0.367318	0.272808
17.448164	19.006605	21.20927	18.324713	17.21744	17.650421
21.189111	19.16148	20.757338	15.43725	26.300167	21.359561
49.571114	76.642723	171.07103	225.333801	236.664841	41.93515

27.89348	31.618906	44.73278	48.88765	50.444557	29.831083
0.19148	0	0.123389	0	0	0
2.065169	1.261195	1.068219	0.443904	1.133718	0.614308
47.775311	48.384548	42.76635	36.19442	41.132351	50.905064
5.574035	3.546887	4.700052	3.414964	4.097568	3.053318
51.035603	80.418533	63.900745	44.618462	46.726276	69.291634
27.940102	31.121534	24.64237	19.219229	24.014009	29.496113
279.625183	351.55954	292.116455	297.396027	304.773743	352.551544
101.804962	92.960098	64.853035	65.424873	65.132187	92.608437
0	0	0	0	0	0
35.773918	31.865213	25.500261	15.796634	18.703114	41.517353
7.428288	7.937976	9.524889	6.292927	5.86835	7.539292
0	0.070683	0	0	0	0
19.234489	22.11701	16.409534	16.621788	24.165026	27.794693
11.987052	15.737653	11.383758	10.421556	11.42103	11.885594
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0.444082	0.810995	2.73227	0	0	0.686545
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0.083234	0.047068	0	0	0
18.306442	17.944752	12.900797	7.12505	8.025654	40.287045
9.773252	6.87265	9.398968	7.066948	8.620165	6.025891
2.715383	2.312756	3.514361	2.998876	3.644691	2.234307
16.43008	15.29952	17.044809	9.109631	14.194315	15.605791
5.777363	6.039838	8.791939	3.996623	5.002603	3.704147
2.559165	3.133948	2.956855	1.781088	1.826556	3.776341
0.70121	0.671739	1.460539	0.603215	0.66292	0.937707
3.147812	3.890743	3.398355	11.234924	3.199101	3.234071
12.378705	9.481705	12.064435	6.148522	9.961955	9.899096
55.518674	41.882498	54.45836	35.419013	38.596468	39.133463
23.718028	18.155063	18.722281	13.038659	16.528186	15.459819
37.333115	31.9712	31.294768	23.219319	29.125568	25.809236
35.853062	27.341949	25.046646	18.047731	20.51277	33.067451
9.123532	12.788084	19.392823	12.16995	13.947219	12.728893
20.029219	13.91459	19.218413	13.825413	18.83976	8.727779
0.73416	0.273407	0.45451	0.392205	0.518453	0.447313
16.16567	15.04529	16.73714	17.914406	15.685788	14.275653
21.566381	19.237919	30.954149	17.408228	20.862015	17.355461
7.563876	9.125898	8.828493	7.464718	7.991172	9.214865

122.207634	138.994237	142.893082	146.830711	148.444843	128.284515
13.100992	13.51137	12.022611	10.088244	12.144582	14.508942
0.351183	0.062107	0.198112	0	0.083052	0
0.133858	0	0	0	0.177641	0
0	0	0	0	0	0
2.088333	0	0.105191	0.122363	0	0.399168
1.096919	0.765776	1.013387	0.765152	0.615912	1.296395
11.932262	12.820891	13.228335	8.578081	11.535552	16.893341
45.845097	40.08868	30.847834	32.091496	28.227448	50.305878
218.72583	200.396027	165.818344	170.557709	168.18483	232.323563
29.412037	22.966082	23.8493	15.154001	19.45705	32.455708
10.763273	10.916065	14.853539	10.778214	10.22639	10.790478
17.148315	14.55259	15.085221	11.542768	13.080916	15.232886
13.370067	10.255846	14.396746	7.599074	11.030235	11.606601
6.627411	6.448023	10.445278	5.329023	7.795951	5.675202
0	0	0	0	0	0
4.733945	4.407566	8.236076	3.782907	5.278823	4.678801
0.022716	0.042971	0.036557	0.016934	0	0.161123
10.867314	8.641356	9.617812	8.465782	11.626174	8.174342
0.801983	0.509551	1.114298	0.663202	1.001838	0.451365
30.908571	24.753103	22.215797	12.286044	15.584932	21.072208
14.667214	14.274663	13.678559	10.965043	15.367838	13.910494
504.932286	719.905489	589.766598	694.022877	828.684448	605.052007
0.062001	0.096286	0.219834	0.088879	0.174397	0.096431
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0.230063	0.504945	0	0	0	2.743783
20.52758	14.391176	13.388261	7.434183	13.293507	36.59734
186.582779	114.013344	24.280596	25.966652	49.281666	67.092621
0	0	0	0	0	0
6.124975	4.58486	5.397013	3.295554	3.730775	4.320368
20.348038	17.372536	17.251574	13.973036	16.839972	17.764652
8.839324	6.874707	6.960675	4.202243	5.126264	9.342245
3.464959	2.202915	3.249527	1.858346	1.772201	4.92152
0.066402	0	0	0	0	0.075508
0.066816	0.700479	0	0.067528	0	0
0.267182	0.129351	0.414601	0.095383	0.137756	0
6.174454	4.712691	5.340239	2.1692	3.135787	3.306983
7.211711	10.469009	11.584576	7.620859	9.528655	7.42336
3.860751	3.505735	6.053314	3.764302	4.84166	3.499023
5.981566	6.058925	8.916284	2.941986	5.008965	5.273341
4.906451	4.313252	8.581096	5.338501	7.852959	4.450724
0	0	0.385209	0	0	0
4.280791	4.047365	4.184805	2.716989	3.496799	4.262839
2.304931	4.391751	2.975086	3.806107	3.806451	4.539615
11.806025	15.667027	15.075269	9.846184	12.715606	15.675091
419.861771	479.533725	421.574874	652.763901	513.308719	553.500597
8.688604	8.465092	11.004487	10.294659	10.551316	9.889426

47.569622	54.426033	44.513084	42.650589	52.505947	41.134975
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29.468637	23.035782	13.786257	14.188033	16.058311	25.154102
20.235211	23.690442	21.930971	26.557266	28.89697	25.966614
0	0	0	0	0	0
13.63661	6.656842	5.895765	3.486959	3.718151	9.724466
0.328001	0.474886	0.613324	0.212289	0.83093	0
0.828866	1.07683	2.696407	1.427988	1.33827	0.616648
0.101243	0.317217	0.627418	0.786509	0.570112	0.242227
0	0	0	0	0	11.778514
0	0	0	0	0	0
0.624345	0.25427	0.236716	0	0	9.544175
0	0	0	0	0	8.732429
0	0	0	0	0	12.65297
0	0	0	0	0	8.833184
0.18475	0.316101	0.066881	0.18506	0.144173	0.105275
2.084143	2.031557	3.489414	1.475962	2.735845	2.063523
5.787441	4.177687	5.170884	3.714255	3.779155	6.776419
15.104809	13.301709	15.488246	8.69558	9.484743	19.642965
45.648438	41.649139	35.898491	28.707924	30.944199	47.436565
7.654813	7.232373	6.045047	3.949334	6.125472	6.254665
148.379974	120.72448	72.373878	80.337212	80.175705	153.917068
0.707586	0	0.134541	0	0	0
18.778349	16.905701	20.843195	16.214304	15.28583	18.139881
11.142422	10.210759	6.290861	3.024179	4.460991	11.149851
0.458288	0.237197	0.173166	0.189876	0.243437	0.266738
107.990173	97.392448	82.33316	77.943901	66.334053	119.259659
90.301933	81.523262	71.751175	73.263115	72.416405	97.953621
5.508042	4.900354	7.610653	3.110651	4.081961	4.137181
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1.788983	1.559066	1.417775	0	0.974615	1.724787
0	0	0	0	0	0
0.054285	0.200573	0.443789	0.176038	0.519758	0.099921
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0	0	0	0	0.05195	0
0	0	0	0	0	0
1.459281	0.687292	1.451245	0.761393	0.567969	1.016776
0.748693	0.103938	0.157401	0.09736	0.095184	0
0.287912	0.642656	0.847694	0.750962	0.945412	0.800142
0.729805	0.782017	1.2874	0.889438	1.201918	0.458029
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1.788836	1.323498	1.838765	0.381896	2.747732	1.124421
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0	0	0	0	0	0
0.795647	0.720671	1.059064	0.779408	0.922999	0
1.325197	0.91825	2.214566	0.635482	1.265317	1.338006
7.811048	9.954072	6.06428	3.914966	4.840964	6.054828
0	0	0.143011	0	0	0

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7.303381	13.081063	4.305928	3.784725	6.431022	9.370061
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0	0	0	0	0	0
0.256911	0.219434	0.411553	0	0.155855	0
29.060368	24.11491	22.135786	21.723196	24.336311	27.417326
3.072253	2.452553	3.760676	3.287259	2.673329	3.784048
14.499002	11.46495	9.105362	8.904909	9.858927	12.299707
930.831177	622.844788	331.209564	231.158112	358.556946	502.317566
560.512207	392.21637	241.820755	159.232056	277.408356	271.387054
142.916351	137.306641	114.348122	118.305038	102.891693	181.61673
664.773682	458.013092	278.051056	161.0681	288.047913	384.898407
0.545767	0.251054	0.132206	0	0	0
0	0	0	0	0	0
0.096123	0.144226	0	0	0	0
0	0	0	0	0	0
15.388642	14.58696	13.972927	8.577876	17.521777	9.06211
7.002935	1.556314	0.682566	0.438556	0.917463	3.324777
11.916252	0.076509	1.37535	0.149172	0	3.39405
0.331135	0.09485	0.121219	0	0.308239	0
24.514807	23.650464	8.49953	3.105554	14.982372	2.973633
74.870259	59.377733	25.481681	21.973989	37.632397	32.66724
3.574685	2.570813	1.603356	0.978739	2.629079	1.107335
0.945284	0	0.347797	0	0.117082	0
25.035267	24.316652	18.585472	13.182579	24.217291	14.269326
9.484686	8.55747	4.465375	3.898301	6.127007	4.043772
4.338895	7.091832	3.186641	2.121191	2.897768	3.68294
38.56437	28.319222	14.757281	10.961632	33.990286	7.777096
6.231086	4.767329	1.444965	1.764614	5.072374	1.274322
7.764532	7.527494	2.181084	2.346903	4.644933	2.098928
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0.056851	0	0.026677	0	0	0.116362
0	0.097646	0.027405	0	0.063332	0
1.382663	0.570448	4.016768	1.571279	2.305316	0.776936
0.597379	0	0.589668	0.437535	0.21693	0
0	0	0	0	0	0
0	0	0	0	0	0
1.68036	1.158995	1.526751	1.442565	0.597616	0.917193
3.288155	4.072915	1.620751	1.508539	2.363026	1.514142
10.385651	7.797058	7.673994	4.397841	6.356693	13.596679
2.22932	2.203339	2.994683	1.382134	1.879201	2.25182
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0.090124	0.067355	0.016349	0.020659	0	0.053803
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6.287186	4.757695	8.146353	4.065067	5.178274	5.781597
65.869865	218.718414	41.986908	61.492397	129.954254	29.573523
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27.925082	26.014091	23.162511	13.02459	16.101018	21.656837
6.894591	7.079686	7.54801	6.808664	7.498017	7.896368
0	0	0	0	0	0
0.939577	0.723443	0.54839	0.521453	0.337599	1.16869
0.591565	0.505104	0.561399	0.251011	0.538694	0.240695
6.081545	5.213542	5.768893	4.431562	4.060303	5.855917
0	0	0	0	0	0
0	0.30014	0	0	0	0
0.162616	0	0	0	0	0
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6.533526	6.102582	6.683345	5.036125	4.996633	8.494516
20.381227	8.447297	12.510995	8.551347	10.550826	6.803587
5.327434	2.548187	1.777496	2.023963	2.822756	0.463716
1.213669	0.916871	0.8136	0.784672	0.98303	0.818673
3.132509	8.246863	2.3719	2.52712	4.371655	1.303082
27.364861	62.897163	22.761795	18.551729	39.792473	10.430277
3.973072	31.559738	0.995501	2.85611	10.468081	1.948394
0	0	0	0	0	0.360942
0.631278	0.185301	1.124084	0.985096	1.087626	0
0.076657	0.028604	0.104473	0	0	1.170455
0.29283	0.31559	0	0	0	0
38.834316	24.501257	1.654523	8.303043	1.152787	1.580559
3.302953	2.39199	2.036034	0.762627	1.288667	2.036259
0.799981	7.239196	0.077656	0.505684	0.850425	0
0	0	0	0	0	0
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1.010057	0.47634	0.711313	0.506246	0.82661	1.295662
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0	0.662359	0.095922	0.099087	0.12974	0
0.057582	0	0	0.057807	0	0
8.143557	8.560312	13.918073	7.492424	12.294075	14.434971
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0	0	0	0	0	0
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0	0	0	0	0	0
4.987572	3.589802	5.074438	2.777838	3.570539	4.301364
0	0	0	0	0	0
0	0	0	0	0	0
1.560463	16.332715	0	1.990886	1.885908	0.641401
0.732364	8.943822	0	1.138286	0.666817	0
4.969447	17.538309	2.701449	3.960208	3.35156	0.746961
2.240613	31.861519	0.342528	1.975253	2.984134	1.79274
1.140959	0.447372	0.97045	0.526637	1.416736	0.823335
0.909799	0.425564	0.711955	0.228947	0.440549	0.250085
2.0261	0.300612	1.121931	0.55288	0.220232	0
14.294116	11.012178	7.540266	5.879541	10.889906	11.187874
4.487486	4.368927	4.100304	3.086978	3.481113	5.033575
22.603153	20.496653	20.656664	14.303911	18.246197	26.357836

9.941963	8.014011	7.755695	7.516037	7.194582	7.917508
7.259282	6.793599	10.650448	5.32821	7.040981	6.955453
2.211827	1.304426	1.328027	0.929156	1.74712	2.52628
9.740311	7.372722	8.574059	4.481977	7.22665	7.107756
1.783375	1.036675	0.728548	0.628884	0.663675	0.305034
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0.184231	0.95715	0.745264	0.372744	0.336647	0.469731
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0	0	0	0	0	0
0.48644	0.619723	0.805963	0.247228	0.408025	0
14.722084	15.528241	16.108596	11.315963	16.765568	14.110992
0.591741	0.307741	0.397544	0.076452	0.289085	0.641313
0.622123	1.722679	4.051625	1.293477	1.125765	0.539651
0.028733	0.039755	0.016936	0.031241	0.037183	0.020241
1.911765	2.403308	4.109225	2.337698	4.967326	2.512747
2.276347	0.371159	2.900917	1.080924	2.113341	0.731076
0	0	0	0	0	0
0	0.042767	0	0	0.024559	0
1.063242	1.143348	0.750292	0.446412	3.458606	0.219804
0.0909	0.047417	0.120123	0.064794	0.090425	0.15449
0	0.026616	0	0	0.01503	0
5.490969	0.039756	0	0	0.120126	0
2.527364	1.29487	1.257722	1.368582	1.873768	0.678196
0.021956	0.011765	0.009957	0	0.053513	0.039822
0	0	0	0	0	0
0	0.067382	0	0	0.051422	0
3.990809	2.051908	3.992283	3.321474	4.558775	1.772366
1.208223	1.310049	2.034133	0.910919	0.917476	1.237994
15.55909	14.803872	22.439749	12.822417	23.705404	12.134052
0.082575	0.088633	0.152935	0.093087	0.071953	0.140717
9.827862	0.312755	0	0.126859	0.396171	0
0.07091	0	0	0	0.864093	0
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0.666574	0	0	0	0	0
2.403154	1.803624	0.659015	0.430986	2.372899	0
0	0.282915	0.079935	0	0.322908	0
14.335269	12.0552	14.535438	8.442225	12.206631	12.422722
6.587613	5.302142	6.158591	4.913461	5.769049	4.897582
82.453194	68.91449	46.422878	45.460876	39.124199	79.742325
10.036301	10.521798	12.267342	7.288833	8.280669	13.564923
9.707163	17.041833	19.931478	12.66545	14.850503	14.281395
0	0	0	0	0	0
3.531604	1.838549	1.036346	0.933996	1.545221	0.623783
9.547599	13.869716	5.711189	3.576294	11.052158	6.344963
0.039876	0	0	0	0	0
0	0.143946	0	0	0	0.061657

0.153901	0.178162	0.475868	0.053398	0.179192	0.163306
0.619838	0.665725	1.156312	0.979979	1.267128	1.309964
0	0	0	0	0	0
0.354814	1.669232	3.372242	2.686808	2.559315	0
2.555482	0.231314	2.831178	0	3.842415	0
1.041895	0.792147	0.249153	0.2295	0.574312	0.650036
11.352159	18.420628	31.425217	18.164129	26.155199	13.702414
0	0	0	0	0	0
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1.774444	1.035333	0.89316	1.194697	1.372003	1.09236
144.230621	114.89843	102.159271	110.173271	128.329102	110.263847
0	0	0	0	0	0
5.402597	2.655116	0.966959	0.986132	1.078782	2.095605
215.933273	171.309891	122.090858	103.530006	110.500488	238.954132
288.187439	253.105453	245.430328	207.948029	222.885696	316.612152
107.58345	104.554016	78.997475	49.095776	74.228241	118.63208
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7.367534	5.434556	5.591586	3.145704	7.608616	93.657042
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678.246765	799.575256	376.829468	394.476868	486.418091	643.720398
2.698692	2.55578	2.197475	1.177642	1.347869	1.366336
0.665942	0.475677	1.507336	0.070621	0.414255	0.645693
215.774581	227.45244	221.1702	160.687826	236.255011	248.097704
0.180973	0	0	0	0	0
85.732018	72.121872	78.101906	59.146259	67.882271	82.672935
2.829199	3.15351	2.601156	1.531273	2.426037	2.585282
0	0.132836	0	0	0.212072	0
3.061954	2.520322	1.941709	0.915386	1.837613	0.596437
2.918279	0.822985	0.505242	0.526072	0.549426	0.772491
11.507924	10.446113	26.082895	18.484348	20.930606	18.434136
17.251929	12.449871	16.215214	11.093199	4.743128	15.308252
15.268241	27.304602	12.841671	17.815878	24.75349	12.732183
6.767668	5.251499	1.961251	1.574533	1.353601	4.606903
0.110542	0.051018	0.103106	0.049423	0.077034	0.142933
2.094152	1.982782	1.129874	0.572535	1.092957	1.13525
14.971619	12.770018	15.355245	6.792285	7.992859	10.838527
0.837506	1.703429	2.055937	1.190637	1.07322	0.813454
0	0	0	0	0	0
33.158913	28.405725	28.474781	17.976036	22.31735	29.061277
0	3.546775	0	1.363913	60.120316	2.130908
6.118745	4.924694	7.035357	4.145196	5.884147	4.734035
6.580758	5.324394	8.91637	6.321705	8.085949	4.550143
0.332627	0.765769	0.265087	0.194673	0.444777	2.899664
5.210367	7.273399	4.900958	6.917991	7.53759	6.984578
15.627896	12.541198	14.153218	8.20922	11.434578	9.2208
11.337834	10.452316	10.735291	7.901911	9.052486	11.769449
1.595876	1.410434	1.240154	0.938885	0.866939	1.309063

24.247406	24.656258	30.017679	15.616483	28.375632	27.989016
132.558581	154.243711	103.467113	95.370041	105.579653	114.407576
121.680588	104.195219	99.324433	63.077793	89.491989	117.77966
2.90903	0	0.045234	0	0	0.464053
197.371205	247.59749	252.278404	206.997199	239.602963	280.739082
36.636616	38.902358	40.379891	27.123427	31.866761	43.857151
4.364753	5.179715	5.004895	2.849229	4.232798	4.569221
0.058249	0	0.085677	0	0	0
0.848611	0.455078	0.411689	0.213636	0.405142	0.715567
0	0	0	0	0	3.188228
4.459346	4.428658	8.477785	3.950319	5.733276	3.93644
79.309769	71.432922	70.265778	40.424587	46.941002	63.456093
1.568278	0	0	0.094479	0.070689	0.180178
2.464231	5.114054	6.038054	4.374199	4.939743	2.301703
1.104727	0.549038	0.089829	0	0.376536	0.188187
12.273576	8.467082	9.554918	6.265343	7.81778	7.255161
0	0.287658	0	0	0	0
0	0	0	0	0	0.422288
213.337769	218.25238	178.015549	135.354202	162.688538	187.980927
1.321979	0.057358	0.16157	0	0.440987	0.814751
32.036534	29.772658	44.0182	32.156476	35.958601	32.015911
4.669803	4.074511	6.100749	5.59534	7.528089	2.797625
0	0	0	0	0	0
0	0	0	0	0	0
33.906029	29.083635	31.620472	27.455032	28.138462	36.338768
89.15023	64.209137	59.760296	67.602234	57.493351	73.078377
0	0	0	0	0	0
191.744834	191.018485	160.660061	120.846024	159.746141	185.296642
0	0	0	0	0	0
0	0	0	0	0	0
2.045904	3.223466	0.453804	0.211255	2.715477	0.323156
2.167212	1.543064	3.438715	2.09602	3.97748	0.998842
10.816901	4.982422	7.522709	7.954332	8.040006	11.438225
0.184594	0	0	0	0	0.253085
1.079656	1.393424	0.643556	0.259392	1.10269	1.088148
2.398311	1.343191	0.517654	0.426291	1.290294	2.020266
88.040314	34.30629	0.179881	0.686705	0.195161	1.286121
158.537216	74.473434	61.825989	63.730057	47.083908	236.342712
0.248098	1.171057	0	0	0	0
2.379215	3.153344	6.288938	3.536614	4.199997	5.603893
5.183265	3.268778	6.336022	3.227262	2.586527	4.639596
0	0.108574	0.323226	0.156042	0.153577	0
0.304992	0.664525	0.023134	0.225993	0.47578	0.596831
1.621674	2.06706	4.842397	4.880705	5.722011	6.612308
2.55312	3.737768	5.249048	3.14994	4.163493	2.330666
0.900081	1.587603	0.46407	0.222684	0.108645	1.627561
0	0	0	0	0	0
1.797553	1.311632	1.898067	0.492875	1.818771	1.7596
26.777491	22.655661	20.144686	8.651497	10.649342	17.754477

1.144988	0.801049	1.967935	0.896291	1.57548	0.659334
44.795547	44.87553	40.387875	31.27648	35.497269	46.661125
54.934513	56.954468	53.377924	48.081176	53.74491	58.605453
0	0	0	0	0	0
26.278038	29.38994	33.267421	19.976912	24.313923	32.222996
0.880129	0.623663	0.722057	0.313772	0.698547	0.588812
20.204712	21.996148	38.159754	25.686606	38.544738	25.517534
12.340544	12.910093	12.040046	6.837575	7.607549	9.69523
0	0	0	0	0	4.14533
0.208069	0.205058	0	0	0	0
17.310047	16.795631	24.231405	14.699085	18.95936	16.370996
2.136065	1.897565	2.087073	1.905165	2.159833	1.824232
0.897523	0.541989	0.965368	0.163566	0.410674	1.197981
5.273499	3.296255	3.072044	1.561475	2.614451	2.535297
3.105177	3.361816	4.153936	3.630467	4.184967	3.184898
0.122126	0.177895	0.097553	0.097391	0.216366	0.033598
3.872364	3.361946	6.213011	2.94608	4.565702	3.771555
12.19959	7.112195	5.074737	2.938048	3.97772	15.134634
5.832885	2.715111	6.280096	5.366715	5.465154	4.532506
0	0	0	0	0	0
7.675404	8.318918	12.894774	7.87124	8.084627	8.344602
38.332887	47.41253	41.236878	32.614642	43.331791	53.182198
12.521701	6.146899	7.520114	8.252832	10.090777	7.381681
29.974779	25.769039	31.332415	26.372074	30.433235	34.116772
5.890008	5.192457	4.074584	2.366414	2.400133	18.066265
25.971704	20.788655	24.853962	16.394029	17.7917	27.191681
2.202595	1.37337	1.984568	0.969415	1.264059	2.432976
6.222552	5.367162	3.773813	2.911133	5.023096	5.137555
62.089275	0.585549	0.146373	0.395239	0.496543	0.747163
1.98417	0.102653	0.087756	0	0.117904	1.190645
0.033305	0	0	0	0	0
0.88064	0.908793	0.769935	0.250166	0.502195	0.36392
23.453007	22.414764	31.38933	23.672252	27.558448	25.706022
0.70478	0.322014	0.33659	0.121639	0.339042	1.75246
27.137516	46.918636	18.265446	16.354212	19.185339	28.425554
1.437261	0.434255	0.670644	0.465746	0.640074	0
0	0	0	0	0	0
1.237104	0.892513	1.193727	0.937526	0.915124	0.468659
0.096452	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0.295936	0.168026	0.105221	0.237198	0.087252	0.101089
0.02821	0.072857	0.244737	0.085022	0.089398	0
0	0	0.085708	0	0	0
11.594452	9.536539	25.935131	38.367586	13.911681	13.522865
14.268721	15.553026	23.872796	17.607431	15.246542	18.752704
3.977598	1.329671	0	0.460782	0.625001	1.298035
4.947353	4.820119	6.187983	3.929621	4.741483	4.826834
2.347908	2.93823	0.910785	0.414182	0.474493	1.17769

30.774669	27.155507	30.400765	20.412424	24.02942	30.358793
3.255614	2.24203	3.705681	2.738976	3.117789	2.435742
8.0414	6.145553	12.921045	7.46781	12.980718	4.647427
0	1.274354	0.160177	0.635425	1.840521	6.567929
4.604684	3.599083	4.184994	2.308797	3.611548	4.654175
0	0	0	0	0	0
0	0	0	0	0	0
0.060909	0.068807	0.05839	0.047392	0.121306	0
0	0	0	0	0	0
15.396764	17.147381	11.300698	11.184031	11.727181	43.685028
30.640263	5.129534	39.259491	4.087097	9.698286	20.442095
8.443687	5.300658	2.897478	2.401865	2.978048	4.635727
12.041431	7.211677	7.05322	4.817434	5.834215	8.381721
0.635121	7.894197	0.544424	0.988962	1.325495	0.453875
5.371682	4.880363	4.371458	4.364866	4.303634	4.487536
47.994534	55.023876	51.978569	41.480007	42.13998	47.489052
3.837835	3.968937	8.38766	3.704042	5.724945	4.167919
31.5784	36.205738	32.92226	29.1028	30.49806	38.236134
5.273181	5.994353	9.855062	5.315716	7.834112	6.106088
16.021872	16.478589	25.742379	15.387106	18.114857	14.397694
34.791546	36.928616	38.463318	22.751326	29.864319	25.6992
5.079641	6.151247	12.938927	5.631248	8.892326	4.165611
7.327694	8.375476	9.773975	6.035101	8.790667	7.659543
19.72533	20.628979	17.609449	12.518107	14.062284	22.07074
10.888122	11.23298	13.949069	8.66856	11.550516	9.831346
13.898758	9.69575	16.254719	8.11632	12.334912	11.104946
2.285239	1.637863	3.660925	1.527724	1.997555	0.875446
32.283882	20.374113	20.755762	16.858341	19.173185	17.334084
11.375603	10.626721	15.673751	8.778084	11.000329	11.684248
1.263901	0.24621	0.32505	0.34215	0.890562	0.254566
3.973104	6.386409	6.236405	3.221598	4.846759	8.201713
2.408447	5.233942	1.20458	1.461528	2.521811	3.036124
13.127926	16.551283	9.165348	6.912922	8.006846	12.692765
14.739683	17.478228	25.417971	14.841712	17.671389	14.342757
0.295027	0.362052	0.122566	0.127177	0.160708	0
0	0	0	0	0	0
0.589662	0.482146	1.019551	0.200161	0.391995	1.257627
43.729034	43.796314	41.402691	43.430103	46.47094	63.318508
0	0	0	0	0	0
33.787323	35.352766	21.898238	18.82873	18.25388	22.879709
0	0	0	0	0	0
2.16584	1.360931	2.170223	1.070083	1.746445	2.025221
0	0	0	0	0	0
2.427324	1.527789	2.183222	0.372457	0.832809	1.7764
28.8349	23.691294	23.07358	18.314955	19.06881	22.819427
0.763966	0.200616	0.820142	0.235624	0.177198	0.944613
10.341608	8.133035	7.696051	5.748497	6.13912	6.967346
74.36705	71.341179	47.544651	40.827728	45.410191	66.857422
1.645097	1.914209	3.408749	1.587992	2.370574	2.745854

0	0	0	0.062924	0	0
3.664937	2.177674	4.185484	3.197082	2.796754	1.992786
85.669403	84.080536	53.20451	51.911591	48.405876	73.020302
2.953325	1.752949	1.924859	0.820859	0.546623	2.139293
3.907431	2.918567	2.450677	1.38214	2.891598	2.529526
12.447478	12.961424	13.644762	8.517771	11.660058	10.896349
0	0	0	0	0	0
0	0	0	0	0	0
10.627898	8.577779	9.750623	6.537373	6.826811	9.67594
7.266613	5.590971	8.832419	7.431083	6.13293	7.562787
11.830318	6.637031	8.244722	3.849783	5.716564	8.138046
1.325991	1.748302	2.232237	1.082961	3.585955	0.08913
16.528173	11.67693	11.429046	6.567468	8.623614	12.824001
0.399873	0	0.445235	0.66693	0.357775	0
2.511255	2.650197	4.939364	2.833886	2.567933	2.45685
0.480243	0.357372	0.344533	0.267419	0.371371	0.125966
2.49611	2.22451	5.14671	2.085584	2.360838	1.95014
0	0	0	0	0	0
0	0.071046	0	0	0	0
0.22914	0	0	0	0.074874	0
0.412163	0.384296	0.196209	0.230046	0.48819	0.093805
0.258179	0.092439	0.343333	0.043006	0.275122	0.296587
0.099019	0.051355	0.158786	0.079574	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
2.764761	2.734445	4.334902	1.725181	3.335788	1.738822
0	0	0	0	0	0
0.42471	2.010655	2.509594	1.862558	1.872225	0.55692
0	0.285116	0	0	0	0
0.071661	0.178667	0	0	0	0
9.992175	8.506004	11.701544	8.573435	12.51942	5.33488
1.095736	0.834368	0.436852	0.120117	0.303263	0.920022
5.534917	5.209467	6.935026	4.99178	5.155903	2.717587
0	0	0	0	0	0
0.151284	0.517323	0.966803	0.517152	1.045506	0.155343
0	0	0	0	0	0
0.258383	0.125778	0.788703	0.163686	0.638568	0.103144
0	0	0	0	0	0
1.671695	0.780671	1.954036	1.004484	1.239396	1.077318
11.15488	9.075729	9.780537	11.388731	10.531796	9.0577
0	0	0	0	0	0
0.191427	0.222365	0.624174	0.448218	0.763934	0.124713
0	0	0	0	0	0
0	0	0	0	0	0
0.259619	0.260659	1.051322	0.211698	0.538631	0.234313
0	0.188629	0.106236	0.045054	0	0

6.386985	6.778155	5.868828	5.401527	4.203745	5.123138
0.223332	0.124051	0	0	0	0
0.228451	0.025743	0.142091	0	0.032031	0
0	0	0	0	0	0
2.891979	1.9512	3.547479	1.646279	2.485236	2.321031
30.627937	30.716991	27.56801	20.618406	22.342972	31.91791
56.9217	64.989617	41.178896	38.875597	45.561023	50.601201
3.951746	4.645752	7.816255	3.728955	5.964319	3.897157
20.213951	14.304273	7.503893	6.611139	6.716152	17.320057
0	0	0	0	0	0
7.511355	10.173711	9.740547	6.986654	8.635554	9.831498
11.34341	9.114389	7.85562	2.547169	7.641206	6.139076
0.485755	2.474373	0.494139	0.200574	0.78249	0.073359
0	0	0	0	0	0
10.789186	10.022827	12.727094	8.737796	8.919595	14.79515
0	0	0	0	0	0
21.300501	19.710234	17.824457	14.788971	16.363514	17.764307
0	0	0	0	0	0
0	0	0	0	0	0.144755
0.200751	0.189922	0.674944	0	1.795209	0
0.563574	0.160793	0.272097	0.366542	0.148359	0.235171
0.029366	0	0.830336	0.205296	0.624209	0.12869
0	0.052355	0.110184	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
17.972389	17.361149	15.221483	14.63057	12.476289	15.256828
31.85935	30.076778	33.141384	24.271313	29.182396	31.654297
10.806741	10.095437	12.231211	10.810136	10.121681	4.296819
3.644956	3.965439	3.709816	2.039301	3.313911	5.261586
46.952244	36.909413	42.576829	37.718857	41.386664	47.331943
0.058648	0	0	0	0	0
26.106115	19.13361	18.067505	12.681766	18.775858	16.564144
1.492155	1.526326	3.826685	2.543149	3.0696	1.443884
44.049677	39.287346	45.997764	64.301681	52.072262	44.771322
21.774151	19.530632	19.280987	18.636713	19.720419	17.896524
14.167992	13.570646	16.597483	13.00448	17.599781	13.274408
0	0	0	0	0	0
8.207438	8.23648	11.714771	6.853124	8.161499	6.739423
0.52972	0.312104	0.483449	0.642264	0.788995	0.084384
0	0	0	0	0	0
0.109168	0.249762	0.209018	0	0.47989	0.352341
0.066048	0	0	0	0	0.914856
0.890886	0.674001	0.233509	0.080222	0	0.889519
3.946488	3.078283	5.160213	3.484362	3.562499	3.931668
0	0	0	0	0	0
1.418055	1.601466	0.180836	0.997342	1.922777	3.913641
2.831686	4.032933	1.506712	0.958621	0.736015	2.974349
0	0	0	0	0	0
11.000245	11.338783	11.506557	6.31072	9.675641	14.124414

8.189317	4.748652	4.349906	3.281438	4.397859	8.75918
0.219444	0.168814	0.245454	0.082387	0.15988	0
2.004289	1.481712	2.933104	0.667131	1.681852	1.090925
5.394302	4.437268	6.154423	3.039918	5.734957	5.833032
0.394337	0.294203	0.499322	0	0.153026	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
2.505065	1.674093	0.648207	0.448394	1.214099	0.415944
97.551025	80.263855	32.179684	24.440262	56.426594	47.559174
0.083318	0	0	0	0	0
4.521254	3.638496	5.439443	3.285025	3.775357	3.209655
0	0	0	0	0	0
6.382387	6.05337	10.188658	5.438939	6.311045	5.441898
0.138304	0	0	0	0	0
14.165502	27.369544	36.403401	26.272121	29.53379	16.786526
1.601597	2.807292	5.655001	1.717479	2.693856	3.508742
13.325302	10.244215	7.53168	5.053532	5.641881	13.705671
0.047741	0	0	0	0	0.081977
5.959413	3.250767	4.935323	2.919757	3.639309	2.281962
9.562406	8.70821	7.993424	4.826731	5.997148	4.327446
1.054512	0.788468	2.050803	0.761286	0.759652	1.093216
0.032303	0.188704	0.093448	0	0.030013	0
27.338227	23.543637	31.529598	24.902621	27.274472	22.02192
14.417586	11.34392	13.526983	14.577842	12.924493	15.034676
8.974335	9.931846	7.864326	6.096212	7.764624	7.61662
0.572312	1.042631	0.633042	0.360785	0.458977	0.930206
6.490244	5.869846	6.764116	4.15801	5.919075	4.425447
5.753051	6.16949	8.380202	3.888609	5.161608	7.782877
0.021207	0.16365	0.030779	0.02129	0.062444	0.173634
17.395649	16.151331	16.645447	9.808206	13.184631	13.620334
0	0	0	0	0	0
13.131188	13.489722	19.938427	12.770066	13.363505	11.491465
0	0.128412	0.081509	0	0	0
0	0	0	0	0.432111	1.872215
0.155357	0.110359	0.018831	0	0.02547	0.070821
0	0	0	0	0	0
0.903075	0	0	0	0	0
7.337838	0.241323	0.308415	1.484875	3.175903	3.762691
87.51033	11.581327	30.073088	18.446335	21.736162	41.826187
19.020933	21.097605	11.703405	4.125082	9.486145	7.601899
0	0	0	0	0	0
96.916573	27.625523	30.32465	20.21575	33.025303	39.799473
0	0.325034	0	0	0	0
0	0	0	0	0	0
0	0.206638	0	0	0	0
0	0.272031	0	0	0	0
5.479686	6.093021	1.907729	0.67528	1.705386	2.092565
8.328538	4.692458	2.040172	8.207196	13.510242	3.642309

5.69794	6.115318	4.765723	2.983967	3.707923	89.320037
0	0	0	0	0	0
8.888422	8.40986	9.937045	9.537668	7.15551	6.41911
0.28704	0.34863	0.1342	0	0.084053	0
0	0	0.294041	0.122449	0	0.138512
16.560299	2.429686	13.291143	11.554738	16.267281	2.52335
12.665064	3.717941	4.09594	10.695185	13.32106	3.135614
28.027355	15.473715	4.496866	3.199779	11.962278	17.590919
870.468079	779.136169	391.92276	568.501282	441.998016	862.361023
157.551636	16.463873	26.191748	21.642023	30.568399	38.696018
808.676208	27.934793	33.265579	39.906143	95.558517	106.000008
209.204956	195.206161	108.990997	150.469971	142.180008	168.942688
34.508722	34.373095	23.738392	14.201797	20.531047	33.859516
1.060331	0.409832	1.071146	0	0.36584	0.568524
0	0	0	0	0	0
39.116497	32.370041	26.23147	14.30903	15.56404	48.084263
14.29419	12.3499	12.143929	8.440689	7.829319	24.943129
0.075605	0	0	0	0	0
26.864008	24.259943	27.616776	13.702415	12.377234	34.497948
0	0	0	0	0	0
6.23178	4.679903	4.547351	3.894703	4.065887	6.422658
105.466461	138.007568	105.994179	57.36047	62.725533	110.8162
29.831205	34.099949	22.348387	14.817476	19.586113	25.474688
82.478953	80.1567	72.356826	34.812736	58.182511	70.258209
23.75227	27.321352	29.893061	22.214848	25.018641	25.115154
24.664263	17.16791	10.908019	7.601482	7.775319	23.996376
4.305397	2.555504	1.79849	2.196479	2.088012	2.880465
11.317509	9.005753	10.364477	3.619324	6.191704	12.545535
41.532593	23.691818	15.835508	14.811011	17.664042	21.159676
25.481337	29.824572	48.632656	42.313675	54.158134	38.492119
15.051744	16.822205	12.780135	11.491738	12.764109	19.427746
36.362789	45.09045	52.911079	42.397591	57.377403	44.186337
2.136026	1.663863	3.091482	1.126699	1.248225	1.76313
0.681907	0.303113	0.101799	0.140462	0.294685	0.721567
16.50939	15.742312	21.044603	15.920492	18.557684	15.585046
57.635338	43.182697	69.787331	56.727619	69.991463	39.220295
78.769447	62.756435	125.631897	88.37133	111.087509	45.108543
0.104262	0	0	0	0	0.221145
12.99873	9.678306	11.903971	8.168983	11.451751	8.689045
11.105416	8.2068	15.990314	11.823398	13.680124	8.733628
16.039869	14.595516	15.692596	10.346628	13.532555	15.200162
8.658721	5.395806	5.523023	2.257964	4.656906	5.589977
2.377852	2.175606	3.959942	1.819452	2.376247	2.113281
23.093257	23.001461	17.160067	12.368394	20.71951	14.791192
2.86249	3.624197	3.968861	3.471855	4.186611	3.43478
35.531635	28.190451	25.545643	20.498873	21.5532	31.274431
0.086951	0.113338	0.478755	0.088471	0.172986	0.386114
0.052061	0.044637	0	0	0	0
16.155207	26.825871	13.823278	9.446591	6.150942	7.954453

0.069669	0.059733	0.033703	0	0.068074	0.126755
0.158545	0.187066	0	0	0.107069	0
25.40225	20.690245	13.007689	14.057949	15.163297	13.199437
0	0	0	0	0.126811	0
2.225807	3.788068	1.803678	1.124451	3.518156	1.493529
0.552531	0.11275	0.267504	0.327403	0.31148	0
0.390197	0.089029	0.113022	0.069496	0.078586	0.14169
2.220855	2.247291	2.871917	3.654122	4.088942	1.198489
12.711559	9.140545	8.998855	8.710845	9.909116	14.64411
36.844257	49.400818	42.063065	36.252495	37.206535	43.511547
3.551536	2.984833	2.951185	1.424685	1.677624	2.133656
0	0	0.029135	0	0.039583	0
7.771558	2.180703	3.761601	4.880411	3.147383	4.071074
201.187531	204.272751	204.164093	196.064117	166.1185	230.002441
217.326141	208.596756	156.158783	148.155472	132.288986	268.580414
132.702759	123.63401	145.988541	216.45546	136.322311	140.45636
337.29126	389.323975	357.733032	371.512146	329.354248	447.917542
201.07988	207.451431	155.203156	180.628647	133.800812	274.475616
0	0	0	0	0	0
122.161224	142.117538	103.494286	106.551353	99.579712	163.977768
150.331497	133.696701	101.903061	105.618301	86.80761	161.470123
0.03876	0.033233	0.027751	0.077824	0	0
37.172844	29.282087	31.94385	22.991613	27.259844	31.504496
0.714862	0.614189	1.653168	0.586656	0.321318	1.472235
7.602484	12.465849	23.371088	18.967518	21.228354	14.190394
74.609741	96.190544	62.10323	76.070572	76.578308	64.466232
67.004761	56.179434	59.857269	47.918855	48.630821	68.328617
0.087649	0	0.042591	0	0.223513	0.239738
3.954651	1.040744	4.914979	1.293803	2.616148	0.381436
1.100594	0	0	0	0	0
49.777447	49.501633	40.019135	33.808006	38.327354	50.293964
0.182898	0	0	0	0	0
0.442871	0	0	0.154261	1.047103	0
2.187794	0.787192	1.252326	0.48288	0.672237	0.423609
0	0	0	0	0.152712	0
6.031764	8.198199	3.123303	2.687067	4.172874	5.01666
0.178378	0.536441	0	0	0	0
3.115653	1.304145	1.482366	0	2.211926	0.961017
10.372002	6.621887	2.736669	3.093426	6.176962	5.662101
12.301735	8.492799	5.826401	4.00617	4.918692	8.422618
0.74561	0.801896	0.439253	0	0.144085	2.453284
0.46502	0.295624	0.211541	0	0.167757	0.647941
5.067153	4.235663	2.44909	1.913575	1.730728	6.075954
0	0.378237	0	0	0.195033	0
0.495798	0.219573	0.111003	0	0	0
0	0	0	0	0	0
0.15387	0	0.054562	0.108141	0	0
0.352301	0	0	0	0	0
0	0	0	0	0	0

1.842763	0	0	0	0	0
1.014385	0	0	0	0	0.334572
3.945155	1.275602	0.453143	0.310422	0.952112	1.631085
0	0	0	0	0	0
2.099537	2.300499	2.633967	2.535434	2.678372	0.823924
0.674431	0.154613	0	0	0.396452	0
33.328369	23.717007	15.813054	6.879264	14.869597	18.706896
41.870975	26.426813	20.875406	18.082638	16.907766	35.874794
0.999233	0.454311	0.14532	0.041316	0.51667	0.38047
13.018859	12.240529	8.850441	10.901087	12.702368	5.546348
26.524408	23.95174	24.084326	13.963017	23.636637	27.238188
0.157758	0.15096	0.038329	0	0.168889	0.072076
8.813588	8.331724	9.992632	7.393827	9.18985	7.304459
19.99752	17.453431	20.08557	11.373791	15.747711	17.482617
10.877976	5.784908	4.183465	2.661974	3.348498	6.475069
0	0	0	0	0	0
0.428988	0	0.223374	0.117454	0.229658	0
7.759585	7.08022	6.60032	3.646795	5.570504	6.111637
18.015469	9.472766	6.404779	4.524768	6.100472	8.977907
48.913889	36.103802	48.883907	29.858109	38.495325	37.848531
1.836613	2.097272	1.27041	0.610928	0.431437	1.011611
4.064332	1.370714	0.908618	0	0	0.445038
38.463401	34.798083	18.288884	17.03303	23.714437	35.155061
15.841227	15.021757	13.318159	12.766309	13.038715	20.383182
8.944033	6.075085	12.309459	5.283937	7.887895	3.94787
24.625145	9.223112	6.663152	3.263425	5.261743	9.689237
2.302136	0.693969	1.116913	0.488451	0.81505	3.519679
28.433341	7.323908	18.557282	6.950327	15.973885	9.222059
18.748499	15.758707	9.99948	12.897387	16.472685	9.110961
2.307315	0.965616	0.290289	1.256086	4.550061	1.05121
2.397418	0.900994	0.718498	0.776766	3.254832	1.584168
26.14846	20.490828	16.898712	11.490179	13.120053	23.7166
3.881427	1.011621	0	1.905539	3.824088	1.84927
2.093373	0.38052	0.264458	0.098619	0.55276	0.066575
4.928119	2.366651	3.455907	2.175889	4.807917	2.11753
0.364842	0	0	0	0	0
87.563882	85.636943	94.56827	74.062962	81.422232	109.303959
0	0	0.154808	0	0	0
94.745468	77.672661	74.312408	67.160522	72.631264	86.284409
35.852371	16.142046	12.828241	6.487577	10.893477	17.720337
1.049208	0.214186	0	0.328483	0.361043	0
329.873199	385.548157	118.141663	109.420609	125.091278	217.160889
45.704571	26.89012	22.937733	23.909966	28.280148	28.318296
3.362522	0.439449	0.087339	0	0.989749	17.250628
0	0	0	0	0	0
23.171301	13.726211	3.716556	3.962417	7.049526	23.638077
2.732525	0.809645	0.726581	0	0.585904	0
0.924892	3.696658	1.133964	1.103823	8.42028	1.140194
0.79299	0.195035	0.310958	0.187789	0.722563	0.102555

1088.289917	947.689275	697.86626	844.907959	897.9238	951.539841
146.33856	96.887949	109.94257	59.577279	92.217894	122.310467
1.21051	0.680657	0.200421	0.081017	0.545227	0.597548
0.435589	0	0	0	0.789042	2.737871
0	0	0	0	0	0
7.417145	3.577436	1.841698	2.23596	3.311432	1.923595
122.020946	317.780426	94.697029	168.905342	279.646301	128.191567
0.305104	0.386334	0	0	0.520411	0.46325
1.256239	0.707179	0.230196	0.127389	0.249083	0
8.790792	4.4494	1.652482	1.79424	0.939087	3.479207
231.050659	352.92041	248.341446	196.171005	260.75882	242.714752
47.317538	68.23747	44.614113	44.842674	64.815959	59.739703
12.100347	11.776129	3.682483	7.06936	7.770606	6.441151
35.125347	17.684125	16.467171	10.881548	16.60263	18.855446
14.73652	8.247076	4.98037	3.892543	5.586065	6.905771
0.237335	0	0	0.097516	0.643517	0.530596
0.429428	0	0	0	0.312591	0
498.418701	604.744507	470.267487	445.577087	496.947815	704.436218
17.182405	5.571295	12.359729	7.206201	10.008523	8.177904
0.104552	0	0	0	0	0.142665
13.529634	14.392295	15.962688	11.402181	15.506705	13.418082
13.609554	26.496269	34.572773	26.12454	32.663082	80.237938
12.218127	11.114876	11.196192	8.510137	10.077805	10.347684
5.915785	3.935633	5.688853	2.683049	4.236871	3.731055
39.567665	47.203487	37.49802	26.206886	32.577778	48.8368
2.094691	2.097663	2.320728	1.632078	2.192935	2.294961
2.000596	1.917052	4.171078	1.830286	2.566259	2.07967
34.322861	32.569241	51.022938	45.656425	41.708424	41.905315
35.501747	37.10899	26.826754	13.27515	13.758966	58.222763
0.097447	0	0	0	0	0
14.667905	12.643863	15.182048	8.173517	11.294832	13.30826
9.581263	6.821766	7.130436	3.756889	4.840292	9.489832
17.708238	14.876488	26.114792	11.31645	17.213544	20.442264
4.60382	4.026955	5.995135	2.783097	2.188482	5.114196
46.821892	46.684772	41.935558	51.106071	49.820412	45.62748
8.041952	1.307346	8.469004	6.381343	2.052726	6.612818
94.737228	82.454407	56.66452	46.845272	50.51413	101.50338
57.247795	72.018425	74.857231	62.362621	64.318695	85.504684
10.52503	10.310321	14.227512	9.295044	9.64539	9.140439
9.29592	8.136075	11.312244	9.127201	10.566918	9.756141
213.905958	185.178394	131.049651	132.260694	129.619047	197.939471
5.630402	5.787583	8.921718	5.586823	8.279752	5.222737
19.302254	19.746334	32.935364	18.918564	26.824141	19.117872
5.933828	6.761453	6.368905	3.390233	4.87757	4.167494
15.659051	22.384188	21.916983	10.916594	18.183075	24.610077
8.972199	7.707125	8.305882	5.132792	7.729216	10.667768
12.200052	6.730072	10.158356	5.37828	7.222112	12.137437
9.918906	11.454444	10.925472	6.456643	11.407856	10.663371
9.253603	7.136439	4.147676	3.36312	5.090782	26.185413

71.401146	63.369335	56.836298	35.872372	46.686687	73.50662
23.030006	16.549425	14.96972	12.780905	13.760885	23.943335
14.998409	17.735291	12.545853	10.468498	10.016335	21.583166
24.587223	22.551405	18.897478	17.814518	17.951736	23.526289
3.679129	3.344934	2.778647	1.108112	1.376643	2.847167
11.286886	6.285351	9.025027	5.896068	4.6705	5.140103
5.368489	5.296607	5.795579	7.02923	6.834929	7.605158
6.941401	5.715401	6.00224	3.421394	3.371837	6.58733
25.719721	18.136446	25.411983	10.574136	12.540342	34.309879
21.398655	18.134966	24.201385	14.865441	17.602678	25.985201
9.858546	8.283497	7.418795	3.428261	4.34712	12.564702
16.825817	17.905497	21.050247	13.21303	11.229968	22.557592
9.782845	12.008852	17.505753	13.772308	9.102899	11.553097
26.393347	24.481102	18.735901	10.364364	13.015756	28.943884
0	0.064791	0.027063	0	0	0.364916
0	0	0	0	0	0
9.399855	8.983899	4.65284	4.503322	4.317905	28.659033
0.133639	0	0	0	0	0
15.435465	3.095685	5.858632	0.93427	3.744586	3.836452
0	0	0	0	0	0
2.424758	0.540706	2.388917	0.365203	0.324897	1.355722
0.795646	0.409552	0.096483	0.447839	0.15674	1.00057
0	0	0	0	0	0
0.700516	1.323465	0.063726	0.220117	0.107742	32.189075
0	0	0	0	0	0
0.148998	0.21295	0.215996	0.199552	0.410701	0
11.188095	15.458434	15.907021	9.405922	15.331446	13.579912
0	0	0	0	0	0
0.267007	0	0.030761	0	0	0
0.026205	0.017372	0.071749	0.0424	0.0863	0
2.341305	1.7553	1.849083	1.141309	1.909059	0.77864
0	0	0	0	0	0
5.285369	4.994025	2.604915	1.626542	3.421084	1.847231
0.083881	0	0	0.02406	0	0
15.438979	6.832583	7.09193	3.721756	8.226981	7.588414
0	0.145591	0	0	0	0.078813
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0.247005	1.466914	0.112941	0.088645	0.242196	0
0	0	0	0	0	59.735973
0	0	0	0	0	0
0.461816	3.277439	0.104897	0.256965	0.633763	89.765492
15.533396	12.854714	16.714087	10.628874	14.122617	14.674124
44.865685	41.621185	33.036133	20.927595	26.625193	49.062649
37.751396	34.880608	27.011972	19.114588	20.563957	57.442448
32.748547	32.479896	35.206995	30.428725	34.908883	25.188302
73.645851	53.405758	55.2798	50.659893	61.992531	55.449688
3.50015	3.234858	5.173635	2.653726	3.658338	3.356819

5.177041	5.074854	7.301965	4.693949	6.105199	5.324106
6.047686	6.959208	11.14417	6.861903	9.356307	6.203466
0.276133	0	0	0	0	0
60.384281	56.248814	60.763607	33.777359	46.568398	53.243809
9.940095	10.594352	11.200211	8.522129	10.524731	7.959128
10.407834	12.63705	20.789347	10.98013	11.994179	17.210506
4.674903	4.783961	6.765331	4.461324	6.52026	4.090823
5.725228	20.376569	26.118612	16.990521	20.577629	21.285766
5.535132	3.340996	6.757646	3.012594	5.301474	3.825187
50.450657	46.138	40.132164	27.066345	29.498363	45.007671
60.447723	84.618004	48.696869	41.507381	41.803486	61.272896
0.852236	0.41041	0.942976	0.534731	0.854567	0.652201
230.622543	256.520355	252.343536	205.540787	218.049149	282.669952
24.793839	25.653942	35.776833	20.459526	29.115641	22.418995
2.049945	1.887082	3.466721	1.288134	1.84979	1.555508
0	0	0	0	0	0
4.151547	4.727819	6.46571	5.59733	4.491198	4.748063
2.675344	1.926437	4.496385	2.997056	3.376269	2.191829
19.789312	25.216404	29.95845	19.771814	29.543793	16.839481
3.848511	5.055738	7.917134	6.470469	5.785604	3.798205
7.43504	6.243162	8.173721	5.83816	6.434977	7.890085
15.599214	14.495747	19.533297	10.619366	14.68358	13.555476
41.022778	35.160259	35.100525	25.022726	32.699711	35.153393
3.525935	2.814058	4.206957	3.45058	3.931023	2.385141
0.719437	0.346747	0.794929	0.440612	0.733503	0.552668
1.42268	0.899735	1.215294	0.391729	0.526839	1.139178
1.437117	0.626065	1.695507	1.43059	0.90166	0.468884
0	0	0.112656	0	0	0
0.069624	0.200501	0.577262	0.16142	0.20684	0
100.042917	83.49149	60.233792	58.156166	76.902078	59.02662
20.598967	29.023136	36.009861	32.399261	39.477276	19.362284
2.850917	0.092172	0.225165	0.156122	0.345728	0.718152
244.111885	586.557907	577.192139	593.426957	649.077865	470.849792
3.898914	3.470874	4.990138	3.201333	4.417661	4.642838
60.672215	63.402298	74.757645	49.53619	47.898972	74.365768
40.985821	76.859512	104.855911	83.051842	106.931801	93.296913
19.3264	15.412781	14.243795	8.354738	9.546564	16.596543
21.378225	27.722775	22.214796	19.65052	22.605663	24.047165
7.924058	7.003098	6.98242	4.498438	1.604598	7.055817
0.465185	0.255226	0.40073	0.223203	0.024759	0.240963
13.557056	45.240265	5.639489	15.486644	34.283001	8.877657
2.203208	0.649946	0.730198	0.145406	0.868648	0.886691
12.415649	12.265174	13.115209	9.762136	12.636849	13.859732
0	0	0	0	0	0
15.38807	10.130675	8.101901	6.787735	8.578446	20.511148
24.673693	26.632748	32.643894	19.498064	27.812887	21.755493
0	0	0	0	0	0
0	0	0	0	0	0
1.573022	1.127295	0.857763	0.502735	0.512822	7.07723

12.382862	7.112042	15.71334	11.305745	13.87319	8.556664
2.014414	3.24727	5.234146	1.608184	0.912958	1.165367
20.75053	24.767696	28.092785	21.485975	26.432096	28.135738
28.585287	22.905363	25.359636	19.254358	16.752408	29.625865
0	0	0.125228	0	0	4.576204
0	0	0	0	0	7.879289
0	0	0	0	0	0
6.097973	5.246388	4.965272	3.401433	3.771319	5.835709
2.23618	3.423368	3.464744	2.706143	2.942359	2.624717
0	0	0	0	0	0
1.508783	2.644754	2.4171	0.879073	0.721643	12.816053
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0.104187	0.468506	0.198256	0	0.160177	0
0.524742	0	0.629258	0	0.254674	0
0.077958	0.100933	0	0	0.0741	11.781398
0.082922	0	0.082051	0	0	0
0	0	0.708591	0	0	3.380805
0	0	0	0	0	6.655787
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
5.238417	5.99455	4.971108	9.794784	15.755682	20.111485
24.357539	248.654457	5.479779	24.205053	257.420319	10.121981
42.06337	31.553856	29.96529	29.709946	42.486984	29.464273
1.273183	3.150024	0	0	0.715874	1.379546
20.63435	18.329819	19.119083	16.803783	16.731503	19.653492
19.335316	14.388967	13.882479	11.292175	11.028207	17.568266
16.277736	17.204628	18.514677	20.656917	15.158118	16.143799
0.096742	0.162033	0.023947	0.060014	0.129557	0
8.230622	8.497965	7.500427	4.495181	6.406537	6.416193
0.077637	0.040154	0.056639	0.090061	0.270884	0.053254
0	0	0	0	0	0
24.393639	21.328697	38.841263	25.59083	28.129591	25.800537
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
21.28319	18.713625	21.198069	10.731503	18.370091	14.227989
15.141488	9.500255	8.269672	6.222157	6.590762	5.56336
0.838577	0.353857	0.358348	0.151062	0	0.218969
1.68676	3.021199	1.13542	0.652789	1.699158	0.814484
0.203844	0.321838	0.150765	0.082737	0.304972	0.302568
0	0	0.059842	0	0.08094	0.093777
0	0	0	0	0	0
0.068786	0.118583	0.019965	0.020717	0.027004	0.028096
0.151397	0.129395	0.067799	0.014282	0.010661	0

0.315244	0.254047	0.545977	0.31896	0.423447	0.147487
1.409771	0.385412	0.365983	0.085666	0.521803	0.921802
0.488071	0.154979	0.066572	0	0	0
82.365124	68.187621	65.251262	44.367774	46.262171	94.612966
111.760857	99.959244	115.475754	53.892159	75.456985	86.248566
4.719748	3.747947	9.094965	4.121309	5.09617	4.704711
8.024783	5.735142	7.907849	4.412955	3.850547	7.830816
4.126271	3.417418	3.674725	1.989303	1.658984	4.655026
12.695127	12.141971	13.65857	8.356101	6.679309	12.128532
3.112578	2.750518	4.837638	2.644947	3.447403	4.601354
2.134623	1.641455	1.406025	0.99083	1.30837	1.710317
0.819516	0.66491	1.348114	1.293298	0.485748	0.94235
6.152799	4.7162	4.04288	2.484723	3.058768	7.130795
6.415573	4.903564	5.88294	5.536161	5.369729	1.471692
7.292939	6.818601	8.272389	4.807039	3.315018	7.540622
5.386155	3.905875	4.834695	2.889911	3.747463	5.734834
3.546869	2.917046	3.300021	2.894967	2.420732	2.930923
7.965639	7.662235	10.148179	8.803246	6.959249	11.01091
18.941835	14.583364	24.275398	12.820171	14.620597	17.875172
2.865	1.717738	2.891358	0.483782	0.937978	2.546752
11.145018	17.265028	15.929105	12.069253	11.997622	26.831415
10.132943	9.336429	7.702056	6.374318	5.919565	9.738815
3.315513	3.025856	5.389085	2.478431	4.217528	3.462639
0.579696	0.180964	0.594545	0.147096	0.170604	0.237425
7.994087	6.546086	7.879273	5.075791	6.459325	5.769257
0.166732	0	0	0	0	0
2.338712	1.493644	3.095688	1.850033	1.51363	1.641094
4.922112	7.36175	12.467021	8.32443	10.884115	6.190476
1.426978	0.959185	2.31455	1.339411	1.849674	0.785395
3.056343	1.923895	3.882821	2.296929	2.096681	2.47875
1.733106	1.43052	2.882428	1.525834	2.276487	1.002914
8.084523	7.974288	8.649498	5.386476	6.42857	6.125749
9.554166	9.449326	14.569667	12.387552	13.65048	10.383202
9.030239	11.370993	16.108362	7.541585	10.920643	9.634045
5.810213	4.195456	5.176749	3.028318	4.396786	6.703921
3.592779	3.331145	5.130188	3.224021	4.048892	3.446479
8.084345	5.612338	11.520172	4.241543	6.005376	5.88632
0.937317	0.350575	0.496107	0.355011	0.407283	0.478296
3.144542	1.667578	3.370263	1.870656	2.195882	1.839504
2.864957	2.4161	3.522303	1.721852	2.466207	2.416095
2.102486	1.801439	2.474172	1.217574	1.272129	1.461119
10.714036	13.00777	15.275136	14.128899	13.829398	13.963647
9.864465	8.488029	9.283393	5.054471	4.606703	11.734006
14.373769	11.062551	14.760575	14.426106	10.697465	14.034314
3.093632	2.584643	3.244243	2.973571	2.106691	2.959495
13.28585	7.597005	11.012849	6.241244	6.27118	8.004079
5.831421	5.766871	10.185789	5.546284	5.850361	6.023955
2.273778	2.798765	3.89174	2.630496	2.812642	1.875946
0.236342	0.530637	1.18925	0.320323	0.143231	0.484272

4.902664	3.79671	3.505189	2.956021	3.17549	4.877137
3.711878	2.340311	3.857302	1.954917	2.235961	2.67899
10.136711	6.65297	10.027949	7.026327	8.285917	8.513762
0.936247	0.737797	1.247775	0.992438	0.913746	0.573727
8.475779	7.839867	9.449649	5.578412	6.269953	7.38344
0.402717	0.29061	0.83253	0.421181	0.749078	0.134898
5.784052	5.001304	8.796408	4.814784	5.825336	5.459383
7.577416	5.841458	7.448381	5.639571	8.082617	4.232108
1.585461	2.308124	3.217642	2.729446	2.493933	2.541779
15.688859	11.973916	10.97582	11.29605	12.115619	15.158303
0	0	0	0	0	0
7.925073	5.649928	4.744103	2.322441	5.98607	1.771535
21.01305	15.247167	15.514362	10.750891	16.931513	15.646938
0.108559	0	0.125423	0	0	0
0	0	0	0	0	0
105.247345	91.55088	104.705917	76.575813	78.989136	107.99823
0.116901	0	0	0	0.087811	0
1.966918	0.559778	0.281278	0.310661	1.138174	1.128411
48.243031	40.334061	45.953194	30.763885	38.383423	43.265759
3.574568	3.865152	6.813654	3.66541	4.798972	4.648241
0	0	0	0	0	0
3.293005	10.819395	0.097305	1.038902	1.233089	2.988536
11.747129	53.059399	0.103971	4.977319	10.493808	10.99343
4.092206	8.05456	0	0.714157	1.62608	2.114703
0.358839	1.069074	0	0	0	0.374243
1.621521	3.506464	0	0	0	2.574067
0.463557	5.407142	0	0	0.324604	0.589045
1.319189	3.201836	0	0	0	21.942871
0	0	0	0	0	0
0	0.224844	0	0	0	24.856424
0	0	0	0	0	0
0.32818	8.03013	0.262934	0.705669	2.221868	70.234781
0	0	0	0	0	0
1.166585	2.81724	0.591096	0.426325	1.05312	0.173406
0	0	0	0	0	0
5.699619	41.035631	0	1.095124	0.545394	1.613351
1.247172	5.713647	0	0	0	0.586476
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
26.294178	23.632381	21.651442	23.185215	19.844782	27.887648
69.72702	65.821182	74.497284	67.984993	63.066864	65.381142
1.622574	1.734155	1.479476	1.200915	2.027383	2.150411
0.880154	1.068087	0.797573	0.956923	1.649865	1.245811
39.896599	35.337128	39.312222	36.757442	40.571667	37.233494
0	0	0	0	0	0
23.729919	15.943008	14.414129	9.892234	11.533091	17.028795
0.162139	0.235385	0.063932	0	0.087154	0
0	0	0	0	0	0

0.846885	0.246561	0.703432	0.541653	0	0
0	0	0	0	0	0
0.27627	0	0	0	0.129824	0.141369
0.124335	0.19946	0.343601	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
4.759626	3.214616	6.72575	5.0439	4.790668	3.75577
0	0	0	0	0	0
0.86395	0.329941	0.200371	0.062623	0.24326	0.234077
3.249966	3.151506	4.686187	3.419124	3.947237	2.679114
33.138042	78.373322	14.116579	20.220139	35.568821	17.050793
0	0	0	0	0	0
1.175628	0.722199	0.344956	0.06695	0.23372	0.447539
163.409546	169.994263	133.696152	142.677963	125.848419	166.491425
19.262512	32.859398	15.99596	16.919758	30.840258	9.428174
0	1.834924	0	0	0	0
1.518859	6.338931	0.976896	1.582592	2.304498	0.559806
7.041845	46.655087	1.891352	7.239692	8.546111	2.383879
754.645386	711.763123	558.031006	409.631012	483.069214	862.51355
25.112053	22.003172	19.340853	24.659317	19.11035	23.561733
12.800408	10.582002	13.600642	6.722645	9.693259	4.276265
174.510391	125.629623	57.07872	45.238235	57.180862	101.99456
0	0.184977	0	0	0	1.11461
0	0	0	0	0	0
20.838377	16.610121	15.555187	10.891045	14.973024	17.595125
0.863514	2.165049	1.059548	0.880239	0.989658	3.631016
7.791367	13.0038	8.418181	8.228074	8.931136	6.468051
16.248589	11.998065	13.889048	7.055154	7.014263	57.007776
21.890366	17.156544	14.115715	9.877891	14.25061	19.311663
19.48419	12.565974	6.260125	8.366578	16.928537	10.360476
3.472844	5.868279	4.806782	4.348312	3.533933	9.216524
3.646806	3.587196	3.361487	2.238798	3.977726	6.167287
0.54036	0.451195	0.845784	0.426176	0.533888	0.219607
0.339645	0	0.258534	0	0.058602	0
18.527185	17.495892	18.357037	11.288903	13.204198	17.039692
9.950268	8.162903	10.274036	5.81051	6.27792	12.35925
11.004262	9.626614	13.657538	7.552395	8.717332	12.477432
0	0	0	0	0	0
144.23175	156.797638	132.4216	144.158234	138.609497	183.581329
33.670513	76.689857	7.082466	12.019014	11.96963	40.238224
204.036179	199.286301	122.306938	124.305	139.128738	218.169937
57.24617	61.625023	47.698631	61.380573	52.132721	67.215363
39.979614	31.614866	20.90773	14.967843	17.78504	44.860294
11.590078	16.935003	15.803418	15.381948	15.626728	11.414213
13.402573	16.029987	14.937749	16.45295	15.504076	14.699983
19.673113	30.428183	24.041043	30.477485	27.749531	41.134155
7.694828	7.427508	8.800519	5.560962	6.926016	6.774153
7.681406	6.387418	6.155049	5.083045	4.407199	5.310017

6.41302	5.640471	10.799481	7.601045	8.928638	4.268532
23.576342	20.411415	28.385771	15.725541	20.743496	18.13686
0.767351	0.414192	0.403043	0.171571	0.419338	0.233203
59.952126	55.745075	56.508686	36.830879	47.115147	51.839279
0.402927	0.33132	0.859892	0.431162	0.712816	0.622228
3.938666	3.067722	6.304528	4.245078	5.140081	2.617818
8.033263	6.933445	7.447526	6.560501	8.512217	5.005693
13.100677	11.839889	14.52107	9.023366	11.290437	10.967271
2.799236	2.213416	2.792177	1.820758	2.776693	1.491084
0.9821	2.985555	0.305325	0.978492	1.557687	3.177535
1.67648	1.57035	2.186492	1.701781	1.388499	2.266086
6.819664	6.081563	6.47621	5.936956	5.533109	6.391976
22.216871	18.871992	23.991669	12.679931	17.713446	21.448183
17.160637	11.927766	13.548978	6.335052	10.598971	10.907519
0.270326	0	0	0	0	3.801865
0	0	0.100905	0	0	3.956158
0	0	0	0	0	0
0.716071	0.940436	1.878579	1.359852	1.343868	0.531783
18.166204	18.793287	17.346151	18.728008	20.471113	19.738008
8.441242	12.777265	9.25173	8.261945	10.910851	6.177775
1.828469	0.154338	1.034798	0.435519	2.222551	0.579278
248.936966	220.432236	945.722229	731.544373	738.739624	1098.005249
0	0	0	0	0	0
0	0	0	0	0	0
0	0.070415	0	0	0	0
15.914064	14.604965	16.219589	15.443149	12.916848	19.198685
30.979533	27.398627	32.1823	24.901188	29.385745	32.245369
2.298233	0.479767	1.586058	0.469763	0.870879	0.848071
1.816058	0.532946	0.172772	0.068913	0.393967	0
2.737868	2.350307	3.352276	2.986823	2.929447	2.679521
1.599217	1.265594	1.979177	1.392707	1.139578	1.351015
40.130432	36.89724	42.372074	24.042337	32.721371	42.673458
14.639936	10.757956	14.935053	9.339776	11.502631	16.917387
125.089012	119.544983	127.027016	120.433571	131.095932	134.294678
27.120562	29.17466	24.955702	21.874411	24.124834	32.089905
44.581276	38.832039	36.821888	29.81963	33.380005	39.927906
167.161942	138.677734	111.459885	100.320175	120.366982	153.307175
0.254779	0.542046	0.115035	0.255775	0.54179	3.902242
68.630264	70.396111	56.435863	55.997841	58.505806	70.627029
21.755754	25.24638	27.728626	14.169501	20.927599	33.425179
16.977253	18.017162	19.359488	12.995644	15.982008	19.226152
0.425649	0.293503	0.162514	0.094205	0.05526	0.689058
0.648695	0.35524	0.571296	0.379228	0.645586	0
0.554341	3.920612	0.85026	0.395661	0.974973	2.872474
0.117368	0	0	0	0	0
25.946178	20.311535	12.545113	13.295138	11.217005	17.463388
31.994225	30.450182	26.859583	18.972782	22.318558	32.395061
1.63036	0	0.094201	0.130327	0	20.879858
54.909692	51.663148	29.364271	22.131071	32.833693	41.588322

26.393572	18.998991	21.639078	12.501356	21.756733	15.732652
5.707691	4.252066	3.26291	3.005881	2.863509	8.736756
39.716312	40.096085	52.128525	37.612057	41.652298	40.967716
1.600963	0.971134	1.25937	0.454654	1.137873	0.218997
0.056164	0	0	0	0	0
0	0	0	0	0	0.917989
0.036114	0	0.026323	0	0	0.081179
0	0	0	0	0	0.075733
0	0.061164	0.06964	0.048173	0.11774	0.212804
0	0.16261	0	0	0.053902	0.074441
0	0.028367	0	0	0	0
3.478012	1.064475	0.137064	0.315995	0.302645	0.667936
0	0	0	0	0.058976	0
0.064652	0.124167	0	0	0.063454	0
0.073015	0	0	0	0	0
0	0.087147	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
14.990016	8.635864	12.847727	7.875612	7.361623	13.165192
0.366491	0.613444	0.711494	0.155334	0.497521	0.528861
0	0	0	0	0	0
0	0	0	0	0	0
0.151078	0	0	0	0	0
0	0	0	0	0	0
0.435241	0	0	0	0	0
14.085152	22.899801	22.987614	10.329299	15.595047	14.116172
0.267741	0.162418	0.053051	0.04893	0.286473	0.083134
14.495592	14.358891	12.181826	9.734922	15.838861	8.175606
35.326649	32.389061	32.47525	17.039129	30.135305	26.430294
0.092076	0.434199	0.252556	0.229858	0.180137	0.251283
13.632783	12.888133	12.870688	7.756141	11.885057	13.550006
2.508672	5.935643	3.234622	2.93595	7.172443	3.304524
1.482022	0.6874	0.280634	0.239602	0.705129	0.73869
0.31007	0.382145	1.01803	0.343911	0.691164	0.389505
0.074995	0	0	0	0	0.543479
0	0	0	0	0	0
3.472512	2.895753	2.166491	1.377565	2.171057	2.538671
0	0.134852	0	0	0	0
0	0	0	0	0	0
24.846529	25.82156	22.85059	17.330036	21.599804	25.577883
1.094641	1.528339	0.312193	0.548544	0.901148	0.559108
6.801887	5.567476	8.796121	4.057191	4.865426	7.92361
44.922733	49.112576	41.045391	21.048779	32.798698	46.793327
19.661521	18.479203	37.273854	29.824603	31.310723	42.616122
6.355549	8.494464	11.170986	8.593719	10.947303	10.026637
75.413895	65.928909	67.745514	70.551292	61.311596	68.31144
11.26298	11.513453	9.935876	7.231419	9.626801	12.609549

15.041207	14.975928	14.708458	9.694947	9.850165	15.380775
5.771948	7.103374	12.541558	10.412391	12.733932	6.275489
57.358228	47.765062	25.498301	19.854403	25.857802	87.567614
11.165858	8.495618	3.692974	2.903515	4.521969	6.836509
0	0.503061	0	0	0.280233	0
0	0	0	0	0	0
18.247293	18.511307	33.520708	14.503688	27.920156	18.62126
0.454486	0.50314	0	0	0	0
0.996405	8.646783	0.211655	0.883822	1.14579	17.521698
0.088382	0.29705	0.37796	0.532368	0.296088	9.052949
0.529457	0.606814	0.496062	0.316932	0.725778	0.127038
6.054838	0.339158	7.096229	0.637201	3.174182	0.6097
0.056694	0.226845	0.04114	0	0.036849	0
22.928711	21.501147	17.970482	14.439717	15.760391	12.965219
11.376737	3.118747	12.808574	8.375395	8.947463	3.2392
11.242488	8.463556	11.18239	11.763951	13.107329	9.132188
25.692108	20.406565	42.650127	23.795835	22.337336	24.428616
32.188438	28.213552	32.072842	22.753176	20.750105	36.660912
43.965389	41.281528	23.92366	20.716772	23.572159	44.856018
24.633673	22.582932	23.198212	18.865255	18.005318	24.340965
66.732048	72.15287	40.113853	40.366123	38.045502	88.154869
12.572229	13.743148	3.905944	5.204251	8.295108	16.446301
1.160333	1.16599	2.894575	1.351897	1.867496	1.219017
1.073874	0.11774	1.746371	1.78668	4.308775	0.515307
17.101017	20.254	32.330971	24.680698	31.289959	22.843788
0.604203	0.310824	0.219216	0.060656	0.118602	0.987155
19.848613	18.376347	32.901261	23.099701	27.276151	15.223005
0	0	0	0	0	0
14.012972	11.736317	10.989965	6.274642	4.659773	16.962154
14.957849	12.885112	12.528716	7.171198	8.131762	15.470634
106.846222	89.782036	68.222679	49.131004	78.730179	88.558533
10.462104	8.988935	10.349286	7.775342	8.296423	11.901217
26.309267	27.874346	6.15261	8.188535	15.325541	77.293159
18.836029	13.337727	12.553305	10.561024	10.616858	3.392385
285.462219	0.458407	0	0	0	3.006463
0	0	0	0	0	123.098289
12.300537	0	0	0	0	0
353.569153	380.917938	246.642548	217.685272	198.142471	429.516693
0.366779	0.358335	0.286679	0.222201	0.257935	0.41909
82.348473	87.631493	54.146648	64.049591	63.611069	98.115135
6.621282	5.620221	8.007433	5.407055	7.199652	5.384049
4.996899	2.7649	4.599595	3.445636	2.757956	2.276534
21.172664	21.062868	28.430836	19.125387	25.013613	16.890582
0.147088	0.108156	1.361254	0.616983	0.68331	71.227211
0.387184	0	0	0.095797	0.076103	0
13.977446	7.930963	42.976316	17.050507	9.433952	10.360201
0.876022	0.362724	0	0.459317	0.387224	0.586899
0.315534	0.628622	0.489968	0.248735	0.429771	1.141088
0	0	0	0	0	30.83592

0	0	0	0	0	66.653923
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12.148153	12.186941	12.635511	11.153456	16.372536	12.648523
74.580512	70.830624	110.903932	57.345777	60.368538	48.529851
0.327201	0	2.420902	0.378671	0	9.982912
0.126082	0	0.163883	0.04305	0.07155	0
1.878459	2.242529	4.417496	2.050062	2.036987	5.98608
6.458302	6.690896	8.617392	7.116656	7.016469	3.399783
17.738015	5.503973	11.250072	3.091984	11.559273	4.806115
1.609053	0.784188	1.856118	1.928261	1.966031	2.141209
1.580154	2.724643	6.630329	2.597129	3.440961	2.35377
17.741753	13.726513	18.343489	11.105901	16.505716	15.171705
0	0	0	0	0	0
0.19013	0	0	0.1887	0.213387	0
0.373047	1.914796	0.594944	0.163866	0.802763	0.06251
0	0.164846	0	0	1.558248	0
0	0	0	0	0	0
7.833732	7.50189	11.27922	9.372067	8.86804	10.482716
0	0	0	0	0	0
0.364925	2.761887	0.151316	0.522663	1.043981	0
0.779115	0.671291	0.416765	0	0.990416	39.657242
0	0	0	0	0	0
0	0	0	0	0	0
0.132731	0	0.193662	0	0	0
0.156229	0.045949	0	0	0.060112	0.060396
0.367235	6.088106	0.404397	0.843531	1.212681	0.537869
0.460659	0.987414	0.996129	0.524123	1.128801	0.312199
0.076468	0.065563	0.443902	0	0.075051	0
0.450057	0.176038	0.228446	0.1605	0.189692	2.856942
0	0	0.08319	0	0.112519	0
0.600207	12.182133	1.26118	2.295022	3.323446	40.227196
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0	1.615151	2.561676	1.4442	1.994511	1.77104
0	0	0	0	0	0
0	0	0	0	0	0
0.163965	2.872583	0	0.962358	0.917778	29.025757
5.480937	5.439978	4.322018	2.674306	5.477715	3.575902
10.961956	21.580584	21.264025	9.976878	8.546512	15.480458
0.098459	1.241414	0.208671	0.115633	0.224579	98.532738
0	0	0	0	0	0
0.209994	0.749695	0.916316	0.839737	0.413584	0.39484
30.628019	34.395448	35.022722	32.913492	33.340449	45.045547
0	0	0	0	0	0
37.833067	8.536452	10.921972	5.506732	5.361646	6.01713

15.106428	11.328438	6.711066	4.452489	6.943375	6.161174
26.953369	17.5697	6.063884	3.356278	5.784045	17.330713
0	0.201435	0	0	0	0
1.349705	0.499072	0.676099	0.091229	0.292112	0.716127
4.710105	4.491484	4.165914	2.310932	3.861008	4.374453
0	0	0	0	0	0
1.405744	1.200753	0.403254	0.181815	0.309542	0.533397
0	1.972726	0.094282	0.708712	2.010155	0
50.075657	16.045742	19.050671	22.702423	26.988443	28.577217
0.588167	0	0	0	0	13.990035
0	0	0	0	0	0
0.184115	0.211417	0.222767	0.154716	0.301709	0.357501
0	0	0	0	0.041106	182.043381
0.658364	1.754822	0.206315	0.314189	0.340652	0.107769
0.736862	0.501653	0	0	0	0
0	0	0	0	0	0
14.784941	0.58775	0.221657	0	1.8249	1.130574
8.92136	1.16786	2.484681	0.278842	2.598403	0.951962
15.044016	6.648251	9.189455	2.909375	4.805981	9.905132
11.804679	5.028964	6.001047	1.515979	3.922852	7.688653
0	0	0	0	0.318349	0
2.1859	2.017552	1.228789	0	0	1.821667
0	0	0	0	0	0
34.921401	19.505257	22.18935	18.250254	26.221796	16.657389
7.861787	9.142499	5.222227	5.468351	4.994284	6.441809
0.221692	3.109298	0	0.53664	3.031675	0.907238
0.123091	1.579542	0	0.432504	0.422836	0
167.843784	173.617111	61.224905	58.68385	48.454577	195.720608
4.042769	4.677175	4.908176	2.256126	2.302846	1.232661
72.793113	49.702207	8.957551	16.240617	14.76777	52.024871
0.342432	0.46638	0.200705	0.160303	0.336086	0.392324
0	0	0	0	0	0
0	0	0.126213	0	0	0
324.592804	336.452698	303.006897	277.026459	316.065582	468.840302
0	0	0.494947	0	0.263918	0.286379
39.042542	40.485561	44.592335	33.66568	44.174877	44.307072
0.602027	0.119459	0.113003	0.108848	0.152166	3.658486
0.088809	0.393024	0	0.061159	0.058995	0.221677
26.426371	25.863525	28.404886	19.568615	23.628416	29.540398
14.96908	11.021449	14.783937	9.474401	9.690113	7.409453
12.190356	13.696677	17.531256	8.851283	14.706067	12.924138
7.225239	5.048246	4.859195	2.883909	6.003594	2.741279
8.049069	1.977212	2.406353	2.351166	2.077329	3.537989
51.849424	29.694083	71.269564	54.566073	51.865413	36.455498
29.394871	23.156855	34.237914	25.735076	32.506812	16.89537
2.691163	3.004972	22.891488	3.421536	10.909503	2.144586
31.915167	30.683624	31.903685	27.060614	30.670889	28.408026
33.63056	26.281268	40.653297	25.666602	32.65532	20.222334
0.452526	1.203057	0.313051	0.343287	0.517712	0.733

13.514637	9.460262	15.857114	7.222289	14.9761	13.094321
17.419078	12.87445	13.430088	9.000814	10.439536	10.262488
15.958848	15.214866	14.237317	12.499606	15.940754	14.535111
17.192129	12.243039	17.020182	9.861681	13.739363	12.814621
7.314622	6.384178	6.611122	4.935513	6.451365	7.567227
0.136746	0	0	0	0	0
27.000029	30.238415	25.501503	25.151266	22.475321	31.984636
5.563247	3.904019	6.364626	3.721695	4.848652	2.225465
9.20745	6.961361	6.881392	4.746267	6.878994	9.710501
7.054672	7.420477	7.198693	5.092613	5.148507	7.063177
54.052105	53.637863	38.619637	35.218391	40.435402	60.63723
0	0	0	0	0	15.312646
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24.711664	27.182209	23.780077	16.367174	21.693274	31.824043
66.421074	63.62236	40.338005	36.162506	42.859955	62.703449
11.279468	12.0786	10.164844	9.449682	10.622556	9.555335
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3.253946	2.180727	2.800488	1.005602	1.695214	2.731097
19.911651	25.893571	33.862665	20.490778	24.103522	25.821763
0.122285	0.224271	0	0.087688	0.085499	0
0.056907	0.045539	0	0.076173	0.166565	0.06471
357.435501	332.428932	242.517755	235.062566	268.131886	357.615133
53.932171	50.464287	28.126617	18.993244	23.748404	43.843369
41.213253	29.227905	29.376459	27.248627	34.78553	36.470665
127.232925	698.403503	88.120377	152.047485	217.731491	23.118399
13.584688	12.878592	11.807855	9.347692	10.771758	15.184557
21.13089	21.068087	21.150408	11.455738	13.053059	21.255507
0	0.163687	0.030607	0.058362	0	0
0	0	0	0	0	0
9.073692	13.620257	13.954181	18.033077	18.62933	8.37873
18.252472	1.30177	4.607511	0.704436	0	0
0	0	0	0	0	1.087918
0.688731	0.757771	0.045037	0.046204	0.091999	0.05394
33.982269	27.488106	21.857601	18.382828	23.973551	25.756657
4.732358	14.18324	3.545591	5.421801	7.529308	25.949577
19.77212	19.137318	22.889885	26.527601	22.763086	21.92938
23.589474	25.044312	18.462561	15.622258	19.079727	23.652821
3.720998	2.753239	3.194723	3.449091	3.144382	2.508638
39.261076	17.876667	17.100682	17.101877	21.45426	13.750802
13.635456	12.214411	7.790043	5.125338	8.097917	6.387575
3.042859	7.803984	2.434958	2.609117	2.943676	3.21217
2.943179	26.057381	0.752885	2.895599	2.454684	1.102207
0.672761	0	0	0	0.087892	0
0.178502	0.791373	0	0	0	3.366022
44.550323	40.387852	30.720247	32.111336	32.65855	51.284336
2.333892	0.895081	0	0	0	2.451834
18.230434	18.258898	16.431517	18.201818	12.280919	24.918718

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83.843597	59.026592	54.527271	32.753067	52.725571	56.14468
5.474627	5.916931	6.41561	4.366645	6.312663	7.240893
0	0	0	0	0	0
20.433794	16.838509	12.315719	10.001439	12.495408	19.943712
80.045702	70.343876	51.90477	37.778616	44.76458	55.30292
1.184899	4.939145	0.20804	1.137898	2.509115	0.968288
9.888104	9.657924	12.104506	7.970048	9.328892	9.112414
3.947556	4.548185	4.272377	3.426841	3.574643	5.010634
6.736991	0.123943	0.101173	0.01288	0.043823	0.056901
1.613339	0.949956	1.720465	0.511234	1.547832	0.48756
42.773002	45.370773	51.849659	235.041871	181.636528	54.61974
0	0	0	0	0	0.27629
64.819927	39.843466	38.692287	30.392427	36.180108	97.262039
23.91235	20.929585	27.014214	21.267962	24.561106	28.746443
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0.062621	0.07223	0	0	0	0
0	0	0	0	0	0
0.287024	0.021053	0.13713	0.201868	0.315141	0
0	0	0	0	0	0
136.96199	118.474701	99.229576	99.178139	92.84124	137.029678
2.056329	2.97498	3.774486	1.435322	2.57055	1.793523
0	0	0.040451	0	0.051429	0
34.580128	33.981354	34.663929	35.167267	30.856419	40.209171
0.691792	0.396246	0.902456	0.153829	0.343921	3.616169
0.056086	0	0	0	0.027543	0
4.579927	5.203966	4.835323	2.113024	4.622568	4.526301
14.597109	2.554294	0.269806	1.605231	0.982156	57.984421
113.875298	118.633209	133.028961	103.535629	123.190453	128.693039
164.673203	189.265457	157.823212	137.776352	174.952469	199.471527
0	0	0	0	0	0.077239
4.479198	3.677829	2.32277	2.868358	4.494539	3.020571
5.133101	5.096594	7.366858	3.945884	5.016315	5.176768
6.52904	7.571129	8.869388	6.330531	6.690043	13.842099
8.832697	7.965284	11.629446	7.523757	9.540892	9.1064
15.261801	13.582731	17.998625	10.715084	13.422893	15.943418
11.067932	10.119422	11.298548	6.661719	8.442138	12.850984
16.305121	11.942305	15.662775	14.545847	15.789829	8.576352
15.14826	14.297749	18.847782	12.585733	16.80242	15.030539
7.390488	4.604064	5.998809	4.800207	5.005263	6.423126
14.995354	10.011058	12.681207	5.752346	9.325437	4.113731
3.999656	3.990295	3.908092	3.121853	3.798754	3.524034
13.750342	15.318892	21.483578	17.333563	17.466443	14.822982
41.313187	36.395519	38.904331	33.333954	34.918087	38.772083
12.282958	11.525385	9.104243	4.795109	8.075123	10.090509

31.734928	25.817158	27.89246	17.517515	24.208689	27.219786
0	0	0	0	0	0
84.4617	103.082817	86.606972	76.613213	95.092316	94.605385
30.152763	34.557537	28.553528	17.681189	26.828726	30.613558
23.084599	27.3811	29.054602	14.860193	22.916534	22.210989
0.442588	0.261859	1.801705	0.507919	0.525169	0.687281
2.801418	1.512851	2.380752	0.728184	0.863518	2.470524
6.573931	2.810028	1.718316	2.259599	2.079179	2.013243
5.39592	4.595985	4.874467	3.258597	3.212665	4.75175
0.154376	0.203971	0.198043	0	0.099557	0
1.546669	1.564063	0.876504	0.519261	0	0
4.126844	2.289731	0.463764	0.495976	1.976399	0.570324
0.913771	0.340335	0.53971	0.490753	0.306592	0.271698
0	0	0	0	0	0.088437
0	0.01367	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0.775781	1.45561	1.356781	0.479835	0.989923	0.491883
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
5.938911	4.612111	9.55352	3.841718	5.166912	4.07378
5.943989	6.04177	8.201468	4.738575	6.927844	5.702787
121.200531	146.263596	85.741402	80.007324	95.804298	175.695358
16.861683	19.137157	17.77034	13.915644	19.699018	20.876108
23.244286	19.374165	12.953812	11.073275	10.900948	20.851597
29.297098	31.72312	22.624796	26.728802	23.967276	33.678886
4.064023	3.616789	2.762343	1.708662	1.993493	4.855767
20.586039	24.24942	20.73243	13.250343	16.220285	19.249632
0.121225	0.324338	0.029453	0.026984	0.06604	1.793853
5.586422	5.818292	14.845868	8.159558	8.740785	5.075914
0.055832	0.072869	0	0	0	0
9.63891	10.733922	10.260225	6.260745	9.81795	10.011829
8.366728	8.369737	13.895472	8.915348	12.942876	9.683126
11.773746	10.350121	11.515651	7.805708	10.708517	9.548443
21.64163	23.159945	29.238859	22.730389	32.130695	28.239294
2.607432	2.14991	3.776912	2.018157	2.731416	2.5326
12.408525	9.90641	10.353364	8.541288	9.048442	8.539991
6.921657	6.237029	8.506794	4.544499	5.78558	5.853223
11.774621	12.193016	10.582523	5.711834	9.334023	10.94191
4.133884	4.487606	4.173459	2.866868	3.314175	5.244877
0	0.780921	0.140736	0.718691	1.422412	0.96847
6.879298	4.337811	3.001974	1.354213	4.026401	1.806936
0.873981	1.05139	1.358288	0.643666	1.024122	0.157164

24.171076	9.780661	12.398557	8.038352	21.664036	8.128654
0.400384	0	0.100408	0	0.094312	0.209576
6.784141	4.098515	2.558714	2.192144	3.727428	1.595222
58.832344	68.767822	38.792797	28.028151	55.59734	25.041319
43.110447	44.929829	49.780163	37.159668	53.399662	32.480946
0.150764	0.243782	0.119358	0.123802	0.121035	0.202729
32.446778	56.942722	53.192384	47.556991	49.10009	51.818442
0.02163	0	0	0	0.020192	0
1683.210938	1113.16748	519.164978	325.848389	771.928101	389.617462
1176.077026	827.454773	531.179993	314.640686	646.201172	474.720551
0.540283	0.240619	1.311651	0.144026	1.110006	0
0.024807	0	0	0	0	0
1.145336	0.399567	0.194591	0.201687	1.420169	0.163799
3.805242	0.1114	0.230913	0.105571	0.239992	0.474238
0	0	0	0	0.019971	0
0	0	0	0	0	0
6.488615	4.113966	1.697075	1.391751	3.198787	1.747443
0.305233	0.077032	0.192629	0.090196	0	0.134857
0	0	0	0	0	0
1130.904541	698.574768	383.098267	279.826477	577.795227	252.921021
81.373405	109.250359	90.358452	80.247131	164.372421	78.419754
64.862976	74.099335	59.1194	49.437466	98.967995	51.206524
0.026487	0.082462	0.019306	0.062163	0.049104	0.030039
11.637019	8.673202	9.768062	6.888676	7.977416	4.240546
0.077618	0	0.048976	0.018764	0	0
3.160376	5.493801	9.749957	5.571788	7.78612	3.730052
1.233733	3.943327	10.006516	4.206234	6.919545	2.242289
146.254807	133.847794	97.33741	59.003689	115.329224	68.867638
99.481033	55.937744	54.072166	42.444115	84.157066	48.497402
23.224442	13.776829	14.36593	14.906167	38.400661	15.747299
151.628891	161.858246	287.949371	151.373413	349.241333	140.599152
123.987244	143.909882	201.58046	86.55323	232.177292	111.047951
47.5409	57.802921	49.702728	32.618164	51.062855	25.131927
0	0.052563	0.022045	0	0	0.117581
1.781118	0.802103	0.171885	0.399108	0.934329	0.065076
0	0	0	0	0.09431	0
9.471918	8.015218	12.565522	6.481878	16.435427	11.913646
44.891602	43.627457	26.933178	27.933506	42.566868	33.918056
3.375206	1.422659	1.752321	0.343445	1.185006	3.482708
0	0	0	0	0	0
0	0.09493	0	0	0.054334	0
0.429299	0.137392	0.2708	0	0.178593	0.163752
0.082853	1.114807	0	0.066541	0.162635	0.349417
1.737209	6.985317	0.715723	1.625067	5.899702	0.861436
26.530998	30.612947	42.379692	30.719315	59.013016	28.410028
96.652504	96.026047	88.030273	60.499542	79.553841	91.465309
0.130679	0.143535	0.121841	0	0.109375	0
0.725079	0.065897	0	0	0	0
108.814621	113.951172	100.048218	100.56546	85.14653	118.551727

16.868166	11.840137	14.794831	9.134399	13.265923	15.071257
31.846004	29.788881	30.450075	30.336718	28.12944	40.253582
97.576561	89.148026	91.25106	89.589066	81.119331	82.298065
58.643623	48.946556	61.331612	40.015015	50.02327	51.183975
24.425383	24.947168	24.719082	15.853324	18.941607	31.030659
37.255449	44.36246	36.622002	33.727001	35.523403	47.452339
15.704741	15.161192	11.764476	9.736526	9.773933	14.710063
16.200878	12.943175	13.117875	10.678007	11.096586	11.747439
26.161259	16.965458	19.574715	12.918239	14.893401	24.465904
0.468711	0.556513	0.661676	0	0.276753	0
54.832571	79.597962	42.303915	37.571235	62.308095	77.796495
10.879332	9.122341	6.840738	6.374617	6.410548	8.82592
54.514633	53.411106	57.849628	44.972404	55.992523	52.910065
27.599421	27.074511	26.763802	25.323956	29.889345	27.559696
59.634064	53.884701	42.400631	36.390537	45.402508	57.821739
85.556641	107.641411	98.44146	83.497932	108.408577	88.422409
43.950844	37.32038	43.814271	27.907839	39.423312	45.803248
7.553618	8.667594	8.398326	5.48293	7.959514	8.117634
18.738731	13.635169	7.603386	6.889749	9.068624	18.939827
17.853893	7.57391	22.950022	22.664636	19.947346	22.579799
43.55146	40.022533	44.226471	39.439655	42.293777	46.338093
44.893448	36.756119	37.959545	37.339806	38.326031	37.377251
53.798601	37.269016	42.96091	41.61496	37.804752	62.842299
95.727554	99.222511	77.685936	81.293648	75.39225	90.834473
52.773524	63.179413	58.194143	45.097336	53.778936	56.513691
14.107905	11.635633	13.409384	9.301749	11.210224	14.004389
42.33123	37.842266	35.558041	25.231108	29.663652	37.827824
89.243965	80.756645	56.043556	45.113522	53.511395	80.837151
67.416298	54.05566	46.73613	39.429462	54.794708	42.672573
8.5799	4.698383	6.423562	4.118919	4.433644	4.731498
13.348547	8.168034	5.313279	6.061924	6.408828	12.869882
25.564474	25.0483	26.421041	18.772547	21.468805	19.678553
5.430282	4.594355	6.147169	6.458762	5.634947	6.21007
7.276739	5.647348	4.763613	3.090134	4.021736	7.68423
13.184484	10.097711	12.072866	6.880896	9.660887	12.90013
10.770288	14.120823	19.477243	16.001101	13.642889	15.186403
21.904505	22.076277	15.516564	10.843701	13.817661	24.64477
19.061016	22.493475	27.454908	21.991301	23.729345	25.679165
0	0.080406	0	0	0.061361	0
75.538437	78.106139	47.027612	28.10247	35.596693	63.998529
110.991272	119.235062	106.108208	85.886002	104.837463	121.930801
80.666176	72.80806	83.45813	45.148952	64.046867	86.596176
6.47981	7.79541	2.383353	2.817894	1.860212	12.631436
1.464871	0.971703	0.994926	0.670197	1.316218	0.473863
1.935676	1.826279	12.587506	5.306045	5.283566	1.499115
11.530327	10.132113	16.357746	8.437133	10.450179	8.789009
0	0	0.565529	0	0.594729	0
166.949478	161.338043	81.85862	62.029385	76.333267	169.980759
8.27548	8.330781	6.950651	4.132354	5.615721	9.768102

5.789994	4.818326	5.622242	4.18901	6.032753	4.714338
110.208221	123.397987	91.212166	123.397041	97.852898	109.414345
5.541241	5.760106	7.062988	3.894294	4.81518	8.544678
21.683408	25.361415	31.669005	64.094026	26.945543	42.380975
281.446442	300.417419	177.966202	195.022736	214.16571	330.490204
10.244044	10.825876	6.826061	6.107614	5.510439	10.384499
31.960321	34.895107	32.014431	25.97348	33.126736	36.650406
34.443748	29.192347	36.082901	29.86384	28.725573	24.446102
1110.963287	1297.711869	1169.280304	1244.262722	1084.633152	1570.901245
2.976227	3.457766	5.273214	7.294933	12.932779	1.204091
311.040039	234.697342	146.040695	152.453384	139.35675	318.223206
280.044312	294.918396	220.364227	233.687653	208.58754	407.432861
494.131378	603.873474	370.258789	320.266113	350.59082	608.079041
59.28302	0	1.169494	1.482122	1.578795	0
554.282349	587.678101	419.408081	461.241333	449.320526	692.13385
13.322817	5.091343	2.537315	1.761115	5.736262	6.642171
418.124329	435.371368	360.365906	378.173798	340.944824	506.547913
22.15193	11.723347	10.78181	9.356878	8.913994	105.986198
292.061096	276.415131	269.442688	260.3367	252.174866	358.063477
135.067924	152.489822	163.780343	149.950049	164.56926	157.378265
330.27951	327.434784	311.097717	292.472778	280.699036	435.013336
0	0	0	0	0	0
443.940216	481.599518	365.109467	381.416077	414.709564	493.444061
521.985718	624.051758	420.270874	408.063446	408.326477	644.392578
30.624081	0	0	0	0	0
0	0	0	0	0	0
18.691557	66.945254	33.823005	34.908674	56.070755	18.028699
0	0	0	0	0	0.271234
0	0	0	0	0	0
3.33818	0.269109	1.645576	0.052516	0	0.107072
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
4.5966	24.560204	3.004447	8.395222	17.091484	1.651507
12.846416	9.264129	9.159706	6.505782	9.248553	11.37031
183.907211	324.660614	315.572601	282.476562	286.992615	246.547089
3.741411	2.002525	1.224246	1.645376	1.759041	0.660362
3.603882	2.351239	2.812467	1.967676	2.764776	2.546594
0.790518	0.32916	0.270589	0.109723	0.182279	0.190234
3.465024	2.729342	1.986591	1.971448	3.181425	1.719346
2.928192	1.57158	1.039736	0.432971	1.511908	0.631866
0	0	0	0	0	0
0	0	0	0	0	0
0.172453	0.148653	0	0	0	0.165607
1.350308	2.048177	0.672125	0.618336	0.964395	1.084738
0.159515	0	0	0	0	0.252491
0	0	0	0	0	0
0.057549	0.150536	0.042468	0.058754	0	0.139754

1.601377	24.127796	1.830726	2.678359	3.89477	0.806883
0.509159	4.963408	0.341217	0.457414	0.811671	0.575553
18.231462	16.195353	11.632537	11.572	17.749063	10.191697
12.006222	12.283453	16.476482	8.215305	11.152461	9.65595
6.47614	5.712027	6.190832	4.971563	5.983617	5.627786
0	0	0	0	0	0
0.25905	0.326991	0.050531	0.139819	0.08156	0.130656
0	0	0	0.173344	0.368313	0
0.237665	0.135487	0.0688	0.063456	0.093056	0
10.176499	8.127189	8.253152	5.19968	7.071234	6.807925
0.238138	0	0.054525	0	0	0
7.037622	7.982396	5.151873	4.296121	5.042084	7.496846
11.959708	9.371195	9.325989	7.135656	8.071666	11.067521
29.053587	33.918297	27.92215	31.138051	29.297541	26.196297
1.306626	2.537627	0	0.469298	0.064022	2.936966
16.200226	18.469988	25.708884	17.057311	19.276825	15.625632
17.552242	15.658103	14.983564	9.607511	10.618082	18.85957
34.124004	40.057549	35.132751	29.750231	29.90774	42.009285
21.214584	23.2563	21.577374	16.672131	18.066277	24.942038
22.978238	18.920027	24.485352	15.013697	17.293981	22.126892
0.206977	0.90634	0.618649	0	0.257921	0
13.359278	11.757022	12.959945	9.591319	9.490705	10.331093
19.674671	17.368603	34.295348	24.53968	26.097638	19.709795
20.512775	11.629555	24.015518	8.518512	8.587798	12.742738
0	0	0.108031	0	0.060152	0
9.823672	5.691772	6.202752	3.545195	7.080196	2.939447
10.592501	11.679813	9.624895	4.53334	8.390792	11.636387
5.389651	5.237045	5.569903	2.569526	5.334307	6.913447
0	0	0	0	0	0
0	0	0	0	0	0
106.51825	51.456902	11.913072	9.795925	24.48797	12.507907
2.962017	0.850088	0.150394	0	0	0.931661
7.31289	3.761204	1.600526	0.78097	2.532678	1.123564
23.777981	20.400364	20.323206	15.310189	16.246893	23.80505
0	0	0.026539	0	0	0
0	0	0	0	0	0.965258
32.54303	58.064381	21.126333	21.785105	18.807022	24.894451
0.749435	0	0.93537	0.278998	0.670994	0.440879
9.954227	5.305676	5.303405	1.504888	4.922346	5.339061
3.559976	4.083415	2.999085	1.279476	2.180741	4.116842
6.451628	5.029216	9.882574	5.078356	6.230644	4.635896
11.683275	8.645524	10.105691	4.359388	7.479393	12.500484
0	0	0	0	0	0
0.071571	0.049819	0.051935	0	0.366836	0
0.197255	1.911857	0	0	0.1936	13.876223
4.203267	4.76521	6.777708	11.842191	12.128463	2.730649
16.387571	14.714365	13.946035	9.593458	11.136254	19.195459
0	0	0	0	0.104046	0
5.805774	2.297619	1.914843	4.021364	3.712743	0.812027

36.839806	31.934431	25.883818	22.07988	29.289024	34.703575
17.056631	14.398515	7.392186	4.52707	13.407362	3.918112
9.94556	10.577144	11.970711	9.75283	15.191519	11.910503
3.057665	12.319592	3.07693	5.23561	5.534863	51.119724
0.49341	0	0.636794	0.130203	0.462474	0.066699
1.549205	0.651164	0.995205	0.714988	0.932007	0.762928
7.721391	6.020532	9.361966	5.365233	7.607883	4.481625
2.222596	2.978309	2.72325	1.825008	2.420785	1.874069
3.227532	2.218011	4.295459	3.869534	4.814073	2.560391
8.401948	8.883221	15.838498	8.02277	12.255994	8.384282
42.646008	41.697704	21.813963	18.293833	29.776241	28.474337
0.272106	0.269412	0.085219	0.288785	0.243736	0.09837
15.413022	20.273605	14.807014	11.080515	17.276176	13.083012
47.780037	74.673927	17.864931	16.814939	28.566174	33.280521
5.55216	3.776633	2.024086	2.39261	3.661193	1.401522
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5.327055	6.450287	7.056871	4.727674	7.227263	7.097865
485.641266	478.302704	228.068634	148.369522	203.869751	1136.052246
43.535419	43.516533	26.928629	11.714054	19.099899	31.556292
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25.04764	23.903938	25.317205	29.330385	25.909019	25.798529
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11.974592	2.385876	5.778275	0.673455	4.033041	5.66451
20.426394	18.274464	20.809464	7.30136	18.410113	11.001616
12.158272	9.467542	11.710415	6.419621	9.207899	11.774065
40.866196	126.240463	121.615349	97.202972	127.984146	96.732841
24.337956	26.740695	14.827143	8.826142	15.188578	15.587896
15.983008	14.048712	18.911874	14.4213	14.389542	14.953304
20.289434	12.308917	16.866322	16.733076	14.367182	16.18758
0.679989	0.712948	0.484419	0.266239	0.477199	0.966424
2.795	1.824636	3.849736	2.431169	1.652525	0.580372
14.081786	13.337464	13.63759	9.755537	9.334834	13.760738
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1.434437	2.665504	4.120287	2.202152	3.510352	1.120569
10.762175	24.52697	15.369624	16.453587	13.951656	20.364214
1.018225	11.063169	0.826781	3.203238	6.730726	0.568878
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0.618314	0.24916	0.17067	0.23612	0.115421	0
111.599899	103.732216	84.576927	53.508041	94.727631	93.058113
3.686397	4.422484	7.915488	3.412122	4.718588	3.434211
30.757013	29.49052	33.160023	24.39163	31.077326	27.084846
7.439045	7.788515	7.746355	4.093651	7.295748	5.301161

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7.85458	7.173231	7.918201	5.558775	7.862058	7.689467
4.923072	3.919816	10.168279	4.586122	7.292673	4.816118
5.905351	0.750825	3.333268	0.754261	2.820735	1.102103
185.191375	74.467838	55.699348	36.50367	55.412416	46.032604
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2.579448	0.424063	1.816001	1.417886	0.297608	1.25008
0.825388	0.819157	0.30073	0	0	0
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1.693981	3.910533	5.061268	2.987119	7.176529	2.680616
4.609071	3.115278	3.231483	1.62909	2.188656	2.27966
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25.0863	29.013446	27.262729	39.675242	29.747997	34.347477
70.117004	62.371708	51.594055	37.755325	39.611343	109.972481
13.103718	27.159525	10.051082	7.768286	12.837763	7.015521
2.209118	2.496149	1.366835	0.683589	2.472297	0.749763
102.542435	89.505766	106.819725	109.51199	79.506035	109.207798
18.430962	13.834789	13.578225	10.108728	9.321342	18.67013
45.396365	39.482021	57.26666	23.992258	31.151203	44.038543
70.402573	53.81831	43.27293	25.085423	43.970409	41.122009
11.08615	14.071012	4.02888	6.915071	5.965138	14.368474
46.158051	50.944118	39.549194	18.139309	25.230169	36.076679
39.957108	34.282288	24.349812	19.677664	22.040895	29.708494
12.853415	9.269331	6.404791	4.94804	8.298678	6.478468
1.217926	0.427768	0.514688	0.279919	0.704224	0
5.445427	2.616582	2.276204	2.933172	6.763763	1.199045
6.578004	7.192256	7.382096	4.916266	8.046953	6.836746
9.99416	9.086556	9.014595	7.811803	8.994426	9.445516
57.331952	59.906256	52.590822	31.952897	45.411599	58.621099
0.426593	0.602332	0.473831	0.344431	0.481555	0.945522
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89.806946	81.459328	72.969666	64.777672	72.041527	78.061386
50.487106	50.281595	57.029215	37.956705	46.929731	46.266504
53.068053	53.381277	63.115528	48.300483	68.964073	43.163779
4.281238	3.501462	6.313893	3.34516	4.245251	2.434653
54.068028	54.720021	54.131945	34.759522	48.170882	50.67501
8.981978	9.314333	8.472667	6.493281	7.472145	9.194583
28.673458	29.446848	28.470148	23.864187	26.433868	29.035891
14.518232	13.458397	12.248878	10.341373	11.243803	15.063519
117.38034	120.395111	85.754193	73.877097	84.669824	126.047182
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2.331427	2.109723	3.686709	1.741059	3.698585	3.022046
0.218526	0.20225	0.07919	0	0.038544	0.213275
7.03682	4.846934	6.166574	4.521905	4.853421	3.696089
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11.001725	9.882278	7.367439	7.92826	11.542257	6.067999
3.576553	3.063977	4.343943	2.290045	3.502323	2.851246
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117.163773	91.667534	64.938499	77.361153	88.853645	170.205154
173.60675	184.590103	153.537582	202.094681	200.882156	139.790833
11.978655	9.000095	11.336953	4.849861	7.182121	10.957792
20.913012	0.488829	0	0	0.224045	0
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701.495056	724.082214	572.86731	462.846558	705.468689	568.73877
0.839797	1.021661	1.143114	1.099045	1.46167	8.823626
1.614737	0.788729	0.390074	0	0.453957	0
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0.744272	1.927866	1.73453	1.866712	2.999841	0.781629
495.763428	428.522308	367.689575	452.397125	449.186523	461.464966
13.569383	11.143709	17.192139	8.385102	11.068449	16.3936
6.836549	7.354534	8.959785	8.03323	8.347372	7.757187
8.68618	10.395589	10.180751	6.736576	7.657271	8.933176
14.403078	11.520403	10.740923	7.495782	9.314041	10.717281
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32.116431	38.124891	36.525821	26.651929	30.000661	44.73975
82.265259	83.76684	79.985211	51.871174	62.81796	81.638224
16.302291	15.118049	18.718365	13.179141	14.510708	16.080431
6.803375	6.050327	7.483647	6.760674	6.764371	8.259633
8.51785	10.451672	15.715731	9.655281	12.010084	9.963545
21.828028	17.222097	17.539604	12.5105	12.714125	17.606346
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77.258667	71.210281	61.403854	43.378174	61.628941	79.895615
10.845712	8.813504	8.424042	6.000124	6.899671	11.135405
37.903728	37.084988	34.770226	19.247013	29.760479	32.458599
28.779274	27.314444	37.843969	22.866635	37.839825	24.176565
9.230135	13.533108	14.701432	7.330575	12.677706	9.341558
3.201163	3.037235	4.15367	3.508472	3.554875	2.693954
2.013759	1.993892	2.016914	1.695447	2.407133	2.470082
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255.903198	126.318253	224.817917	173.381287	154.569092	199.327057
2.099492	10.554938	7.413998	9.752661	2.807281	10.887722
143.122925	81.846794	25.00983	25.314741	42.032551	45.113457
3.709838	4.465897	6.068933	3.421089	6.172661	3.546529
81.773288	31.319355	221.406791	97.367649	286.092006	46.504476
28.193843	6.952512	19.321878	6.762472	15.546016	15.817742
0.967447	0.784313	0.626971	0.953727	3.637156	0
69.630898	74.276672	72.763725	54.556904	65.472954	81.095123
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4.346542	3.665175	6.538995	4.489607	5.536922	3.452314
120.155029	123.964104	139.977524	109.943954	137.2211	140.269684
13.558368	11.304141	11.424454	6.134982	8.322592	12.935968
13.282476	15.132352	15.565598	11.377831	12.085928	15.350487
33.155886	30.824559	34.245069	27.015571	34.161244	33.966443
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10.548644	8.044328	11.137486	6.191582	10.081537	10.248141
25.17498	21.786215	21.271334	15.822394	16.90941	33.601582
5.943319	5.050794	8.103806	5.993167	7.017274	6.255135
14.220364	13.657461	11.764481	8.171021	10.855202	14.889938
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164.609456	147.954738	136.919136	108.086522	158.20003	145.266556
424.999451	251.923233	209.536179	178.914688	287.105042	290.092041
228.555725	192.701782	75.160172	69.596176	95.314804	183.722687
1569.994141	1047.460693	715.690552	490.6203	753.463074	1410.217407
1.179331	2.360198	0.519635	0.282189	0.245853	0.342136
11.726267	8.625443	5.093046	3.578208	6.265671	5.426909
1.173257	0	0	0	1.02743	0
160.186432	184.581512	83.902596	99.890915	108.835915	99.061188
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130.250198	42.260269	44.564251	34.952656	104.218971	26.036551
822.86853	727.921082	586.109924	622.443726	738.319763	899.055664
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881.833549	765.450058	383.102354	316.791216	432.229936	648.632721
2.512002	0.473959	0.746126	0	0.23197	0
323.437012	318.578156	192.37851	155.160812	220.887711	304.386292
60.247068	69.973198	100.628128	64.503408	79.015557	75.376087
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15.734875	14.222832	21.59223	17.74091	20.073936	10.326407
3.516373	4.837894	3.771492	2.073722	3.3602	4.096952
18.44912	12.047248	12.573533	9.578276	10.227095	14.280908
33.288471	31.186281	35.280479	17.862015	28.921728	26.128971
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0.403453	0.263274	0	0	0.202718	1.442084
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18.934612	20.030528	24.03944	17.839785	20.643034	13.685463
54.942457	55.846097	40.433586	50.7729	50.009982	38.420532
30.451357	23.62911	25.954382	20.134624	23.571217	27.781691
7.934848	7.558467	7.49237	7.553094	6.887473	7.415361
18.063547	15.471177	21.280098	14.486009	19.108116	22.237858
28.071497	26.808819	32.866707	19.312222	26.305038	31.629433
7.732628	6.358956	7.881088	6.893893	6.185556	7.087075
3.379403	2.463441	2.878159	2.585976	1.372689	3.100866
13.990533	15.952821	21.023001	13.090034	18.463123	12.043822
1.216784	0.835968	0.701224	0.287817	0.710819	0.320954
90.211975	101.880861	67.15723	52.088187	57.23717	81.766841
0.157705	3.148418	0.328303	0.388884	0.283769	0.546515
5.20827	5.316512	4.272226	2.602589	3.595454	3.938768
19.570547	19.94155	36.317825	18.126884	28.656385	21.98595
0.093952	0	0.032218	0.029848	0	0.182025
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72.526413	74.989929	66.731575	46.209343	61.864323	90.133499
6.8864	6.036097	7.529617	4.593282	5.542938	2.862115
8.145912	5.732855	8.895263	5.134795	8.68856	7.056037
11.326012	9.721891	12.288434	9.699461	10.444576	9.022595
3.893479	4.350442	5.981958	3.823426	4.670038	4.305962
5.163361	3.606317	4.808207	3.894548	3.825151	2.836475
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20.59985	41.205734	36.35865	35.580208	61.410107	30.227938
7.753318	7.794614	8.283165	2.155194	4.196187	11.343219
2.910118	4.117037	3.537455	2.565378	5.305235	5.803738
18.76219	9.994912	22.077419	15.300885	26.436872	8.977902
16.863821	5.343091	0.348311	1.30969	1.062152	6.418528
0.516203	0.081258	0.068771	0	0.182935	0.484531
60.892874	33.444627	14.073408	10.527448	25.451738	8.733459
0.457884	0.39109	0.989812	0	3.709045	0
53.930889	139.453934	54.939457	70.56971	119.643646	33.298908
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40.962715	26.105198	14.079141	17.037758	29.897236	18.987188
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15.778671	3.812128	18.543152	18.381102	30.765007	0.85617
12.602928	0.382395	6.582458	8.826921	14.369968	1.227015
1.666441	0.346409	0.262896	0.272785	0.39943	0
5.754866	0.919773	0.359471	0.679094	2.51116	0.230165
0.201969	0	0	0	0.265482	0
0.527359	0.285016	0.52401	0.386281	1.449202	0.334314
1.084625	0.526538	0.273317	0	0.506917	0.449076
44.99688	18.316854	25.921747	20.878872	36.142368	17.892281
0.648716	0.795941	0.896866	0	0.386181	0.310341
1.938566	1.028967	1.306467	1.246374	2.036107	2.937469
16.023388	9.254662	5.723892	3.320629	5.746729	7.841839
18.228952	8.898474	6.554111	3.28953	6.148338	8.388584
12.285073	7.213954	3.165866	1.742358	2.690144	2.827894
15.437831	13.681353	26.242558	13.698804	18.448267	14.903493
0.120143	0.069601	0.137314	0.053243	0.026558	0.073847
14.54962	18.485281	11.613583	11.884722	19.097513	12.82219
5.00885	5.258851	3.812236	2.350141	3.578645	6.429018
10.071748	10.228034	9.783199	4.997859	12.139041	13.366146
2.967943	2.488169	4.515737	1.39418	2.268686	2.848617
5.265167	6.553987	5.13829	2.388812	3.935147	5.287137
126.139427	223.338913	74.708138	63.685528	91.894875	158.593262
35.458035	34.924706	30.610962	16.942297	17.63839	52.079487
3.338037	3.732629	7.431738	2.320158	3.791697	4.674048
3.816007	4.434948	3.048911	1.910632	2.124647	3.500313
45.21698	51.611183	71.384201	59.49091	47.851578	53.105679
0	0	0.079588	0	0	0
157.434937	222.983185	281.625671	140.534348	168.365646	166.828751
17.861633	14.205034	10.872216	10.966327	10.943842	15.94119
2.418941	1.915526	3.435062	0.891901	1.622079	0.897806
393.134129	392.255874	218.564625	170.361871	219.93676	352.808557
25.514849	22.507961	11.7902	9.658156	9.717237	17.380833
0.101578	0.111952	0.116494	0	0.172081	0.333244
110.180099	111.093445	86.284798	75.229881	81.488899	148.444839
34.261669	28.868128	13.966194	15.090267	14.209332	47.037254
0	0	0	0	0	0
21.034857	18.951166	20.298963	11.900974	14.463897	21.575394
0.221712	0.09733	0.106886	0.03422	0.289739	0
35.13644	46.426285	12.160873	10.09558	22.392689	9.61324
30.175272	36.295319	34.925422	25.547748	35.679657	38.004755
0	0	0	0	0	0
0	0	0	0	0	0
4.334049	2.271789	2.871823	2.076054	4.25674	2.841128
0	0	0	0	0	1.642891
0	0	0	0	0	0
0.09509	0	0	0	0	0
0	0	0	0	0	0
0.12386	0.246848	0	0	0.709125	0

0	0	0	0	0	0
0	0.144177	0	0	0	0.425104
2.50122	13.501845	0	0.241986	0	0.598622
11.323653	3.870093	4.111658	1.362042	4.643221	1.360784
20.51276	19.814472	27.989197	22.232639	20.656162	25.180059
0.158104	1.784084	0.224516	0.43543	0.306515	0
0	0	0	0	0	0
0.767628	3.479598	0.154429	0.556979	0.841107	0.865767
1.663174	4.249937	5.369829	3.842876	7.834181	1.086497
0	0	0	0	0	0
9.770962	12.468366	5.359112	3.950832	5.811721	8.814688
0.187117	0.188429	0.205036	0	0.184884	0.232768
1.115162	6.302308	0	0.800664	0.843139	0.38333
0	0	0	0	0	0
0.344613	0	0	0	0.550308	0.332621
2.473698	2.726849	0	0	0.640785	0.451961
0.582132	0.598771	1.695532	0.463881	0.982669	0.570603
0.080946	0	0	0	0	26.167534
0	0	0	0	0	0.330981
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0.081307	0	0.35917
2.673785	4.545064	0	0.383952	0	1.817665
0.225228	0.688136	0	0.16678	0	0.696377
0.154367	0.153403	0	0.106032	0	0
0.285971	0.497397	0	0.459125	0	0.584957
0	0	0	0	0	0
1.522241	7.618096	0.111583	0.299941	0.568745	0.731936
1.879313	6.84151	0	0.799172	0.197251	0.720321
0	0	0	0	0	0
0.489282	2.357585	0	0.258372	0	1.185257
2.509425	2.129714	5.146547	3.337463	2.840989	5.954314
0	0	0	0	0	9.137736
0	0	0	0	0	5.225315
0.946472	7.212413	0	0.406675	0.174213	0.55769
0.311511	3.326986	0	0.543906	0.558683	5.578428
0	0	0	0	0	0.310468
2.125341	12.373394	0	1.639532	1.957484	1.304001
2.772888	27.213749	0.925387	3.276586	6.43124	0.789897
0.068732	0	0	0	0	0
0	0	0	0	0	0
0.908781	2.142611	0	0.092717	0.182497	0
4.473894	11.202463	3.061901	3.326479	5.235544	3.374585
3.338798	18.217422	0.535119	4.121969	6.663691	42.032925
0	0	0	0	0	0
1.321493	2.007601	0	0.366431	0.616565	0
0	3.050312	0	0	0.577367	0
3.415358	25.212032	0.199774	1.108507	1.71522	0
30.150646	138.778473	0.543799	8.893439	12.815271	14.088883

2.958897	2.208956	0	0.250441	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0.435248	5.298865	0.04532	0.516928	0.203511	0.194689
2.386613	3.656972	1.943127	1.755217	2.573417	15.019338
0	0	0	0	0	0
0.579189	0.432674	0	0	0	0.365998
0.325175	0.851454	0	0	0.363696	0.158227
0.867678	1.25316	1.001561	0.270949	1.156103	7.028279
0	0.093415	0.167296	0	0	0
0.432162	0.592174	0.452722	0.098206	0	1.056842
0	0	0	0	0	0
0.826161	1.653081	1.86997	0.906697	2.196961	0.594388
13.60458	40.362907	0.147047	3.997891	0.825663	39.162663
0.050415	2.225974	0.223232	0.32812	0.584685	24.561739
0	0	0	0	0	0
1.043571	2.95659	0	0.907019	0	6.025695
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0.764278	0	0	0	0
2.651336	1.79789	3.305122	1.49778	3.482288	0.390776
0	0.171411	0	0.387993	0.106811	0
0.250434	2.51134	0	0	0	0
0	0	0	0	0	0
0	0.077664	0.062192	1.639851	0.2093	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0.068792	0	0.157387	0
0	0.169789	0.223003	0.404296	0.247369	0
0	0.069662	0	0	0.76049	3.069799
0	0	0	0	0	0
13.839438	16.3671	19.999502	13.963734	16.514294	13.349483
0.825265	5.886879	0	0	0.410467	50.961056
0.379244	1.773696	0	0	0.050733	0
16.897081	15.51806	14.603484	8.285332	11.908668	22.376728
2.11985	2.488996	3.700221	2.848544	3.788733	0.899547
11.868385	24.944628	8.844994	8.819836	8.499704	9.260616
0	0.553958	0.330261	0	0	0.786451
0	0	0	0	0	0
0	0	0	0	0	1.74831
0.341153	0.702003	0.57019	0	0.266972	0.815743
8.053302	10.659736	6.947122	6.051013	7.712944	33.97797
0	0	0	0	0	0
0	0	0	0	0	0
12.145229	20.153824	14.477429	9.067213	12.407912	15.750667

0.163969	1.476046	0	0	0	0.335283
6.371733	5.200305	1.168963	0.65526	1.564372	0
0.660042	3.515799	0.056569	0.346443	0.11477	0.555641
0	0	0	0	0	0
0	0	0	0	0	0
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0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
173.449249	77.435318	67.667076	104.9086	98.054573	92.459076
2.834293	1.267734	1.340242	0.234584	1.257678	0
2.797791	2.225102	1.405344	1.942275	1.700095	1.650749
0.125416	0	0.15263	0.168817	0.158654	0
0	0	0	0	0	0
10.517746	10.308064	4.707803	5.706071	6.543097	58.617992
21.699923	4.990778	19.355034	11.451484	17.353183	15.495899
28.259777	31.432342	27.045428	30.387916	32.987361	21.857325
8.885471	9.539323	17.985552	9.829106	19.888635	10.285112
58.253994	45.001751	26.694588	13.278883	19.016893	43.300346
6.387656	10.256482	7.161951	6.68389	5.486474	8.657393
0	0	0	0	0	0
0.298953	0.096119	0.108466	0	0	0.178471
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0.480325	0.477095	0.523403	0.155675	0.353946	0.697219
2.356232	2.229526	2.927257	1.323591	1.36947	3.145365
0	0	0	0	0	0
0	0.275557	0	0	0	0
0.090702	0	0.15848	0	0	0
25.454023	25.205179	21.174578	24.548113	25.712545	32.872707
0	0	0.10457	0	0	0
24.291588	24.112478	19.546577	14.755122	16.660557	22.426676
9.822587	8.673885	9.3026	8.443178	9.385173	10.432026
3.67999	3.510871	5.373747	2.268453	2.875286	3.383879
0	0	0	0	0	0
0.177131	0.492305	0.088429	0.088912	0.159765	0.243325
0.631977	1.803385	2.778605	2.196769	0.676782	0.802705
0.07492	0	0	0	0.074526	0.512887
0	0	0	0	0	0.265239
0	0	0	0	0	0
16.770527	14.268584	16.171808	12.021169	14.855301	15.290841
3.710821	3.235189	3.009697	2.144003	2.597903	2.813451
0	0	0	0	0	0

0	0	0	0	0	0
11.0905	7.68135	8.530244	3.661036	7.003559	11.129252
79.82634	71.284538	55.286385	36.13113	39.58461	87.504097
44.687001	43.540254	35.704941	28.656277	35.818593	38.411702
25.477989	25.124216	23.031025	15.158303	15.681245	19.636438
12.45049	9.503734	7.947288	6.055437	6.901667	13.882886
0	0	0	0	0	0
10.912536	9.887608	10.550541	7.927306	10.020864	8.054947
0	0	0	0	0	0
2.404094	2.135889	2.672717	1.421375	1.985483	1.897742
17.736309	21.500303	18.934509	14.250956	18.783865	22.279694
4.649602	6.820712	5.368975	2.988655	4.033082	4.637567
0.759859	0.296896	1.045446	0.314634	0.420312	0.044769
0.182735	0.087171	0.059021	0.202775	0	0.180354
0	0	0	0	0	0
0.558484	0	0.209829	0	0.124196	0.430525
1.069025	2.285954	2.497757	1.083334	1.644971	3.178575
1.995695	1.483991	3.091149	2.212972	2.254037	1.915286
0.926397	0.636011	1.421309	0.971298	1.040552	0.362749
2.360223	3.520147	0.98375	1.061375	2.892041	0.82111
1.594118	1.41095	3.224015	1.542657	2.137986	1.150621
0	0	0	0	0	0
0.015018	0	0	0	0	0
2.275747	2.856236	4.75724	2.674745	4.042147	2.423774
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
7.078156	5.30361	6.413566	3.550575	4.528691	4.985678
2.669135	2.387495	3.185337	0.932151	2.262302	2.92596
0	0.020006	0	0.039041	0.04771	0
0.174733	0.638098	0.320833	0.311851	1.061932	0.10319
2.520853	2.5873	0.205994	0.212792	1.444921	0.175935
0	0	0	0	0	0
0	0.059218	0	0	0	0
0	0	0	0	0	0
0	0.202426	0	0	0.066459	0
0	1.248888	0.573969	0.889063	0.90976	0
0.052493	0.201929	0.076181	0.052698	0.05152	1.137691
0	0.029123	0.030103	0	0	0
0.349547	0.288796	1.116936	0.749937	0.379734	0.291329
0	0.146373	0	0	0	0
0	0	0	0	0	0
0.27077	0.497085	0.197801	0.265432	0.481033	0.161762
6.224254	3.94083	5.587114	4.297873	4.180143	5.744152
0	0	0	0	0.140402	0
0.797799	0.305776	0.226295	0.137172	0.173305	0.326099
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0

0.027244	0.041363	0	0	0.033423	0
0	0	0.10463	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0.551173	0.476752	1.244025	0.782617	0.585122	0.700517
0	0	0	0	0	0
0.35387	0.220826	0.459584	0.258563	0.22071	0.308028
187.172562	183.601868	138.369308	136.231964	149.027618	219.87645
7.553813	12.938238	17.907082	13.608809	24.484726	17.828377
0	0	0	0	0	0
8.438245	9.917684	18.808813	11.767642	12.032566	8.509556
0.319365	0.408432	1.059945	0.359826	0.834521	0
8.322856	4.654183	4.636922	4.049892	4.930399	3.719735
0	0.076066	0	0	0	0
0.362666	0	0.196219	0	0	0
0	0	0	0	0	0
3.300209	2.197523	6.700931	2.706874	2.885098	2.540151
7.020624	6.82836	10.511021	6.092374	5.939884	4.237589
3.337347	2.083643	2.350739	0.528147	1.510847	0.882126
0	0.046239	0	0.28905	0.170086	1.052289
91.628417	49.161419	70.749165	40.833191	48.449104	45.433306
2.636194	3.115045	6.509589	3.57054	3.472717	1.881988
0.589877	0.035887	0.262006	0.137074	0.325532	0.199134
0	0	0	0	0	0
4.379631	2.26635	1.887866	0.783688	2.526733	0.750464
0.40372	0.88934	0.15708	0.162989	0.371453	1.094896
6.556646	6.685919	7.676686	5.649605	9.221108	6.417171
185.484158	178.425889	97.437472	99.000257	116.483817	152.210941
17.104989	18.907074	21.814849	2.780411	22.044629	15.478134
6.849086	10.498673	9.304829	4.953814	9.295456	6.320717
11.389442	9.872635	6.200747	2.898784	4.791726	6.774364
0	0	0	0.070167	0	0
17.77787	14.496549	13.869334	8.727726	11.22325	12.16564
16.139507	7.079203	10.210029	7.375974	6.205517	7.7652
3.5797	3.887813	2.111946	1.650884	2.504135	4.442033
0	0	0	0	0.110847	2.043616
223.63765	311.137726	292.723969	226.80925	241.25206	254.426468
11.815898	18.423536	18.091786	15.962281	17.762574	18.678859
6.738056	8.415066	4.663551	3.168743	5.039261	3.528484
1.290732	2.020776	0.786946	0.406621	2.07256	2.465606
19.44159	19.353732	16.572001	11.99421	15.640351	16.991986
0	0	0	0	0	0
5.232006	4.579014	3.363467	2.225594	3.643048	4.468217
22.573401	31.932105	28.011984	30.563438	24.849623	32.158245
3.779025	4.649627	4.844988	2.491686	2.856987	4.570975
0	0	0	0	0	0
13.906134	10.822418	13.446694	7.311015	10.461705	13.714455

70.853823	69.891553	75.480002	49.153919	62.134435	59.077891
119.49012	97.811142	99.766228	77.335518	89.304222	113.880089
0	0	0	0	0	0
19.301592	17.955263	15.938966	9.959861	10.413686	8.727478
0.228715	0.085674	0	0	0	0
0	0	0	0	0	0
453.22318	559.657457	338.596901	253.356136	276.447995	735.505966
0	1.240672	2.088529	3.016855	1.413298	0.8117
64.847325	70.988235	62.847004	42.924295	55.568186	56.655003
0.472984	0.578021	0.923946	0.65947	0.948573	0.393575
11.510144	12.236792	8.592807	6.074693	8.557612	12.201248
46.3939	45.16173	42.730897	28.342125	39.266856	48.300602
10.64306	4.901154	3.578456	3.545793	5.115019	3.035124
0	0	0	0	0	0
10.397163	8.415377	8.307018	7.026791	7.709057	12.04429
6.78515	6.870622	5.593891	3.997576	4.185355	6.203713
0	0	0	0	0	0
0	0	0	0	0	0
4.193183	3.289936	3.245567	2.296523	3.030899	3.399726
15.167875	18.176415	13.729731	9.084963	13.141865	20.739611
22.348146	19.859961	20.556423	16.049761	20.504509	23.238491
0	0.055668	0	0	0.105925	0
0	0	0	0	0.051788	0
48.03796	36.087681	28.951563	30.583176	27.116894	57.428814
25.808584	23.704855	29.471399	22.504004	22.963482	26.67778
2.135966	1.257018	4.369119	1.403293	1.352583	1.572123
9.215362	7.73609	14.113628	8.554904	10.582155	8.790803
9.950182	10.230751	14.678828	10.009866	12.000827	8.379165
14.923329	13.149273	22.735239	12.983504	21.431774	13.626661
14.41695	11.646359	14.380799	8.06428	11.871693	13.548735
30.47175	29.504173	45.518902	31.55888	37.297382	28.981541
35.035	34.336681	29.29147	19.032301	26.24404	32.305248
2.224901	2.130227	2.000961	1.129415	2.675912	2.930371
7.545186	6.813967	7.866061	6.677129	8.483761	6.965542
0	0.012624	0	0	0	0
0	0.311439	0	0.066074	0.031937	0
0	1.672709	1.526927	0	1.15783	0
0	0	0	0	0	0
0.824862	0.364995	0.421376	0.107368	0.297439	0.318296
9.642038	6.404511	6.340968	4.809505	4.511975	7.663384
4.076161	3.375477	6.312115	5.729281	6.038978	3.05955
0.804494	0.343085	1.009215	0.605393	0.477965	0.552134
0.043459	0.241947	0	0	0	0.133427
2.96759	2.523592	4.020407	1.689322	2.102872	2.564588
3.613763	3.385722	4.48934	2.086132	2.160903	4.521188
2.258739	1.104608	5.111488	2.2542	1.35957	3.033825
276.090481	146.508019	77.587335	83.866979	156.014161	61.785629
4.509549	4.145589	5.915089	3.743166	4.992484	4.190922
1.693267	2.067729	3.677654	1.712028	2.057837	1.493788

5.418778	3.738191	3.90842	2.98185	3.369487	3.087558
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
19.88409	26.327518	24.395609	21.756821	18.662163	26.269251
0.197782	0	0.166698	0.047127	0.179768	0
1.354083	1.270338	0.464538	0.528303	0.298551	0.181596
0	0	0	0	0	0
13.157726	17.590682	22.981058	15.459634	13.17766	13.70878
23.758482	24.246035	31.692988	20.493695	28.825007	19.133074
82.601196	75.989745	85.999835	61.710473	67.733842	81.568325
56.343974	70.564638	61.778163	60.983369	59.753085	69.389415
15.69336	14.650279	16.588022	13.745505	15.529887	14.205598
45.125675	37.090622	34.074295	26.09549	33.375374	39.434681
52.67634	42.826165	47.922711	33.344104	39.164842	51.896194
100.977425	128.924149	89.709206	96.014084	84.692955	131.532272
5.084443	5.21953	4.007511	2.940826	3.374074	2.729166
4.929146	6.443241	6.835923	3.617959	4.990799	5.779854
3.646683	3.409535	3.378077	2.607519	3.261407	3.319678
2.691895	2.181047	3.156667	1.767578	2.201677	2.504763
58.206337	39.747658	41.460247	42.439987	42.078484	49.930531
0.016779	0	0	0	0	0
20.127707	11.849734	9.858171	5.490491	9.758181	18.128305
35.111131	39.624137	32.872135	22.602783	27.011642	42.13362
12.430528	4.809343	4.221028	2.526294	3.487588	5.032609
52.959738	71.178154	78.256557	83.878242	92.583283	51.840849
143.917542	144.983139	180.338058	133.685638	147.752151	164.755081
1.315994	1.184186	4.293792	3.053886	4.185112	0.647759
0.299315	1.671967	0	0	0.498547	2.882292
9.266293	6.814638	5.355001	3.916829	4.08778	6.230676
10.602386	8.250772	14.285732	8.78	9.063437	12.225633
0	0	0	0	0	0
12.412872	12.584117	16.866941	13.113557	12.667823	3.691157
1.474191	1.092642	0.702348	0.530389	0.561503	0.809731
49.331485	47.462616	44.892266	72.92557	77.283624	41.709269
37.450768	88.015526	129.297272	121.634476	159.067108	36.041912
4.612113	0.761626	0.645128	0.780354	0.902917	1.085836
0.215426	0.03485	0.103034	0	0	0.069329
0.37804	0.997814	0	0.17703	0.149201	0.155576
148.193359	179.393341	136.315125	112.989838	144.997421	189.358231
11.608753	17.111107	25.372944	11.733327	19.605211	14.906388
21.953743	21.48119	36.117649	22.093914	26.017368	24.407763
71.770447	72.094231	74.034691	52.967007	67.883827	67.315132
33.463848	48.514194	29.824053	26.310772	36.598671	46.937889
62.00145	61.252262	57.460201	51.699005	52.814262	67.446068
9.595107	8.02	9.375881	7.399063	6.545693	9.392041
4.946609	4.544423	6.490181	3.664035	4.07075	3.387758
109.796112	95.474394	163.296967	99.010156	108.784847	70.686799
35.841526	29.519451	22.713123	21.353344	20.387733	33.950054

14.097727	15.23434	19.622686	16.170635	14.515184	17.602758
4.329628	3.996043	6.657408	4.353199	4.197003	4.191184
11.022601	10.484331	10.739635	9.422991	8.682531	12.253439
25.539577	19.795355	18.000494	11.792187	12.92821	27.029327
34.717354	34.228622	41.140705	28.193665	35.322132	38.194305
30.374076	27.772763	27.416756	18.869797	24.84543	31.360682
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5.25642	3.135245	7.1645	3.66725	4.601927	2.736551
35.14743	34.703648	34.216553	24.811651	28.858135	34.917881
11.069959	10.806049	8.097233	7.110483	9.390632	12.07171
8.426441	6.602959	6.011674	4.239872	4.760277	9.023782
102.859398	86.119301	61.416088	51.745247	45.331291	122.286774
169.426256	169.483398	199.208916	147.197784	167.587891	154.215515
31.2794	23.753876	32.718105	21.953766	29.766258	32.126492
7.69119	4.229636	3.429107	2.692509	0	0
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30.583235	30.01038	30.293037	20.349672	21.971186	30.928286
30.101406	25.53146	38.656944	26.714233	31.685478	24.871639
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21.507584	16.078815	19.629438	13.694833	14.597865	15.572896
46.660103	47.411015	40.492302	36.287209	37.659351	47.226242
17.753366	16.150328	21.669577	13.769148	15.599222	21.481876
189.886017	137.828247	166.027634	118.360031	142.991898	140.909149
30.751379	29.604239	31.838726	29.800064	30.708838	22.112978
4.972517	5.411677	6.754245	3.471723	4.927584	5.634579
10.60728	7.449017	9.47719	8.876974	8.960527	9.971182
23.765564	22.677782	24.167093	14.020701	17.956205	22.222218
9.098115	5.904373	8.2048	4.720792	6.247225	4.117082
17.167923	16.010189	15.058533	9.788477	11.424646	19.919483
9.514711	4.701037	3.068198	2.221929	3.2045	4.324245
6.396841	5.795163	7.061862	5.545548	6.150622	7.637899
12.90198	6.823939	18.459682	7.024406	17.005441	7.755205
0.906424	0.137282	0.037175	0	0.087121	0.438587
17.654633	14.132437	23.352915	14.905172	17.249871	10.878644
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44.972122	42.288177	34.156864	31.59889	32.956898	51.977676
13.555376	15.586302	10.873642	13.820884	10.624058	18.613262
11.764319	15.449983	13.375907	10.15852	12.919492	12.77317
18.528456	19.905808	22.265341	14.657963	19.787039	15.420655
5.690839	5.646071	8.22714	4.394476	6.761252	7.644511
11.37584	8.469621	7.4373	2.558952	4.977288	7.41276
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92.965279	71.87104	60.380157	50.903202	57.270741	89.289627
7.254564	3.433593	5.344453	3.633633	3.343455	29.667225
25.822348	17.220018	18.051153	15.264543	12.441416	16.12335
5.53153	4.16153	5.907902	4.01472	4.989801	3.737509
1.943359	2.340958	3.314138	2.406856	2.379815	2.175977
9.846849	6.197127	5.624163	2.110848	4.555172	3.055753
8.151367	13.035131	11.793139	7.257705	12.844378	11.804593
0.75204	0.222385	1.061403	0.530798	0.704909	0.447481
1.162465	0.974567	0.384352	0.29421	0.577434	2.054817
1.568949	1.967076	1.330541	0.699077	0.775427	2.925131
5.788461	3.378835	5.113795	3.311681	4.02408	2.944933
8.960818	6.757471	7.716789	5.515756	7.125415	5.587934
2.601452	1.988872	4.809199	2.649868	3.853075	2.469276
23.143492	17.899651	21.593899	13.72021	19.081528	16.631491
2.135364	2.424312	1.822924	1.430633	2.171825	2.573979
4.123367	2.889123	3.906639	2.824789	3.402078	2.14044
1.847141	1.374045	3.106687	2.296932	1.947587	1.506576
60.276459	43.627476	48.26062	49.077648	42.685745	59.08638
1.457655	1.12479	0.87677	0.639443	0.756185	1.22226
1.722921	2.049698	1.817799	1.010143	0.876308	3.478013
2.023603	1.96042	3.28132	1.750497	2.37314	2.120614
2.840724	2.022103	1.562159	0.397298	1.472552	4.839336
6.113068	3.562109	3.975716	2.758646	3.218108	4.197649
17.70717	14.064674	13.336922	10.083855	13.915381	21.479761
43.292877	44.399929	31.292042	26.359934	32.785248	39.352001
21.861349	22.892144	8.154343	5.116855	7.176009	20.330279
0.158541	1.683865	0.295703	0	0.707289	0
171.769485	12.549072	4.045173	3.829329	8.146242	134.451889
25.726889	23.734962	22.081125	14.630708	17.686422	26.975992
8.331201	7.142788	10.694683	7.523822	8.561068	6.785321
5.934412	5.988401	5.332687	3.344572	4.01682	5.76372
13.875301	17.607433	15.072206	8.801476	14.646516	14.561738
7.815897	6.112985	9.251041	3.862991	5.905474	7.291727
4.198756	4.661131	8.856009	3.610955	4.705746	3.079107
0.809506	0.405524	0.302886	0.366835	0.291768	0.340375
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24.702793	23.009401	23.187019	16.981838	21.133505	99.948593
3.469414	9.757731	2.474779	1.940364	3.91196	17.884281
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10.712544	8.906368	14.770161	9.624007	12.091705	9.54208
19.221606	21.925515	23.822777	13.672151	21.003061	21.728451
27.952403	29.634368	26.147987	25.306777	26.660593	34.249795
8.650734	6.454896	11.160084	4.808326	5.476413	8.05212
5.567782	4.259673	5.859006	3.914134	5.757099	11.515102

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13.650261	12.438396	16.367046	10.265795	13.286129	16.489269
1.225403	1.075197	2.160264	0.843938	1.029515	1.694975
0	0	0.121293	0	0	0
0.395623	0.634212	0.272652	0.138613	0.174181	0.442502
0.286931	0.378537	0.897691	1.249892	1.044299	0.197203
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0.0334	0.038183	0	0	0	0
4.133156	3.124642	6.641678	2.210395	4.599515	4.524202
15.642394	12.112854	20.715048	15.83708	15.013338	15.098972
21.028248	21.188639	20.933548	13.667288	17.478434	16.322057
5.843192	26.482761	9.231904	3.529631	5.006692	13.266288
7.889872	12.740872	6.661014	3.725883	5.939239	10.317095
11.617208	11.671797	9.310132	6.795741	7.66575	9.067577
1.672305	3.690136	1.348856	1.584833	2.170621	1.053083
5.646333	4.88782	2.833991	2.921653	2.154244	7.495354
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7.407416	9.015178	9.517338	4.832939	4.882814	12.760328
48.24337	41.057053	48.067005	50.319267	41.586674	58.548203
36.086357	29.720028	20.194683	11.578882	17.814823	54.519138
8.997673	8.453815	7.856153	4.272434	5.214849	30.170952
7.981216	7.553258	4.738362	3.121082	4.612902	6.831799
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81.457359	92.615189	58.063964	57.034016	75.918803	45.367786
22.238315	21.039462	10.956953	7.945614	11.404402	29.379324
32.824848	32.560993	33.143925	23.278038	27.501436	32.478725
35.830812	41.286306	29.790956	25.487927	27.042672	43.829409
4.509134	0	0	0	0	0
0.65476	0.799688	3.794763	1.085297	0.798045	0.83279
16.666733	15.358021	15.680022	9.59501	11.999266	14.302282
0.244499	0.126836	0.122921	0.248957	0.238106	0.024636
29.528001	25.056677	32.567097	24.007129	24.502985	31.659813
17.643812	19.951147	20.242815	13.811929	19.186298	18.050886
3.362811	2.732023	2.695943	1.522771	1.531114	3.64659
16.571803	15.579726	20.470463	13.066121	15.170461	16.500189
6.766344	6.237947	6.966186	3.630487	4.69976	8.0866
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14.435021	15.247331	18.449696	11.610669	15.227013	14.567705
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6.025464	5.368708	9.950678	5.458539	7.707771	4.792437
8.299355	3.898823	1.941972	0.886881	1.389736	3.860658
8.980592	7.96816	12.144788	6.960265	10.776217	10.782626
28.871809	23.753801	26.839859	17.416447	16.83214	22.819332
24.42618	24.07443	19.081463	14.686133	17.315434	21.869602
35.686085	36.505803	29.115799	17.150114	21.58588	31.418501

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3.417151	2.519861	3.908584	2.740567	1.787028	4.236921
7.234598	5.563547	8.826937	4.416918	6.44502	5.506602
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6.411817	5.911546	6.716244	7.967683	6.908307	8.626352
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15.429626	2.283483	1.019636	1.0953	0.565493	2.884614
5.880233	2.409128	2.101529	1.356288	1.846996	0.527101
7.016874	6.371702	9.741585	5.949374	8.969177	8.082493
3.363147	3.762585	6.017259	2.638824	3.892574	3.332914
3.218699	2.694054	4.069661	2.191001	3.91441	3.024915
0.052061	0.066955	0.489342	0.130661	0.151081	0.053042
0.287976	0.104918	0.062411	0.087281	0.047126	0.198625
9.873023	11.301064	10.14603	8.233037	9.730371	11.941228
8.828829	7.245372	11.164525	9.200555	7.786477	9.004244
4.341276	5.233213	6.196919	3.888759	3.732631	5.336242
5.324532	5.281345	5.000516	4.805101	4.123917	3.864785
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5.054157	4.412854	5.651052	3.02971	4.525259	4.786116
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1.652745	1.561996	4.585648	2.239042	2.195558	0.967931
38.965851	32.396671	25.077236	20.356493	18.964108	35.380474
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17.794619	14.690891	10.054501	9.894253	19.890696	17.638002
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8.475799	10.008722	15.38846	11.05191	14.240019	6.409786
13.815636	15.43532	21.593487	16.594427	20.933908	12.235309
5.694255	5.438128	8.021761	2.402647	6.867004	3.322464
0.172324	0.620007	0.616464	0.580533	0.4581	0.194433
0	0	0	0	0	0
0	0	0	0.036276	0	0
33.034088	26.628555	32.621136	22.439156	29.659036	25.144217
7.041841	8.090608	7.881118	4.817273	4.530862	12.181998
0.723213	0.372714	2.401101	0.638258	0.965558	0.902918
4.145995	5.910098	11.826519	2.216605	4.800096	3.521048
0.99616	0.848646	0.202179	0.681176	0.257372	1.460958
0	0	0	0	0	0

4.133963	3.379197	2.191702	1.533178	3.778944	2.286518
83.9776	73.145073	80.725891	56.607891	61.04665	81.525978
1.619297	2.626235	6.31664	1.989727	4.634341	2.195826
0.286182	1.23501	3.220666	0.349043	0.947366	0.108529
6.397075	10.706771	11.646815	4.535373	7.577682	7.168642
0.287222	0.399424	0.147983	0	0.277316	0.446096
0	0	0.120958	0.165469	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
14.433043	14.899774	17.201185	13.137139	14.121965	14.23629
0	14.903278	0	0.311352	0	5.286689
0	0	0	0	0	0
0.136101	0	0	0	0	0
0.186199	0.265533	0.05516	0.082557	0.064554	0.108969
0.76365	6.039005	0	0.529964	0.984988	0
6.853442	0.560393	0.690634	0.439405	5.966522	0.150315
1.6815	8.52856	7.511179	16.505709	46.613857	15.381848
23.038658	15.383269	22.597258	11.028768	17.050292	26.457698
0	0	0	0	0	0
0	0	0	0	0	0
1.111023	0	0	0	0	0
0	0	0	0	0.083201	0
0	0.079575	0.040625	0.056204	0.036632	0
0.154064	0.237624	0.147728	0.140166	0.12657	0
0.127034	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
10.861472	9.408903	13.858908	10.584274	12.682294	8.23448
0.594634	0.473067	0.61109	0.28676	0.311775	0.848463
21.254715	27.280069	30.548758	21.085108	27.379509	20.365904
1.569499	0.94984	1.651003	0.940487	1.204239	0.756851
2.851775	1.081857	2.546523	1.381092	1.363339	2.137349
4.315123	3.451706	3.322579	0.775773	1.039314	2.262934
0.028969	0	0	0.185573	0.031939	0
8.868025	8.336116	7.717484	5.366359	5.415752	10.177247
1.782758	0.902876	1.288079	0.451307	0.877892	0.142143
5.042702	4.754867	5.615295	3.388544	4.319726	5.012831
0.050153	0.020184	0	0.011619	0.010334	0.036259
0.031188	0	0	0	0	0
0.023097	0	0.024415	0	0	0
0.511028	0.306665	0.462858	0.388895	0.227981	0.273831
0	0.046667	0.038416	0.074462	0.208232	0.052878
0	0	0	0	0	0
0	0	0	0	0.009009	0

0	0	0.020225	0	0	0
0.030852	0.023379	0.049602	0	0.026758	0
0.015352	0	0.006769	0	0.010231	0
0.011036	0	0	0	0	0.026204
0	0.475449	0	0	0	0
0.975327	0.917349	1.222576	0.916063	0.877569	0.612315
27.770021	21.701128	11.745967	12.987291	12.740289	18.210773
39.700924	33.384239	35.170597	26.885332	31.876076	41.121586
25.753596	30.085816	24.885077	19.597378	21.244899	28.275279
4.161158	1.353672	0.67398	0.969624	1.092441	0.903224
18.856798	22.319576	21.13283	28.474081	25.168803	15.754745
80.191075	90.078966	42.169234	34.538274	48.916576	88.081179
16.044685	21.26659	21.964092	16.263721	19.956221	20.370834
2.377527	0.599939	1.291356	0	0.903155	0.627776
8.114724	5.637912	5.133876	4.922725	5.1523	6.638969
10.831682	12.736397	12.759389	10.304564	11.739403	10.273553
0.746386	0.576719	0.208977	0.150062	0.22006	0.661533
13.127926	11.863293	12.444514	12.143489	14.249946	8.766036
7.986904	4.444344	3.856138	1.019177	3.106786	4.713169
33.914698	29.453791	25.966677	27.896903	27.218352	27.17615
0.064089	0.054949	0.231905	0	0	0
0	0	0	0	0	0
17.674255	18.015608	14.733384	17.649006	21.064362	20.029205
13.695855	10.799159	9.569937	7.570803	8.161974	8.361059
41.625725	38.752205	35.40284	28.225349	38.624352	43.01466
18.475338	17.85957	19.953154	11.003904	14.989669	20.454338
3.23691	11.312862	3.604531	4.548767	4.170056	3.766759
11.304578	7.391101	10.453591	6.486177	9.748768	9.286196
26.09379	26.590872	24.991177	14.252019	22.678379	27.451857
82.919975	61.818295	53.294754	60.777172	46.675861	60.344894
3.893896	3.094106	5.553389	2.159761	4.163794	2.93013
7.516929	6.713901	9.086315	5.946221	4.814484	13.098766
6.775037	6.44016	6.996737	5.504316	5.77841	5.417172
49.98201	48.764239	49.004328	48.449634	38.652985	47.876604
52.957409	37.99654	28.444935	25.202114	21.063517	38.91647
19.645546	18.354057	16.667336	13.88253	15.890029	14.733276
5.10845	15.733343	9.270937	4.402997	6.288472	10.269572
12.631454	11.015312	12.861765	12.326728	12.074054	13.044194
16.82539	9.608575	7.591459	6.61403	8.459334	10.735429
3.600729	2.497994	4.984334	3.225421	3.580015	2.545068
0.727907	0.628771	0.927632	0.387395	0.505918	0.612621
26.789862	29.192488	15.352519	11.264682	16.373362	19.766899
15.69145	15.569092	10.603036	7.581054	10.892507	13.494572
15.085939	14.506459	19.428061	12.93675	12.738339	17.161095
22.184317	15.605321	27.090081	17.13724	21.729724	6.38515
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0	0	0	0	0	0
0.112843	0.099248	0.02114	0.029052	0.056997	0
73.673737	57.348789	59.526001	40.690418	46.052158	61.395969

84.290421	81.990623	79.286613	71.288811	71.24118	98.257507
25.143955	21.27771	12.147134	11.068985	11.070673	23.196384
2.578024	2.41693	3.644994	3.227703	3.403268	1.983201
9.480158	13.004421	14.612399	9.259437	13.580361	12.971219
0	0	0.079321	0	0	0
0.974708	7.910869	1.730252	1.39842	0.685512	34.397583
16.177675	11.1464	20.726894	11.861487	14.090665	15.809707
1.370127	1.123414	2.450146	0.628938	1.569336	1.258705
0.16521	0.650694	0	0.121022	0.221576	0.276654
31.522606	20.268541	15.94991	13.599792	18.426945	25.873138
0	0.614558	0	0	0.129364	0
1.406584	1.345668	1.853811	1.221395	1.326638	1.404461
0.061108	0.106941	0.5149	0.322144	0.224841	0.403408
10.786178	11.905316	11.662558	8.871508	9.633448	13.458017
22.129682	28.374469	60.988127	24.801999	36.499577	22.303352
12.382347	10.558173	14.281316	10.780493	10.415292	11.800396
40.770129	34.040614	33.556759	13.892453	26.545817	31.391836
0.151964	0	0.159392	0	0.152477	0.041106
6.061679	5.041481	8.571217	4.343053	7.887766	2.029003
4.115648	5.736524	8.479948	3.65928	4.45555	3.427132
14.182739	14.71386	17.750525	7.385482	11.748674	15.214701
6.773931	7.114566	6.229764	4.59681	6.687969	2.89396
0	0	0	0	0.099826	0
0.665241	0.38347	0.549644	0.436472	0.550359	0.215079
0.659681	0.245607	0	0.159146	0.327553	0
25.386006	32.794865	36.62075	24.532974	32.63057	41.539714
18.739677	22.287186	16.653494	12.121585	7.836857	19.44496
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31.956696	32.493134	31.642185	23.447966	29.83094	32.106224
33.537926	26.602156	30.637276	30.983297	25.562595	38.538113
5.899461	4.506524	3.310514	1.686699	2.650497	5.068155
0.766083	0.225982	0.28567	0.107853	0.261731	0.34206
7.967595	5.623435	12.348571	9.131242	9.526628	4.048458
5.919052	6.072901	7.146737	4.318824	6.561085	5.453059
4.408481	3.44075	3.72883	1.100302	1.735379	3.402352
2.877795	2.328469	4.156247	2.669422	2.87197	2.530303
7.448253	6.022741	4.01549	1.832282	2.760715	3.536075
0.07481	0	0.017689	0.033454	0	0
2.22375	1.635686	1.705254	1.046504	1.834767	1.466403
3.845731	3.382964	4.432706	2.97021	4.062396	3.31423
4.29282	4.315576	5.997777	2.796917	5.937216	2.967841
7.188497	5.505121	10.482239	7.951976	9.881701	7.298278
9.977818	10.905086	12.004236	6.608074	9.845948	13.217202
6.106284	5.685283	12.815802	8.042141	8.414063	4.972617
27.595484	30.637384	23.716057	15.761471	21.346514	32.100163
52.814213	68.181754	78.250466	45.765779	61.861114	58.658401
43.694958	53.556976	18.964859	10.631597	14.739902	36.711609
35.846394	23.061892	27.515562	10.888837	14.72641	23.373287
2.956626	3.440351	4.184887	1.965938	1.913146	7.351168

0.470163	1.194648	0.383037	0.120438	1.030275	0.292326
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9.662581	9.845078	8.439775	4.309416	5.88662	10.736641
11.372019	14.043766	8.802122	5.0076	5.813368	13.19482
7.495207	4.623288	5.99857	3.154948	3.255759	5.042595
1.157942	0.913743	1.438768	0.963207	0.999005	0.486037
3.607538	3.233074	3.578088	3.459024	4.211599	3.432465
2.195977	3.190221	3.132502	1.633142	2.727863	2.493949
6.265698	5.110963	10.563685	5.559443	8.678479	5.2009
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25.848579	23.703142	18.416977	10.627576	15.224998	20.038216
17.693817	16.748457	8.363312	7.646025	10.751713	13.36596
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4.039894	0.376766	0.683618	0.135112	1.328888	45.370049
34.589083	25.827001	51.772478	15.1319	21.878556	23.335573
1.268735	1.155975	4.428134	0.814053	0.394612	0.862563
2.308959	2.057736	0.77905	0.759712	1.815454	1.49789
19.092006	8.310656	22.507999	16.292596	8.792207	19.370372
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7.235182	2.632802	3.487105	2.182104	2.538942	2.907585
6.151432	5.412026	6.652931	2.899022	4.007823	6.559072
24.242226	17.39196	13.692595	15.551638	10.382383	29.32601
13.840577	11.892112	13.156199	11.547153	11.441893	15.284235
5.59162	5.70722	8.111973	6.051733	5.830027	4.954741
5.954367	5.172039	6.297712	3.962299	5.192373	6.341827
11.737743	10.584675	9.949351	8.992117	9.966232	10.445607
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57.759636	52.257534	47.287502	31.978249	38.325455	55.450798
101.440918	141.055862	88.126366	113.467308	107.604614	98.095253
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30.870771	29.344227	30.926155	17.380989	24.186859	32.520241
0.1893	0.912304	0.279055	0.17522	0.285654	11.917119
0.689422	0.05125	0.282613	0	0.070407	0.105863
32.675365	32.011044	32.884045	25.390486	35.637478	36.455837
17.718578	12.936459	19.263199	10.399882	13.310193	12.177576
20.721874	21.579222	20.109322	11.038758	15.430869	19.04784
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69.32103	16.341183	4.442277	4.64242	12.426094	4.886052
20.846907	24.276594	28.958504	22.032532	29.305861	21.788219
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2.056627	2.086091	2.48344	1.544491	2.360318	2.359699
2.779918	2.620186	3.95617	3.695346	3.729039	3.0972
129.240961	144.058324	108.686615	125.15263	97.0471	138.034322
0.493592	2.08154	0.037292	0.530491	0.251974	3.87473

1.60375	5.612795	0	0.428182	0.105595	1.023901
11.766845	10.46159	14.643402	9.035181	11.925731	8.869168
24.711744	20.053226	19.529618	14.83006	17.919781	21.956316
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0.075691	0.025959	0.076894	0	0.193149	0
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2.840517	0.881162	0.476454	0	0.924623	0
2.411926	2.359103	2.153041	1.447109	2.159693	6.486049
15.630505	13.271117	11.948059	7.962426	9.545291	10.012758
15.396364	9.812616	8.803549	5.607924	9.791857	10.039307
12.345641	9.872812	12.207511	9.026963	13.175306	11.009462
213.144072	248.043913	176.596777	187.600898	171.455558	200.519108
0.477881	0.085723	0.063357	0	0.069818	0.079783
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1.396941	0.495048	0.188783	0.110026	0.374479	0
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68.893707	64.981712	63.096523	66.464073	58.254185	72.33078
28.967653	33.725708	33.563835	23.429838	28.124958	35.381943
14.146591	13.901818	16.159017	10.678021	14.464657	15.723554
0.480239	0.176074	0.315411	0.272602	0.190587	0.239823
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3.293522	3.562654	2.377341	2.121881	1.537248	3.79161
24.285736	20.421696	16.989973	14.244227	16.293167	19.502012
18.082722	13.45896	12.476433	9.050601	12.770638	12.151385
2.818248	1.574858	1.601082	1.127224	1.490022	0.923851
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0.367595	1.818688	0.105644	0.609134	0.819315	5.462842
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5.461668	4.523991	8.298105	2.990256	4.307722	5.031564
0.126364	1.647168	0.210836	0.603002	1.141611	3.93766
0	0.028631	0	0.051663	0	0
8.026445	7.305179	14.361516	8.562463	10.98811	8.357092
167.114914	162.942108	153.53569	177.328659	162.646439	272.02124
6.845356	5.266613	6.550097	3.657434	4.963541	3.454651
7.643931	6.695724	9.707189	7.412931	7.068911	8.476308
10.743605	12.49349	9.444292	6.419949	7.927886	11.835123

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4.540869	4.891042	7.056219	4.955656	4.318556	7.532125
1.636864	0.627114	2.498	1.225958	0.752711	0.564242
6.199513	9.406298	11.098776	7.850725	9.733102	7.831943
50.538319	40.913708	32.729397	26.92071	32.962719	39.270321
14.076628	12.404969	18.129215	10.892322	10.582916	10.377906
0.739062	1.007524	1.319273	0.336443	0.976011	0.766639
0.061107	0.058942	0	0	0.100404	0.041878
11.078946	10.401141	10.995669	7.89147	9.480054	8.429854
49.799061	35.28751	58.864521	48.418781	61.17107	21.230032
5.204179	3.27005	2.840448	1.631476	2.240569	4.532384
6.645051	6.688756	8.347206	6.348702	7.967455	6.184889
136.318538	145.386165	101.141869	107.478767	90.655407	146.14227
0.057724	0	0	0	0	0.156846
0	0	0	0	0.048926	17.472134
1.225971	0.506262	0.929375	0.381118	0.801926	1.566754
0	0	0	0	0.093094	50.418846
2.65537	0.177251	0	0	0	0
21.984451	16.963583	21.756149	12.543484	16.7948	20.601522
9.94293	7.841582	9.84512	7.550364	6.824838	7.315998
16.632427	16.369635	24.819185	12.671758	16.761332	14.992594
6.069814	5.346731	6.530396	5.079592	3.070118	7.703707
43.818966	39.06443	48.041676	29.550079	52.461479	19.689194
3.858736	4.190827	4.553118	5.389446	6.130138	3.523022
18.476101	16.242685	20.29641	14.055786	17.147949	15.50015
29.376797	23.304104	19.985256	19.553019	17.534157	32.80254
1.50669	0.074195	0.189644	0	0.143284	0.292826
14.844278	13.064568	7.74639	4.598772	5.223574	14.856799
0	0	0.176486	0.048899	0	0
5.559453	4.734137	3.735282	3.071096	4.797007	5.868469
4.525084	3.823302	6.884032	3.864286	3.638753	5.742218
7.394104	7.760327	8.152708	5.450435	6.471822	9.008681
4.900015	4.580915	3.626991	2.294527	6.150609	4.562791
0	0	0	0	0	0
10.460881	7.866925	4.338236	3.591231	4.800897	3.711743
7.403126	4.771442	1.931574	0.857299	3.252862	2.88437
0.216381	0	0	0	0	0.118738
0.747813	0.095852	0.025579	0	0.185095	0.216797
4.469107	3.401682	3.497947	1.993887	3.146881	4.597136
20.506886	14.165133	14.33404	10.169547	11.052139	14.328068
10.900754	16.567192	23.993591	26.862761	36.802631	16.615849
14.589302	18.679226	20.958508	17.084635	20.622849	22.431669
77.828445	69.338684	67.676285	42.99313	61.915344	77.120125
14.694248	12.161508	14.869131	7.225322	11.068194	14.201998
3.185251	1.419416	1.042211	0.501001	0.707148	1.032366
1.148577	1.884921	1.331614	1.595834	2.278165	2.502532
49.864248	45.007284	40.821335	36.092834	33.131156	50.173203
0.037035	0	0	0	0.00921	0
0	0	0	0	0	0

0	0	0	0	0	0
0	0	0	0	0	0
25.130137	25.647885	48.886991	29.107393	36.692345	25.913153
11.950011	12.921036	20.696865	13.140766	18.373117	13.324839
7.524818	7.387625	14.461406	6.367023	9.781374	7.714795
0	0	0	0	0	0
14.075887	11.636281	16.981315	10.339958	14.217236	12.652012
0	0	0	0	0	0
0	0	0	0	0	0
10.752295	8.664269	11.357151	8.006118	9.932221	8.393922
91.036697	64.057457	40.876289	28.263725	28.300301	87.287636
23.368223	21.64176	27.684231	18.128681	23.181862	25.061146
0	0	0	0	0	0
64.198952	46.674612	46.20034	50.234453	46.103001	54.301913
18.542414	18.634039	22.633373	17.995989	19.03903	25.464903
25.512142	21.160254	26.135977	15.581396	20.597189	18.643812
0.354579	0.289624	0.728187	0.364121	0.309047	0.155244
11.069297	18.389166	24.245945	21.143362	14.600851	13.928748
114.541496	118.080727	75.850639	77.442543	75.00663	115.028328
58.328802	32.845529	21.934885	21.836078	29.728961	34.370242
178.522664	161.640991	128.541184	108.075996	120.914704	155.410404
0	0	0	0	0	0
7.07209	5.676098	6.734509	5.224049	6.041037	9.932218
44.202023	37.633892	40.716366	28.958548	33.495247	54.035
108.758152	100.505085	108.5514	77.083286	90.431218	136.309071
7.053481	3.683215	4.370183	4.668451	4.730068	3.704639
41.880985	37.54776	49.258652	52.073376	41.19223	44.060017
6.881526	6.580296	8.467097	5.743429	8.078582	4.829679
6.483093	4.666351	7.233784	5.052858	7.250299	3.437975
7.649017	7.003436	10.347528	7.1538	10.50316	8.415482
4.486672	6.407893	9.469662	8.933311	8.484948	9.022202
0	0	0	0	0	0
5.953154	3.389047	3.593966	2.380111	3.63513	4.208943
0	0	0	0	0	0
0.292433	0	0.195189	0	0.24945	0
0.043915	0.104816	0.04823	0	0.087512	0.030063
2.109004	1.373023	2.841982	1.638318	2.029442	0.823026
12.896757	13.633344	24.804037	13.246085	19.863523	11.902258
2.036369	1.978088	3.49068	2.442959	2.596815	1.646593
0	0	0	0	0	0
0.62609	0.2819	0	0	0	0
1.430886	2.125049	3.697536	1.769474	2.083848	1.483488
0	0	0	0	0	0
0	0	1.722931	0	0.447939	0.50956
0	0	0	0	0	0
19.911747	16.100702	11.772001	13.426727	12.424164	17.404638
0	0	0	0	0	0
4.281351	3.301334	1.645849	0.264498	2.381013	2.779373
0	0	0	0	0	0

0	0	0	0	0	0
0	0	0	0	0	0
3.464436	4.900281	3.034856	1.103	2.403892	3.759344
0	0	0	0	0	0
2.621965	0.008131	5.04908	0	0.071808	0.207989
0.504851	0.240648	0.243862	0	0.276093	0.191927
0	0.10588	0	0	0	0
0.307846	0.603448	0.170671	0.358367	0.328051	0.348162
0	0	0	0	0	0
0.307862	0	0	0	0.074869	0
0	0	0.313672	0.830056	1.277638	0
3.362189	1.750902	5.786835	3.01678	3.548299	1.500493
0.931813	0.749832	0.906009	0.835031	0.910648	0.416914
10.489627	7.893002	9.626393	4.011037	5.197507	9.984836
0	0.097705	0.068909	0	0.033305	0.199729
0.305909	0	0	0.087734	0	0.119249
6.765984	6.942932	10.12339	10.290346	8.136292	6.476297
0.400869	0.49997	1.212272	0.296178	0.671591	0.646592
1.653017	1.642959	0.876442	1.386741	1.785277	1.893019
0.822031	1.638475	0.36952	0.824285	0.132563	0.420753
0.672179	0.914222	2.236974	1.34014	2.136094	0.77129
0	0.096498	0	0	0.312916	0.334406
4.025638	6.189283	3.350743	2.214461	2.651749	1.755723
7.131464	18.848624	13.089476	11.349969	12.608205	18.34986
4.371523	3.272684	4.745608	1.681729	1.463751	5.16124
6.901702	4.656928	6.369804	3.4902	6.06557	5.609539
37.3853	31.199728	34.779175	20.406998	24.352726	37.945713
14.004627	11.692712	15.60775	12.035044	11.287159	12.449237
13.76142	8.656622	11.40048	6.532921	9.396807	11.760195
2.209392	1.483129	2.609748	0.996002	1.189573	2.208949
12.067232	14.755728	17.194271	9.701135	13.416608	18.31299
0.607445	0.384803	0.972804	0	0.939904	0
0.240534	0.267643	0	0	0	0
0	0	0	0	0	0
0	0	0	0.184806	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0.708828	0.357774	0.316579	0.254623	0.149992	0.488116
0	0	0	0	0	0
0	0	0	0	0	0
1.168368	0.52094	0.693325	0.282397	0.45925	0.346651
0	0.086485	0	0	0	0
0	0	0	0	0	0
1.505016	1.478954	2.746662	0.830677	2.18892	2.266148
19.201841	15.792085	20.53549	13.347031	14.78713	15.006662
8.991546	9.364019	17.012374	11.363967	12.75298	7.314034
0	0	0	0	0	0
2.653714	1.596014	1.472939	0.549971	1.715336	1.066147

16.112625	11.495914	15.825893	11.033834	13.380768	15.324608
0.066741	0	0.463036	0.060085	0.372828	0
49.253906	51.353142	58.413681	59.198792	52.004234	59.843113
77.470078	108.671776	58.98106	33.233315	24.261187	165.652222
38.260872	54.657379	34.233002	17.935328	12.76794	82.012817
1.75664	1.657024	0.696391	0.422776	0.552545	2.280097
0.015904	0	0	0	0.022248	0.029933
80.360031	79.963203	42.755272	24.902706	19.939863	119.794746
269.809052	354.671844	198.486298	104.035011	83.719391	520.210449
0	0	0	0	0	0
0	0	1.874664	0.425539	0	0
0.624583	1.037324	0.647565	1.956163	0.40637	0.518586
1.768944	1.843668	1.914985	1.374459	1.287831	1.681593
8.767359	7.92668	8.955326	4.915877	4.63798	8.484119
3.611928	0.44827	1.460138	0.551322	0.447285	0.666763
0.150039	0	0.01994	0	0	0
0.855842	0.20776	0.29502	0	0.059407	0.113842
0.666903	1.313149	2.465996	0.982752	2.628372	0.441284
8.103786	6.621996	2.016534	1.497885	2.66718	3.92431
32.761848	30.167215	24.269604	16.91589	19.319134	40.001934
29.102261	41.074718	20.521935	15.960509	20.028387	39.174545
12.456125	9.950578	6.567237	4.708421	6.428728	9.92863
17.146616	15.385648	13.332932	9.44584	10.952004	16.348833
16.381531	21.85354	18.499775	13.8609	22.228462	17.568909
20.441834	22.392693	14.422663	11.157987	15.140573	21.073721
0	0	0	0	0.355882	0
63.932896	92.182266	88.456429	77.964523	74.469673	91.409126
1.388565	1.869664	1.898266	0.854779	1.018504	1.826088
19.148532	26.311982	29.162503	26.691007	29.530757	12.151257
3.859538	5.990395	8.79149	6.134806	5.71881	2.344133
51.577915	68.635071	66.835106	67.325073	54.129852	66.518654
28.812128	37.25819	38.629936	24.464109	23.999748	34.816154
35.64439	38.633993	45.410979	39.76037	40.149536	39.085395
0.615524	0	0	0	0	3.953226
432.709121	530.245232	538.099999	377.82486	603.785706	361.993706
1.496682	0	0.061351	0.06366	0.041491	0.286306
25.391132	16.375853	9.827394	9.479705	18.765852	15.880288
17.456327	15.929219	13.214509	10.994797	11.454567	18.167358
7.540469	7.927523	8.449022	4.656713	4.984691	13.445343
0	0	0	0	0	0
0.089335	0.152338	0.010516	0.074736	0.073066	0.070567
2.090591	1.092934	0.775843	0.83855	0.406694	0.571586
0	0	0	0	0	0
0.2417	0.024021	0.138947	0	0.11772	0
8.687717	9.028019	8.858436	7.432423	9.227644	7.639865
15.073514	14.728179	20.963056	14.469112	19.363283	15.331131
0.061347	0	0	0	0	0
18.903332	16.747919	14.057602	10.223992	14.782361	16.429281
24.544594	31.456823	27.550636	20.744125	28.517014	26.31016

5.89972	4.986963	5.511477	3.131732	4.536266	4.53674
207.145386	292.389557	207.060928	208.847519	217.231583	291.681732
2.107762	2.728299	3.983195	3.307362	4.364297	1.773709
2.249999	0.284466	0.753952	0.195323	1.173746	1.918003
0	0	0	0	0	3.637886
0	0	0	0	0	1.459286
5.627531	2.913928	1.780306	0.920225	3.160004	1.281353
1.608377	0.801145	1.089497	0.887051	1.731359	0.700522
4.55863	3.121484	4.13981	2.456052	3.663452	2.592693
6.159144	4.404283	6.058676	5.558614	5.774498	4.160429
21.175711	16.628502	15.082788	14.919821	12.191966	16.605503
3048.364258	4271.013184	6423.076172	6173.668945	5433.611816	3808.651367
45.714752	0	0	0	0.14536	0
547.93158	759.780762	1031.166504	1254.692017	1032.170898	728.866333
122.127835	150.542532	136.901157	153.119664	140.134143	140.75843
62.859306	62.400269	42.75993	54.62801	44.319828	72.430397
441.417999	483.453278	439.30191	450.055878	418.016541	464.900208
557.004089	713.164185	921.744812	689.908569	757.364075	640.573608
7.491249	5.608658	10.640213	5.964575	6.924942	6.420485
20.862717	21.352577	16.239285	15.792255	16.77969	17.673391
6.425331	6.57677	4.223801	3.955011	4.348485	5.882863
6.604302	5.453447	4.92906	3.776373	4.215352	6.086713
0	0	0	0	0	0
0	0	0	0	0	0
0.355124	0.739491	1.240117	0.86645	0.142302	1.062983
0.059194	0	0.193146	0	0	0.182959
5.640504	6.202094	5.021574	3.595443	4.054229	6.797974
1.268904	0.973381	0.991751	1.077145	0.400676	1.183867
0	0	0	0	0	0
0.065328	0.069828	0.10666	0.04416	0.048088	0
0	0	0	0	0	0
2.201869	1.136432	2.967869	1.956699	1.746942	1.81396
0	0	0	0	0	0
0.395074	0	0	0	0	0
0.33039	0.151896	0.089392	0.055435	0.076778	0.091004
19.230177	30.483171	47.330185	29.976252	38.908447	23.364235
75.752611	75.809303	45.958117	42.564437	65.768824	50.624175
0	0	0	0	0.047215	0
0.344243	0.850428	0.148788	0.748776	1.390623	0.233614
0	0	0	0	0	0
0.294771	0.180524	0	0	0	0.201114
89.15551	63.888241	44.771713	29.353291	43.857048	78.068665
22.356739	60.958839	48.61533	46.200779	50.250011	46.287426
2.393095	2.894646	1.704424	1.081977	2.346415	1.627873
0.960956	0.752051	1.166054	1.03214	1.18125	1.34614
9.158521	9.070889	17.268936	8.645473	14.903241	13.47718
9.36782	8.092259	8.123883	4.767795	7.415161	3.666866
26.284834	38.420765	30.727919	20.711266	23.889139	30.253244
15.654284	14.350017	13.642226	7.861111	9.359445	14.761522

1.746537	0.796491	0.91171	0.326269	0.779031	1.455119
9.68361	6.250191	7.241335	4.995941	6.382315	7.40341
0.968405	0.550974	0.304852	0.116085	0.269976	0.67455
1.978088	1.285501	0.413932	0.064105	0.396365	0.629874
4.156625	4.921458	5.338314	3.370749	4.938897	6.477982
48.403305	43.386063	35.449989	25.592413	28.172203	50.510384
0.301671	0.171337	1.212162	0.254728	0.218924	0.118276
0	0	0	0	0	0
0	0	0.041007	0.028367	0	0.038557
0	0	0	0	0	0
31.755533	13.957496	13.184053	12.211293	26.345559	15.917661
2.449252	1.527624	2.302193	0.607632	1.048999	2.270861
0.356408	0.314291	0.067401	0.057032	0.147736	0.084875
3.510228	9.669415	1.595639	4.443935	4.001758	1.694252
26.752052	33.477173	46.136715	38.045574	53.094147	24.286121
26.595985	26.236383	27.216684	17.060404	21.360647	26.619848
37.918625	72.497002	84.283257	73.429306	109.861549	63.841682
45.148376	39.829067	31.079399	23.397224	40.138481	18.808437
12.92294	13.651626	8.145178	6.243803	13.007213	8.301346
2.925972	3.091053	3.764164	2.352771	3.921243	2.643095
0.07239	0	0	0	0	0
2.411763	2.939159	4.061356	2.371414	4.068826	3.051113
31.593063	19.294948	14.332959	5.85014	13.808464	21.503604
54.167377	44.117397	33.836143	22.409023	31.681936	47.424419
48.668667	50.538227	53.760975	27.911694	46.451275	43.46516
3.741844	2.969258	0.961565	0.521501	1.368557	1.931444
41.121506	18.813339	18.71225	9.221614	14.392043	29.597378
0.051978	0.523494	0	0.311927	0.051015	0.329569
1.00739	3.628863	1.926204	2.269428	1.811557	4.600315
11.826367	11.985152	17.635629	9.145231	12.854024	10.750329
49.603657	50.208096	64.713665	41.866888	47.861798	46.559725
30.942182	29.667286	18.283516	14.339328	18.366564	27.196667
26.634666	23.091841	36.511337	17.009985	26.906183	20.321188
10.566483	10.185567	10.320686	7.057129	9.263261	8.793958
1.829145	2.466969	1.339431	1.06946	1.985239	1.27279
1.231063	1.679208	1.131858	0.640565	1.920692	0.457077
426.6987	465.583588	399.28891	482.629913	440.04007	465.442963
36.891609	27.17985	26.350744	22.565828	22.906353	34.152691
23.805422	17.349491	17.501787	13.869226	12.657584	30.542082
126.458092	118.016464	130.56958	149.54567	108.470726	120.946747
65.359291	53.912121	42.700367	47.859539	50.109955	53.829685
35.089024	30.886099	43.938477	40.895737	37.619473	38.366222
16.72595	11.289588	12.492604	8.626456	11.836238	14.99564
9.300374	5.112468	4.687202	2.992624	3.402156	6.859084
6.306998	5.230149	6.307223	3.782945	6.222447	4.9957
5.588351	3.975252	7.8267	4.850964	5.960345	4.616112
22.498295	19.286699	21.530296	13.210113	14.251307	24.203197
20.705194	26.16659	34.153198	27.970814	29.39307	29.295788
15.057882	12.298028	11.366347	13.787342	11.102546	20.541675

21.253941	17.548676	12.131404	9.143601	13.086482	14.960764
34.045364	30.879425	31.414654	22.964079	23.952665	37.851128
19.58542	23.04894	28.329024	26.490114	26.455798	27.038465
58.021641	56.377514	48.867558	60.79509	43.49575	79.944221
120.93869	79.081924	72.565918	93.985435	79.808311	100.938156
37.963711	37.308693	33.954128	28.960669	31.494734	48.579136
17.903135	10.108571	7.765067	7.368931	0	0
75.356697	57.43758	69.384384	54.961365	57.02243	57.010963
92.172417	87.098335	80.975037	53.287685	66.732513	108.611275
63.583309	64.082092	79.40583	66.684784	64.243103	72.267326
116.54628	131.678345	126.970985	109.987831	104.989098	146.430328
124.510094	112.253265	144.47377	188.394775	122.795952	127.742401
129.279877	136.757187	156.063339	130.049454	151.837524	137.702423
113.81678	137.349365	115.819603	106.736107	103.533356	138.144028
215.95372	259.136444	356.967468	363.528107	350.158295	260.652466
233.07901	267.357422	264.146606	280.715576	262.024994	267.954712
1.860587	5.427133	3.598142	3.936987	0.014344	2.675271
23.201834	10.88171	8.907699	9.324042	13.590302	8.820445
228.253978	291.896589	282.345285	309.261903	272.167462	267.149329
72.067413	73.167694	78.727737	59.330906	64.247719	85.129997
98.790443	111.053268	155.851868	184.160324	141.144165	120.274368
393.405686	354.912602	360.764225	285.419075	326.661308	461.443191
144.497677	137.998337	135.603702	171.701078	151.95187	113.528294
93.50441	88.145226	72.943344	55.051186	67.081932	108.261353
112.298317	135.148972	187.189835	136.555389	152.376541	119.453941
39.803322	35.619514	32.769669	31.131048	29.894264	40.698212
0	0	0	0	0	0
47.749116	42.872174	41.27164	41.465602	39.15761	50.461909
10.872518	6.536464	3.365328	3.383824	3.27533	4.35753
149.585236	211.190094	206.56424	182.187714	207.09845	180.099457
18.366098	18.520336	22.108862	11.498036	16.005796	17.394228
21.967052	20.094334	17.247978	12.229305	12.735046	21.827188
15.423765	13.975196	18.223506	10.369396	14.263372	15.789127
86.659821	87.410706	83.945274	47.341667	63.34063	93.175972
90.939438	73.006273	71.121661	44.335137	47.616614	88.388601
21.124765	14.804234	21.849643	11.53679	13.306314	12.593383
132.831039	129.029221	113.13308	78.573631	93.891563	134.458755
81.405319	59.012756	52.008324	56.203861	55.12191	63.464573
846.77209	859.486863	608.898928	523.041494	535.502709	1005.509056
0.952851	1.17101	1.160328	0.992346	1.064012	1.071108
49.664616	37.7635	25.577625	29.956303	29.98604	30.828209
118.428001	114.434647	80.198662	63.093319	71.016541	141.992081
3.69747	3.092361	3.639113	1.977112	2.51259	2.842159
12.198217	9.937653	12.086064	7.205691	9.198475	12.916985
2.013683	0.779198	0	0	5.972352	0.169104
17.216984	17.22789	16.22027	12.702159	13.063927	18.310829
0	0	0	0	0.036134	0
0.148521	0.129638	0.021944	0	0.0835	0
0	0	0	0	0	0

3.809222	2.481924	2.978478	1.941272	2.483758	4.402324
12.454405	3.612952	6.446599	8.340936	4.012882	5.405046
8.153198	3.724716	12.058811	7.40978	11.278908	10.870427
0.183435	2.552463	0	0.866328	1.450168	25.169918
14.210681	12.053231	15.278432	7.757539	12.598664	10.646203
0	0	0	0	0	0
1.676926	1.354605	0.659632	0.59044	0.713703	0.648346
0.075264	0.093667	0.056732	0	0	0
7.929367	10.021523	9.647221	5.950212	7.866537	8.816553
21.920733	18.271997	29.251603	20.140139	21.023771	19.489859
3.678625	4.539422	8.291902	5.102592	6.218931	4.41457
15.780265	16.489693	27.27359	15.604937	23.347689	15.388262
12.108779	10.099898	9.845337	11.102616	10.844887	13.208174
0.273847	0.155721	0.181873	0.315435	0	0.468531
4.939664	1.766972	2.918642	0.655225	1.592972	3.25524
5.000555	5.134887	20.447151	5.34097	6.270209	6.656999
1.3081	1.631417	1.969577	0.771941	1.540842	3.669942
0	0	0	0	0	0
2.235769	2.436271	2.922662	1.88737	2.944725	2.291882
5.595518	4.759835	4.752772	2.974829	5.119774	5.868268
6.567556	5.884541	9.814531	4.844979	7.243015	2.672183
18.133291	29.691404	11.018709	11.312243	18.980566	40.987938
51.889423	53.240559	47.248413	31.088633	42.734974	56.743431
44.052446	40.178035	32.479027	15.523717	22.424787	38.669054
0.567606	3.862714	0.12937	0.462406	0.653781	0.364556
0.37755	5.337014	0	0	0	0
2.228662	0.701626	0.862057	1.082801	0.798603	1.120038
25.560389	29.278292	17.800795	15.61499	17.83112	26.232031
4.334892	3.700667	4.356138	1.502264	2.533327	4.811315
0.237285	0.335455	0.111317	0.140346	0.123304	1.293239
22.028111	24.592039	32.806656	21.119104	21.823561	25.442654
18.716483	16.455634	21.968475	15.506775	14.697558	19.579687
0.982994	1.190252	1.129987	1.063654	0.800765	1.27335
40.487385	43.242993	43.949766	34.060903	37.007836	46.494232
6.488491	5.454771	5.23454	4.568013	4.34494	6.437105
21.062536	16.035818	13.346257	8.504841	10.093903	12.460841
13.41061	12.425694	10.354895	7.130836	8.380893	12.096525
54.306755	56.488007	46.541538	33.778168	40.116882	54.915188
31.42186	21.108568	21.309986	19.207888	17.435375	23.834148
69.601242	62.212368	56.715565	47.299908	56.64114	76.255859
48.03875	48.964859	57.460896	42.360489	52.642563	60.614868
89.050401	80.459233	52.236382	53.584931	53.794743	77.237205
83.831856	82.472366	59.318859	55.947361	58.248581	88.575066
15.259145	17.713154	13.661503	8.938542	9.213014	18.056787
13.345464	4.538784	10.198787	6.624715	6.810314	14.695851
9.41565	10.088152	7.175835	7.008153	6.944165	10.22941
13.604241	8.282432	4.280255	6.541119	9.067779	6.745054
41.141609	41.657867	43.86937	43.8629	44.1703	53.776432
6.274192	4.714728	4.856896	2.393936	3.531414	4.026538

2.838896	3.964143	3.383391	1.2415	2.159598	3.598005
143.186554	146.242737	118.818718	125.842583	117.12706	179.485489
1.487561	1.500041	1.047489	0.700104	2.098647	1.326091
43.219841	53.685635	40.072578	24.615025	58.358837	27.180479
46.284637	65.614418	50.451271	35.858658	46.613445	36.965618
0.064089	0	0	0	0	0
29.208284	32.121117	45.897025	25.258469	36.698598	29.675165
6.148568	5.892882	6.604553	4.65949	5.790266	4.337404
16.304861	14.574425	22.074413	9.32342	14.818413	14.688943
9.927419	9.919428	9.985	8.050659	9.592848	4.08835
0.925913	0.671825	1.593077	1.146045	0.752129	0.652038
0.153774	0.206995	0.276263	0.1545	0.340872	0.094646
217.363311	244.070908	295.006664	58.841711	65.221785	59.383572
10.932011	18.484459	20.654408	14.743878	23.734184	16.434465
292.238138	249.817626	204.104014	145.752565	158.475062	264.530564
0	0	0	0	0	0
0.661395	0	0.411007	0	0	0.139727
0.271168	0	0	0	0	0
1.472162	0	0.335162	0	0.116447	0.284268
0	0	0	0	0	0
2.752547	0.712749	0.328078	0.406222	0.543541	1.296711
0	0	0	0	0	0
17.658573	16.340273	16.314798	13.292887	17.976851	11.879708
9.566114	7.938891	8.034587	3.153074	6.77044	13.090343
8.587434	10.867837	11.136386	10.990037	12.338258	12.739367
0.881976	0.503289	0.229334	0.126067	0.385565	0.301593
2.683206	2.879649	7.080698	3.987009	4.817049	2.336853
23.220468	15.384739	7.681339	4.581103	9.906119	9.636436
2.532197	2.177626	2.870797	1.241964	1.938337	1.460822
3.049292	6.115217	0.706501	0.907269	1.375151	1.651271
15.945733	17.895613	19.750921	12.036084	16.488018	18.6702
0.885819	0	0	0.444642	0.311094	0.777375
268.100098	384.375244	428.848145	365.563019	405.281952	355.587463
148.530603	214.671627	248.966295	214.550908	226.216763	199.523614
16.490932	16.854354	50.383117	54.41999	81.454612	2.922164
150.076058	98.892414	99.910733	62.559896	53.147808	88.73965
0.08883	0.075146	0.235774	0	0.114696	0.222223
11.746686	11.193274	7.275993	5.412741	7.05034	13.033938
0.456882	0.183073	0.230238	0.083568	0.421271	0.26277
2.276145	2.080009	2.609592	2.043287	1.958593	2.040943
0.644245	1.568903	0.490731	0.338252	0.407749	14.689669
6.519531	5.624299	5.013741	4.40432	8.424382	4.204737
1.5743	2.929487	0.289523	0.430812	0.595648	0
5.239989	4.284086	2.820374	0.852356	3.22853	48.517586
2.583776	1.788187	2.122922	1.346282	1.706965	1.597448
1.795427	3.729687	1.945395	1.405918	2.75713	2.777523
0	0	0	0	0.168104	0
0	0	0	0	0	8.668552
70.708656	66.112465	75.559519	57.574278	62.983037	71.365498

0.206466	0.308447	0.17856	0	0.070711	0.155964
8.168023	7.651782	10.678743	5.103548	8.066894	8.253095
11.085453	5.310509	4.799944	2.303074	4.081421	6.059941
4.783152	2.768264	1.971943	0.983273	2.83869	3.099203
0.240151	0.056384	0.32914	0.088124	0.778851	0.120182
19.611622	15.573572	23.070828	0	20.99808	0
5.220756	7.352549	2.692315	1.941023	3.171545	6.791803
9.961816	8.983976	8.615623	5.034801	6.119217	8.519737
4.333932	2.554636	2.56052	1.486434	2.783529	4.957972
0.097566	1.185739	0	0.13192	0	9.439534
26.038132	18.984863	18.297415	14.243037	16.217196	21.921679
5.556594	3.481088	4.736557	2.565609	3.266057	5.452771
0.778723	1.298942	0.059386	0.08216	0.111381	0.111488
6.369944	5.338244	7.638555	3.707533	6.588857	5.138833
8.404955	6.717606	9.278093	5.520924	7.1078	5.83412
13.479723	8.446842	4.471699	3.494797	5.745008	4.375815
6.26624	7.757911	7.393026	7.249107	6.756211	8.110598
5.347331	9.585729	11.011149	5.782435	5.771545	5.319958
45.916733	42.49073	45.209629	39.323956	50.290958	40.988499
2.633475	0.671441	0.433966	0.339054	0.512704	7.516183
1.258273	0.472462	0.812697	0.117505	0.365289	0.37686
83.496643	81.657677	144.663622	173.697014	147.846333	92.704887
1.140559	3.532237	3.2235	1.984061	2.228452	12.209451
0.434046	1.264161	0.672074	0.698222	1.155581	0.788542
0	0	0	0	0	0
13.300547	11.300083	13.103825	9.115376	10.542609	12.717865
6.76028	5.411222	8.69334	6.379657	8.046268	7.594351
0.734641	5.799149	0	0.656062	0.288604	126.339668
15.829489	14.132114	14.814237	13.27498	15.361565	19.407196
1.649896	1.591541	2.921618	1.563575	2.330644	1.519585
0.178424	0	0	0	0.173951	0
0.654393	1.32826	0.371387	0.210635	0.441444	4.534064
0	0	0	0	0.043155	0
42.046093	47.527283	40.348106	24.20215	22.372007	40.319614
4.036129	1.267344	0.74468	0.417912	0.199479	0.930318
0.652305	0.500778	0.34395	0.177501	0.595576	0.167508
0	0	0	0	0	0
0	0	0	0	0	0
0.366893	0.557399	0.040856	0.056523	0.132475	0.076418
0.06451	0.094765	0.11531	0	0	0
0.475781	0.125302	0.035779	0	0.111466	0.221643
1.506118	0.777878	1.3771	1.076316	0.728684	0.792496
3.817372	3.410918	3.400753	1.904247	3.670325	2.497388
11.90482	13.643547	13.455195	10.676984	16.117622	11.513151
4.531235	13.084236	21.278214	9.703841	20.177011	8.481647
28.782307	55.39793	16.888525	13.765346	21.183212	16.557182
6.30497	22.223118	3.929104	4.483843	4.290275	29.209765
0	0.13487	0.045049	0	0.06052	0
0	0	0	0	0	0

1.659654	0.19957	0.616654	0.890367	1.652475	0
4.006256	3.823649	7.054011	3.997497	3.743296	3.449967
77.585403	71.602927	71.557447	41.993226	52.41012	66.878408
14.076752	22.510726	25.574577	18.329386	25.241274	15.864683
0	0.181883	0.042413	0	0.140408	0
0	0	0	0	0	0
1.323193	0.706446	1.976205	0.968318	2.15881	1.45015
0	0	0	0	0	0
0.270528	0.856163	1.182423	0.61287	0.635016	0.748447
40.33931	36.231167	34.122974	33.15366	32.827435	39.394676
22.70512	16.181632	22.387413	15.764502	16.5733	19.565531
20.099386	18.404106	30.075811	18.110643	23.548216	18.498485
15.557081	12.265316	24.101978	13.315709	15.513017	21.588882
0	0.183085	0	0	0.038573	0
4.283913	10.355398	20.041746	9.53137	12.568512	20.939745
0	0	0	0	0	21.057577
16.679748	6.373014	4.09555	2.120015	4.1729	9.10396
10.813859	9.182107	9.913036	6.097573	7.47098	11.545571
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
11.287849	9.518469	10.420079	6.764746	8.600892	11.285993
7.017149	5.257806	4.663563	4.337079	4.245832	6.473016
0	0	0	0	0	0
6.75796	8.314955	11.826835	6.177721	9.503111	10.910305
9.342385	5.460135	12.263608	12.033807	13.600257	9.044132
0.05647	1.43286	0.172143	0.207279	0.448592	7.370533
0	0	0	0	0	0
2.890958	3.485835	3.519094	2.510189	3.284784	2.79413
0.684897	0.904206	1.356913	1.317137	0.999005	0.883435
27.457854	27.27603	32.054921	22.413207	24.951871	34.549907
11.304811	9.219151	12.621369	8.053487	9.693887	9.753325
17.647617	14.368285	13.217621	8.423645	11.653059	16.856495
2.721555	2.148263	3.078401	1.793668	1.744481	1.866103
7.793209	5.251897	7.209646	4.350362	5.878465	5.358468
2.85211	2.546181	4.406927	2.465538	3.003178	1.957161
3.537756	2.636577	1.75581	1.281826	1.307431	3.106083
3.530195	2.817556	5.42843	2.809577	3.335659	4.077187
5.194717	3.558587	3.635391	2.23329	2.750335	4.995363
152.18837	162.202576	197.0336	189.672989	190.564545	82.891136
6.938315	6.147909	4.126297	4.910452	5.903334	8.346701
16.479639	18.965012	22.210135	13.30597	18.095037	18.965389
5.215745	2.635303	2.429594	1.440483	2.07446	2.300181
50.195671	63.098236	66.462914	44.429707	53.982109	65.634995
26.477464	19.479218	16.559072	20.016301	23.504139	25.278097
125.959358	150.993774	128.592514	115.891144	142.535904	147.188965
188.859253	179.100754	168.087875	162.927048	125.306595	227.404755
7.626882	7.172779	9.125053	6.0064	6.519935	9.498582
3.746804	3.478861	4.471521	3.621686	3.014949	3.818176

32.298021	35.335334	39.283941	24.86883	30.826737	32.215999
3.61479	4.378004	4.575858	4.328684	4.176486	5.22024
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	13.707398
0	0.271356	0	0	0	0
0	0	0	0	0	0
14.088733	11.181593	13.037078	9.680404	14.093305	11.266403
21.114291	18.232291	17.878328	14.900035	10.917946	21.092638
13.429571	14.452327	14.906507	10.637122	13.617289	14.885949
0.182604	0.042577	0.145431	0	0.179001	0.04558
5.451591	6.439235	8.464597	6.667684	5.104664	7.847567
0	0	0	0	0	0
8.662054	11.993333	8.053924	9.630544	12.423801	11.395185
7.144115	8.028364	12.25567	8.140466	10.958143	6.973262
0	0	0	0	0	0.136289
24.637314	27.192513	44.503201	69.106926	67.114975	13.786323
2.710202	4.196928	2.326937	1.582939	1.626226	1.591291
0	0	0	0	0	0
263.765045	258.705475	160.457458	105.30648	149.287109	266.984528
30.887472	37.091911	21.925512	23.937878	27.472954	31.295164
62.151928	90.649353	46.975033	61.952053	71.730354	39.480614
0.247512	0.077169	0.081638	0.067767	0.066252	0
19.252832	10.660015	7.759751	6.147877	12.313747	10.479883
3.725547	2.2926	1.60372	1.633241	1.48631	2.310032
1.071691	1.335307	1.407123	0.729984	0.205865	0.832758
123.811993	126.752253	118.284741	145.194344	130.562672	140.332897
20.122765	16.052547	12.260672	14.15892	12.505527	17.347162
6.039261	3.127794	3.137416	2.347358	14.126884	1.097204
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
7.112805	4.788651	7.789293	2.612231	3.536973	7.218389
0.305825	1.722727	0.343797	0.106329	0.290649	22.184397
0	0.11626	0.10135	0.065621	0.164134	0
2.146613	1.094851	0.90369	0.655447	1.002428	1.01083

0	0	0	0	0	0
0.038301	0.048383	0	0	0	1.214085
0.515321	1.763538	0.070281	0.228461	0.904412	0.323987
25.691111	21.455818	20.13946	15.570708	18.009226	38.207321
0.158852	0	0	0	0.086744	0.072522
0	0	0	0	0	0
0	0	0	0	0	0
23.195786	17.001194	18.772387	10.408634	15.490911	17.501644
27.095953	27.644667	35.975143	27.467253	32.486938	28.394129
0.194352	0.341301	0.628048	0.216804	0.298557	0.230944
2.074649	1.970565	2.026676	1.564954	1.513362	1.793197
1.379153	0	1.27307	0.719869	2.118368	0
0	0	0	0	0	0
55.636131	46.402878	36.497646	33.913269	34.016411	61.578667
47.018166	56.745644	49.196533	51.594521	39.947529	55.718521
136.091644	165.888962	101.337181	95.134453	92.35479	174.466858
15.63635	19.4485	22.095774	13.929791	15.492843	21.086908
18.1609	21.585003	10.715013	8.462697	10.599108	21.318035
1.898998	2.812486	3.272883	1.267166	2.606323	2.109511
17.433432	15.618208	21.537405	12.656644	14.723112	12.663802
1.387716	3.98842	0	0.530572	0.222056	0.749069
0	0	0	0	0	0
11.997578	6.976149	5.100158	5.148781	5.328362	6.288146
2.001279	2.453403	2.659611	2.318348	1.863121	1.889339
12.541954	12.250004	11.241783	12.229684	16.320999	9.597048
23.733442	20.734194	18.977636	15.5768	22.684711	26.82435
3.473204	3.659429	7.010569	5.434339	6.424376	2.959188
0	0	0	0	0	0
6.553992	5.220991	9.447309	5.028916	6.713206	0.73557
33.057957	47.739292	60.341	50.561165	66.742561	50.958275
8.581849	10.442059	11.77319	8.182093	10.842879	9.4786
9.509068	8.705179	9.801274	5.203363	8.646238	9.013787
0	0	0	0	0	0
1.427888	3.136579	0.689153	1.178543	2.394412	0.54479
29.37743	31.724323	24.830318	14.839473	24.938295	23.004488
11.917636	20.193167	22.029224	17.220314	22.196193	15.392184
4.621971	5.23172	8.481115	4.504719	5.235172	3.26576
8.112783	8.689027	13.063993	4.724887	7.481447	7.95702
46.355932	29.890174	32.013483	19.808462	20.155535	38.819878
0	11.192348	3.080857	0	2.22617	0
6.560213	6.737613	7.906813	5.311117	5.350461	5.475849
3.027208	2.803041	4.399508	2.879464	3.804843	2.244741
47.317652	42.555077	42.725371	25.637036	33.076625	42.999764
0.199427	0.176012	0.086092	0.047707	0.138986	1.527931
0	0	0	0	0	0
0	0	0	0	0	0
143.200703	121.342516	181.332298	115.46479	122.410353	120.044063
0.596204	0.378478	0.788628	0.60242	0.473442	0.412493
6.152851	6.954266	12.488883	8.348891	9.590669	5.282964

3.123181	2.361528	3.374119	1.13161	1.205431	3.679396
9.040846	8.434379	8.927409	6.403731	8.842063	10.753877
12.899776	10.053883	14.529951	8.315776	9.895535	10.443875
4.630157	4.199252	5.118193	3.94278	4.534765	3.719017
8.555727	7.421396	7.0654	4.787635	5.849987	7.370965
1.755906	1.31406	2.21697	0.878117	1.648304	1.547442
5.262613	6.329155	3.687495	3.94102	6.022582	11.79366
4.95718	3.194013	4.665656	3.678274	3.44532	3.489446
12.22211	8.659548	8.165474	7.326738	7.763303	9.666244
5.313271	4.569401	3.795079	3.055594	3.110303	3.215628
5.108799	5.392119	6.597219	4.657289	5.539624	4.258381
11.47364	11.082319	14.239232	8.837272	11.055008	11.17685
5.474144	3.722459	3.65723	1.721619	2.762304	3.739161
3.686443	3.114383	3.930486	1.948816	2.862494	2.792751
24.301125	9.893317	22.123131	15.405487	7.743273	15.616406
23.034681	22.010579	28.474395	19.882041	22.875091	25.92118
28.739958	27.244125	22.632463	14.326601	14.071959	32.652821
30.918581	29.50601	22.577557	20.352226	20.117559	29.684809
15.529191	20.852106	15.41519	14.323992	15.494686	19.80349
32.646225	39.340615	29.596604	27.01596	20.554555	33.006584
25.139847	26.683035	17.001768	10.740399	11.841538	27.886339
27.337759	33.338352	25.073013	17.82683	16.957367	29.209534
62.196188	58.904571	49.509016	42.751131	36.645903	76.379478
37.954475	31.576517	24.462679	23.097712	19.764956	43.101421
0.015833	0.095029	0.017234	0	0	0.952659
41.543583	36.063213	33.350292	25.570028	35.952446	36.256138
29.583513	34.620453	35.176132	22.362211	33.206806	36.481438
0.103795	0.301821	0.147294	0.125137	0.211555	0.201687
10.742845	8.752188	10.868051	6.891313	7.882474	10.423701
10.115775	9.367857	9.727777	5.860942	9.713935	10.508329
0.106438	0	0	0	0	0
0.709416	0.411068	0.269048	0.161566	0.120492	1.344952
7.962382	8.672566	10.886612	6.381855	8.789732	6.419579
0.508333	0.260469	0.362586	0.074464	0.183695	0.253031
8.059	6.725048	12.519935	8.640251	10.613687	6.71523
20.825066	18.791385	17.513501	16.386968	17.941517	19.930123
65.380455	70.585762	75.936127	45.05954	46.491478	104.120094
35.345222	80.336357	38.004471	38.115226	37.033682	30.900877
0	3.033883	0.606392	1.002974	1.347633	0
22.854092	30.979828	16.548813	13.677299	17.66964	41.953262
2.665001	26.942366	2.0036	5.8371	7.274069	0.651357
55.164055	12.894582	92.160553	32.797779	76.604942	30.176996
0.475614	5.194808	0	0.604116	0.218342	0
6.900048	106.086136	6.948438	20.142904	30.404808	6.545879
37.833294	53.85165	49.616795	42.731564	69.257294	50.557877
3.310263	2.490746	1.47373	0.927708	2.259304	9.431399
2.039652	0.784288	0.870002	0.401736	0.889714	1.405066
0.919985	0.554296	0.632517	0.484455	0.337578	1.42626
4.694344	2.918954	8.151701	4.472069	10.861322	5.696341

0.524544	0.584971	1.237967	0.362887	0.99611	0.80627
1.154022	7.019008	0.759538	1.883853	2.154341	0.505214
9.224389	3.809872	5.58097	1.801756	2.011191	2.692516
0.190582	0.084128	0	0	0	0
0.12549	0.008887	0.015043	0.07187	0.030519	0.077791
0	0	0	0.062846	0.085934	0
56.684944	65.38147	39.383205	24.228727	23.086561	48.929962
0	0	0	0	0	0
1.226235	0.986044	1.73645	0.714355	1.261522	1.406079
0.039516	0	0.139151	0.030215	0.01987	0
0	0	0	0	0	0
0.888575	0.315996	0.092009	0.046288	0.342061	0.188748
0	0	0	0	0	0
2.548279	1.856147	0.812186	0.8552	0.949132	2.390079
0.416126	3.578949	0.302495	0.64058	0.65281	0.321075
0.021471	0.072656	0.045079	0.014083	0.105368	0
0	0	0	0	0	0
0.219103	3.513722	0.392382	0.641216	1.075009	5.894603
5.080719	5.065209	6.707983	3.111425	5.767526	4.136278
23.355337	25.278422	18.927333	12.015324	18.515791	11.76555
7.687603	5.111001	3.985459	2.116769	2.132312	7.682504
106.224899	414.041229	14.039812	55.519409	62.611721	2187.599854
0	0	0	0	0	0
1.395726	5.84385	0.333787	1.639461	0	1778.814941
30.118492	2.151265	0.832627	0.498461	1.085807	2.20636
97.449387	56.94907	59.886127	68.06678	121.483345	30.791574
110.273401	37.484001	50.056843	69.136353	83.574051	76.479546
0	0	0	0	0	0
9.001358	8.59117	10.990428	7.502431	10.301764	18.64098
0	0	0	0	0	0
2.937121	3.488104	2.904704	1.577329	2.395387	5.116622
25.58626	24.503878	23.230309	14.562297	19.792894	19.932533
5.873713	16.058958	7.55343	4.342903	6.42964	5.165265
14.66822	11.249494	16.67647	8.362159	12.177344	16.035725
0.306734	1.040745	0.178063	0.123173	0.438307	0
9.294502	10.849284	12.274363	12.254918	10.831675	12.169665
17.016924	18.057308	19.311754	11.752763	15.435815	19.46703
13.990417	26.213539	14.56922	11.872618	17.584658	14.384747
9.616618	12.250775	9.333328	8.208735	7.195283	22.469374
4.872169	5.620363	6.437428	5.662168	5.788726	6.076401
24.273301	23.785183	16.275413	11.093609	14.157501	18.412792
0.21081	0.051004	0.176287	0.04904	0	0.252419
0	0	0	0	0	0
0.368527	0.470799	0	0.276243	0.224856	0.561959
13.600618	9.864055	15.771563	8.532547	15.637671	14.291381
4.721426	3.603242	4.13406	1.955936	3.064085	6.739533
12.223971	10.107677	11.644868	8.085608	8.470407	11.423454
14.101068	14.368129	15.672629	16.278692	14.730931	15.336907
33.198372	38.415527	29.359373	37.363407	35.76656	36.748199

34.951711	17.225398	8.067906	5.734074	7.876587	7.764118
0.144411	0.164719	0.069704	0	0	0.148451
9.576273	7.611915	5.953963	4.83692	7.925457	8.836177
5.720029	7.012048	10.134943	5.941527	10.032333	15.375921
2.931439	1.068666	0.871493	0.418085	1.11896	0.96828
12.929738	10.582243	7.75084	4.868176	6.597646	12.931204
1.640124	1.470743	2.412905	1.228389	2.046181	0.876181
4.910491	7.604873	13.121198	9.762989	13.480091	10.327962
21.602329	13.354916	11.936014	6.984508	8.717598	19.216717
23.903212	19.504967	17.822353	17.089392	22.392412	13.047016
29.860777	32.99296	34.29533	30.598373	36.101896	29.327727
5.880814	10.575781	7.894494	6.686306	9.078682	7.879593
6.245249	6.181073	9.758833	5.581531	7.247942	5.405394
9.461132	8.560116	9.741199	8.030979	8.356997	11.293297
10.658825	11.632999	6.877494	3.704981	6.633912	12.565338
37.839962	38.448639	39.168385	24.340368	28.904621	35.261131
4.685042	5.644139	4.613222	3.217287	3.090901	6.086735
6.996861	7.296217	9.260944	5.423881	6.197639	6.320273
1.27803	1.387099	2.207623	1.213452	1.178686	0.826293
9.308091	6.915526	8.548562	6.545406	7.285849	6.501493
1.014577	0.922655	1.164487	0.62937	0.463828	0.837428
0	0	0	0	0	0
0.678672	1.331112	0.183384	0.532591	0.393171	0.648682
0.158993	0	0.077086	0	0	0
13.206044	10.567109	10.208181	6.229234	8.498537	9.164785
1.528331	1.385082	1.637544	1.722088	1.895195	1.288504
3.797546	3.18098	3.951991	1.40537	1.58506	4.631248
76.500847	80.809669	111.153046	63.035072	95.061111	76.023865
3.641696	4.113858	6.071638	3.250005	3.121392	1.446414
4.20724	2.227597	2.782485	2.393232	3.702314	2.313658
1.248915	0.94821	1.287482	0.512422	0.628915	0.546527
0.104122	0.420178	0.300203	0	0.151926	0
7.093387	4.469596	5.460647	3.185869	5.777525	14.662791
1.58984	1.415181	1.036062	1.208233	0.489952	3.017073
22.676512	13.752804	11.398181	13.736642	16.07893	10.296679
27.23186	35.656349	26.042587	18.451749	34.349557	30.666302
6.225035	7.069603	4.420803	3.305839	5.380224	1.25487
23.138425	23.321216	27.032397	19.334172	25.555534	27.925151
2.549298	1.908892	4.019941	3.087327	2.593715	2.299625
0	0	0	0	0	0
20.799301	23.262106	17.96229	20.62007	16.597878	24.602968
0.944124	0.363923	0.909782	0.497214	1.075301	0.33743
8.501491	6.10248	12.315712	8.892336	8.28144	8.46632
0.396932	0.077055	0.433791	0.045111	0.110257	0
6.369199	4.976448	5.999334	3.3124	3.403646	6.466775
6.915678	6.687849	9.56627	4.515802	6.150185	5.056407
0	0	0	0	0	0
0	0	0	0	0	0
0	0.048675	0	0	0	0.786514

3.704995	3.718843	3.078247	3.54587	2.010919	1.565883
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
1.023382	1.098828	1.577216	0.345012	0.925212	1.499662
2.136329	3.125597	3.57827	3.329682	2.460462	2.516335
6.522854	6.479733	9.963526	5.082465	8.561769	6.297217
8.902489	7.753901	10.220647	4.801067	7.174131	7.553432
2.718258	1.829809	1.672773	1.241173	1.635135	0.637903
0.327175	0.264009	0.380952	0.340957	0.330312	0.184551
219.578873	364.802246	449.216003	688.445923	690.846191	263.65152
0	0	0	0	0	0
0	0.050233	0	0	0	0
0.076714	0.066364	0	0	0	0
0.044847	0	0	0	0	0
0	0	0	0	0	0
0.823683	0.367676	0.052094	0.197957	1.098014	1.123951
10.382503	5.498888	2.554415	2.255772	2.714427	6.620034
6.923561	7.533489	8.658654	5.564638	8.139318	5.253664
33.179528	30.013921	38.721735	24.705475	30.213026	30.50875
0.178701	0.314446	0.446224	0.399411	0.082276	0.079712
1.594901	0.551356	0.626404	0.246449	0.657238	0.343338
0	0	0	0	0	0
0	0	0	0	0	0
13.227292	12.50655	13.629509	6.358719	9.261765	11.298996
6.741296	9.20389	12.092292	7.607136	10.169462	7.687777
0.759939	0.267794	0.15709	0.044966	0.087628	0.351429
3.98191	3.673639	5.401724	3.647976	4.712926	3.543738
29.380144	35.98367	36.391372	31.304023	27.507356	36.413856
25.31941	28.165129	17.908512	13.186252	12.082466	24.284077
17.833267	17.048553	12.796684	10.030732	12.905233	11.058254
0.61685	0.860812	0.226551	0.540621	0.574592	0.907559
5.329192	4.701411	6.886501	4.996078	5.40843	4.427871
12.693164	9.57557	9.948569	7.16056	9.25783	9.228868
11.569426	7.127898	9.509586	5.763528	7.051478	11.085956
7.921244	5.860309	6.934204	4.644206	6.107569	4.610473
0.133232	0	0.120848	0	0	0.198769
0.583225	0	0.249611	0	0	0.044412
3.614153	2.755018	3.179657	2.355044	3.203879	2.182754
3.152275	0.682401	0.716495	0	0.777901	0
0	0	0	0	0	0
0.082484	0.070721	0.059853	0	0.116575	0
0	0	0	0	0	0
0	0	0	0	0.033995	0
0.036625	0	0	0	0	0
7.209904	6.225689	6.2609	5.102879	4.008699	3.678228
0	0	0	0	0	0
0	0	0	0	0	0
0.460287	0.691509	0.64608	0.102838	0.539801	0.69704

11.081328	7.439671	10.579974	5.626307	7.052659	10.130477
0.640077	1.207037	1.913511	1.047172	2.202192	0.194318
0	0.041125	0	0	0	0
1.050839	0.40718	0.319145	0	0.401304	0.46377
5.194142	3.030865	4.166883	2.239784	3.280562	2.147808
43.035046	36.141724	32.393257	28.057793	29.581377	43.663685
6.332558	5.398351	8.260181	5.248654	7.57147	5.286726
16.863764	17.941145	32.208923	21.846405	27.495747	9.49997
24.030956	32.342918	21.504068	21.278429	15.581964	33.600502
115.434563	124.874794	89.724899	86.233261	102.779671	96.329971
3.775399	1.80069	0.685571	0.984342	1.206426	0.542515
0.092504	0.096994	0	0	0	0
0.270571	0.304675	0.075936	0	0.123579	0
5.279212	2.207121	1.196367	0.747823	1.878273	2.038662
1.877578	2.104708	2.476349	2.057122	2.499366	1.263267
0.209734	0.299303	0.129124	0.275002	0.768025	0.095255
0	0.059272	0.049829	0.034238	0.185454	0
0.404018	0.150557	0.089093	0	0.138244	0.131819
0.086854	0	0	0	0	0
7.653538	10.680118	15.841064	8.84772	10.156116	8.409481
10.759995	9.607265	13.150423	12.577193	12.027212	10.903047
0	0	0	0	0	0
0.033086	0.001382	0	0	0	0
0	0	0	0	0	0
4.423681	3.182011	3.655319	2.311488	3.158979	2.866158
18.212898	16.389664	14.505322	8.900283	11.207666	18.489412
5.595819	4.692653	4.43206	2.85958	3.797139	1.287614
2.855541	2.437334	3.493348	2.206696	2.691872	2.987658
0.215741	0.602489	0	0	0	0
13.328613	9.218593	10.88474	6.110093	11.818895	15.135119
18.970516	18.177996	13.965611	9.771909	14.432356	18.260979
19.212677	15.664079	10.16826	7.824701	14.472284	13.327724
21.315018	16.560482	26.231113	16.054173	20.383612	17.333675
4.45382	4.600118	5.46909	3.956264	3.825116	4.361584
5.175909	13.11412	7.324192	7.223643	10.155303	6.057128
3.040352	2.190736	2.378778	1.52756	3.114323	3.417489
0.751734	0.371894	0.205555	0.096309	0.047607	0.715277
4.189465	9.573425	5.162741	6.297777	6.179645	21.329411
21.767891	11.174249	7.179727	5.548473	10.16212	36.65118
2.784372	2.60966	3.291716	3.114243	5.424373	2.258521
14.172408	11.506618	15.084976	7.35484	12.858021	12.325548
34.345982	30.832207	33.580654	25.813656	22.623461	34.351204
0	0	0	0	0	0
0.158682	0	0	0	0	0
2.876294	2.059085	1.577333	0.782306	1.497907	1.436074
6.888966	5.74256	4.249856	2.647015	3.840836	3.861812
5.718401	5.081263	3.095341	2.079144	2.139491	2.343959
10.406752	8.983825	10.291427	6.012904	8.069362	9.554193
9.513325	10.555775	11.000793	9.713913	10.447731	13.074652

0.289281	0.199423	0.078981	0.108298	0.212702	0
0	0	0	0	0	0
0.169348	0.116158	0.081377	0	0.221613	0.095257
9.10514	6.771533	6.969803	3.973522	6.207988	6.24529
0.220099	0.131922	0.345652	0.065023	0.215732	0.019863
0	0	0	0	0	0
0.134149	0.088334	0.308903	0.150476	0.078998	0
0.332198	0.296566	0.677752	0.458494	0.519225	0.071397
0	0	0	0	0	0
3.28608	3.747085	4.49902	4.83481	3.865592	3.653311
0	0	0.814206	0	0	0
5.680295	148.735107	2.244265	18.709894	36.268909	1.115361
0	0	0	0	0	0
2.795784	2.980418	1.755731	1.854816	1.69083	1.305855
5.153426	0.770146	0.150206	0	0.618681	0.718927
49.478924	46.837074	39.726772	25.770353	37.537834	49.34499
1.647004	2.318053	1.918808	1.52567	1.160066	1.848203
12.233758	12.948195	13.21799	9.383271	12.31927	10.792474
0	0	0	0	0	26.28723
35.510185	29.44442	20.03911	17.383337	24.531223	48.131531
9.767029	9.088518	7.28838	3.411896	6.767969	5.472449
0.160559	0	0.069905	0	0.09371	0
7.854459	6.136266	7.486166	7.454245	6.314891	6.080334
16.737789	9.907698	6.516489	7.530547	13.428221	2.879155
0.349481	0.222928	0.505264	0.066701	0.325616	0.407979
1.592351	1.973785	1.686449	1.971648	1.829038	0.459035
0	0	0	0.147641	0	0
0	0	0	0	0	0
0.202017	0.474011	0	0	0	0
1.128007	0.73432	0.270359	0.188666	0.596023	0.148901
26.548807	24.18718	17.204464	16.57877	15.864873	19.968307
35.38871	32.659092	34.838589	31.703167	36.021049	29.275322
0	0	0	0	0	0
20.936384	21.358692	16.772789	10.664822	12.667532	17.151928
5.20315	4.524076	4.493693	1.775469	2.10488	4.17169
12.429775	10.67883	13.102564	7.433151	10.762364	11.42721
4.605364	2.112752	5.901756	3.467002	5.579849	1.966605
0.453511	0.167602	0.684601	0.15525	0.722235	0.287782
16.344378	16.271378	15.206024	10.364079	13.129823	15.462405
19.202347	21.638702	24.332384	22.666269	20.616436	26.440954
22.24055	23.028286	24.143973	16.676654	19.79767	26.183532
7.203308	5.44457	4.034812	3.38878	4.890842	4.013842
27.53392	30.621565	34.767593	14.996108	17.250015	41.880043
13.500927	15.04462	19.833614	11.969762	17.290209	13.747906
2.081283	0.988607	2.58078	0.978732	0.837483	0.884361
0	0.227928	0.2421	0.048735	0.211812	0
9.314892	7.299088	8.620673	5.787767	6.154073	8.403173
3.622056	6.826033	8.01955	4.670573	7.515225	4.624861
0	0.059731	0	0	0	0

0	0	0	0.067403	0.033393	0.034665
0	0	0	0	0	0
0	0	0	0.101764	0.070706	0
0	0	0.871538	0.676216	0.157348	0
0.079256	0	0	0	0	0
1.449692	1.123925	0.76028	0.713338	0.420056	1.595883
3.503387	4.138308	8.162428	7.882049	10.860609	0.572904
1.711552	1.335745	0.939422	0.537949	0.561836	1.564324
3.086582	1.478925	5.115174	2.960271	2.28492	1.799046
5.049539	5.139559	6.756632	3.006628	5.262506	9.902407
11.522351	10.302315	11.076073	7.736914	10.925089	6.166793
8.537881	6.071345	8.540786	5.097878	6.577063	5.155547
3.200797	2.459026	2.153205	0.702369	1.672913	2.626849
3.302121	2.778454	2.524862	1.960441	2.774876	1.259609
0	0.152507	0	0	0	0
5.390003	3.496533	1.425825	1.088658	2.020113	2.644417
0	0	0	0	0	2.572399
0.064615	0.04897	0	0	0	0
4.024206	3.680623	4.546449	2.508872	2.783319	7.109683
0.10449	0	0.049896	0	0	1.705494
0.279351	0.152127	0.068786	0	0.099368	1.08973
0.220223	0.134895	0.046097	0.063775	0.201594	1.607142
1.898628	2.179687	4.720534	1.764715	2.752959	3.490925
1.599034	2.420904	1.556301	0.609545	3.066095	5.455897
7.689625	8.763752	16.107094	11.117349	5.300193	14.285601
0.692075	0.842493	1.578531	0.335012	0.638698	0.697758
80.909241	81.395426	76.079754	47.537981	52.253407	83.646565
3.63378	5.898739	8.46426	5.809061	7.2472	4.897718
0	0	0	0	0	0
19.903891	16.624342	21.698868	22.144917	17.609377	22.390446
0	0	0	0	0	0
190.619736	161.355362	134.287506	105.249222	104.076912	216.367111
46.934834	74.70649	73.86042	92.64064	76.764511	79.366905
14.028577	9.920906	9.387085	6.499066	7.859737	10.259064
17.455204	17.289762	12.556289	8.809848	9.929076	14.693188
8.755422	10.143359	10.597383	8.189292	8.774347	17.758478
0.6911	0.660199	2.233787	0.383836	1.137088	0.855406
3.482348	2.902848	4.616311	2.600771	1.517734	3.388484
2.897386	1.714037	1.798766	1.023094	0.913155	1.948266
0.890578	1.246099	1.374998	0.926711	0.951531	0.884131
0.881473	1.290952	2.818742	1.529041	0.937643	1.541972
1.082631	1.331586	0.631837	0.834932	0.784087	1.281645
9.005421	12.334643	13.268288	9.645351	12.996629	12.882131
2.432042	2.831838	4.088393	2.099809	2.682259	2.953479
5.535359	4.395276	5.127829	3.108661	4.422352	3.228467
1.329434	1.314985	1.498082	0.692874	0.830725	1.427632
8.106372	7.076055	5.005158	5.65678	4.452351	8.132386
1.235852	0.874064	1.97178	0.86091	0.990747	1.269185
0.269534	0	0.342133	0	0	0

5.665831	0.678043	1.336444	0.404106	0.939126	0.743102
6.146571	15.092818	10.574199	8.139785	9.762574	4.445573
0	0	0	0	0	0
0.614322	1.476154	1.043171	1.095934	1.254782	0.276884
11.390917	11.405151	21.759939	10.73146	14.826376	13.501472
1.829714	1.731968	2.083751	0.767211	1.036978	1.902018
7.802929	8.806583	8.918236	7.630266	7.62152	7.686347
40.519745	42.440445	40.032124	26.162962	27.297173	45.845047
19.771795	23.874161	19.302691	18.508712	13.858473	24.285899
5.902148	5.426561	2.180459	2.574846	2.551606	5.848537
0.158201	0.134787	0	0	0	0.248121
14.350978	16.631718	17.632151	7.424014	9.867044	16.790825
33.254402	30.125685	45.828449	29.303749	38.020767	31.252724
2.495303	2.063986	2.178898	0.971816	1.145126	1.726201
10.695781	6.623611	8.490456	6.63378	5.567986	10.982106
4.358868	2.572191	4.620675	2.012841	3.731536	5.509633
3.871354	3.115108	2.793909	2.086097	2.525472	3.742933
4.173569	4.300725	2.879196	1.71622	3.335138	5.846373
0.204827	0.279057	0.083824	0.036964	0.029792	0.254805
0	0	0	0	0	0
1.045918	0.658638	1.254335	0.378049	1.156714	1.09298
0	0	0	0	0	0
1257.930145	1777.347854	1995.358658	2531.11026	2471.244186	1582.742012
1.580493	1.307292	2.854762	1.465723	1.45681	1.87828
9.782188	11.563731	20.257229	11.974536	16.019283	9.16859
92.669106	100.439911	64.718788	64.186943	55.663391	101.899666
27.90547	22.654032	32.71057	20.937208	13.632232	26.584639
0	0	0	0	0	0
18.785194	5.135161	5.978415	2.639704	7.992311	9.323132
148.329195	65.135418	70.180192	36.057535	70.954817	51.517222
1.354478	0.903132	0.895505	0.347713	0.652874	0.500077
2.857881	3.902241	1.670254	2.195013	7.271973	1.031587
33.00082	29.990221	33.121887	20.692089	39.617588	40.203579
2.533712	1.659785	0.593931	0.511522	1.21069	0.778445
5.00901	37.450089	3.370696	5.26868	11.858712	3.663415
1.919604	0.400215	0	0.175335	0.227529	26.308706
22.547941	18.008036	21.938431	13.191144	22.929609	15.936454
3.522141	4.967246	6.279758	3.433514	4.782911	3.054118
8.191564	9.328465	13.126864	8.812648	12.017018	5.962624
0.935978	0.401439	0.964604	0.441215	0.554686	0.198186
0.317907	0	0.05612	0	0	0
12.484855	10.853412	11.094757	6.324055	8.53898	11.401772
3.706522	4.258299	3.392432	4.99393	2.869108	4.247831
1.144078	1.791006	1.94957	0.674594	1.671525	0.736173
2.202114	2.042297	2.016109	1.391488	1.565313	1.588321
2.569576	2.693852	4.518368	2.315866	3.240147	2.316932
12.353994	12.706926	15.706129	7.486648	11.142358	10.796128
2.131216	1.664132	5.09709	2.644223	2.379386	1.430254
7.213639	7.932576	14.175004	8.449906	10.387478	6.552763

0.903485	0.972399	1.880222	1.396939	1.820779	0.801939
0.606268	0.236275	0.206785	0.058692	0.22471	0.89985
15.268551	12.686332	18.968044	13.772081	16.977459	16.839136
3.631736	4.142053	4.886136	3.417647	5.015653	3.618733
50.089093	32.687879	43.396734	47.081656	40.154587	40.644679
25.688082	25.245934	33.960434	21.293882	21.874058	25.81959
0.526046	0.168853	0.123788	0.115716	0.14502	0.044938
4.48296	3.870161	4.032113	2.136517	3.937872	2.892736
2.236634	2.441672	3.945645	2.233941	3.646163	1.529722
13.203147	11.13123	14.52726	10.164136	12.929489	7.694307
0	0	0	0	0	0
0	0	0	0	0	0
8.363544	6.784051	9.602019	4.805836	4.556298	9.133235
19.133858	17.755819	27.305971	16.210594	20.36076	17.01211
0.492764	0.471782	0	0.430382	0.241817	0
4.11199	4.486284	5.75751	2.780851	5.031116	2.76544
29.042345	26.279243	23.861404	17.161415	18.071867	24.245766
0.455794	0.536151	1.498367	1.077514	0.581876	0.32319
7.822447	11.257495	11.034441	6.148062	9.961821	18.137093
0	0.164873	0.056569	0.077741	0.229029	0
9.940193	8.125402	8.6784	6.050438	7.698628	8.876802
11.538394	8.652962	12.457628	9.014468	9.027577	9.6475
3.08067	1.800175	3.381174	3.463952	3.440479	3.101724
9.365169	11.110053	19.796289	10.857482	13.741536	10.464768
3.890008	3.894748	4.652216	3.577367	7.141385	3.885379
17.194548	8.564455	7.495055	5.612314	7.314122	11.532651
4.868097	6.444461	4.939983	2.820177	3.0103	6.45096
2.684078	2.958202	2.802681	2.762851	3.464771	2.869512
12.256443	11.089602	13.386976	10.048274	11.606759	11.017583
0	0	0	0	0	0
6.142759	5.14647	4.566038	2.825495	3.395397	5.283783
0.640668	0	0	0	0.088881	0
0	0.019405	0.0248	0.022874	0.055607	0
6.91601	5.856143	8.995183	5.32495	7.545903	5.328536
0	0	0	0	0	0
1.451004	2.420172	2.888911	2.440419	3.387792	2.246319
7.990505	5.253273	6.469717	3.979383	4.989336	7.161858
4.984112	4.564343	5.406735	2.705663	4.578106	5.98983
0	0	0	0	0	0
0.465795	0.434696	1.836273	0.395047	0.477514	0.290401
10.115998	6.100498	7.001335	3.515344	3.811072	11.054185
20.328985	21.661215	20.096552	18.345686	19.472396	23.363296
8.936745	11.360509	9.041568	8.82119	8.2063	8.421812
4.711381	4.513378	6.043207	4.89207	5.032298	5.169102
10.699427	6.752918	7.981487	3.979365	6.260632	7.823646
0.423372	0.158588	0.100383	0	0.066978	0
18.59476	21.710703	17.624322	13.89863	18.35469	20.90948
0	0	0	0	0	0
0	0	0	0	0	0

0	0	0	0	0	0
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6.893871	3.815944	4.624558	3.006647	3.567466	4.509717
0	0	0	0	0	0
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22.78008	16.6744	24.17095	14.951694	15.715583	14.555715
0	0	0	0	0	0
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0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0.055735	0	0	0
0	0	0	0	0	0
17.226057	15.640626	14.429435	9.975945	13.330943	11.31474
17.918941	17.287493	23.977728	13.988265	18.416597	16.814306
10.779111	9.382145	9.295007	7.035895	8.160128	2.91159
12.932288	12.030003	12.931797	7.091244	11.185755	11.574609
9.963398	8.856701	13.435777	7.823929	11.42036	9.756107
0	0	0	0	0	0
0.370413	0	0.425756	0	0	0
381.176147	258.535156	165.112381	112.084137	170.004868	243.403564
0.065782	0.112445	0.154411	0.101242	0.066577	0
118.369446	98.503098	108.984825	109.69059	93.052696	133.584305
0	0	0	0	0	27.405558
35.554546	16.115194	9.590276	5.840015	7.784866	18.80238
270.432275	183.064087	150.16129	123.588663	150.639897	161.652804
332.146698	287.034821	207.011383	172.686005	239.991455	275.610443
38.691933	42.629055	18.385525	29.456997	34.486038	29.154167
106.328369	57.272461	57.542526	31.438581	50.295563	65.711884
1.966141	2.871204	1.631098	1.351873	1.463618	1.370167
8.599461	5.923307	8.301392	5.387257	7.558549	4.265415
1.784211	3.290395	5.327519	3.901645	5.510087	2.575015
7.192608	4.934643	5.657942	3.78538	6.310077	6.572505
0	0	0	0	0	0
33.554684	40.706802	50.614006	18.681952	27.668777	45.749004
0	0	0	0	0.343295	0
0	0.063404	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
2.08265	3.33535	0.767328	1.313882	1.275736	2.338594
13.661065	13.933231	19.462257	19.13595	23.31822	12.857159
28.548161	6.529802	17.031967	5.252128	10.636637	24.599388
8.373237	13.593474	13.509969	8.595323	9.896131	10.002251
21.224056	40.792385	30.795647	14.898862	18.319344	31.198818
14.148638	20.419612	15.6752	17.823861	18.591155	17.427958
61.503864	55.571167	49.776127	48.537697	47.167667	65.791351
3.770852	2.35242	5.561796	3.480196	3.851962	4.054657
14.589131	15.649474	12.819404	8.686826	9.46217	11.115796
12.393025	10.426785	10.532078	6.647388	9.683043	9.879778

7.21489	5.586175	6.392812	3.279356	3.96037	5.298367
12.251511	9.261937	10.507515	8.099498	9.891154	9.660836
4.158119	3.148863	4.526056	4.037194	3.886714	3.403274
22.019522	15.23659	11.416935	6.995725	6.789907	22.549981
6.628634	5.963358	13.740629	9.793108	9.191909	3.430625
7.784658	6.895058	5.898786	5.01655	8.663594	6.367854
0.062251	0	0	0	0	0
0.470219	0.724937	0.794493	0.285449	0.468046	0.390034
0	0.073638	0	0	0	0.115632
0	0.360136	0.041982	0.172539	0.055081	0.855133
23.226868	28.988777	24.86972	24.677084	35.043533	20.914358
34.198921	25.569164	23.323738	13.05673	18.102943	23.472359
35.672222	30.185196	39.582592	19.661295	26.703428	29.551771
7.440981	68.469584	4.879043	14.860961	18.052494	4.224202
0	0	0	0	0	0
0.953599	0	0.21461	0	0	0
32.49668	26.698015	29.179138	20.64587	26.56489	31.386222
0	0	0	0	0	0
0	0	0	0	0	0
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2.960253	1.145756	1.2436	0.486512	0.785565	3.218405
0	0	0	0	0	0.285515
0.490356	1.761551	0.695803	0.438226	1.587114	0.707332
13.74764	269.034832	25.445792	67.068822	91.981087	12.519129
28.53125	619.176941	62.292328	171.380325	252.936111	30.027245
2.753955	3.414963	4.654166	2.565977	4.178125	3.938031
9.234756	4.642611	4.097214	2.868566	2.577631	2.260221
5.063993	3.846081	6.781651	2.681075	4.94653	3.31112
1.593699	0.929923	1.076869	0.655504	0.559438	0.812588
3.124975	2.903831	1.593855	0.880445	1.939729	1.278479
4.443359	5.448705	9.100406	6.639606	8.804399	4.423224
0.906117	1.485551	0.448876	0.562974	0.878384	0.470695
0.915787	0.099778	0.192696	0	0.130535	0.326971
2.907813	2.567017	2.675263	1.531563	5.479022	1.238427
0	0.159028	0	0	0.023872	0
0.63777	0.15483	0.109884	0.15121	0.207439	0.14503
0.188293	0.101069	0.352989	0.087428	0.224476	0
0.209196	0.734715	0.456622	0.801207	0	1.028946
0.199689	0	0	0	0	0
0.267931	0	0.261552	0	0	0
2.82935	2.961468	1.627154	2.123411	3.366878	1.895049
2.16652	1.407059	3.319341	0	2.797959	0.457795
0	0	0	0	0	0
1.121537	8.322216	3.141164	4.380147	5.024822	2.516084
0.010363	0.158301	0.428606	0.068879	0.425197	0
0.213418	0.264022	0.277899	0.922526	2.462014	1.465554
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0

0	0	0	0	0	0
3.218995	0.690394	0.718058	0.968296	0.430227	0.462691
0.125942	0	0	0	0.296161	0
0.109939	0	0	0	0.054071	0.23555
0.302898	0.171278	0	0	0	0
1.417446	1.387507	1.753479	0.743629	1.138547	0.938732
35.512461	47.906067	62.515341	51.992836	82.595742	37.165804
4.839735	8.667335	12.830914	9.937222	11.429176	9.73445
29.16287	23.591679	27.123545	19.651966	22.454607	25.231188
1.817541	4.854613	0.990404	1.025831	1.975622	1.02866
0.214628	1.281436	0.272851	0.496125	0.839202	0.329843
0.201305	3.904081	0.121787	0.54517	0.399323	0.305284
12.08128	16.10007	20.330021	17.230826	18.622759	14.237599
20.043436	480.268066	36.244999	110.771263	135.706329	19.92852
4.42105	8.486054	7.187221	6.959148	6.561046	4.499367
9.192542	174.28476	18.40102	51.364906	84.114975	8.002282
6.539433	1.613123	1.538501	1.827932	3.246866	4.550829
19.618704	15.674949	10.986732	5.100467	7.019546	14.609178
45.603737	47.659565	43.978294	39.343452	38.108341	49.892544
0	0	0.058603	0	0	0
0	0	0	0	0	0
1.785572	0.671855	0.831356	0.278047	0.461979	0.883754
0.748539	0.395756	0.150422	0	0	1.79148
0	0	0	0	0.049371	0
41.820639	2.373956	0.475024	0.653024	1.463493	4.668179
51.064716	60.860321	52.726025	51.303429	54.520646	72.789314
35.176365	27.982958	30.62199	12.808253	19.114809	33.238155
0.113871	0.048816	0.383674	0	0.195581	0
0.27331	0	0	0	0	0
22.618204	20.551764	29.288588	15.185454	19.447737	17.101093
0.724102	0.82267	0.623337	0.65973	0.997542	0.881023
0.031997	0.107906	0.057581	0	0	0.151796
8.726257	0.251984	0.649382	0.220301	0.215857	2.077688
41.957935	38.692447	53.249892	38.903479	46.681544	41.724247
2.9602	2.555917	2.92577	0.913452	2.237931	2.025347
5.157234	3.535346	4.912941	2.866409	3.423687	6.224095
3.910548	3.201124	5.330441	1.716242	3.796902	1.627753
0	0	0	0	0	0
0.472865	0.540721	0.520554	0.348742	0.385932	0.095086
5.241728	4.441985	4.801055	2.346143	2.040848	6.534119
2.102765	1.308341	1.108689	0.789898	1.436695	0.981797
1.059944	0.259624	0.367087	0.232165	0.175196	0.5289
20.274313	10.379806	14.169456	9.762552	9.698732	12.846812
30.468523	32.50249	30.650014	31.847059	30.538391	32.910792
7.04504	6.57291	27.425531	13.544004	12.923529	4.763924
170.883231	161.817086	133.449876	112.639996	128.341036	183.643755
8.616552	3.11936	0.11777	0.224233	0	0
5.058618	3.961721	4.115125	2.346577	3.014283	4.536498
12.640996	10.288378	11.654034	7.480147	10.445466	11.307274

1.75005	1.289602	1.10143	0.561737	0.858196	2.782319
74.405144	60.404468	51.6912	32.111862	55.515045	61.684223
71.389069	99.632263	58.411133	65.439392	67.60836	83.492409
10.221901	6.553079	4.12173	3.174584	6.041009	5.571679
14.849916	9.384337	11.993482	4.649088	8.419991	9.332014
211.619166	205.768506	178.657339	147.122747	152.65982	201.209091
8.783929	7.267927	7.112343	4.147521	6.57498	7.493751
97.305164	111.654087	75.98217	67.968557	78.969223	85.644788
118.268166	120.156479	127.977608	144.841919	110.14444	136.135376
87.817604	133.629013	81.682579	73.284821	73.294464	117.117561
19.835871	20.525747	70.771576	25.0702	30.455915	21.837152
0	0	0	0	0	0
43.277058	32.885571	37.774696	35.594784	33.747932	29.132471
105.140922	111.884379	108.201435	76.673456	103.261272	106.72261
68.189316	58.988113	61.317879	46.833168	59.630718	63.908577
5.704832	6.775196	5.718767	3.130709	3.795955	5.426134
10.150761	9.110074	7.561804	4.713973	5.430635	8.688272
1.463831	0.646201	1.394822	0.737189	0.815108	0.878389
9.568031	11.507669	17.545345	9.33715	11.738755	10.917785
9.327181	14.8674	20.533384	16.778652	40.597279	6.210846
0	0	0	0	0	0
8.73866	4.976949	4.420607	2.360071	3.774738	5.107573
28.787178	30.989326	38.875539	22.13559	28.885807	29.602158
145.627563	135.514244	188.054393	112.423678	143.734823	179.92618
18.652438	19.992298	40.358109	29.890797	36.875481	32.975128
40.38224	25.983194	22.984821	13.348487	15.447299	25.931433
58.46307	58.473324	48.871151	41.739216	56.168968	55.266903
34.794551	30.739836	43.468524	23.784067	28.625915	29.912195
0.10183	0.399035	0.215275	0.283946	0.310455	0.105687
3.769917	2.529637	3.784649	1.707255	3.405456	2.135725
2.737349	1.666028	2.234962	1.812599	2.250671	2.416336
5.410436	10.301174	10.055976	9.936822	16.112881	7.333539
0.498132	0.249554	0.323044	0.187287	0.1831	0
3.794949	2.969331	3.350676	1.292024	1.568042	2.429163
2.638374	1.58695	0.66386	0.492938	1.220555	0.739527
7.611989	7.336501	13.308084	5.76447	8.310202	7.905498
0.882351	0.658007	0.881836	1.526122	1.292495	0.37688
1.804678	0.826421	1.952308	1.047761	1.450604	1.820196
0.022812	0	0	0	0	0
26.567197	27.153256	39.71511	17.799519	16.425888	26.777736
5.116641	3.918671	7.379035	5.464739	7.023112	4.688166
16.930304	20.257116	32.97105	19.300819	30.308594	20.881933
2.781979	2.256737	0.235333	0.098418	0.535822	0.534788
1.988294	0.156281	0.594755	0	0.375685	0.077726
0	0	0	0	0	0
0.083749	0	0	0	0	1.65307
3.558954	8.501746	0.716056	1.710788	1.609952	15.038368
0	0	0	0	0	0
0	0	0	0	0	0

12.028481	3.456547	4.194261	0.453726	1.606643	5.874048
8.613721	6.6164	7.346967	4.53232	5.88487	3.945619
0.7323	2.134327	0	0	0	0
0	0	0	0	0	0
615.797322	834.219502	830.127685	735.736462	1111.041172	772.499783
0.059136	0.042139	0.057215	0	0.038177	0
2.856521	3.524187	3.289345	2.289942	2.452835	2.855805
16.182203	13.510663	13.954122	8.781602	12.234034	12.121375
7.599656	8.715578	12.087882	9.401293	9.794654	9.435823
19.391266	13.141222	29.37764	17.715813	20.809624	13.997042
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27.396704	7.037424	5.650081	2.596759	6.212696	8.48568
8.708477	7.496307	15.334285	14.148417	18.422651	6.782417
14.0409	12.397676	17.340996	11.643337	18.22802	11.826337
0	0	0	0	0	0
3.91451	4.202222	2.793539	1.348186	2.967631	3.004298
3.870767	2.637969	0.222906	0.14045	1.060933	0.446294
0.036802	0.050894	0.096914	0	0.072047	0.030374
0.109575	0	0	0	0	0.071588
0	0	0	0	0	0
7.04874	4.982961	8.809801	8.015156	9.14643	5.545074
7.515552	6.030173	10.943173	9.370279	10.796827	6.006423
47.863586	41.621033	35.039085	27.730635	30.658718	46.265301
8.618687	9.644375	14.051265	9.578296	10.605619	9.032047
3.609814	3.650679	3.365393	2.518658	3.150705	3.021449
0.049891	0	0	0	0	0
0.215195	0.373999	0	0.164217	1.057463	0.260409
49.028101	12.606876	31.500597	10.052525	24.599436	33.506531
52.207085	43.168762	44.191593	46.591427	41.057117	48.801098
39.200317	13.579526	47.647713	20.056282	26.529789	29.755074
4.14654	3.283359	5.036187	7.13241	3.625439	2.837393
23.702034	29.306129	23.504011	11.725898	12.58027	20.245741
28.819132	25.716246	27.270853	19.903183	26.406713	24.731165
3.84488	3.826318	3.849047	2.692302	3.052052	3.446178
0.355513	1.523765	0.154784	0.142762	0.244248	0.120631
0.881737	4.441568	0.323878	0.959533	2.162276	0.381501
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1.833356	2.4356	4.07989	2.910213	3.45804	1.713198
4.905043	8.127819	9.473641	7.511836	7.941486	6.286496
0.181605	0.128167	0.353803	0.181903	0.058605	0.168577
0.254233	0.187122	0.21958	0.145677	0.368017	0.376218
1.972479	1.315471	1.478308	1.180922	1.585739	0.944192
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9.180819	10.115348	11.207457	8.204767	8.755979	11.400775
1.281592	0.961104	1.909671	0.731025	1.007703	1.92384

22.853127	38.071296	21.331302	29.026592	41.147733	7.070724
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0	0	0	0	0	0
0.351838	0.580406	0.085577	0.177594	0.17864	0
8.663253	8.876663	10.381419	6.302269	9.402922	7.083957
6.537205	6.311991	8.038973	5.823554	8.102149	4.144114
6.91572	8.567172	12.378055	7.788701	10.436366	7.920643
14.187908	13.40244	13.878434	7.843146	10.473005	13.752022
1.493471	3.017161	3.943569	2.187785	2.94369	1.885131
0	0	0	0	0.087626	0
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12.779927	10.444701	16.339468	7.010279	7.170132	15.672174
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6.436868	5.73782	6.339332	4.614387	4.743731	6.189376
3.934847	3.334296	7.886937	5.184684	5.870883	3.938158
0	0	0	0	0	0
6.115752	5.633293	4.309598	3.559668	4.723255	4.784182
4.825635	4.765659	7.134112	5.36367	9.101809	4.017093
8.252797	9.262201	11.115619	6.109314	9.341478	8.307004
0.170509	0.179766	0.130905	0.150116	0.088529	0.643583
10.265331	11.759274	9.112835	7.203977	13.308304	8.272912
0.033432	0	0.024259	0	0	0.176033
0.218453	0.051134	0.168992	0.359009	0.196295	0.097462
18.148097	24.057503	26.78849	16.051488	23.26994	19.235456
0.558933	2.062803	0.333485	0.215815	0.632264	2.58412
0	0	0	0	0	0
0	0	0	0	0	0
11.032972	9.553117	12.062632	7.794821	8.702445	10.32496
0.882496	0.852047	5.177353	1.378382	2.183762	1.230357
36.918674	67.3386	78.13163	69.349487	74.842369	47.953621
22.410339	21.036329	22.356985	11.00811	13.139115	18.487602
3.500353	3.25921	4.108496	3.689147	5.178983	3.86138
0	0	0	0	0	0
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20.461496	11.904847	14.910485	5.319317	5.453995	24.426809
13.434479	7.16024	8.813704	4.010781	3.400763	13.397052
0.124605	0.026709	0	0.031273	0	0
12.19113	10.029916	8.684319	7.244893	6.661023	10.343535
0.086202	0.067625	0.006914	0	0.018704	0.02609
0.777535	0.777344	0.693479	0.229639	0.541095	1.491878
1.222766	1.232687	1.902078	1.291932	1.318851	2.56
0.095237	0.19798	0.092273	0.045722	0.194255	0.206331
0.030285	0	0	0	0	0.020551
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46.449196	38.184723	42.604382	48.160275	44.098309	53.927269
1.847548	1.251916	1.820962	1.075394	1.51924	2.365581

0	0	0	0	0.09354	0
10.85781	11.68141	22.112585	12.121692	14.440268	12.034729
8.806885	4.51476	4.86424	1.650212	3.816698	3.269097
0.090487	0	0	0	0	0
18.374098	15.69589	22.932741	18.724617	21.641245	18.239128
0.109916	0	0.094635	0.065025	0	0
22.063843	26.531267	30.186138	15.786635	22.67197	26.311451
0.062972	0	0	0	0	0.053885
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0	0	0	0	0	0
25.39163	23.505112	28.215305	23.249828	25.027004	26.402691
0	0	0	0	0	0
5.136862	4.531309	8.108499	5.516466	7.043753	3.800741
1.946762	1.201435	1.844866	1.211366	1.804199	0.823585
0	0.10124	0.309641	0	0.606952	0
0.988464	0.689821	0.535233	0.159297	0.158332	0.533054
3.875024	3.527006	5.113404	2.386435	4.238127	4.713026
3.2125	6.626733	0.619547	1.443544	2.836175	0.211697
1.068801	0.640896	1.411916	0.779233	0	0.772451
0	0	0	0	0	0
94.992287	99.634636	101.500839	53.697891	80.83503	102.892036
0.127291	0	0	0	0	0
0	0	0	0	0	0
0.2609	0.457825	0	0	0.255496	0
0.766268	0.600927	0.832899	0.465174	0.60644	0.49708
1.895112	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
8.099821	10.790645	8.273897	7.890552	11.636737	5.817505
275.964844	185.887207	143.702637	120.969414	197.019073	140.153473
19.407188	22.596912	24.222176	18.753666	31.509634	13.944036
0	0	0	0	0.095733	0
0	0	0	0	0	0
1.394478	3.37213	0.422864	0.504202	1.017794	0.586073
2197.25195	2570.873779	2017.99742	1785.06934	2560.715419	2579.203613
0	0	0	0	0	0
3001.79541	2765.007324	2173.882324	1980.164429	2420.571777	2616.237549
0	0	0	0	0	0
14.537806	15.455631	15.718451	11.162107	13.723415	13.306594
4.737639	4.52097	3.717077	3.354578	4.251398	4.780487
9.260118	6.807473	5.230852	3.050128	4.475188	8.381718
30.766457	24.343817	36.558876	19.363192	24.409199	43.516373
1.203619	0.655325	2.282914	1.342303	1.987659	0.963866
20.749743	15.506227	17.996338	12.298083	13.714234	15.567072
16.658322	17.559323	20.910172	13.508923	16.209696	17.185477
39.837498	32.663509	27.092241	15.59713	25.65329	41.447723
14.482556	10.310834	6.571895	5.000101	5.405035	15.26538

4.387407	3.829341	4.95878	2.84814	3.875204	4.519848
17.037666	15.642413	16.690315	14.875382	16.30011	14.858697
18.277542	15.023507	23.819118	30.311218	23.789295	16.208223
4.066879	3.75097	1.789319	1.262819	3.00888	5.586064
61.908342	63.38645	78.254627	50.906431	71.219217	64.02156
135.716675	92.060684	118.675949	79.962219	84.675987	101.421211
0	0.177157	0.106889	0.147092	0.286449	0
4.914681	7.563842	8.201738	4.353039	7.408566	5.804338
4.099566	3.145171	3.634763	1.918605	3.015097	2.833616
0.072538	0.137624	0.279711	0.037417	0.094297	0.152575
1.564155	0.939121	0.758078	0.124956	0.476704	1.172104
0	0	0	0	0	0
1.604055	1.310667	0.476944	0	0.25915	2.128777
10.737379	10.511478	7.556035	5.724567	10.983348	15.405751
0.166514	0.237196	0.187254	0.158934	0.287782	0.125199
3.481019	5.555239	6.442707	4.766054	6.183175	4.122976
1.469504	1.055931	3.039643	1.956679	2.473703	2.814396
13.115164	14.418182	8.043367	9.801867	10.314606	16.329237
40.562875	42.839508	57.227689	50.026919	46.152538	41.752678
39.173458	40.130089	41.474678	34.688011	43.24408	39.107815
40.29985	46.463317	8.937385	11.635373	18.478279	10.610351
2.607607	0.255901	0.211764	0	0.775099	0.12761
0	6.219691	0.835425	0	0.856695	3.052135
0	0	0	0	0	0
374.345634	412.082878	354.192592	260.832326	329.702481	394.755043
10.482315	5.221786	1.832337	0.841411	3.666185	14.756368
0.530527	1.057319	0	0.775116	0.41518	0
15.924534	9.758567	25.814888	12.445054	15.588455	6.569698
3.787044	2.803647	6.126277	3.205141	3.666331	2.785192
12.904821	9.756136	11.189966	6.228096	7.713593	9.142591
16.432761	15.806838	18.598932	20.854343	18.019678	17.814667
19.969471	12.702601	13.028865	5.463315	14.349575	9.480173
0.050876	0	0	0	0.016312	0
17.999086	19.8237	26.943079	14.580189	23.022722	19.839886
0.18341	0.074126	0.038957	0.03588	0.139419	0.060832
1.39408	0.640669	1.025964	0.247382	0.867267	0.863513
3.215955	2.530195	3.421967	1.854978	2.388949	4.898044
3.698367	3.126636	6.710225	3.120116	3.471426	3.485587
11.850145	14.496517	17.500898	17.396751	18.65572	12.501142
1.765815	1.412196	1.395628	0.898828	1.431066	2.347536
1.867439	0.746616	0.208769	0.397804	0.385141	1.201023
20.863867	23.240433	20.210052	14.195506	16.539598	22.329126
8.100393	19.176622	9.070774	4.752763	20.994879	3.74186
4.978111	5.135358	6.858626	4.770697	5.475217	4.451224
92.112961	100.270515	82.712807	67.744583	70.248413	109.26136
25.720596	14.0321	12.43346	10.785144	17.308057	26.821845
3.942806	1.699488	1.820109	0.940325	1.543586	1.095351
0.729513	0.608866	0.139632	0.091867	0.659756	0.090316
0	0	0	0	0	0

0	0	0	0	0	0
0.244898	0.211383	0.05367	0.098426	0.070081	0
0.264031	0.669978	0.163954	0.085641	0.193418	1.01428
0	0	0	0	0	0
0.323902	0	0.115774	0.064069	0.124438	0
0	0	0	0	0	0
1.478419	16.880344	0.73823	0.757693	0.597245	3.946339
0	0	0	0	0	0
25.966146	26.445013	27.300261	20.551378	23.61619	26.77425
0.046489	0.039859	0.215446	0.046671	0.022509	0.093885
18.487343	21.930691	20.425831	10.54315	15.622915	26.638216
0.104648	0	0	0	0	0.183087
39.916916	48.217911	45.604074	37.660256	58.118687	42.416855
5.259103	4.066057	4.695921	3.385759	4.545161	3.420676
10.718848	7.640192	8.162446	4.801682	7.482219	1.732839
2.911985	1.712339	1.623578	0.918492	1.019433	0.778489
323.97049	304.136078	260.63974	247.590378	322.001709	288.709351
56.440006	73.237572	66.949585	68.35614	88.258698	51.911678
54.747208	72.152618	61.094456	61.538288	61.520805	72.851372
6.586501	6.282483	20.376503	10.296514	13.540401	5.085222
0	0.160179	0	0	0	0
9.630438	8.125193	10.160402	8.058896	8.478899	9.573705
14.070989	15.494337	13.94719	13.754898	15.435361	9.940834
8.054811	1.218793	10.023898	7.214204	1.633932	2.81586
0	0	0	0	0	0
0	0	0	0	0	0
0.482117	0	0.118389	0.061421	0.156927	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0.08173	0	0	0	0	0.079925
0	0	0	0	0	0
0.340609	0	0.029723	0	0	0.176992
0	0	0	0	0	0
0.948778	0.956609	2.838034	1.588352	2.30135	0.731178
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0.272519	1.396853	0	0.393938	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0.15112	0	0	0
0	0	0	0	0	0
0	0	0	0	0.046178	0
0	0	0	0	0	0
0	0.0084	0	0	0	0
20.035187	41.790573	33.849854	67.32309	63.32769	36.329605
18.193682	24.517239	37.034756	36.834267	48.156704	14.536258
85.967842	92.382683	50.84116	48.569302	50.977814	48.109451

42.591377	48.412605	34.907612	31.193144	29.907164	46.467747
0.395445	0.053534	0	0	0	0
20.132516	17.289938	22.269611	13.669884	16.878729	19.262012
2.385017	0	0	0	1.484181	17.031988
0.189926	0.263016	0	0	0.074259	3.561434
0	0.179067	0	0.06262	0	8.078036
0.047074	0.036175	0	0	0	0.057383
1.691806	0.839427	1.478631	0.518193	0.778213	1.548929
8.217256	4.875374	6.875541	4.045363	5.796721	5.562673
8.92474	11.47818	9.13825	5.851449	7.937308	14.825394
42.151749	68.942108	67.622871	77.881531	80.673706	55.000008
15.651247	11.832414	13.888022	9.278917	10.174582	13.561491
3.697473	4.857845	2.427816	1.349034	2.003941	13.552701
16.856752	12.831865	16.459555	8.701821	15.039882	15.289392
52.298802	49.789833	67.827362	44.660107	53.539965	68.741018
6.729067	6.992979	8.145062	2.862007	6.162899	9.575703
7.289146	8.737796	14.104524	9.608068	11.106574	9.557277
2.122941	1.220649	1.065928	0	1.12484	1.680257
0	0	0	0	0.032128	0.096779
0	0	0	0	0	0
0.188869	0.110372	1.075924	0	0.127467	0
1.446236	0.985963	0.152895	0.135223	0.190307	0.515235
1.263173	0.347907	0.264172	0	0.19314	0.479852
31.472691	29.257429	35.891994	19.923481	31.324762	32.746677
1.92559	2.583123	0.647365	1.218744	0.343167	2.8345
2.773363	2.466227	3.35179	1.616163	2.334841	3.101985
0	0	0	0	0	0
6.174631	7.174111	6.622828	6.61842	3.296574	11.88987
7.795747	6.153341	8.10191	7.426186	8.172118	7.842003
1.16883	0.801598	0.549958	0	0.103217	0.428229
0	0	0	0	0	0
0	0.017416	0.064739	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0.58613	0.555888	0.962813	0.548659	0.648108	0.319706
0	0	0.291767	0.116451	0	0
7.442227	6.357215	6.390758	4.577971	4.176636	5.216938
22.40757	35.244797	15.786117	11.290713	11.791701	17.941038
1.603926	1.349206	3.249217	0.69693	1.232247	1.537494
56.709619	65.068745	68.705002	52.746199	62.905718	64.682831
1.328562	1.272637	1.862329	0.481801	0.851074	1.131305
7.48676	2.77174	1.431792	3.347849	1.572667	9.738741
318.669861	399.146179	520.567932	479.279327	522.496033	382.36731
0	0.260721	0.781211	0.12612	0.379573	0
1.232415	2.171675	0.638418	0.393598	0.326717	0.352958
11.089362	8.55466	11.73787	7.051477	8.609793	8.63418
54.475178	54.744244	34.527229	32.92308	30.315168	47.60006
0.507891	1.05126	0.779986	0.394161	1.060211	0.779054
0.80928	0.203625	0.071774	0.119477	0.096819	0.284194

1.702271	1.323558	3.481382	1.214168	2.463934	0.764125
93.008904	91.463127	84.541008	77.506134	66.573662	123.59166
32.146721	33.303913	26.004377	16.145302	14.540976	41.859131
20.420502	15.033131	10.85457	9.0378	18.844442	5.906132
1.820311	1.660998	1.752059	1.173573	1.186438	0.941237
21.029152	18.022549	22.488313	10.978679	16.334805	20.235004
0.076792	0	0	0	0	0
2.572837	2.143656	3.312453	2.101604	2.223892	3.016839
70.060043	51.090263	88.418015	104.276825	67.190353	49.49123
96.090424	25.594545	25.050024	6.694219	18.881107	29.366703
10.868397	7.086913	5.80788	2.754108	4.426111	2.266356
14.498379	10.980508	19.217508	10.189285	10.710773	14.389539
0	0	0	0	0	0
0.190178	0	0	0	0	0
4.830688	4.710355	4.230519	1.779456	3.772265	3.581512
1.050963	1.943566	1.155248	1.494001	2.477771	1.709158
1.473133	3.55406	1.094618	1.02581	1.968169	2.376969
0.112947	0.137628	0.066814	0	0.099464	1.86578
0	0	0	0	0	0
4.536255	3.008315	2.236354	0.547569	3.498452	2.802813
20.396744	21.569746	17.862331	13.486633	17.192545	26.56077
9.787446	22.142809	11.634596	12.936787	9.32642	28.168628
8.450032	8.376042	16.72547	11.516376	11.575969	9.979933
6.465086	8.913155	7.16144	5.540433	4.744628	7.448133
9.326369	8.731535	8.749243	2.972904	4.666615	6.673725
59.144764	49.376766	52.100277	40.694637	43.449455	60.34729
4.159359	2.569086	2.654715	1.50783	1.996679	3.645223
14.690455	12.813819	9.334987	7.49193	7.292327	11.990021
47.458233	40.857082	43.903171	36.377517	52.872605	53.067921
4.303787	2.941729	4.963656	2.435284	4.251262	3.021101
23.517563	19.279505	27.537449	18.293821	18.257998	15.757314
5.881609	9.264593	10.891232	8.61772	12.333023	2.762087
10.453011	10.093688	8.881179	5.723334	8.310648	7.858274
1.418555	0.551844	0.734138	0.74268	0.83711	1.281899
1.253527	0.232755	0.124204	0.092501	0.352993	0.382982
0.610051	0.486233	0.054233	0.2446	0.507612	0.189689
19.939384	8.968672	4.675839	4.734076	8.764655	7.175292
0.678689	0.366384	0.039117	0.676833	0.826447	0.110337
10.200144	4.646837	0.720435	1.552317	2.105156	3.957139
3.244118	0.925193	0.390873	0.406696	0.548936	0.296662
3.646544	1.733101	0.431842	0.120568	0.93238	0.682133
2.93362	1.236042	0.21469	0.227363	0.413675	0.563324
5.994442	2.28254	1.595401	0.81064	1.461034	2.030343
2.836962	1.316931	0.111551	0.637626	0.600674	0.378764
5.028085	2.447359	2.478779	2.407666	3.030642	1.638754
0	0	0.227152	0	0	0
2.216626	1.751367	0.736435	0.487651	1.376913	1.370213
31.151869	341.855103	26.473286	96.245605	128.713882	18.481747
0.385592	0.178383	0.163049	0.069623	0.272264	0.110405

8.866519	12.539159	7.635055	5.993442	6.500782	12.409068
4.37415	3.469815	4.520259	2.556321	3.555625	4.146686
3.207056	2.616113	3.651348	2.510956	3.159238	3.171361
9.766974	13.350775	8.941649	7.263741	7.882949	9.979473
1.560028	1.009757	4.049805	4.184992	2.612466	0.383933
0	0	0	0	0	0
0.828011	5.390886	0.489729	1.669319	1.279342	0.617608
4.659526	5.485159	3.175725	3.308069	5.296876	6.11997
41.251797	69.016586	73.295387	39.629025	47.421619	66.423042
1.379883	5.052657	0.240818	0.865357	0.435146	0.170136
0.412763	2.376288	0	0.44455	0.546703	0
8.373568	12.393637	8.77434	6.718142	7.634762	7.815164
13.783813	14.9466	9.2741	6.348424	8.596438	24.53491
0	0	0	0	0	0
0	0	0	0	0	0
10.689999	11.155665	14.41475	8.388982	10.847514	10.913136
10.899156	7.795789	8.024635	4.241951	4.835363	8.121142
12.189893	9.98274	9.743827	8.925585	11.79858	10.524056
0.246706	0.387086	0.498928	0.047547	0.086724	0.883883
1.905963	2.179216	5.231137	2.53198	4.7344	3.568797
0.346998	0.382931	0.492186	0.230805	0.616016	0
0.135267	0	0.112364	0	0.132116	0
57.486362	53.545361	58.375954	44.027153	41.363911	70.296234
37.641174	24.424503	20.276312	13.821869	18.552082	24.89834
0.115837	0	0	0	0	0
0.712645	0.978744	2.654329	1.139811	1.55522	0.406501
0	0	0	0	0	0
5.451355	4.279605	4.841731	3.722962	4.110561	5.110922
41.981651	39.774147	31.897444	27.299515	39.704227	48.737171
1.860096	5.820989	6.639659	2.831083	5.553323	2.571612
4.832573	0.813858	0	0	0.168884	0
5.278785	4.125349	3.858907	1.323454	2.885151	6.287562
6.478045	12.833459	4.711564	6.789176	5.968027	1.247441
1.07518	1.817238	0.801849	0.202257	0.540611	0.399179
0.0716	0.123603	0	0	0.247606	0.270482
0.063915	0	0	0	0	0.109616
1.34945	1.731451	0.389561	0.407888	2.181432	0.204968
0	0	0.196597	0	0.264487	0
0.578071	0.536093	0.461457	0.209799	0.452415	0.917971
60.800186	61.343502	76.049835	59.352757	70.226898	37.866764
150.044205	112.298683	96.998665	108.015198	101.41494	140.646881
0.900946	0.57218	0.270867	0.229299	0.232838	0.532525
6.499712	5.405937	8.781546	5.909114	8.328169	15.42732
0.711406	0	1.132122	0.425061	1.022247	4.497744
20.138243	16.503721	13.385583	12.525564	17.272749	15.525745
0.074762	0	0	0	0	0
10.915965	15.567387	16.975302	12.423363	22.092083	18.312
1.248675	1.198349	1.574001	0.389913	0.839536	1.515883
4.251374	2.282224	0.607346	1.661581	2.523477	3.084405

17.882915	19.901968	19.528591	18.227909	16.928297	25.495447
8.114513	8.368936	8.104622	3.879483	6.147171	12.843536
4.694019	5.918158	5.87441	4.32066	4.623592	5.633599
14.008205	13.708753	9.60215	5.266323	6.673731	16.107058
74.278099	74.235466	66.472984	52.889557	58.188919	87.05275
4.021552	4.985663	4.459783	3.092419	4.367166	3.764365
1.938714	1.411185	2.211077	0.974525	0.759193	1.539384
32.426258	31.040159	33.980626	25.165791	29.631268	32.202755
0.139876	0.1679	0	0	0	0.343561
16.049633	16.339682	15.506322	12.521936	12.814167	16.728186
0.105877	0.136623	0.096357	0.072875	0.260659	0.235073
0	0.143072	0.090815	0	0.122833	0
31.373669	25.13892	23.091	16.471031	19.755404	37.952751
6.98019	6.54547	10.015013	6.027241	5.797716	5.765173
2.652731	3.015181	2.491561	2.196753	2.303111	3.214523
6.481903	7.480171	4.812592	2.277689	4.779603	7.115535
12.011762	10.478955	13.109801	10.269569	14.017811	11.248322
15.013394	12.925313	9.451106	6.387751	13.491351	8.403439
1.080659	3.092819	0.644518	0.722043	1.13916	0.720999
1.29842	2.045098	3.129358	1.639756	4.280126	1.539747
0	0	0	0	0	0
2.805468	0.493367	0.900699	0.072822	0.14438	0.739692
0	0	0	0	0	0
0.08099	0	0.088154	0	0	0
22.668695	24.583611	30.417677	22.646694	26.607946	22.222416
10.116709	8.108208	8.925246	7.055544	10.074732	6.947638
12.064022	11.824421	18.909966	10.691284	13.858245	6.753995
8.346992	10.499561	8.914053	6.445826	6.482418	18.709482
19.973612	19.892101	6.027344	6.537747	9.171864	17.60351
11.590515	13.50583	10.994722	7.626783	12.028473	9.12953
29.002575	22.772224	13.924855	15.462245	18.301653	21.612198
1.054187	0.767157	0.953351	0.635315	0.996546	0.35219
1.117516	2.58341	9.027628	4.864295	5.300692	1.249141
44.81102	30.311708	31.522463	31.646437	30.579302	32.49921
9.672901	7.052856	13.206932	10.350102	15.329746	7.473048
8.135247	5.798445	8.114648	5.658429	6.049014	7.022448
0.142806	0	0	0	0	52.018215
3.560674	1.432033	0.768283	0.606465	0.871412	1.300331
0	0.567995	0	0.251282	0	0.878922
1.148525	0.991558	0.433465	0.350699	1.100257	0.099308
24.683037	2.004031	26.423755	16.64787	4.137468	25.753018
0	0	0	0	0	0
8.765505	8.388207	9.648135	5.699887	8.430781	7.068651
49.648227	42.236658	60.970884	61.529781	29.61864	65.030874
32.395499	25.590008	27.386934	26.495539	30.358383	22.132975
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0.318746	0.323822	0.347782	0	0.468977	0
0	0	0	0	0	0

7.168322	8.197901	8.163664	5.823773	6.609138	6.51973
11.055958	9.870065	9.573681	6.695944	7.878002	11.376971
0	0	0	0	0	0
13.965397	12.864712	27.205105	16.174046	22.988567	9.2989
10.57079	8.826974	12.362583	7.554439	10.258683	9.902294
2.29895	0.62297	0.641335	0.263311	0.60589	2.215851
4.161148	1.027112	0.63828	1.39521	2.642023	1.267172
7.827428	1.928915	1.517113	1.029818	3.896804	1.741228
1.299543	0.547158	0.429581	0.209715	0.550064	0.642339
10.381583	4.100975	3.766403	3.151334	4.146521	4.014433
0.538271	0.102025	0.086926	0.23892	0.856718	0.286061
1.593537	0.871539	0.728329	0.507454	0.610032	0.458789
3.321465	1.254065	1.138457	0.542916	2.390445	1.235381
3.557306	3.135141	4.075133	2.30501	1.839549	4.167663
20.017723	19.365551	16.517866	10.865491	16.980961	22.026434
9.560034	7.583664	6.739153	4.267598	5.032617	11.14057
26.315441	28.486006	28.200895	21.437849	23.026697	34.570675
3.710943	4.143239	3.730343	2.274307	3.497432	3.76656
32.700878	35.945038	35.105789	27.57126	31.502781	41.080353
0	0	0	0	0	24.874035
28.746004	36.795906	38.900974	23.442717	34.545128	44.265114
0.479465	1.128776	0	0	0	26.398672
0	0	0	0	0	0
2.922256	1.999074	14.693144	10.147178	22.240227	0
30.028507	31.911066	38.427551	21.736866	29.86702	32.623329
14.641535	11.381851	15.535733	8.910714	11.344515	10.411963
43.687725	41.549107	41.562389	38.271828	51.211956	53.318371
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8.331214	3.263685	2.866236	1.384566	2.542134	2.41925
5.415455	0.966746	0.207437	0.095983	0.228023	0.965636
0.075368	0	0.245376	0.481168	0.109718	0
0	0	0	0	0	0
2.6724	31.916628	0.498217	3.197925	3.537618	10.136274
0.941363	10.643231	0.776083	1.519773	2.584325	0.451282
12.406127	15.79009	14.659233	7.82829	11.954414	15.0194
6.264459	6.787226	12.957755	5.071583	5.387057	9.262545
3.987191	1.663907	2.046079	0.878894	2.229254	1.138212
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16.782502	16.525569	26.889423	12.685063	18.493105	15.126483
0.411975	0.757086	0.443675	0.412352	0.738626	0.272035
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0.090811	0.077861	0.021966	0	0.161619	0
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0.061696	0.035264	0.223842	0.041291	0	0.028062
0.299722	0.138914	0.666857	0.191226	0.133881	0.947789
8.626682	6.557736	7.25563	6.001271	6.042122	5.673021

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10.286257	8.168036	11.350636	12.449235	15.169393	10.388602
43.570757	33.261539	29.147296	17.773756	30.375565	36.294666
5.118099	3.237769	6.378422	2.388921	4.368019	1.49087
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0	0	0	0	0	0
0.710118	0.548805	0.241752	0.22117	0.408711	0.442511
7.187065	7.748169	9.813939	7.208354	7.772414	10.922046
0.377266	1.284857	0.072665	0.246262	0.187971	0.313481
0.04883	0	0	0	0	0
0	0	0	0	0	0
17.899462	14.717186	16.3801	12.250877	15.675041	18.064205
28.815922	25.449251	30.078424	21.773464	33.19606	18.652739
0.284774	0.385037	0.239376	0.104186	0.121414	0.155774
0.599338	0.36801	0.18067	0.045502	0.364327	0.160287
2.647889	3.029889	3.83259	2.321323	3.003007	2.890691
58.502884	23.678741	23.59568	20.298891	23.617357	38.381432
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43.275204	37.283672	27.587416	26.801489	28.887833	44.291744
0.235564	0.729489	1.315169	0.498547	1.07345	0
19.943052	22.058994	25.61648	13.344464	17.789192	15.481645
1.265398	1.661062	1.544924	1.051545	2.142694	0.764145
2.861558	3.009101	6.087824	5.490342	3.435122	3.558637
95.473068	102.231392	91.460571	66.729347	104.454697	96.245628
38.021969	61.481874	35.527032	26.988103	27.862056	43.340656
16.102257	17.398752	16.583094	16.652781	14.170602	18.669661
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2.979568	3.180429	4.224555	5.195289	3.368261	2.241467
44.686535	30.654608	39.557121	24.618055	28.990128	74.740273
8.304879	6.485852	7.452621	6.293949	6.433139	7.453787
65.117241	56.495216	57.694141	81.947884	61.642784	63.966061
166.611298	182.815002	95.324112	92.815552	95.294846	174.973663
28.477031	27.522678	28.97716	26.254576	23.853393	28.823755
2.01749	1.639079	1.873143	0.767486	1.719169	0.458373
0.285907	0.334416	0.490226	0.432026	0.602928	0.16632
0.582447	0.46732	0.200978	0.138654	0.21696	0.946858
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15.343972	10.924359	13.492027	11.962266	14.850512	11.141922
0.90095	0.151346	0.204258	0.282117	0.153844	0.626254

56.105919	39.52552	31.669336	15.65467	26.663172	49.621201
0.422903	4.714435	0.136321	0.313767	0.186035	0.344862
3.343917	3.614233	6.080347	2.552759	4.710258	2.415935
2.506284	3.403978	6.180179	3.410712	5.175495	2.340352
69.452293	72.365685	98.504288	73.265945	88.081741	69.417084
78.181831	104.753044	68.646355	48.135983	53.243576	81.006332
98.90432	61.522121	55.436649	27.515186	40.899315	48.187603
1.216914	10.470862	0.210515	1.023628	1.583122	0
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0.455143	0	0	0	0	0
0.71057	2.821432	0.544152	0.503169	0.317513	0.403645
35.779398	34.344096	46.255464	27.712827	35.817095	36.083427
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63.680408	60.038975	44.95401	47.620884	52.974716	66.514595
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1.350653	1.039733	0.609999	0.587374	1.013826	0
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121.904381	140.961273	209.083405	159.817978	149.503937	156.213791
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2.502925	2.919626	2.280493	2.551863	2.260873	2.58504
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117.66214	133.37442	92.112396	95.981216	93.96534	128.210297
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0.090165	0.270057	0.09814	0	0.218874	0.092275
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5.105236	2.37019	3.167638	2.195732	1.584301	1.753185
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0.693545	0.207886	0.42986	0.555931	0.343818	0.682316
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0.271107	0.209879	0.193314	0.342455	0.181906	0
0	0	0.080443	0	0	0
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0.118393	0.364082	0.085911	0.475428	0.114651	0
0	0	0	0	0	0
0	0	0	0	0	0.086594
0	0.163964	0.188116	0	0.112917	0.234088
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7.262396	4.272495	4.125589	3.333742	3.943301	17.232464
0.33933	0	0.184816	0	0	0
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0.053068	0	0.049511	0	0.044039	0
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0.353341	0.202474	0.506366	0.190575	0.527891	0.168372
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0	0	0.047141	0	0.030605	0
1.039891	0.840647	1.094087	0.79578	0.456208	0.980787
0.338537	0.084967	0	0	0	0
0.035694	0.013873	0.03885	0	0	0
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1.644822	0.98296	3.588965	2.006153	2.827084	0.318576
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0.201688	0.539825	0.371057	0.029036	0.454567	0.37835
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1.966885	0.334938	0.080991	0.11205	0.966478	0.872688
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2.703631	3.461353	3.943547	3.374479	2.967274	4.464109
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0.104984	0.190107	0.304926	0.288643	0.553664	0.141346
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0.494456	0.851795	0.985198	0.540424	0.617304	0
0.917216	2.419632	0.398115	0.787338	0.56574	7.556521
0.462602	0.280957	0.709025	0.428858	0.239195	0
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5.641422	3.964036	3.81358	2.162841	3.138048	1.918374
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1.977013	2.450341	2.212398	0.751256	0.419693	2.517806
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0.257609	0	0.411179	0.142097	0.104191	0
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7.132684	5.981265	6.32862	4.134667	4.844236	4.297442
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0.088953	0.255173	0	0	0.094803	0.505224
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0.817008	0.986695	0.675321	0.998524	1.064479	4.320462
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3.33825	2.56955	1.137313	1.442283	2.418359	4.722685
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1.220906	1.024173	0.940601	0.352508	0.588647	1.344636
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2.74393	0.697723	0.508831	0	0.338805	0
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0.46687	1.942874	0.51823	0.857372	1.365966	0
0.260493	0	0	0	0.146665	0
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0.984458	1.169927	1.384855	2.026544	1.065874	1.21426
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70.393745	54.527901	55.620026	47.605377	43.222828	71.479668
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0	0	0	0	0	0
0	0	0	0	0	0
2.536419	2.768737	2.248237	1.914896	2.563512	2.147464
0	0.503406	1.031657	0.937863	0.964577	0.595293
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0.074082	0	0	0	0	0
0	0	0	0	0	0
0.294	0.191907	0.104321	0.086428	0.134047	0.345757
0.476952	0.692357	0.794727	0.501534	0.533755	0.208778
0.395	1.383883	0.473667	0.33119	1.833062	1.279059
0.498552	1.422512	2.401903	1.673811	1.010714	0
3.963036	1.241636	0.290403	0.282029	0.517214	2.182962
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
186.849258	200.942368	140.485611	164.606812	166.589737	199.822968
0.421115	0.232638	1.46626	0.324614	0.373509	0
0	0	0	0	0	0
0	0	0	0	0	0
1.256615	1.444077	0.649838	1.013949	1.128601	0.753577
0	0	0	0	0	0
0	0	0.135682	0.058401	0	0
0	0	0	0	0	0
0.221963	0	0	0	0	0.227689
22.637497	18.991673	9.162766	12.207558	8.392364	16.743071
0	0	0	0	0	0
0	0	0	0	0	0
4.950788	5.688108	4.802333	7.097076	10.161703	3.382107
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0	0	0	0	0	0
0.412275	0.275606	0.436093	0	0	0
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0	0	0	0	0	0

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4.37412	4.52466	5.338381	3.260372	3.687882	4.201506
11.247193	2.810608	4.995094	3.081428	5.167801	2.074168
0.066656	0	0	0	0	0
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0	0.184317	0.151647	0	0.401529	0
0	0	0	0	0	0
0.631647	0.539957	0.498183	0.601083	0.504589	0.598677
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6.439806	3.001994	1.9519	1.945282	1.708972	2.569933
0.179924	0	0.133224	0	0.090097	0
0.128596	0	0	0	0.05271	0
2.035149	1.366801	2.358211	1.771202	2.435134	2.206647
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0.833259	0.180186	0.450152	0.280481	0.360463	0.658716
0	0	0	0	0	0
0.829484	0.507995	0.656537	0.049294	0.391207	0.630925
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0	0	0	0	0	0
1.550499	0.775607	0.843343	0.613331	0.664985	0.65144
0	0	0.100464	0	0.044691	0
0	0	0	0	0	0
0.122499	0.05213	0.077052	0.081347	0.042702	0.066434
0.050621	0.014487	0.095412	0.042427	0.064838	0.040556
0	0.014487	0.057687	0.042427	0.022656	0.040556
0	0.046566	0.061459	0.084854	0.022656	0.081112
0	0	0.056978	0	0.038019	0
0	0	0	0	0.030662	0.287748
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0.028613	0.161439	0	0	0	0
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0	0	0.031527	0	0	0.020804
0.035895	0.040395	0	0.03018	0.130395	0

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0.449421	0.430391	0.173665	0	0.098405	0
0.197737	0.02381	0.562462	0	0.381106	0
0.068424	0.076854	0.077882	0.196471	0.088371	0.074656
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3.025417	1.820662	3.354156	1.758811	4.003103	2.623012
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3.949084	4.512672	3.703167	3.328117	3.337414	4.934922
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3.465269	0.54962	0.199354	0	0	1.372067
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0	0	0.212953	0	0	0.220249
0.194881	0.139666	0.180146	0.196016	0.245656	0
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5.620687	4.967202	1.788081	1.580893	4.852393	2.651981
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0	0	0.063597	0	0.192684	0
54.416909	51.489686	78.386609	79.137015	102.712554	72.181793
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0	0.073182	0	0.248815	0	0.145589
1.410101	0.635014	0.488544	0.584918	0.520153	0.728352
0.79518	0.146486	0.58527	0	0	6.579669
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2.884386	2.862037	5.443187	3.053239	3.093957	3.755736
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0.611944	1.050106	0.224601	0.377526	0.738076	1.53051
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0.82433	0.587312	1.063269	0.582119	0.601414	0.999278

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0.778599	0	0.489304	0.534524	0.543105	0
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2.119919	1.338464	1.568688	1.231754	1.517272	1.194274
2.879675	1.937127	3.39435	2.440767	2.468775	1.695468
1.631197	0.778521	2.058109	1.550395	1.697443	1.083703
0.361382	0.126838	0	0	0.101143	0
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0.12142	0.069403	0.291009	0.081263	0	0
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3.885813	2.066851	1.045993	0.729031	1.338843	1.241967
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4.201435	3.264067	4.839992	2.140765	3.236459	2.131575
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1.019839	0.694375	2.671376	0	0.952909	0.484378
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0.158793	0.100422	0.053566	0	0.108677	0.13576
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0	0	0	0	0	26.104012
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0.260134	0	0.232721	0	0	0
0.076256	0	0.145435	0	0.147019	0
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0.129923	0	0	0	0.101913	0
0.330712	0.378067	0.279974	0	0.160849	0.863935
0	0	0	0	0	0
0	0.157281	0.896961	0.569455	0.558719	0
7.733344	7.232988	7.841496	7.891484	6.736567	7.86187
19.252226	19.777849	26.31679	46.880199	28.339125	25.759445
0.519143	0.366682	0.485659	0.271229	0.328504	0
1.236429	1.015986	1.012021	1.319523	1.279573	0
1.779924	1.655354	1.612665	0.714091	1.085531	1.102168
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2.409904	2.302805	5.199217	3.265301	4.314313	1.144339
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0	0.229632	0.048645	0	0.125695	0
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2.830512	2.794954	1.354166	1.492482	1.151902	3.110676
0.094576	0	0	0	0	0
0	0	0	0	0	0
1.580815	1.477442	1.999577	3.039539	2.285881	1.525
0.187445	0.160714	0	0.171869	0	0
0.847592	0.711921	0.699551	0.258372	0.913902	1.346218
1.646748	1.253309	1.792013	0.645938	2.139591	0.774469
0	0.084307	0	0	0	0
0.964911	0.48352	1.210155	0.442405	0.595359	0.877306
2079.900391	2842.922607	3439.57959	4338.254395	3457.997314	2471.098877
0.585771	0.382522	0.320276	0.220141	0.538832	0
2.704612	2.306308	4.528105	2.305088	3.586988	2.12807
1.340121	0	0	0	0	0
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3.018899	5.210915	8.618681	7.910604	8.806651	6.152638
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0.417117	0.224764	0.397165	0.579969	0.381451	0.141454
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0	0.396539	0	0	0	0
1.54874	0.453021	0.18923	0.370672	0.568784	0.261648
0.917666	0	0	0.068351	0	0
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1.093652	0	0	0.731952	0	2.072688
0.474665	0.481843	0.147621	0	0	0
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0.571903	0.471931	0.777487	0.259143	0.821088	0
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15.182673	12.46276	8.003974	6.005246	5.04784	14.476749
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0.316825	0	0	0.209486	0.213955	0
0.467452	0	0	0.317032	0	0
0.130937	0.14033	0.142519	0	0	0
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0.047895	0.041064	0	0	0.225234	0.081693
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0.283341	0.356642	0.275835	0.233564	0.228902	0.355963
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0	0.064941	0.046446	0.096387	0.047534	0.010481
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0.268582	0.474483	0	0	0.263701	0
0	0.288571	0	0	0.055117	0
0.498661	0.477233	1.09335	0.796063	0.649699	0.304268
1.948779	2.318636	6.306084	1.177175	3.224781	0.575025
5.008256	3.289509	1.961237	2.449384	2.96541	3.781178
0	0	0	0	0	0
5.917811	3.035699	4.17657	3.596404	3.723263	1.633069
1.126398	0.098817	1.050385	0.658325	1.100607	0.7077
0	0	0	0	0	0
1.010203	2.375615	0.531001	0.163047	1.303492	1.326384
0.051013	0	0	0	0	0
0.191643	0.359815	0.224207	0.164092	0.257464	0.366677
9.617939	7.702607	7.463684	8.736967	5.441709	8.888699
3.531203	2.735616	4.367108	2.26375	2.526022	2.811338
0.571825	0.337915	0.670284	0.439231	0.711612	0.39014
0	0.120532	0	0	0.09376	0
0	0	0	0	0	0
2.329405	1.908268	3.383659	1.54891	1.865579	1.669983
0	0	0.079248	0	0	0.095183
1.155109	0.830662	2.430314	0.665607	0.609093	1.358885
0	0	0	0	0	0
0	0.205974	0	1.039945	0	0
0.063172	0	0.089131	0	0	0
1.869892	0.883875	1.255449	1.233837	1.046306	0.237253
0.238309	0.143409	0.338756	0.164398	0.281945	0.211934
6.793097	3.57667	5.713978	3.741097	5.486384	3.089483
0.174066	0.139808	0.368953	0.260551	0.198719	0
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6.06555	4.66865	7.349603	4.671475	5.454912	3.90794
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1.204159	0.977146	2.562889	1.018213	1.756007	0.987097
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0.177383	0	0.064358	0	0.345872	0
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0.683931	0.304885	0.643365	0.446234	0.695688	0
0.203599	0	0.13059	0.119535	0.198042	0
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0.699269	0.239414	0.057083	0.075386	0.15396	0.32203
1.225335	1.225733	1.010184	0.626219	1.118967	0.077681
0.296051	0.120985	0.17209	0	0.145477	0
0.155511	0.118841	0	0	0.105183	0
0.006933	0.002056	0.003115	0.01827	0.011977	0.004147
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835.31282	916.254349	927.085937	950.718109	923.151962	1122.887772
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0.706284	0.261199	1.091306	1.84623	1.092862	0
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4.171232	4.013189	3.933282	3.865534	4.523108	4.740382
0.147368	0	0	0	0	0.158076
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0.222953	0.154208	0	0.090482	0.380963	0.102487
0.670666	0.986593	1.745358	0.599457	0.500256	1.426131
0	0	0	0	0.163837	0
0.373377	0.270088	0.135748	0.265947	0.085355	0.255535
0.052873	0.068456	0	0	0	0
0	0	0	0	0	0
1.755176	1.248408	1.227089	0.579116	0.533623	1.074435
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0.33871	0	0	0	0	0
8.653499	3.277203	8.105892	9.006728	9.48687	12.633986
1.818793	1.121692	3.626736	1.460459	1.655354	0.542426
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2.512095	2.096289	6.743488	2.968026	3.151376	3.266651
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1.959662	0	0	0	0	0
0.411229	0	0.357014	0.088954	0.46453	0
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0.693477	0	0.147993	0	0	0
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0.044119	0.016304	0.055196	0.216872	0.074656	0.090821
4.331107	3.815291	4.139435	1.883299	2.109482	1.237415
0.551429	0	0	0	0	0.369429
5.638403	2.84489	3.632989	2.401685	1.996249	4.062629
0	0	0	0	0	0
0.373888	0.139028	0.145378	0.22669	0.232474	0.024229
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2.590928	1.912895	1.631129	0.916708	1.580052	1.159583
0	0.432795	0	0	0	0
2.295702	1.313968	1.595506	0.808644	0.599833	1.669142
0.930032	0.951099	0.63494	0.1666	0.259555	1.20065
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0.074533	0	0.097063	0	0	0
0	0	0	0	0	0
0.101648	0.080648	0.340176	0.565061	0.357366	0.40369
0.041565	0	0	0	0	0
1.810503	2.910735	3.999564	1.740277	1.486536	3.476281
8.214045	5.687093	7.361917	8.777055	2.613353	13.093037
0.082588	0	0	0	0	0.469564
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
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0	0	0	0	0.112876	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0

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0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0.06237	0	0	0	0
0	0	0	0	0	0
0	0.056434	0	0	0	0
0	0	0	0	0	0
1.02318	0	0	0	0	0
0.274846	0.091338	0	0	0	0.327069
0	0	0	0	0	0
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0	0	0	0	0	0
0	0	0	0	0.257048	0
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0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
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0	0	0	0	0	0
0	0	0	0	0	0
0.140188	0.296242	0	0	0	0
0	0	0	0	0	0
0.231027	0.464878	0.618194	0.432697	0.59615	1.064376
0	0	0	0	0	13.449589
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
2.01426	2.21993	2.052836	0.450546	1.215504	1.001357
16.627569	4.196543	5.005175	1.111101	2.291202	5.992686
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0	0	0.095293	0	0.059723	0
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0.136698	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	46.045296
0.25891	0	0	0	0	0

0.568266	0.603787	0	0	0	0
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0	0	0	0	0	0.486296
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0.42875	0.643114	3.449947	3.43339	2.307844	0.355492
1.10135	0.602343	0.961475	0	1.573363	1.38861
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0.812988	0	0	0	0	0
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0.712403	0.703466	0.865051	1.245376	0.927007	0.545633
0	0	0	0	0	0
0.246165	0.17181	0.328993	0.061661	0.694009	0.305315
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0.670312	0.667249	0.326621	0	0.232488	0
0	0	0	0	0	0
0	0.182286	0.111536	0.063686	0.174447	0
0	0	0	0	0	0
0	0	0	0	0	0
1.150868	0	2.792017	1.241591	0.842942	0
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0.312793	0.321823	0.223343	0.251214	0.776908	0
0	0	0	0	0	0
0.289557	0	0.207283	0.344329	0.233091	0
0.156504	0.38705	0.803734	0.346139	0.204806	0
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0.710761	1.68125	0	0.284174	0.535066	1.309534
0.547317	1.345	0	0.189448	0.356708	1.122458
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1.336326	1.811545	3.227436	1.688608	1.694169	1.444212
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0.074064	0	0	0	0	0
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4.840554	4.948398	5.900849	3.632087	5.305311	4.934504
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0.258366	0.481216	0.198043	0.09133	0.223221	0.744828
51.891487	103.94236	38.688541	34.571777	44.75436	42.571201
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0	0.182724	0	0	0.167967	0
0.242066	0.814602	1.728206	0.729039	0.579697	0.394778
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0	0	0	0	0	0
0.435423	0	0	0	0.224851	0.331192
0	0	0	0	0	0
20.323549	26.863987	15.891201	15.974869	16.039347	22.768711
0.217998	0.181095	0.259076	0.036475	0.142639	0.074367
0	0	0	0	0	0
0	0.245438	0	0	0	0
3.949128	3.977468	6.063016	4.911533	5.223425	4.780247
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0.248964	0.337161	0.095755	0.192531	0	3.892399
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0.232099	0.076876	0.158568	0.152638	0.159786	0.11562
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1.285016	0	0	0	0.480322	0

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1.229786	3.393742	5.351246	4.12332	1.186445	0
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0.062086	0	0	0	0	0
0	0	0.618861	0	0	0
0.130399	0.144523	0.088996	0	0.07667	0
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0.394851	0.252387	0.143259	0.197316	0.129178	0
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0.343698	0.926711	0.534136	0.260376	0.284687	0.378708
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0.854012	1.423186	1.46827	0	0	6.776434
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0	0	0	0.09671	0	0
0.096598	0	0.186579	0.128634	0.124914	0
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0	0.122112	0	0	0.062498	0
0.089997	0	0	0	0	0
2.053662	3.3721	0.943837	0	0.191478	1.382897
0.008179	0.45977	0.38105	0.01151	0.252995	0.386816
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0.375373	0	0	0	0	0
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3.815057	5.524767	4.537897	3.216106	3.385708	2.218952
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0.800443	0.562222	0.471485	0.230765	0.277997	0.75937
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4.023317	2.008151	1.758911	1.441429	2.602468	1.886645
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0	0.080416	0	0	0	0
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0	0	0	0	0	0
2.19581	0.401041	0.346485	0.16196	0.413383	0.681845
0	0	0.025277	0	0.239323	0
0	0	0	0	0	0
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0	0	0	0	0	0
7.369905	2.861477	7.721183	5.132735	5.405822	4.940997
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0	0	0	0	0	0
0	0.182586	0	0.692688	0	0
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26.507086	29.897463	23.386541	19.1488	19.70969	33.766899
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0.973254	0.588682	0.693413	0.527662	0.484583	0.529529
0.35168	3.056336	0.571604	0.852015	0.345495	0.121386

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0.985188	1.412045	1.715303	2.49576	1.455457	1.518092
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0.882038	0.175439	0	0	0.051521	0
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0.344114	0.065662	0	0	0	0.28754
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0	0	0	0	0	0
0.367481	0.391706	0.104381	0.349566	0.225891	0.292335
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0	0	0.08196	0	0	0.058324
0	0	0	0	0	0
0.146077	0.044754	0.243091	0	0	0
0	0	0	0	0	0
0.629876	0.540507	0.99251	0.589913	1.122874	1.013014
2.52286	1.273197	0.381327	0.80033	0.691933	0.567155
0.28919	4.18122	0.277931	0.635418	1.08802	0.547634
0	0	0	0	0	0
0.454454	0.245397	0.141749	0.084822	0.213175	0.412287
0.074213	0.201019	0	0	0	0.441831
1.673512	0.767926	1.07077	0.422108	0.508962	0.784112
0.041924	0	0	0	0.131534	0
0.647183	0.069477	0.117601	0.034167	0.318125	0.055286
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0.55032	0.14657	0.107778	0.111478	0.175022	0.220062
0	0	0.09551	0	0	0
0.303101	0.290895	0.360155	0.442771	0.429534	0.177239
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0.073438	0	0	0	0	0
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0.765746	0.595585	0.212625	0	0	0.519786
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17.564812	18.528074	18.193192	18.004419	19.127876	18.591124
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0.401265	0.440139	0.756118	0.280262	0.518037	0.631781
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0.278591	0.27761	0.219875	0	0.168199	0.36924
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0.069829	0	0	0	0	0
0	0	0.060978	0	0	0
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0	0	0.274402	0.631033	1.096942	0.344004
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0.323909	0.166948	0.304229	0.139627	0.204455	0
0	0	0	0	0	0
0	0	0	0.387847	0	0
0	0	0	0	0	0
10.348741	10.358562	6.487687	6.101701	5.691049	11.57173
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2.780633	1.748748	0.533756	1.093994	0.379686	2.986983
0.022759	0.099404	0.036041	0.08306	0.07253	0.109335
0	0	0	0	0	0
1.552388	0.750781	1.122558	1.09113	0.711839	0.99251
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1.738993	0	0.153754	0	0	0
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0.024786	0.01932	0	0.031986	0.180286	0
0	0	0	0	0	0
0	0	0	0	0	0
27.788172	25.019159	4.467866	8.025311	17.232466	11.079389
1.077461	0.45435	0.237152	0.175334	0.149054	0.655587
0.851643	0.986597	0.447776	0.577773	0.562116	0.979989
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0	0	0	0	0	0
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12.960146	0	2.715451	4.690453	6.715837	0
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3.848049	5.286519	4.589484	3.335053	5.174815	3.483246
0.573882	1.010603	1.190517	1.512229	1.037014	1.089101
0.173636	0.151005	0.566983	0.217893	1.148615	0.291412
0.761478	0.747783	0.153155	0.175114	0.264811	0
0	0	0	0	0	0
1.105583	0.219425	0.30951	0	0.328454	0.576595
0.993579	0.804559	0	0	0	0
0	0.469013	0	0	0	3.561154
1.273401	1.69205	3.743653	1.103212	0.852775	1.16521
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0.453689	0.318974	0.450358	0.290991	0.730928	0.42828
0.004375	0.002561	0	0.007479	0.006576	0.008955
60.138035	47.798378	36.625679	40.007217	38.352268	51.917397
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15.084886	17.905594	13.029198	10.842779	20.239124	13.622521
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14.255039	15.882948	22.340748	17.541886	17.770121	17.150429
0.52739	0	0.044914	0	0	0.280275
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1.616414	0	0.69346	0	0	0
0.08215	0.101577	0.077201	0.055846	0.028018	0.052419
0	0	0	0	0	0
0.083802	0.04814	0.027365	0	0.269449	0.104632
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19.914143	15.770782	10.667975	11.984182	12.573716	17.490515
7.615055	7.991325	12.100251	9.424072	8.688757	8.020245
0.206212	0.059597	0.30196	0	0.136443	0
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0.087897	0	0	0	0.334289	0
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1.602412	4.207633	0.284157	0.353815	0.917803	1.492973
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0.116053	0	0	0.116819	0	0
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2.598299	1.991005	3.113718	2.014492	2.851999	1.928721
0.112439	0.013037	0.011034	0	0.030269	0
0	0.077602	0	0	0.030632	0
0	0	0	0	0	0
16.972765	2.722827	5.812753	2.780606	7.119182	0.912641
0.46111	0.318342	0.269423	0.369194	0	0.958281
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0	0	0.29534	0	0	0
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2.39185	2.948605	2.799192	2.40388	3.181844	1.579588
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0.4024	0	0.319106	0	0.421272	0
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171.563904	216.134018	236.29718	406.378113	326.163757	170.237991
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0.573719	0	0	0	0.098628	0
0.280648	0.240091	0.677471	0.358634	0.315828	0.283618
0	0	0	0	0	0
0.14006	0	0.026954	0	0.406441	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
1.328593	0.463467	0.429004	0.871032	0.426135	0.387567
18.105425	29.605574	29.283762	31.061348	27.392752	16.974388
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0

0.700628	6.011144	1.494175	2.677035	3.456625	1.820948
0	0.413902	0.181664	0	0.120991	0.33513
0.04892	0	0.089227	0	0.194652	0.101034
2.903039	2.211015	1.573125	1.908414	1.476383	0.820784
0	0	0	0	0	0
17.76268	18.640263	24.875048	20.419418	19.538645	17.997768
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0.073182	0.067497	0.032994	0
0	0	0	0	0.032252	0
0	0	0	0	0	0
0	0	0	0	0	0
1.768031	1.648121	0.532897	0.414707	0.540582	0.091441
0	0.060879	0	0	0	0
1.397587	0.646769	0.655478	0.651609	0.701375	1.14992
1.576357	0.388703	1.141379	0.946918	0.411873	1.707911
0	0	0	0	0	0
0	0.673153	0	0.132247	0.38787	0
95.65052	64.753952	44.865643	31.526344	41.613701	75.968094
11.198283	14.777557	12.358143	13.114085	14.45292	7.356857
94.471428	97.191818	72.219803	43.667042	54.535145	110.833252
0	0	0	0	0	0
0	1.231859	0	1.571796	0	1.051189
0.080594	0.071854	0.049812	0.017375	0.06497	0.139767
0	0	0	0	0	0
0	0	0	0	0	0
0.203935	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0.156572	0.144201	0.06963	0.011945	0.092558	0.083891
0.300103	0.154796	0.218348	0	0.413462	0
0	0	0	0	0	0
0	0	0	0	0	0
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0	0	0	0	0	0
0	0	0.275475	0	0	0
0	0	0	0	0	0
0.294841	0.325952	0.265239	0.258865	0.337098	0.527902
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0.108019	0
0	0	0	0	0	0
0	0	0	0	0	0

1.635	1.617728	1.930418	1.817299	1.87879	2.449448
0	0	0.012769	0.007623	0	0
5.585113	4.127392	2.686746	2.331248	2.949364	4.735585
0	0	0	0	0	0
0.062869	0	0	0	0.061704	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
18.173859	19.205051	14.382006	24.570238	20.390009	23.973148
0	0	0	0	0.028108	0
0	0	0	0	0	0
0	0	0	0	0	0
0.092518	0.040894	0.069842	0.006459	0.101033	0.039331
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0.173026	0	0	0.125278	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0.27874
0.721994	1.423072	0.601863	0.426555	1.272857	0.933176
0	0	0	0	0	0
0	0	0	0	0	0
0.145428	0.286394	0.085741	0.13231	0.227481	0.638737
0	0	0	0	0	1.137034
0	0	0	0	0	0
0	0	0	0	0	28.71212
0	0	0	0	0	0
0	0	0.132797	0	0.179616	0.04162
2.269109	1.958854	2.910752	2.711428	2.449046	4.127436
0	0	0	0	0	0
0	0	0.716296	0	0	0
0	0	0	0	0.11489	0
0.402331	0.265855	0.23954	0.296817	0.280765	0.442404
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0.029811	0	0.01871	0.006788	0.008849	0.058434
0.737066	0.804008	0.955839	1.099028	0.741122	0.71882
0	0.354856	0	0	0	0.378185
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0.381088	0.098526	0	0	0	0.241524

0	0	0	0	0	0
0	0	0.025797	0	0	0.049508
0.308797	0	0.077572	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0.075884	0.223354	0.315944	0.049955	0.171748	0.162394
12.86101	8.512507	11.10008	6.89132	9.174336	11.30711
0	0	0	0	0	0
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0	0	0	0	0	0
0.474539	0.583057	0.179658	0.148199	1.064176	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0.022867	0.126544	0.122891	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0.299719	0	0.301003	0	0.644026	0
0	0	0	0	0	0
5.630524	3.872691	3.389381	1.390067	2.635142	5.249442
0.400046	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0.352865	1.253303	0.213619	0	1.238393	0
0.110846	0	0	0	0	0
0	0	0	0	0.453648	0
21.867439	17.11832	9.248404	5.681637	13.135514	26.790161
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0	0	0	0	0	0
2.015513	1.290783	0.494344	0.487242	0.758648	1.598014
0	0	0	0	0	0
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0	0	0	0	0	0
0	0	0	0	0	0
0.688966	0.867695	0	0	0	0
0	0	0	0	0	0
0.422462	0.515555	0.588983	0.342975	0.292738	0.400738
0	0	0	0	0	0
0	0	0	0	0	0
0.004936	0.065828	0.045294	0	0.09359	0.139861
1.735574	1.898634	0.948366	0.933354	1.086442	1.400881
0	0	0	0	0	0
0	0	0	0	0	0
0	0.318936	0	0	0.073018	0
0	0	0	0	0	0
0	0	0	0	0	0

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0	0	0.10819	0	0.077297	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
1.4759	0.916728	0.522394	0.864309	0.722665	0
0.943411	0	0.236988	0	0	0
0.382274	0.489453	0	0.063962	0.353513	0
1.001802	0.656387	1.25119	0.413515	0.633617	0.709569
7.654371	6.576521	12.316409	0	0	8.980951
0.011754	0.005039	0.01082	0.0059	0.057682	0.035607
1.391741	3.294483	4.60648	0	3.277662	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0.573062	0.449399	1.169423
0	0.040536	0.057179	0	0	0.064514
0	0	0.230273	0	0	0
0	0	0	0	0	2.754204
0.910203	0.402431	1.022755	0.61304	0.302001	0.451851
0.817858	1.475171	2.831846	1.759189	2.625558	0.986539
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	5.320129
0	0	0	0	0	0
0	0	0	0	0.256579	0
9.906618	9.385942	8.829019	7.088035	7.511221	7.560606
0	0	0	0	0	0
10.768085	13.98996	11.987222	9.819397	10.031358	19.941879
4.572591	5.038238	5.535389	4.397609	5.810266	3.89965
8.423278	9.477061	14.782398	9.864399	11.154438	8.577803
17.400082	11.908796	13.697503	11.200829	10.77779	11.565972
45.087358	36.95814	26.15205	23.723759	24.979601	40.114305
18.748323	13.784342	20.839472	9.471094	13.170207	12.591939
0	0	0	0	0	0
0	0	0	0	0.185804	0
0	0	0	0	0	0
51.788681	52.347984	41.116776	37.966118	35.941532	69.736504
31.217505	32.120609	37.163559	28.399048	36.285973	32.708504
15.756802	13.649974	6.126382	6.889333	6.740468	13.660406
8.933594	5.55036	6.211879	3.385922	4.07162	10.971506
21.458374	19.842865	21.616112	13.735755	15.989949	23.983503
11.414285	9.181287	8.819268	9.223562	7.320209	12.706861
30.84749	29.047409	20.890516	13.004941	18.840511	66.696709
18.317854	13.998916	17.682592	6.572606	14.652883	13.282433
11.904162	11.772671	16.145891	12.047915	16.459879	10.388231
0.179743	0.153596	0.114125	0	0	0.352162
9.168604	7.680295	5.08853	2.326408	1.939635	6.660613
0.425313	0.407928	0.10203	0	0.209962	0.389792
294.117859	254.418488	215.328537	141.295837	183.032043	223.208939

40.976479	36.215508	44.423126	42.767464	38.90675	47.85804
1.915703	1.261649	1.163274	0.674737	0.922084	0.619649
1.018861	1.113581	1.48174	1.31457	1.844143	1.182327
15.777831	11.593979	10.464467	8.518723	10.734292	9.378528
260.805237	277.690726	351.661789	254.155476	331.023778	301.506145
0	0.298965	0	0	0	0
0.682866	0.455267	0.531558	0.42932	0.57831	2.041234
0	0	0	0	0	0
0.187291	0.103486	0.067952	0.062675	0	0.071316
146.753101	139.684764	126.630264	100.823866	112.259767	181.568753
2.606369	2.866186	2.366344	1.561634	1.78745	2.683703
210.087402	208.802551	194.097488	137.092773	173.370621	226.265884
1232.565796	1817.991455	2828.666504	3329.424561	2789.521484	1830.388672
0.077256	0	0.267309	0.165344	0	0.168554
15.099164	18.383532	23.933565	15.807095	20.351528	18.978893
4.040602	3.539634	1.962073	2.277511	3.397671	3.210848
3.559296	4.130878	3.210521	1.666343	2.416879	3.787927
96.727547	95.141335	103.535095	113.499855	79.493759	87.552811
33.492912	24.641306	14.779117	19.524147	34.416573	23.855387
16.253312	13.652599	12.69383	11.792414	15.175592	12.365283
0.901981	0	0	0	0	0
11.198404	7.503494	6.374374	5.605614	6.145331	4.335485
0.386723	0.152421	1.200875	0.179051	0.114728	0.30523
0.259697	0	0	0	0	0.188852
176.862686	170.189087	167.814972	161.231445	172.146515	171.710648
0.718736	1.144695	1.921724	1.018009	1.309481	0.994475
1.726171	2.235312	5.605053	1.834889	5.548535	2.608182
0	0.077341	0	0	0	0
55.798654	73.641879	29.806063	34.024208	39.600573	59.813245
41.024445	46.128166	34.119068	27.844681	34.853367	39.923344
26.139269	23.340828	33.692471	21.711369	24.818953	31.660583
52.77439	40.195178	39.754965	48.270341	42.387211	49.4115
6.540685	7.037622	6.310064	6.735549	7.581381	3.723704
11.810826	26.340515	1.053215	3.25465	1.524715	8.736908
22.637243	19.398054	22.951595	12.830274	16.674908	21.755831
21.048269	13.664204	18.176786	12.12736	14.543174	16.766426
6.074639	4.827774	7.844106	7.742425	8.162474	5.721192
11.998138	11.747087	9.777699	11.185129	9.457751	13.244139
13.992202	8.310043	10.640474	6.241537	9.193099	9.676262
21.980816	20.694944	23.470091	16.220047	18.651402	21.229656
3.798906	2.40232	1.184741	0.660734	3.065951	0.691103
0	0	0	0	0	0
62.008858	33.620705	45.681919	22.950554	38.715279	37.511124
4.983846	4.172073	7.006505	4.120864	4.754454	4.032219
25.132163	21.377495	27.090871	16.489774	26.484901	18.755346
5.690452	5.756146	8.187489	5.286618	7.602056	5.127803
13.979081	11.494897	15.446372	9.976155	13.856455	10.929852
16.496866	15.751315	19.061085	12.115999	14.881505	16.29022
47.582957	42.710315	38.934588	35.109946	35.469436	42.254895

0.187517	0.09174	0.378978	0	0.145759	0.182114
10.967265	9.244819	15.550004	11.736765	16.406507	7.890604
20.380907	24.213501	25.903572	15.303696	21.20293	14.327898
14.241591	14.703303	16.458059	10.289129	17.364662	16.782052
23.475491	20.524992	21.03496	18.134008	25.211176	24.322926
11.872106	11.291421	11.924	9.057354	13.280839	11.597162
0.111138	0.318417	0	0.109916	0.323457	8.845436
26.587862	22.599787	21.100199	21.819107	25.178595	25.658529
10.085114	10.164829	13.986352	8.160233	11.653662	8.556891
5.804394	4.642514	5.772005	2.841549	4.759269	3.561192
6.416368	5.875019	8.431132	7.281264	8.769677	6.246186
6.534932	5.356702	6.86111	3.630636	5.266871	5.108197
84.546965	70.948842	62.315333	41.124408	54.537291	74.359942
14.278845	12.033729	13.02352	8.389555	11.552646	12.163173
28.106466	21.855776	20.196072	13.278616	16.054987	23.450169
30.925768	37.061695	34.092476	26.450312	34.25354	42.692326
0	0	0	0	0	0
45.201416	51.246677	45.236977	32.291954	32.82719	53.360806
0.488343	0.399278	0.607568	0.41979	0.56677	0.227527
7.691785	1.682651	2.073819	11.07433	23.030647	4.059237
0	0	0	0	0	0
0.342426	0.237087	0	0.104101	0	0
0	0	0	0	0	0
0.44112	0.220601	0.660135	1.457751	1.103827	0
0	0	0	0	0	25.737989
29.214699	30.455511	23.536814	14.110266	21.010574	23.754297
5.054233	4.252112	4.813154	3.218638	3.447634	4.679207
3.651386	4.153975	5.165656	2.185973	4.146809	1.185044
17.129397	23.769669	16.963636	13.632595	18.748116	18.858345
0	0	0.037891	0	0.056774	0
5.399104	4.283506	4.188302	2.624179	3.718791	4.143489
6.70836	5.664666	6.301134	4.319093	4.710147	7.215586
4.776073	4.459991	6.442237	3.505259	4.288771	4.672921
4.865545	4.799147	7.527294	5.580593	6.780837	5.432302
7.339872	5.737151	4.23083	2.342745	3.98881	7.223747
49.827558	36.381133	24.764851	18.072557	16.18113	32.032409
6.668533	6.348016	11.008994	6.750409	9.056766	6.624298
1.072825	2.582195	0.55489	0.462461	2.046612	0.257722
18.515809	12.175918	13.339417	13.617765	15.276424	11.334968
20.379374	20.550104	26.562519	22.042059	25.44088	21.6628
58.914818	87.976082	63.613422	54.51173	95.016312	89.984474
2.235612	0.571948	0.219478	0.272876	0.786841	0.259781
2.205194	1.263158	0.886497	0.20142	1.888033	0.091461
7.327793	6.824322	5.561067	4.786005	6.193311	6.74943
0	0	0	0	0	0
1.873983	1.724198	2.637235	1.658926	1.968584	1.559125
4.989149	3.954693	6.513167	6.005166	6.167977	5.03255
7.300544	9.652698	0.840497	0.958233	0.327152	15.124226
8.25433	5.780034	4.170824	2.190232	3.038955	7.423195

8.713559	7.061767	9.064352	5.922005	6.545893	13.637944
1.056267	2.07759	4.919161	2.006957	4.250247	3.483148
0	0	0	0.259544	0	0
0	0	0	0	0	0
5.950985	5.234081	7.957111	6.395529	5.989957	4.551827
161.290466	222.224503	283.526367	295.227234	315.779785	155.784149
16.086147	22.885292	16.761894	19.920647	32.148972	17.095348
9.449798	8.214406	10.894297	8.286532	8.201793	10.540091
2.57099	6.260144	3.07846	2.101219	2.880453	1.876201
0.044948	0.247632	0.188422	0	1.047322	0
2.396309	1.79434	0.816159	1.065941	1.757561	0.292342
23.235292	23.216307	17.194046	14.973535	17.00419	24.099623
14.805511	13.066526	8.970539	6.023608	8.089766	20.480871
19.062563	18.101133	20.669811	18.740168	18.94132	26.219805
13.189803	6.205895	4.830911	3.790105	8.530655	3.5916
0.169096	0	0	0	0	0
0	0	0	0	0	0
16.508591	16.186859	16.371305	11.532598	16.668343	16.7966
28.387658	33.124176	29.353416	21.099418	28.799774	26.099233
0	0	0	0	0	0
0	0.0289	0	0	0	0
4.075825	5.828451	3.163496	1.732035	3.010049	1.208546
1.86832	2.464481	11.300179	5.400294	5.150716	1.594257
19.166869	19.103447	20.89596	11.33345	15.221262	15.62406
15.359849	10.328271	18.433657	13.161033	17.722563	11.688288
16.213142	8.996359	16.044466	12.371049	15.056533	11.291466
0.0933	0	0	0	0.081241	0
0	0	0	0	0	0
0.946143	0.471795	1.390679	0.726682	0.611057	0
0	0	0	0	0	0
0	0	0	0	0	0
8.85778	7.511131	6.8401	4.397307	6.615943	5.015963
0	0.078141	0.0496	0	0	0
0.406166	0.41897	0.45093	0.082024	0.287606	0.831882
0	0.121471	0.051402	0.071114	0	0.169157
0.024203	0.35917	0.06755	0	0	0.41072
0	0	0	0	0	0
9.130826	9.48004	9.654014	4.203238	11.943428	5.065377
1.256625	1.272069	1.426432	0.439421	0.415932	0.246178
0	0	0.036104	0	0	0
1.87567	0.837946	2.034698	1.306789	2.156758	1.63444
0	0	0	0	0	0
5.122065	2.576687	2.57201	0.782943	0.977102	3.890713
0.546627	0.455257	1.725765	0.748544	0.958325	0.45373
2.838664	2.34949	4.756738	2.011616	4.039941	0.5803
0	0	0	0	0	0
0	0.038903	0.075782	0.060763	0.067201	0
5.196156	7.258344	2.022756	3.09477	2.360835	3.018756
0.14095	0	0.119668	0	0.039923	0

0	0	0	0	0	0
4.228714	2.379931	1.874878	1.332706	1.818799	1.572776
0.05714	0.047399	0.171244	0.087636	0.088144	0.12277
0.584976	0.33961	0	0.40386	0.398627	0
14.609964	9.551064	9.622281	5.78975	9.549984	9.618033
0.626377	1.554214	0.584758	0.936934	1.527824	0.397971
1.289377	0.641503	1.00286	0.490379	1.046737	0.543852
1.478886	1.942522	6.483538	2.830193	4.498862	3.244186
0.106031	0	0	0	0	0.118525
0	0	0	0	0	0
0	0	0	0	0	0
0.15512	0.098863	0.05478	0.031145	0.151738	0.026458
0	0	0	0	0	0
0.431161	0.169212	0.048381	0	0	0.13647
0.390152	0.243282	0.102949	0.07074	0.104434	0
0	0.022629	0	0.181227	0	0.090032
0	0	0.159062	0	0	0
2.336597	0.752182	1.557804	0.201017	0.628875	1.583629
7.422276	8.894744	5.698093	5.836967	7.64999	4.73882
0	0	0	0	0	0
0	0	0	0	0	0
11.427253	14.602799	12.134054	8.866717	13.346544	14.174825
1.128008	0.968349	0.781806	0.463904	0.638052	0.646854
0	0.064156	0	0	0	0
0.049203	0	0	0	0	0.101386
0.06999	0.100014	0	0	0.061365	0
0.387496	0.531501	0.139293	0	0.175531	0.142357
0	0	0	0	0	0.237448
0.134827	0	0	0	0	0
0.497261	0.25265	0.524541	0.22341	0.527211	0.209424
0.401105	0.43185	0.584625	0.320679	0.245155	0.303421
4.106199	2.413317	1.384479	0.42649	1.350937	1.665982
1.081685	0.39227	0.441033	0.282843	0.75611	0.433791
0.676327	0.377664	0.866017	0.312328	0.406447	0.15121
0.12176	0	0	0	0	0
0	0	0	0	0	0
0.734442	0.674522	0.901348	0	0.426471	1.069494
1.432431	1.292049	0.918105	0.232374	0.454023	0.578043
0	0.043216	0	0	0	0
0.624227	0.18663	0.127469	0	0.237568	0
12.535211	10.969752	12.645504	8.76821	9.682407	15.964886
3.636094	3.551205	4.701984	2.684504	3.661861	2.093542
0	0.068348	0.090045	0.138714	0.058288	0
76.989975	78.199356	63.213295	36.774796	39.371639	86.985962
8.590107	9.995888	26.560546	15.689544	24.756161	7.870772
2.166287	3.182939	1.060474	0.865289	2.177784	1.258238
0	0	0.199115	0	0.160153	0
0	0	0	0	0	0
0.055066	0.062741	0.03978	0	0.03603	0.200037

0	0	0	0	0.12048	0
0	0.248905	0	0	0.095617	0.150334
48.178636	45.199354	39.697628	30.688762	35.943917	48.511917
30.85252	25.057768	29.399017	15.659011	18.740992	24.619539
5.466031	5.122266	8.508515	5.50336	9.438908	4.051574
9.201618	9.293252	11.933369	7.721886	7.841497	13.024131
41.919735	38.048244	20.470112	12.751394	18.460299	29.211514
6.161018	7.226466	4.346829	2.449646	3.158019	17.478437
14.660298	33.682999	24.9757	23.951965	21.897058	23.186316
1004.634094	1212.069458	764.571655	630.845581	678.723938	1106.921265
0	0.855079	0	0.53636	0	200.272842
0.14933	0.064017	0.05418	0.110436	0.073281	10.694925
390.396332	106.362106	60.977879	34.562584	112.629303	103.096275
485.459363	616.264068	491.715023	562.086611	566.191981	560.192642
0	0	0	0	0	0
0	0	0	0	0	0
39.019527	23.481699	7.604155	7.201519	13.762349	10.286862
103.118614	83.081429	65.223824	58.46629	66.433449	84.237633
45.164143	39.693707	52.860302	37.050816	52.019711	28.827559
4.059281	2.622334	5.204836	1.993079	3.997188	4.309092
0.173437	0.79829	0.125852	0.347941	0.254484	0.634255
0.247807	0.468563	2.460341	0.497849	0.349696	0
4.722563	3.858955	2.223131	2.541778	4.140582	8.369309
16.71259	27.606385	33.91803	16.258486	27.034477	22.840039
5.244274	1.908481	1.797792	0.661097	3.11749	2.461367
0.326441	0.224413	0.185036	0.125435	0.448011	0.198026
7.46028	7.202489	10.630947	6.076199	9.498271	7.574348
13.738045	4.726406	4.639847	1.854698	6.365972	2.094591
7.56734	11.027899	5.755691	6.050613	6.720108	7.092922
54.34621	43.491631	36.125904	29.664259	34.991272	51.338108
0.370795	4.349332	0.210558	0.477085	1.188322	7.935937
180.166382	238.683517	170.323608	195.795792	183.496674	166.637894
2.21368	3.50797	6.331583	4.248576	6.92903	2.947027
0.195089	0.21494	0.497688	0.234751	0.246499	0.067741
6.172837	6.275443	5.773475	8.306919	16.075562	15.77085
4.572029	1.098625	1.129507	1.387976	2.078584	1.893775
0.260961	0.521655	0.063404	0.348233	0.252397	0.209149
0.061471	0.150208	0	0	0	0
0	0	0	0	0	0
14.529709	36.15176	19.209108	20.178169	29.086422	17.155931
0.555296	1.230848	0.442033	0.290141	0.757185	0.459841
0	0	0	0	0	0
1.624871	0.232859	0.301083	0.028741	0.154352	0.293117
0.041863	0.071785	0	0	0.027391	0
0.110274	0.037769	0.078946	0.037693	0.021762	0.104887
0	0	0	0	0	0
0	0	0.030245	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0

0	0	0	0	0	0
0.008596	0.044026	0	0	0.002025	0.03519
0	0	0.031626	0	0.04249	0
1.209381	1.248762	3.1711	2.257029	3.051629	0.255981
0	0	0	0	0	0
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0	0.066389	0	0	0	0
1.079351	0.586139	1.450541	0.282958	0.878307	0.118002
0	0	0.028611	0	0.029024	0
0.589406	0.619961	0.666839	0.312962	0.240389	0.315866
174.023804	160.290527	258.228302	245.547272	276.322906	147.162537
0	0	0.062234	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0.383346	0.123191	0.074941	0	0.022127	0.100853
27.093361	22.199739	22.931438	15.165659	22.121085	19.655695
0.030694	0	0	0	0	0.069619
0.663596	0.080456	0.143928	0.070653	0.046049	0
6.46472	5.821542	4.270739	2.193676	4.22355	4.947139
25.282494	20.561133	25.372128	11.566087	15.530319	20.387148
0.032332	0	0	0	0	0
0.045442	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0.051662	0
0	0	0	0	0	0
0.019288	0.035437	0	0	0	0
431.78067	306.984833	280.307037	166.245026	263.290253	309.401276
0	0	0	0	0	0
26.297829	32.300381	31.069986	23.404343	26.149385	38.165657
8.048493	7.601471	8.613928	7.28573	7.801383	8.557317
0	0	0	0	0	0
7.558723	2.537314	1.792306	0.559329	0.840521	2.85434
11.333008	11.142235	15.183243	20.927862	23.210197	24.095711
1.666714	3.386149	1.83833	2.656788	2.133607	6.295877
22.472286	23.877131	17.74852	11.611552	12.96681	28.54443
0	0	0	0	0	0
0	0	0	0	0	0
15.074899	10.478194	7.775415	6.221502	7.731345	15.400378
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	38.659472

0	0	0	0	0	12.269224
0	0	0	0.130838	0	27.168169
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
29.133858	21.384035	15.230097	8.176553	14.75961	47.198753
6.960971	8.347954	12.152298	6.382566	9.576505	6.185077
1.495844	1.231026	0.958323	0.845837	0.48174	1.372296
0	0.049381	0	0	0.057033	0
5.222281	2.868592	3.961361	1.983977	1.752617	3.461548
39.657894	40.317657	34.858253	23.662645	30.997196	41.873692
7.232408	6.709918	9.258227	6.001986	8.799687	7.065021
8.712548	8.934381	10.070933	5.927371	7.849548	10.720927
102.466807	119.563734	164.480995	97.4439	132.647692	125.84919
17.146179	14.457133	14.081289	9.5926	12.487452	18.57078
1.992347	1.382331	2.025071	1.19535	1.155463	1.585922
54.407558	58.906815	48.141418	29.315592	42.804916	69.430809
21.270205	31.983301	20.231338	19.154086	21.07786	32.776524
0	1.115169	0	0	0	8.953094
0.296331	2.110401	0	0	0	1.242181
13.718305	50.939202	1.527711	4.827179	3.402803	2.321715
8.623853	16.513634	21.156111	9.890587	12.52372	15.323743
5.72554	9.047396	10.699346	6.51974	7.285139	8.723239
6.118845	10.869957	1.536427	2.850949	1.60003	19.276545
47.867146	132.508514	32.484123	23.245382	29.438242	26.105122
25.894459	23.832331	13.000335	8.435374	18.536318	12.824048
2.103205	14.781827	0	0.42237	0.845443	6.2239
5.199019	6.323515	3.49457	2.051898	2.852304	4.207935
20.193727	30.291201	34.461964	36.873264	28.572029	33.203541
0.461859	5.497149	0	0	0.453301	3.84108
0.979281	2.733281	1.05266	0.350833	0.740859	0.674494
187.163666	207.835571	228.872971	170.068146	163.104675	346.976807
2.926313	1.887089	2.281429	2.29392	2.165632	2.408149
151.11557	314.509918	131.382599	134.657913	143.170029	182.289337
98.174393	181.49054	0	0	83.718391	114.392296
8.930485	14.774218	0.412742	1.822909	3.710114	6.524421
5.439347	3.424321	2.454187	1.283032	3.358649	4.832569
4.084715	2.12151	1.324736	0.4074	1.296843	3.692032
0	0	0	0	0	0
28.156453	46.782255	33.145435	30.098863	27.780578	31.386812
0	0	0	0	0	0
0	0	0	0	0	0
10.194819	7.702809	7.450646	4.111848	7.849634	8.25625
1.977099	1.738186	3.403651	2.475682	2.376892	2.098616
1.567082	2.165759	1.212993	3.203309	4.491741	1.148515
0	0	0	0	0	0
79.388632	65.189507	79.22245	66.141116	51.121083	64.35691
34.501842	30.133333	30.14542	22.410753	26.868044	37.552502
6.092802	6.471323	6.724871	3.700521	5.065081	6.715394

31.116087	29.01191	25.194075	25.970669	28.711691	26.165758
42.156021	44.745029	37.715839	29.83864	35.596504	50.620068
32.511944	21.365927	19.797579	20.957214	19.502878	33.177277
27.381262	23.245056	20.172197	18.041509	17.045475	30.053899
8.621752	6.868927	8.01398	7.545675	7.539574	7.121069
6.673026	8.119576	9.886734	6.126257	6.778625	7.402185
10.679664	14.756963	13.493342	11.129367	11.410242	12.972562
108.772873	106.6717	87.173164	74.526703	72.90065	113.88118
21.364474	25.658055	39.838615	24.91493	34.497059	26.074444
6.337796	9.92097	11.304234	8.601215	11.166644	7.895504
5.263077	5.823615	7.503658	3.376072	5.327925	5.428243
38.097874	45.075813	45.233517	43.020206	37.085922	55.755764
8.977035	9.16051	11.211356	7.805142	10.410889	10.736728
19.326153	16.866783	23.641468	16.810253	22.093458	17.586739
2.337681	2.568548	5.528813	3.412656	4.649882	2.965175
2.903467	4.158787	5.414652	2.35129	3.942814	1.122852
10.726396	8.749511	11.054854	7.875623	8.117287	9.467845
36.689899	29.455662	19.539221	15.821794	18.159576	26.971241
12.533029	12.393542	15.114603	10.518922	11.078377	13.78929
7.724105	8.574631	7.619715	7.406968	6.015182	10.980284
21.64507	17.485113	29.109688	17.190629	27.976858	18.881609
10.557261	12.794127	13.996058	11.37386	13.109589	12.213204
27.948128	25.679743	21.345623	19.241245	19.003351	25.117352
14.544869	17.344704	20.356714	13.983465	19.907497	11.782278
5.778232	5.918568	7.136884	5.040941	5.963088	3.909448
8.526092	5.719211	6.184526	2.57512	3.193399	7.755553
0	0	0	0	0	0
0	0	0	0	0	0
6.207241	7.020068	4.220322	5.536843	6.972952	5.575614
0.273413	0.234422	0	0	0.134173	0.404174
0	0.51703	0	0	0	152.391556
0	0.217231	0	0	0	280.186462
10.768351	13.946822	12.257382	6.74721	9.842801	16.549513
0.044236	0.050591	0	0	0	0
2.023409	2.33621	0.37797	0.338847	1.276344	0.089142
0	0.076839	0	0	0	0.190321
1.470346	2.650247	0.418256	0.537656	1.899391	0.520632
0	0	0	0	0	9.386554
0	0	0	0	0	0
0	0	0	0	0	0
0	0.0312	0	0	0	0
0	0	0	0	0	0
4.31372	3.241483	7.860645	6.156919	4.755999	3.007562
83.340179	88.250366	58.29586	58.509196	49.386604	95.750893
2.302525	21.599373	0.993842	3.610586	7.823429	0.549496
0.612975	0.306284	0	0.128202	0.097595	0
91.380165	62.290092	43.945992	19.483734	27.570942	69.39119
2.028516	1.721997	1.793623	0	0.00987	0
10.305079	7.270014	9.685304	4.448724	6.118543	5.844984

2.336245	3.048757	1.394275	1.036359	3.407333	2.833955
32.465168	31.354212	28.335236	31.33205	25.076578	27.734365
4.649094	4.710378	3.348149	3.75285	4.047048	10.182263
0	0.067608	0	0	0	0
0.057042	0	0	0	0	0
0.12481	0	0	0	0	0
11.621677	10.714602	12.551469	8.329556	11.822092	11.452631
19.355373	20.452095	34.024471	29.652065	38.252003	13.363436
0.645756	2.668908	0.151951	0.143595	0.224616	0
9.67792	8.567568	12.582498	10.845369	12.042134	8.659913
2.969942	0	0	0	0.421432	31.505795
2.150819	0	0.155804	0.214117	1.406308	5.123361
5.756271	0.992657	0	0	0	0.333139
1.828933	0	0	0	0	1.098053
2.073567	1.320801	0	0	0.323295	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0.453726	0.499615	0.336911	0	0	0.201471
0	0	0	0	0	0
52.798996	45.501891	58.338745	35.374527	54.787598	50.03387
215.09311	214.197908	351.135156	372.044369	847.946733	230.03328
84.718994	130.938675	147.379883	122.143974	122.118156	132.835617
0	0	0	0	0	0
0	0	0	0	0	0
16.769651	23.200754	14.334019	9.161521	9.939219	14.752855
63.312702	123.113228	52.958931	81.708199	178.283875	61.07515
72.25148	146.876144	51.312313	80.439278	145.319977	75.611313
1.364195	3.52424	1.018548	1.055005	3.446181	22.783808
855.79718	552.060486	290.983856	213.528168	394.243896	541.08667
32.587704	48.770779	15.461482	14.335849	19.570055	33.247501
32.494751	40.417698	15.543006	15.893933	22.920042	26.840481
16.905674	22.99663	10.752147	7.01487	12.367584	15.132402
0.595452	1.78457	0.412311	2.177194	1.365609	0
14.535945	36.377132	13.910202	20.533915	38.082672	15.232167
0.089652	0.057843	0	0	0	0
539.858582	309.812042	138.767761	128.592468	253.556152	350.303772
11.8413	11.193172	5.89585	5.713011	9.832858	11.131044
29.963026	29.839958	24.047651	22.776592	22.38526	20.813751
18.057598	9.309104	6.675486	5.542668	6.43174	9.302927
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0.10387	0	0	0	0	0
0	0	0	0	0	0
0.28331	0	0	0.099211	0.431622	0

18.487122	14.592329	14.534031	12.975426	16.640676	15.226669
0.475489	0	1.189085	0	1.066726	0
0	0	0	0	0	0
0.421225	0.682548	0.820925	0.290967	0	0
0.197377	0.340747	0.300219	0.114317	0.419103	0.329409
1.228037	1.045955	0	0	0.741615	17.531456
16.692835	111.845886	8.280698	15.141536	19.01886	12.497824
12.670825	7.205636	4.369079	0.336468	0.336173	72.641525
72.010269	37.162514	27.606546	18.475164	41.591396	31.011496
6.045475	4.67739	3.194464	2.315116	5.960543	3.292188
25.084106	0	0	0	0	0
23.501118	14.296146	7.983583	14.863497	25.653346	10.344289
0.594141	4.743321	8.543478	7.904276	17.424156	3.582444
13.880678	0	4.736364	0	7.89631	0
10.792551	9.743098	4.420618	4.230037	8.217946	7.164728
6.706755	2.306823	1.257918	2.627633	2.793734	5.028506
62.458839	60.544014	47.882397	41.583881	67.209938	60.391502
5.518041	1.808417	0.930874	0.905244	1.443093	2.069496
0.131567	0.072553	0	0	0	22.587452
38.199032	36.868366	24.498337	20.686369	32.014786	28.847149
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
66.961525	75.826561	49.287258	53.770111	55.070045	67.035034
47.071877	68.780418	51.396908	45.965248	51.350197	67.302536
61.768291	54.150124	38.145969	19.201359	23.49737	63.672535
38.060922	46.676383	37.151899	60.064038	61.927378	36.633336
3.793466	3.26387	2.391677	1.412752	2.615435	1.378869
1.674236	1.787409	2.964487	1.981323	1.971906	1.575207
389.677368	403.376068	337.622528	303.28418	271.070465	470.082123
0	0	0	0	0	0
127.686111	147.604416	168.390076	134.579895	167.690018	172.402039
307.469757	379.590698	408.886536	439.689087	373.513916	364.841187
0.553082	0.58248	0.869108	0.560983	0	0.933928
0	0	0.078317	0	0	0
22.981155	32.61918	37.140182	21.427605	35.656983	21.754259
3.389665	9.501724	1.684985	2.383942	0.716748	2.864307
0.918287	6.036623	0.079733	1.082854	0.498298	0.25101
10.030084	10.577209	12.006716	6.232903	8.476017	9.902233
33.644457	31.582749	21.391826	18.206005	24.154902	33.406149
7.857876	9.926745	9.893474	7.310626	8.586067	8.037826
24.159658	25.467127	19.974127	14.555394	17.284275	22.536722
7.991901	3.024167	2.138236	1.742608	2.270745	2.595001
3.468511	3.840712	3.98222	3.713765	4.114811	3.153809
2.583564	5.080852	2.774173	2.195105	2.231362	1.603383
73.017204	101.291092	82.444519	78.653313	65.567635	165.681015
30.793049	36.094437	33.908722	23.074883	29.882673	34.554577
24.697279	22.371963	19.26198	14.104592	16.420188	20.058563
30.032031	49.344795	38.598175	30.14571	31.219141	61.129917

12.554755	9.886466	20.449506	8.988651	14.091737	12.481203
0	0	0	0	0	0
8.356008	4.532707	9.125408	3.731676	5.73072	7.555794
0	0	0	0	0.40252	1.428571
25.560053	136.494888	19.888393	21.126844	94.313263	19.156111
0	0	1.021587	0	0	0
0	0	0	0	0	0.928974
7.241525	6.067693	2.651379	1.057018	5.21457	3.091873
2.103367	6.852677	0.595132	1.024936	1.235863	0.939538
0	0	0	0	0	0
0.613649	0.330125	0.163708	0.061769	0.060388	0.713751
0.08681	0.115685	0	0.045285	0	0.101494
0	0	0	0	0	0
0.212167	0.36382	0.729752	0.261986	1.093236	0
2.542413	3.990829	3.168819	1.662404	2.390994	2.42065
2.654967	2.99082	6.243688	3.290837	6.085175	4.020979
60.607311	56.070919	39.865273	30.26054	31.514425	62.374287
6.07747	4.429764	9.768322	6.337483	6.676794	7.024622
7.84504	8.420503	4.692553	2.518733	1.562851	6.005045
11.035295	9.997233	3.877645	6.607958	11.345109	12.843364
1.017212	1.118263	0	1.873958	0.799784	0
0.499182	0.443281	0.597102	0.12907	0.591554	0.420226
27.661549	24.625938	13.925422	15.921956	14.153235	32.611496
26.586929	27.69305	30.384954	27.43878	24.248579	30.544947
5.200832	4.779839	4.40609	6.304191	6.465332	5.352316
13.85744	9.465749	8.53282	6.879237	7.612445	10.71161
9.344564	9.11357	10.829619	5.51644	6.272633	12.44346
6.448225	5.468198	8.81723	4.041384	6.038946	7.730678
3.329268	2.007473	3.707912	3.450232	2.948893	3.667532
22.74659	23.082141	28.911134	21.563223	24.90176	24.54863
13.453949	13.938802	7.916311	6.119503	8.363576	10.329496
0.114932	0.162485	0	0	0	0
6.439729	2.467273	5.414528	1.608666	3.756884	4.029642
54.803708	67.708941	78.016561	88.938698	75.893929	84.283377
0.325585	21.146342	28.4516	14.401366	35.659117	2.580198
504.150177	601.007446	663.553161	523.112702	1013.794739	88.349495
0	0	0	0	0	0
527.145935	524.395081	10.926538	1002.142822	2.26104	89.820656
270.490967	240.313293	360.875305	507.393768	630.543884	47.275642
0	0	0	0	0	0
0	0	0	0	0	0
41.029121	0.035834	770.063599	112.262199	1499.733521	10.75937
19.242569	19.330111	32.691093	52.930748	59.370113	4.805794
0	0	0	0	0	0
74.348885	80.869003	57.52573	66.121452	69.075195	88.454468
24.335241	23.551849	38.366594	32.555036	40.241877	28.042625
0	0	0	0.315836	0	0
0.470144	0.339205	0.388836	0.45634	0.448134	0
24.22894	21.172826	23.043976	19.287857	18.609846	22.825166

0.806221	5.881155	0.110822	0.895093	0.775946	0.246855
0.069414	0.059251	0.117082	0.069686	0.227093	0
7.21908	8.038995	17.622721	35.025295	25.5912	9.225706
9.112547	7.430721	5.956366	5.166946	6.304177	8.634979
13.504242	13.005698	16.951279	9.28075	12.90769	12.832584
70.714912	101.860733	92.192406	88.378159	97.238007	77.527046
5.761	4.482558	4.805071	4.4668	5.211234	3.189183
17.895254	10.790105	5.781597	4.06285	5.290491	12.781883
38.636177	28.29944	20.131231	10.077848	13.438903	25.774794
0	0	0	0	0	0
0.380639	1.105231	0.30958	0.606946	0.670508	0.753776
0.414453	0.40329	0.460476	0.174618	0.593238	0.782376
0	0	0.029044	0	0.117185	0.136542
0.130152	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
8.291037	9.465764	6.289145	2.545839	5.878012	4.797902
39.602951	36.639843	31.620378	29.270233	28.503138	40.837273
4.454595	4.190039	6.115021	2.571861	4.056765	2.230435
1.808565	3.78544	6.092614	5.406845	5.134902	4.220396
60.356956	52.721645	34.90184	39.944191	35.749596	52.521622
58.389683	60.433544	60.67762	49.422749	49.060112	59.989288
1.296926	1.267573	2.074772	1.07305	1.995727	1.372729
7.270033	10.647871	21.354068	13.558598	24.35808	7.570902
13.81559	17.439201	21.575613	15.126276	17.72199	13.672721
19.270011	18.116312	30.002959	19.934285	25.434134	14.014207
7.040309	7.547136	7.577068	5.245232	7.530999	4.794567
0.187854	1.006871	0.397151	0.07993	0.300932	0.734078
1.68566	0.864577	1.985731	0.973309	2.727026	0.194551
46.359024	36.297535	47.478199	46.373844	35.331608	50.398708
16.842138	16.332735	11.227638	11.464843	16.228176	13.714799
215.068542	219.259064	169.722855	137.07724	130.764908	220.575607
0	0	0	0	0	0
31.189594	33.44917	39.988685	33.395034	34.533231	28.507454
2.958292	1.724549	1.839643	0.705327	1.137301	1.375574
0	0	0	0	0	0
15.847341	18.455219	14.884283	11.738373	12.284578	20.215246
2.195342	3.782185	1.675185	1.4458	1.571452	8.895617
71.965938	74.264789	80.197217	60.209283	77.246981	75.079817
0	0	0.025888	0	0.035015	0
10.326901	7.124557	7.438506	4.791878	5.222904	9.320989
18.149715	13.172216	16.80349	9.417068	10.114604	18.547169
9.797662	9.635904	11.579785	6.788748	10.417965	12.329447
3.694419	3.588115	4.910935	3.115308	4.017316	3.416444
5.700264	4.584611	7.947232	5.010839	6.036758	4.070206
0	0	0.082285	0	0	0
111.59803	118.135155	92.102112	96.406021	86.685448	133.171951
3.893031	4.529777	2.56388	3.142266	2.925167	2.654293
4.819252	5.160004	7.648774	4.346864	6.399857	5.880031

12.097228	11.362563	16.047131	10.119359	13.250574	12.502183
0.453277	1.075393	0.867689	1.194885	0.748091	0.302762
7.529819	5.889333	7.683708	4.35675	6.220845	9.863926
0	0	0	0	0	0
0.203887	0.124676	0.03947	0.081546	0.079988	0.03705
6.863487	6.149957	5.229074	2.318343	5.481015	2.045475
3.901628	3.622814	5.026577	3.725955	4.41033	3.333091
8.174171	6.071199	6.374329	5.665481	4.781334	6.194345
3.630208	2.656013	3.795632	1.967516	2.339419	2.292538
0	0	0	0	0	0
4.350276	3.194156	5.092474	3.740282	4.748322	2.546839
4.147916	2.659748	3.108793	1.63784	3.043861	3.876325
0.098713	0	0	0	0.096884	0.157148
5.949982	6.916536	7.385483	5.925954	7.19173	6.052539
0.242124	0	0	0	0	0
0	0.042208	0	0	0	0
0	0.288735	0	0	0.164148	0.826275
0.130347	0	0	0	0.06354	3.507522
0.196487	0.123707	0.198492	0.029009	0.138396	0
3.255686	1.985876	3.917593	1.81499	2.853651	2.188007
4.271867	3.241562	4.34955	1.932713	3.370803	3.586287
2.14477	1.546386	3.593479	2.52342	3.801163	2.014163
10.883163	9.292749	11.899323	7.574739	8.295974	11.091055
2.946612	1.153944	0.653137	0.255558	0.483082	1.283089
48.911053	54.318188	40.960571	28.50827	37.896381	44.900917
10.096835	8.592836	10.672107	6.650272	9.101748	8.174161
42.018745	56.222538	43.794415	35.31361	50.181885	40.40852
0.078225	0.040838	0	0	0	0.790837
0	0	0	0	0	0
0	0	0	0	0	0
15.812867	20.655651	21.89942	13.716423	18.906202	23.645987
0.781114	0.669564	0.466169	0.947757	0.663374	0
0	0	0	0	0	0
204.301865	152.292282	82.523819	64.062752	100.605255	139.702637
94.922012	91.498619	69.154388	57.62653	77.504845	107.132637
6.335906	5.824731	13.721039	5.107868	10.328947	4.365221
14.815161	14.050114	14.952469	7.748509	12.220011	13.302757
1.170094	0.904504	0.795576	0.500264	0.924068	1.10101
3.455844	1.114035	0.96152	0.622907	1.670923	1.419273
0.180116	0.076872	0.043276	0	0.147315	0
1.476793	2.228103	0.50871	0.335621	0.717471	0.707316
15.129372	9.589952	9.00328	5.005537	9.73068	9.739104
9.534761	2.794229	0.054582	0.791379	0.810667	0
0	0	0	0	0	0
3.128762	8.830412	0	0.341322	0	1.061463
1.29818	1.574016	0.384888	1.025832	1.260386	0
0.533471	4.421678	0.330807	1.364294	1.638866	0
9.501809	7.911314	7.835889	4.10324	4.85452	8.448186
24.264202	25.595694	28.266018	20.791037	28.175607	23.637885

12.944479	11.608355	17.352253	10.25048	15.261836	13.931653
4.947811	6.420126	7.867931	7.983203	8.050054	6.560987
2.030723	0	0	0	0	0
9.478712	13.261024	3.918037	2.671934	4.07641	6.929322
0	0.063173	0.021467	0.050433	0.136305	0
1.970652	0.577671	1.920643	0.233557	1.011209	0.70063
0.267545	0.325101	0	0	0.053882	0
0	0	0	0	0	0
22.920984	19.064884	23.185524	15.686634	19.675808	23.440081
10.682973	10.247395	9.09673	7.151206	10.066175	10.351224
40.721851	46.123863	31.336454	33.3834	31.297729	46.325661
9.651275	9.076785	11.91223	9.045675	6.42742	10.971064
7.874795	9.63968	6.17497	6.108822	12.791188	5.698651
1.683329	1.260343	2.313387	1.539203	2.030155	1.46667
1.849583	3.058279	3.013153	2.512841	2.327289	2.775858
30.515278	21.151474	17.974062	19.338356	23.915148	23.379993
8.845348	8.240457	9.881533	7.041363	8.265505	6.633214
0.053976	0.073171	0.297038	0.142207	0.303948	0
33.261257	45.460533	52.987873	79.919914	73.68718	41.00552
1.22194	0	2.244265	0	0	0
0	0	0	0	0	0
127.337685	135.567688	96.03714	77.708557	96.694046	138.998093
100.648314	94.742556	168.261176	301.946575	265.171334	67.684724
0.085627	0.075428	0.063837	0	0	0
5.613619	4.558614	7.901167	4.522112	5.381058	6.359679
978.965332	1132.89917	888.869446	1036.924805	881.879578	1238.279907
26.773275	34.533466	27.826891	27.883356	28.843779	37.139328
11.487231	8.877754	9.901449	8.274095	8.511869	12.110363
11.694256	11.843056	17.577723	9.256601	14.342189	10.163481
4.848393	6.397293	13.570985	4.28557	6.62644	6.077861
12.434347	12.714395	17.355417	11.354543	15.521744	7.934167
4.564201	4.081923	5.555292	5.254486	5.880924	3.79226
7.417227	4.600683	5.260756	3.729171	4.515296	4.804665
0.220406	0.2966	1.269806	0.598058	0.354768	0.364629
7.581317	7.289049	11.930131	6.261936	7.016677	10.51374
13.5934	10.9991	10.116298	6.488602	7.135012	9.94603
0.20405	0.436211	0.147079	0.759306	0	0.208826
0.525872	0.902849	0.762257	0.954627	0.841838	1.825284
63.126568	96.424377	41.481323	52.201752	56.788639	76.881607
2.029949	3.963756	2.065304	5.156561	1.725721	1.427152
1.901624	3.409211	1.512016	4.298858	1.870203	1.515675
0	0.229349	0.224121	0	0	0.070556
0	0	0	0	0	0
1.027356	0.419201	0.255966	0.772205	0.268353	0.849531
2.491599	2.664423	1.230986	2.373758	1.560558	1.723114
3.094081	1.39798	1.036699	1.341733	1.562344	1.483925
1.503021	1.796498	0.709823	1.100659	0.877904	2.159173
2.652317	0.874778	0.684881	0.89803	0.634607	0.60164
6.664701	2.804377	1.18319	1.772838	1.557858	1.701768

2.768371	1.536463	0.718987	1.020503	1.03371	1.262509
2.437667	1.260904	0.642134	1.432052	1.065645	1.16958
1.872489	0.694202	0.321081	1.087014	0.061652	0.021501
2.564937	0.951837	0.715411	0.598805	0.664421	0.629905
0.663022	0.333986	0.162817	0.03966	0.261566	0.125432
156.035438	55.241713	21.488212	16.150521	31.303307	17.71299
4.532974	4.515874	2.385056	2.723075	3.163641	3.870572
1.499848	1.753334	1.03328	5.049342	1.755	0.691691
159.009117	168.844051	66.222401	77.546639	102.525372	143.754254
6.983254	9.416642	3.925581	6.164416	6.042508	10.643413
3.931139	5.191731	2.025158	3.122118	2.796272	5.601535
13.535722	18.270555	9.282147	11.331199	11.555942	19.078217
7.145247	9.508902	4.744112	5.221916	5.275855	10.815891
8.448341	8.844416	4.869448	6.223054	6.982584	8.242366
6.299146	7.001348	3.345418	5.386592	4.764921	7.228733
6.136976	7.846206	3.245683	5.716276	4.938323	8.320154
1.073105	0.780798	0.42894	1.968007	0.606796	0.807446
3.895854	5.939836	2.437561	5.201633	3.351254	6.732346
2.842333	3.119768	1.496334	2.518785	1.886407	3.092411
1.511168	0	1.208193	0.95605	2.408986	0
2.480242	0	2.011024	4.467982	4.80293	0
0.293467	0.472295	0.221711	0.31746	0.296458	0.110683
0.735217	1.313954	0.399356	1.322774	0.531036	0.623739
0.925695	0.226857	0.576591	0.55578	0.061377	1.396665
2.230438	1.911299	1.266657	1.565314	0.835048	2.06043
0.896875	0.842755	0.143428	1.353622	0.255722	0.08165
0.423603	0.333608	0.46658	1.151514	0.155445	0.109608
1.026709	3.418024	0.361221	0.849325	0.535748	2.975617
0.621112	0.71554	0.518538	1.010766	0.222753	0.667867
0.56879	0.802032	0.37165	1.653164	0.533962	0.728751
4.388985	3.641412	1.466149	4.200607	2.016146	2.751159
2.809849	3.883655	1.435538	4.420544	2.290531	2.125927
4.543097	3.553956	0.991954	5.170185	2.085523	2.420198
3.53851	2.764054	1.836995	6.226628	2.396505	1.799708
2.52515	1.623737	0.716049	2.934259	1.764862	1.645103
10.473839	11.025893	3.505606	8.493802	8.012845	9.688815
34.344604	26.374836	13.321751	12.562845	13.197724	18.784185
5.30378	5.813086	1.961827	4.825315	2.819067	3.440775
5.063496	5.788805	2.831774	3.678352	2.109144	4.898244
0.0475	0.016489	0	0	0	0
7.007873	9.534233	3.818084	12.439948	8.532372	5.063485
13.985658	32.984566	14.00469	22.000432	23.56353	13.288123
13.036105	0.094127	0.205855	0.091783	0.109183	12.396302
1.968246	1.083477	0.544244	1.01486	1.211092	1.002995
2.251896	2.539281	1.91769	3.010721	2.259902	2.125465
1.255185	1.889668	1.399194	3.552696	1.53942	1.852745
2.667954	2.797284	2.3002	1.055499	1.405382	1.859094
1.618426	1.7165	0.511751	1.123283	1.288582	1.357645
4.33235	2.789541	1.102358	0.916648	1.123998	2.668602

4.085815	2.815188	1.062115	0.937833	1.149977	2.463929
1.913416	0.167449	0.995851	3.45762	1.318458	0.460966
23.960587	18.924749	15.743005	14.123636	15.919635	15.112506
0.512209	0.69401	1.130952	0.165165	0.107648	0.152657
0.08064	0.140149	0.094099	0.617013	0.027808	0
2.382417	1.336044	0.85936	1.8332	0.339865	0.233108
2.541153	2.583144	3.912799	2.69935	3.373052	2.301182
5.447966	6.275835	5.211828	5.191631	7.137368	4.478894
1.009658	0.906971	0.521243	0.550944	0.747685	0.456214
16.224171	11.865515	29.855051	2.695017	17.245251	14.881707
13.947557	27.141994	24.483501	25.035041	21.753119	14.582722
1.479238	1.513206	1.657773	0.666708	1.137533	1.303449
19.929543	19.764666	26.011396	27.733091	33.231056	15.693281
7.890264	4.329692	5.951488	5.547342	8.080462	5.866161
0	0.254715	0	0	0.084531	15.794267
1.92756	1.649931	3.863537	1.836998	2.520961	1.893364
0.277111	0.398647	0.029078	0	0.079012	0
3.548958	3.965915	6.610071	2.923783	3.422123	4.795931
14.36839	14.379332	11.315255	8.937325	12.198505	9.729072
2.198815	1.64435	4.186698	2.706824	2.300708	1.963001
24.29678	28.783375	24.041182	17.745148	20.789938	26.113016
20.298189	18.962879	16.372393	13.996863	12.748334	16.343641
0.221637	0.141104	0.033168	0.033222	0.080349	0
9.672341	10.981789	15.485443	11.138692	12.254365	7.048441
44.616917	40.973501	41.752315	26.873108	36.959116	35.941765
28.72425	25.344816	38.063616	27.507633	25.014911	24.705264
89.65622	195.598114	186.167793	179.110367	113.916458	162.025497
44.896488	44.403236	78.088348	52.024937	61.093323	64.582298
13.088616	9.17923	12.944213	8.846789	10.202311	16.470442
81.794891	79.884804	84.616989	63.670723	71.743141	93.368134
0	0	0.095038	0.042187	0.057226	0.035759
50.527344	51.992794	53.190762	53.941769	46.210381	69.388794
14.593375	12.586676	19.427963	10.494107	10.143404	18.798877
0	0	0	0	0	0
0	0	0	0	0	0
23.274221	34.058674	30.513006	26.062517	36.526886	27.732323
0.126155	0	0.045772	0	0	0.358253
14.842936	14.940586	19.306257	10.132118	14.372547	18.603556
13.301123	13.138179	18.325487	9.632833	14.679472	11.21256
6.822795	54.429604	7.775476	9.569381	10.602881	3.971736
275.381592	293.748718	251.14151	265.445801	224.687592	323.085297
61.498154	44.772736	53.269138	38.173573	39.216595	59.769829
50.39044	43.048332	37.675094	25.28634	26.827503	40.181446
28.851727	17.059521	9.651562	10.458243	11.231648	15.331883
6.869828	6.747128	9.46958	4.889023	7.588833	6.072087
5.676487	5.473263	8.407057	7.103375	7.11976	5.692938
39.389176	28.330716	38.269445	14.343439	22.659096	22.936096
7.93436	6.425879	7.253313	3.417171	3.374233	7.867657
128.787979	58.563858	109.747345	97.899681	203.120255	49.127941

50.557175	46.187607	33.768066	26.336889	35.665157	47.791786
0	0	0	0	0	0
0	0.156187	0	0	0	0.245674
0	0	0	0	0	0
116.458656	111.558586	95.97261	63.23378	78.502731	148.11264
21.027742	19.183176	16.634626	12.362991	11.326503	25.488478
0.071571	0.459553	0.0337	0.167653	0.180685	0.844236
0.691913	2.98121	1.224744	0.92938	0.416301	0.728173
2.010158	12.480958	0.623856	2.393422	2.453354	16.222862
0	0	0	0	0	0
0	0	0	0	0	5.962421
3.428903	1.494358	1.512099	0.326095	0.576885	2.819405
79.780869	89.617737	86.005608	64.493744	74.410545	84.596199
19.638527	20.673623	27.530461	17.417278	23.462493	19.963238
272.973819	244.900175	188.791758	144.957917	155.480088	242.907556
46.746905	44.298044	37.279541	48.133839	48.77724	40.128505
336.085709	306.131157	199.161209	154.720985	165.603416	342.278533
66.813989	88.456762	64.437403	123.916982	97.729358	131.090133
17.274018	14.176237	16.707321	10.85415	11.91053	15.818602
51.972706	38.131054	66.335922	44.288239	47.2854	41.144463
63.671556	63.707922	70.090999	53.035525	57.099458	84.418958
153.490433	127.510857	167.035019	123.983116	131.017776	111.207817
28.88471	24.757038	23.909571	16.874672	20.543388	22.494623
14.411183	12.519705	10.754731	12.847532	12.283686	8.154251
141.876454	148.590798	140.541227	147.949857	136.492579	173.757357
160.034378	167.829391	158.026352	119.478058	131.102493	153.805954
20.937559	20.109175	19.356625	14.536353	16.93191	22.021614
134.031986	128.869106	92.50647	63.220804	71.614796	105.183376
10.662974	9.232365	10.620991	8.749637	8.560864	9.471681
138.405884	115.9123	103.128975	87.298874	95.285416	130.50206
35.921157	34.425245	47.116756	27.182373	37.057995	38.872265
33.715645	29.587416	31.41917	22.968229	28.279858	30.778818
1.83602	5.207165	3.85848	2.641544	4.220839	1.426196
3.557969	1.790836	1.186813	2.17047	2.093633	1.865142
0.166221	0.110521	0	0.027657	0.038344	0.474628
23.079208	21.247384	23.142039	12.654496	22.148557	17.911665
0.834782	0.660551	0.703751	0.275936	0.626869	0.816229
0.141893	1.092975	0.127337	0.341538	0.328234	1.666873
8.828384	9.52529	16.162921	13.933965	15.89489	14.530988
4.072121	3.434333	5.531406	3.257613	4.279813	3.346868
22.419789	12.663908	27.297162	14.911953	5.815049	16.858543
0	0	0	0	0	0
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19.031242	16.293179	10.496127	11.006576	11.998959	12.27936
0	0	0	0	0	0
0.307231	0.079025	0.193213	0.277589	0.120615	0.041923
0.849482	0	0.235958	0	0.053902	0
0.063784	0	0	0	0	0

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1.077969	1.238522	0.59039	0.214947	0.410757	0.292161
2.221781	2.308132	1.613929	0.861382	2.281766	0.244713
1.487677	0.850158	0.672151	0.199754	0.611254	0.746656
5.129885	1.109185	1.272939	0.481209	0.913593	1.098508
0.217478	0	0.156759	0	0	0
1.145719	0	0.392765	0	0	0.186064
1.117171	0	0.271476	0	0	0
0.097012	0.125566	0.246068	0	0.567684	0.131053
0	0	0	0	0	0
0	0	0	0	0.107752	0
0	0	0	0	0	0
7.795919	4.814019	1.325083	1.946141	3.215432	2.70661
2.357708	1.894013	1.186925	0.382055	0.892151	0.91994
10.048409	5.253501	2.304494	2.037208	3.511003	2.862532
1.169136	0.480292	0.482507	0	0.196731	0.619241
0	0	0	0	0	0
4.397241	0.24648	0.735397	0.173161	0.282149	2.189936
3.871717	0.48479	0.977053	0.475435	0.292366	0.64023
1.90659	0.092313	0.472934	0.115397	0.141021	0.705304
1.62813	0	0.341405	0.05579	0	0
0.469377	0	0.057663	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
1.456548	0	0.578425	0	0.13972	0.481887
0.628859	0	0.135496	0.027951	0	0.151713
6.510725	0	0.935876	0	0.093719	0.95161
5.012924	0	0.601604	0	0.060461	0.991495
4.694392	0	0.160427	0	0.14813	0
0	0	0	0	0	0
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0	0	0	0	0	0
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0.183343	0	0.114034	0	0	0
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1.152855	0	0.328278	0	0.087068	0
3.598269	0	0.618846	0.111722	0.109225	1.119006
0.468118	0	0.105057	0	0	0
100.828171	1218.323486	145.364304	237.293198	439.615082	41.879677
32.336162	33.041642	39.015628	29.004318	34.866748	33.455148
0.321534	1.067732	0	0	0.409642	0
53.298523	67.214485	46.113785	37.852097	44.228851	60.061005
0	0	0	0	0	0.133771
11.191828	24.005371	0	2.938036	0.763336	7.689131
0.900213	0.713255	0.496233	0.046996	0.046567	1.099757
3.284979	2.482928	0.457324	0.488288	1.359789	17.459578

6.559967	0.866816	2.046371	0.682081	1.23995	2.864208
2.856332	20.838515	1.175386	3.52838	5.159838	0.502467
95.193748	83.54229	65.902847	68.754295	60.376316	88.736572
8.476286	10.539396	15.530133	10.697343	12.743372	6.513979
6.293029	4.98167	6.938753	2.774189	3.889111	6.293309
5.368721	6.48666	7.163612	5.083498	6.515309	6.621278
7.55263	6.065553	7.423553	4.687685	6.114103	7.432087
4.834191	4.731058	5.217612	2.556367	3.643315	5.628534
10.45709	4.109203	4.084533	1.655857	5.877017	3.783673
0	0	0	0	0	0
65.055321	763.967102	99.714409	219.111908	620.727112	49.303555
1.5561	3.335704	1.375369	0.420467	0.507941	0.723583
41.739751	35.822989	23.466761	14.868363	21.81865	38.592285
0.229808	0	0	0	0	0.230325
0	0	0	0	0	0
12.92254	0.10656	0	0	0	0.234751
1.4841	1.201075	3.320968	0.898178	2.092841	0.733859
4.685678	29.550411	0.602882	5.601344	3.964368	4.649464
0.388298	0.352242	0.256287	0.401389	0.343628	0.374683
0.189318	0.116833	0.316414	0	0.267124	0
0	0	0	0	0	0
0.19781	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
27.382542	44.176556	14.612513	17.019686	14.266628	16.43964
14.200374	15.168272	14.011877	9.96055	11.912349	13.243881
16.161705	18.494837	15.786053	13.75635	15.786347	16.315224
8.92799	1.790447	1.986664	0.94858	2.410233	1.969705
0	0	0	0	0	0
0.134895	0.196187	0.018792	0.191945	0.191069	0
1.555961	2.810398	0.597174	0.528704	1.168208	0.564882
0	0	0	0	0	0
0	0	0.052987	0	0	0
0	0	0	0.169291	0	0.125821
12.041234	12.62568	8.569487	5.05315	8.592044	10.532923
2.66771	1.801245	0.697032	0.856055	1.501348	0.844254
0	0	0	0	0	0
209.475494	191.85611	169.927933	155.826859	151.347122	204.672318
0.524924	0.62274	0	0	0	0
21.326584	22.838966	28.443602	35.734787	35.20319	20.060606
11.25743	15.964918	7.9507	9.989092	18.695365	8.807628
0	0	0	0	0.121039	0.158932
1.132125	0.395865	0.167516	0.343773	0	0
66.606293	93.927704	106.498627	114.69532	92.289337	90.53801
34.286728	33.601624	27.376781	20.142591	27.342625	64.087791
54.976261	54.274899	46.724335	41.492699	42.598862	62.710316
0.929256	18.22788	3.791732	7.736606	9.709549	6.466362
0.66821	0	0.161626	0	0	0
1.063332	12.734484	0.693457	2.158827	10.081148	12.728056

0	0	0	0	0	0
24.766701	31.418955	18.633627	13.464734	15.647456	27.906059
0.596193	1.27063	0	1.230939	0.306105	5.909966
2.988727	5.041049	4.353379	2.953483	3.660439	3.888302
0	0	0	0	0	0
0.275637	1.495997	0	0	0	0.144052
0.54024	2.880747	0	0	0	0.67425
0	0	0	0	0	0
0	4.434647	0	0	0	0
0	0	0	0	0	0
39.903916	50.499559	49.686464	42.56782	48.537214	35.447439
8.14822	7.812636	11.493224	6.123751	7.56942	8.665035
4.459415	4.305238	4.557861	2.884231	3.049544	4.975806
24.361988	26.170193	26.263676	20.027639	23.354071	25.804256
6.440323	7.288955	6.476993	5.205002	6.8368	6.087941
0.106046	0	0.169805	0.052876	0	0
0	0	0	0	0	0
4.130964	3.179737	4.565977	2.84966	4.941182	3.613107
0.072877	0	0	0	0	0
0	0	0	0	0	0
0.673428	0.143993	0.462906	0	0.120985	0.505746
306.059082	252.322311	120.682213	199.553528	198.096024	256.035248
948.811523	1162.297363	908.926025	757.851562	766.811646	990.516541
410.340149	489.547546	196.552231	247.710541	296.552277	353.90448
0.819882	0.977748	0.429719	0.132745	0.298245	1.162425
2.147911	1.933683	3.169585	1.103915	2.220325	1.313356
10.270009	11.588052	10.388775	9.280787	8.28894	12.723046
31.3906	27.834778	24.194156	20.153575	18.515021	28.344936
5.574824	6.248716	9.059345	26.410028	23.643879	2.111208
9.810395	11.816228	12.232985	38.28101	29.598688	3.860219
2.718207	3.234172	5.25153	3.926349	4.483914	2.556354
5.083441	6.733059	5.746187	3.377245	6.753069	7.792601
52.999546	52.301628	35.526516	28.751169	33.368324	57.084221
8.770523	9.681712	10.417924	7.983888	7.785858	8.588887
382.180236	364.899231	188.975411	242.124496	262.680489	302.993546
685.440979	750.891174	511.029388	552.170532	504.438538	606.910156
167.225204	175.669571	172.994629	182.714539	144.01152	174.605057
49.386925	23.352207	14.851689	11.163958	23.867704	20.659225
23.543242	31.103283	39.135254	52.466919	39.10891	28.419899
12.455626	7.137601	6.277742	5.377194	13.533703	4.417216
1.119857	0	0	0	0	0
49.160778	15.798018	25.528561	15.457791	16.673691	20.022263
10.488191	1.470076	4.887019	1.034506	4.439008	2.597929
52.801567	48.000381	31.201342	28.970541	33.368042	40.726933
0.209391	0	0.009117	0	0.513777	1.195273
4.827203	3.433438	3.749941	2.491107	2.505034	4.55619
21.057369	23.22327	16.005026	10.18235	13.294368	23.45117
214.371201	190.216232	114.841927	107.746895	88.111572	209.172241
441.883423	539.266602	381.553406	507.121979	375.599915	442.179871

31.568182	34.766075	36.074757	25.528217	36.145256	26.498867
47.552933	48.756664	14.889685	17.573946	19.68165	30.275331
22.956272	19.916269	14.104455	10.515597	14.385816	23.312922
22.570638	17.986475	22.737537	19.977118	16.363283	13.33764
0	0	0	0	0	0
0.327342	0	0.390185	0	0.062542	0.132215
0.046953	0.106312	0	0	0.223248	0.150698
0	0	0	0	0	0
0.68257	0.503046	0.344173	0.487989	0.476411	0.310233
2.323349	0.475313	2.23991	1.785015	3.034431	1.853584
0.032004	0	0	0	0	0
0	0	0	0	0	0.423234
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0.39295	0.229777	0.089479	0.123133	0.042201	0.083907
130.818665	193.679871	128.976578	137.432541	109.130409	129.748993
32.444801	37.369431	38.990685	24.10071	27.936716	32.455727
20.673106	33.946512	17.857724	15.399224	24.248758	9.947917
0.487907	0	0.196578	0	0.104438	0.047555
4.038677	3.529004	5.179528	3.199114	4.574638	3.18012
0.105816	0.455018	0.131987	0.108465	0.35724	0.118854
3.696072	2.022267	4.046701	2.323593	2.28435	2.981035
0.128177	0.054216	0.131454	0.307969	0.125802	0
13.476888	12.314545	18.837507	11.405621	14.947361	12.800962
13.471611	10.736612	2.247818	0.69998	3.527197	11.415046
2.490526	2.382555	5.637372	5.087807	5.170918	1.448838
27.431135	30.867706	29.275103	16.900967	26.527973	34.230633
0.257701	0.821527	0.487263	0.24492	0.457285	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0.009632	0	0	0	0	0
21.529029	20.348936	19.132818	14.135637	18.2827	16.468708
0.50603	0.527859	0.193786	0.208348	0.213437	0.118697
6.413739	5.153781	6.754198	2.979173	3.56217	6.720476
0	0	0.010909	0	0.02951	0
44.257641	64.67659	28.521326	26.008923	32.763561	51.941093
369.669586	311.581085	217.544907	197.72374	188.388885	299.699432
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
4.075669	0.573849	1.989574	0.868113	1.066519	3.402757
36.346329	43.874321	39.705952	34.898643	36.601429	35.163742
0	0	0	0	0	0
13.992812	14.122683	20.976475	14.350917	14.710215	16.361582
23.90225	18.827452	30.989727	16.516424	18.496891	25.545137

1.200689	1.063697	1.401218	0.654612	1.133732	1.306318
1.032112	7.283847	1.51932	9.742721	29.451424	5.435033
7.357825	6.036417	6.70843	4.584219	5.294847	5.337983
1.550308	0.902843	0.722993	0	0.445139	0.667456
0.104122	0	0.060242	0	0.102193	0
12.656656	9.137491	5.04496	2.889705	7.698025	5.382364
5.1276	4.211465	2.455403	2.385846	4.254439	3.870174
1.089432	0.649537	0.494064	1.276536	1.334636	0
0.650824	0.618484	1.279424	0.597239	1.48567	0.139124
8.448159	6.602575	11.503436	6.28053	8.195258	6.067719
1.921838	2.492875	3.156157	1.820438	1.93931	1.433419
3.412226	3.270324	4.392003	2.742219	3.2907	3.299169
12.470676	9.828856	11.275365	6.97866	9.278187	9.862529
0.733857	0.099573	0.202658	0.117213	0.536909	0
5.788249	6.146972	3.400314	1.685694	2.725935	3.021061
54.682163	47.46999	42.342461	37.947903	33.330559	63.59914
77.109062	102.613007	95.041847	53.904449	83.002861	88.25
52.916557	92.436546	70.396088	73.071091	91.784218	43.667255
142.081436	244.813583	255.84346	189.155823	331.238037	143.52092
1.924641	1.039692	1.028397	0.557126	0.84547	1.177337
15.71063	14.228714	13.379745	9.521662	8.965867	13.816434
43.910236	38.048336	38.229294	19.475641	28.873876	61.057686
82.329185	93.089188	105.761131	75.728638	81.687813	106.316933
26.615734	21.503332	19.201092	16.582926	15.411612	35.005589
63.715389	65.561996	88.896973	73.360283	72.293625	76.97551
55.694115	57.105789	68.878174	50.869965	54.532051	61.579704
0.250446	11.145328	7.26578	0	0	0
0	0	0	0	0	0
17.306162	18.353986	12.388484	11.59178	15.381322	16.684098
0	0	0	0	0	0.916809
0.100538	0.421489	0	0	0	0
5.411322	5.846885	6.341546	3.338315	4.926743	4.712336
4.288869	3.686466	5.12361	2.392188	4.184358	2.980996
57.687786	68.033531	52.959248	27.92676	48.493813	61.291328
203.057404	195.669662	156.051331	156.66597	225.750214	101.888123
68.858673	61.957256	44.823112	47.887089	52.930206	61.110611
28.080027	23.174223	18.43936	15.044356	18.265753	31.731363
29.875952	35.958061	31.862661	21.878653	38.510807	23.367323
10.460066	6.486542	11.401043	6.019312	7.191136	6.645825
10.068197	10.660428	9.827578	6.191883	9.319472	6.769989
13.37594	12.511499	13.175364	10.085619	10.285552	9.829181
9.608604	2.922541	6.44333	4.347829	5.089032	4.038581
29.112247	11.805657	11.984609	7.756807	11.433408	14.665066
20.761972	6.403666	2.35082	1.004484	5.135282	6.040565
51.446241	54.527634	36.63097	39.741458	54.642517	52.343384
375.021593	153.317783	35.190237	22.533638	39.370968	112.220428
0.241077	5.687356	0.326182	0	0.612	193.1409
334.662689	412.092407	181.464951	132.692322	162.730042	320.203369
28.331165	21.152224	16.055996	12.086288	12.941696	33.927246

3.764894	0.690537	0.0569	0.234761	0.076961	1.882462
0	0	0	0	0	0
15.981361	6.529264	1.846964	2.580931	5.117421	8.756087
3.009352	1.256274	0.396014	0.464741	0.488234	1.596383
11.388451	3.853666	0.390558	0.831133	0.344817	4.145284
1.040155	0.29803	0	0	0	1.682244
0.235067	0.154676	0	0	0	6.413251
9.301215	3.167875	2.702479	1.498941	1.376521	6.328619
25.539671	9.188717	0.987155	1.240197	1.231142	10.660532
10.700137	3.385479	0.38286	0.434663	0.480288	4.352382
20.966471	24.176998	18.666213	16.971329	35.444725	25.097217
0.359571	0.685402	0.474855	0.125332	0.500946	0.734551
452.998871	434.462219	355.599182	267.384369	355.30423	331.673309
613.945251	490.10141	277.345673	216.938507	288.603546	419.79483
3.163282	4.566445	4.757783	2.948128	1.617101	0.729483
4.422842	9.190355	3.969243	4.056494	6.977407	4.064337
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0	0.013284	0	0	0	0
0	0	0	0	0	0
0	0.009501	0	0	0	0
0.092807	0.079572	0	0	0	0
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0	0.013502	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0.308573	0	0	0	0	0
16.109062	13.811929	15.973937	11.078219	15.512844	13.589877
45.995545	42.296653	40.792841	39.6267	56.762935	36.126716
0.098713	0.164757	0	0	0.096884	0.067349
0	0.098147	0.818462	1.015882	0.545272	0
0	0	0	0	0	0
60.867882	80.579323	52.624706	32.962406	53.994915	55.969776
83.220467	96.948799	82.083153	71.854538	103.466949	135.555817
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0.415134	0.706014	0.388142	0.342435	1.188596	1.483572
0.043126	0.004458	0.106805	0.011599	0.010069	0.003547
86.556282	67.541122	50.775024	66.372299	57.976292	104.344765
30.102049	30.658304	23.45602	18.42548	16.179483	28.645702
3.659544	3.526638	5.128362	3.276501	4.227581	2.779799
2.969212	3.737263	6.332223	2.972475	4.544562	3.573636
3.40511	3.483583	5.560436	3.645217	4.796174	2.811695

73.912399	63.03598	44.955982	36.40873	52.438522	79.166122
12.136934	7.704902	9.040303	7.593195	11.287498	12.63051
11.815095	10.979802	12.413277	8.430794	11.409289	11.748487
39.570934	49.441654	53.841274	44.370906	52.57373	50.35181
17.545118	16.646906	23.410961	15.990818	17.617781	19.581234
14.270857	11.891244	16.160046	15.268884	16.42659	11.924884
8.763158	7.217936	8.630787	6.102484	7.72652	9.284401
7.458298	5.21295	7.73973	6.615331	5.915115	7.012896
3.014831	3.819653	5.25892	2.690527	4.180051	2.838489
3.178456	3.255086	3.973141	3.516805	2.632001	1.299923
2.07002	1.292097	1.980562	1.259295	1.388859	1.241418
49.149021	61.273438	68.443802	63.949665	66.817917	60.219337
0	0	0	0	0	0
0	0	0	0	0	0
2.952878	1.728084	2.591921	1.120149	2.07079	0.869591
13.280303	11.213963	0.759419	1.505232	3.368418	2.180124
6.663431	7.634277	12.88201	8.22846	11.258187	6.558175
3.177637	0.434246	0.325082	0.509463	1.589307	0.753436
6.695548	6.687893	9.249222	5.34593	7.44336	5.929495
17.525505	22.713251	35.931587	32.985863	40.98822	22.519991
3.252274	2.278106	2.807266	2.467119	2.273727	3.831522
0	0	0	0	0	0
19.059153	23.672081	23.772223	20.724207	33.552326	27.977825
0.611143	1.568261	0.130637	0	0.281297	0.262692
3.996958	149.029572	59.324078	119.739639	193.26889	0.794256
2.427852	13.200504	1.499612	8.674475	7.805208	25.648727
76.209457	87.385376	58.6222	58.744232	85.971451	63.183453
325.197968	377.766663	189.319641	176.355972	239.306503	214.252472
9.16832	2.041122	0.440285	0.957438	0.87879	1.63153
68.411461	93.580177	85.780205	54.051231	73.075142	56.073841
251.700179	306.764681	200.330003	161.455977	334.561869	190.76677
0	0	0	0	0	0
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8.907675	9.422621	7.444642	5.705006	8.830432	5.39817
10.369134	0	0	0	0	0
2.287743	1.990932	4.408617	2.376483	2.917074	3.068861
5.18272	4.086716	4.294977	3.994348	5.185572	3.705622
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1.826738	2.408073	1.895646	1.446655	3.70977	2.061686
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0.837272	0.573323	0.378127	0.075569	0.286742	0.066855
0.287818	2.588181	0.482793	0.444597	1.159381	0.349169
0	0	0	0	0	0
0	0	0	0	0	24.726492
5.459914	4.162417	5.341815	3.652981	5.119989	3.730521
0	3.200419	0.084435	0.161494	0.511019	6.569969
12.190868	6.099811	15.848107	8.965936	15.390121	6.807187
49.841618	64.760902	46.235481	37.642063	51.318256	51.691044
1.719647	2.37634	0.717542	0.725826	0.963293	17.515221

0	0	0	0	0	0
12.465244	5.130859	2.418851	2.142707	4.758141	4.137127
0.061371	0.57357	0.157069	0	0	6.538207
14.451327	7.889316	1.142868	2.795854	4.099535	3.206612
55.768555	52.926426	57.391071	45.83913	53.052139	47.175259
43.31217	34.570543	29.321167	30.777515	40.124624	32.96348
7.748949	6.971843	10.76363	7.47552	7.930218	9.425476
18.824668	17.97025	22.038727	13.929988	17.308558	16.802291
19.581699	16.274343	12.250578	8.190317	9.927459	9.893032
5.460387	5.638865	9.026939	5.154089	6.561592	4.587569
5.225705	2.640406	3.152886	1.343674	1.6087	2.605824
1.1846	0.965952	1.963501	1.231349	1.554098	0.802201
0.292313	0.110471	0.053656	0.074481	0.109225	0.278401
0.127389	0.136501	0.046219	0	0.187542	0
3.559198	3.43259	5.751426	3.952389	3.543318	4.11719
2.061046	3.833673	3.161759	14.122275	18.3641	0.945579
30.538437	23.2883	15.835992	8.154754	11.583806	14.93216
52.142315	34.283497	30.060659	20.071112	35.969997	44.622353
4.067399	4.708458	1.869514	3.702783	4.859	4.50722
27.87588	17.092289	10.075965	9.233432	12.582739	19.262478
0	0	0	0	0	0
0.1164	0	0	0	0	0
0.180843	0.330572	0.219004	0	0.169551	0
1.142846	0.572989	1.257243	0.477533	1.138053	0.664459
0.640572	0.26448	0.112294	0.077679	0.380627	0.193568
0	0	0	0	0	0
16.64394	14.709971	9.343711	9.865308	13.005941	14.264196
0.617641	0	0	0	0.531578	0.165973
3.075185	1.597703	1.277882	0.589789	2.234352	3.980987
10.383431	5.50263	6.670471	3.193483	5.54843	5.329611
3.543348	2.039158	1.985353	0.650338	1.085899	2.254519
0	0	0	0	0	0
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1.341962	0.434462	0.38164	0.249774	0	0.50925
0	0.387254	0	0	0	0.264135
21.678753	19.226931	17.939068	8.597176	11.514384	19.924168
0	2.757705	0.157104	1.068754	1.969073	0.250612
7.248589	10.320062	10.902546	6.526226	7.493204	13.59591
0.507219	0.329704	0.180306	0.139244	0.188285	0.276916
0.129229	0.111096	0	0	0.220096	0.189777
38.083984	17.123615	19.10335	17.681398	8.747593	52.30896
9.329783	4.984641	2.428919	1.335035	4.395851	1.293137
0.182314	0.161123	0.026529	0.11011	0.595535	0
3.56791	1.716076	5.75325	1.908718	2.500262	3.404611
0.296209	0	0	0.594735	0.617696	0
1.725061	1.533162	0.573714	1.921153	0.904475	0.861684
10.9303	8.029386	5.658182	6.966261	14.885588	4.867756
0.161891	0	0	0	0.213042	0

0.362982	0.363398	0	0	0.693312	0
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0	0	0	0	0	0
0.461498	0	0.333987	0	0.75919	0.188081
16.754343	15.231027	9.519869	8.386264	19.164762	2.618234
5.20864	5.004717	6.699558	16.923601	12.296474	1.655052
3.965949	5.938743	4.470715	3.787435	4.477695	5.713019
0	0	0	0	0	0
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4.498899	1.046385	0.735072	0.285426	0.28844	1.094878
4.644536	1.543302	3.871585	0.931647	1.940386	2.128367
21.12748	15.351396	6.109557	6.648698	9.096969	15.654946
0	0	0	0	0	0
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0.143669	0	0	0	0	0
1.868218	0.781611	1.523026	0.864176	0.897585	0.701494
0	0	0	0	0	0
12.821493	8.355933	4.038057	1.645348	3.69215	6.52947
0	0	0	0	0	0
0.194687	0.321166	0.216138	0.0393	0.251699	5.205391
0	0	0	0	0	0
0.222974	0.205242	0.091686	0	0.105166	0
0	0	0	0	0	0
3.75776	0.408768	0.344635	0	0	0.434943
0	0	0	0	0	0
1.063532	0.1264	0	0.461083	0	0
1.632274	2.456066	0.443507	0.400382	1.669011	0.601701
0.699742	0.102827	0.384805	0.136942	0.317406	0.14007
2.019759	0.820256	0.627907	0.305677	1.752481	0.50884
34.298882	18.575533	7.828467	5.990694	9.808546	12.524241
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
53.774719	21.998446	13.101357	8.107363	25.424519	4.724312
14.995016	34.653512	41.687291	26.787746	33.226605	23.480556
18.570721	14.999219	14.925295	12.378301	16.312536	12.343397
0	0	0	0	0	0
0.040056	0.199119	0.025971	0	0	0
66.006798	39.891518	51.73941	29.64463	44.809803	39.992306
0	0	0	0	0	0
0.0425	0	0	0	0.041993	0
3.531695	0.598734	0.870029	3.184217	1.023953	1.269251
9.582767	6.04317	13.953412	5.096507	7.314544	4.499897
21.471605	24.798191	21.603582	16.498087	20.829531	18.676355
0.091881	0	0	0	0	0
0.580603	0.19256	0.795191	0.687151	1.227071	0.128381
0	0	0	0	0	0
0	0	0.07149	0	0	0

0	0.085692	0	0	0	0
1.846664	0.934251	0.310007	0.09238	0.437005	0.261177
79.983002	76.74485	64.674347	68.530136	57.804024	91.457306
22.632962	19.672054	31.100098	20.11526	25.68333	25.736298
82.123753	71.946879	88.240417	53.680351	82.294239	90.103405
52.860203	47.988354	48.749115	41.645939	48.016521	44.838516
0	0	0	0	0	0
12.303266	13.632103	13.838985	9.096812	13.29652	24.040277
23.947687	22.486017	24.797907	25.632452	24.638163	22.514072
5.516989	10.292996	13.927032	16.757179	13.480524	6.968137
49.137006	50.40715	49.499799	39.803558	38.754194	59.673587
71.473083	67.105263	53.198933	41.351849	52.993073	68.318039
26.132069	24.678362	20.014975	15.713151	15.193834	30.093843
22.638405	19.487478	13.872463	11.328857	11.837009	21.887362
16.122713	20.767965	21.46607	20.931137	21.129946	15.975157
19.257931	13.773402	20.630985	13.545073	12.725167	13.793712
10.535988	11.654884	11.953427	9.098243	11.427756	11.559011
35.422115	33.198252	39.400248	31.170177	36.248445	31.321743
61.237995	80.202469	80.774696	56.900703	59.594337	97.072769
0	0	0	0	0	0
0.186796	0.018605	0.119374	0.033119	0.086055	0.172262
0	0	0	0	0	0
0.253273	0.537189	0.943566	0.407432	0.258704	1.489372
9.77437	9.676603	13.799208	9.006541	10.735345	9.128767
9.374667	8.204825	8.235825	4.365585	8.246355	9.607579
0.673125	2.18459	2.895719	1.678074	2.871415	0
29.351639	25.85379	27.836061	14.870004	17.270702	31.346321
35.201176	37.036476	55.134026	30.174379	46.689236	29.345856
30.604723	28.143424	26.184055	20.431526	26.553974	17.961793
10.976469	12.616537	11.373432	11.857781	11.991922	11.583791
3.944632	3.23434	4.150932	3.156218	3.28864	3.347863
38.081802	41.744881	49.386238	31.435402	42.809261	34.951721
6.485237	4.983962	8.883595	6.592568	6.774489	6.089105
2.716661	1.167623	4.93801	1.804415	3.594549	0.566676
49.041672	42.843792	25.7442	54.933399	59.662701	26.359612
4.568031	3.722383	3.00692	2.688557	4.553279	1.764128
0.806435	5.701871	0.252232	0.270897	0.189028	0.210807
0	2.715844	0.69372	0.275714	0.069417	0
7.390059	6.891913	6.291352	4.664099	5.437288	8.84349
6.50768	4.765915	0	0	0	2.470001
5.057812	4.674642	7.368288	4.84787	6.023089	4.1032
8.586017	14.093224	11.580029	7.255204	10.491961	11.650042
16.416187	11.874187	17.098301	9.152993	9.374776	18.916588
4.124032	3.767606	5.26378	3.506585	4.315252	2.834535
0.503827	0.939009	1.518343	1.279414	0.675318	0.731307
36.733948	37.294659	26.80027	21.265963	22.453844	43.177265
3.967437	3.616083	4.091943	2.027847	3.581152	3.760872
6.664791	5.003346	6.459272	4.22912	4.819601	3.468715
2.466747	1.16103	2.652243	1.94971	1.455213	1.537103

17.418112	15.45645	15.221599	11.986484	18.928318	22.094059
6.932521	7.32947	9.225121	4.8309	7.189019	8.356733
19.949077	11.237411	12.923435	5.13785	9.249318	12.12603
6.024528	1.111799	7.276736	3.138681	3.950302	2.798084
5.164319	4.041121	6.6057	4.064103	4.983849	3.145361
0	0	0	0	0.128308	0.380665
14.767371	13.897514	22.458591	9.408154	14.872235	13.061911
29.333612	27.798579	30.717497	19.11944	30.958721	23.478388
0	0	0	0	0	0
0	0	0	0	0	0
0.620471	3.535401	0.213237	0.256874	0.835249	0
9.729778	18.559956	23.346369	15.012628	19.328474	16.014032
15.546156	24.537322	22.28763	9.611376	9.522498	15.947342
1.114306	0.400903	1.642926	1.885389	2.414934	0
0	0	0	0	0	0.681354
10.415511	6.495863	5.166724	7.087988	6.283007	15.151105
0	0	0	0	0	0
0.146413	0.084062	0	0	0.13536	0
3.6995	3.474713	6.797101	3.338682	5.525439	3.565766
0	0	0.021477	0.029513	0.188134	0
8.64222	8.837379	12.010979	6.624434	9.585364	8.228857
7.39891	6.689027	9.298647	5.315422	6.751079	8.178375
8.964201	10.243112	11.978478	10.296167	10.629153	14.15651
5.167511	3.985195	5.176905	3.443303	4.217192	4.586697
15.493665	17.628524	17.364354	10.02164	14.007038	15.357556
8.530294	7.558567	7.996731	5.60161	7.174647	5.876424
15.48666	15.718182	14.456901	7.64667	11.989956	14.305681
2.930315	2.437263	2.383494	1.590855	2.217412	1.789399
7.900992	7.999739	10.14255	7.21205	6.839578	4.923055
5.699682	4.409312	4.769372	2.975857	3.249056	5.069585
6.994235	6.197297	6.938091	4.553014	6.478925	7.408632
0.546156	0.450029	0.842416	0.583308	0.894203	0.469951
1.039879	1.252361	1.990429	1.636296	1.859171	2.062744
18.467451	17.212254	29.003357	18.376646	26.947653	17.421305
15.788139	13.207635	22.670025	11.643265	17.443552	17.322468
0.842444	0.113092	0.064766	0	0.290418	0.26998
0.433095	0.222504	0.059509	0	0.08049	0.065278
7.336527	6.005355	8.917423	4.947428	6.841233	13.325414
7.136047	6.385839	6.801676	4.930481	4.969686	8.50436
16.696236	12.988812	13.980956	7.686753	9.856893	13.326284
23.550592	25.444118	25.532301	16.482342	21.310369	30.045742
42.938606	39.870323	36.818783	31.202591	30.692419	44.453003
21.155109	21.481714	28.214067	26.265909	25.142656	26.619614
11.88682	13.077959	12.939647	9.073004	11.202095	10.193415
19.15789	17.589367	24.372189	15.895797	17.906954	17.886406
2.966141	3.039092	2.345425	2.009	1.82826	1.663002
6.957697	4.883984	5.170923	2.547491	3.657781	5.455549
0	0	0	0	0	0
0	0	0	0	0	0

4.793317	3.481807	7.620113	7.793297	6.945147	5.752413
5.451438	5.050468	5.089761	3.985631	5.05044	5.419251
0.71495	0.539171	0.659565	0.591357	1.13048	0.642119
4.799203	4.93278	7.701344	4.058921	5.770749	3.089152
0	0	0	0	0	0
0	0	0	0	0	0
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0	0	0	0	0.044092	0
0	0	0	0	0	0
1.292903	0.487993	0.433398	0.600606	0.821028	0
68.256851	58.569992	74.873116	62.161129	68.950081	67.50695
3.912963	6.575736	2.206547	1.43246	2.777014	9.135087
6.385318	4.986208	7.253353	3.436505	3.491425	4.706547
11.363741	2.508802	14.635207	8.765862	16.161553	9.715947
4.061757	3.428876	3.42297	1.777215	2.975359	1.798574
0.13079	0	0	0	0	0.034187
0	0	0	0	0	0
14.837447	21.217306	20.73466	15.009126	21.445444	12.331261
4.617749	3.383543	3.488524	3.375407	2.967449	3.211561
12.048362	13.244769	11.700447	7.578163	11.461327	9.876338
3.538032	0.855753	1.584334	0.814205	2.332067	1.445544
8.611102	7.799391	6.187078	3.78326	5.340898	7.127659
7.30985	5.576567	7.111852	4.081953	5.594512	6.075533
35.87683	33.495332	33.513814	33.542238	59.808573	47.213837
13.457394	15.58903	14.958706	9.591303	14.184875	14.822719
11.235824	11.706807	9.210859	5.578251	8.604513	9.412564
43.017521	57.840687	44.826588	34.832188	45.744953	30.691616
19.991253	29.177231	34.388294	21.892597	31.876684	21.817204
20.931714	21.828417	24.073844	12.773893	19.456149	16.550815
0.598375	0.477787	0.164573	0.111169	0.18871	0.188254
32.503538	34.597847	19.478628	10.472866	15.177491	20.733665
0	1.161374	0.093619	0.415206	0.338149	2.675926
70.556758	17.249234	1.976628	1.346281	3.272532	30.929304
26.195161	24.423424	15.580372	10.090242	15.487573	16.693682
17.216889	7.989244	6.57543	4.482564	7.018926	12.095186
0.600709	0.100726	0.042624	0.14074	0.546915	0.040076
0.166049	0.281602	0.090369	0	0.080399	0.479596
24.55809	8.963727	5.942619	4.362892	6.214127	10.766354
9.21695	2.717303	0.869194	0.721803	2.191022	3.688447
4.114786	3.305855	4.864863	2.282952	3.948393	2.879178
3.515612	3.146636	1.862049	2.094788	2.964691	2.261941
1.873823	1.939268	4.888229	2.491043	3.464863	1.533699
0.325241	0.131249	0	0	0.095764	0
0	0	0	0	0	0
0	0	0	0	0	0
0.152244	0	0.20154	0	0	0

1.425713	1.270894	0.786125	0.64498	1.230686	0.942762
0	0	0	0	0	0
3.572593	3.30502	3.934667	2.079306	2.141241	2.669112
0	0	0	0	0	0
30.71907	25.387928	19.81221	17.834948	25.992344	21.169521
53.313583	65.119232	75.828117	68.979073	71.884476	60.033348
55.075397	51.227318	40.189842	23.900635	33.119637	52.654938
70.160919	34.593548	3.73827	6.859474	6.200906	40.090298
10.724445	9.543596	14.186582	9.255504	15.029717	7.649137
24.254244	23.011162	28.976004	16.990433	19.348986	35.235237
0.210634	0	0.23931	0	0.234689	0
0.28197	0.238473	0.505362	0.204472	0.563163	0.392232
21.637646	15.046049	8.062559	7.124331	19.248663	8.705669
0.344253	0.270126	0.163175	0.123395	0.736066	0.108441
3.857266	2.772643	1.933736	1.559921	3.888778	1.913202
0	0	0.14411	0.090625	0.146231	0
8.341692	8.531929	9.645098	4.350708	5.474184	8.823726
18.615982	27.465425	15.431846	11.076434	14.579665	22.985098
3.740728	4.546958	4.283258	3.453477	3.679997	3.046269
1.511066	0.882591	0.435312	0.36102	0.528601	0.402314
2.138076	0.728603	0.431059	0.848324	0.635016	0.457711
45.726238	34.285759	46.745625	34.711777	40.41032	39.501427
0	0	0	0	0	4.507789
38.913631	35.792789	27.771585	24.003822	24.405998	35.448799
31.143486	39.333221	33.160904	17.790365	29.973263	34.579952
9.522175	4.37477	4.79489	6.459137	4.349403	3.681524
17.981424	15.488338	17.715845	14.237737	16.329208	16.044491
5.701676	6.417629	10.404641	4.80517	6.300739	6.611443
23.030259	22.721935	25.83828	13.684455	22.743761	30.893686
2.2384	1.607552	0.725799	1.151267	1.805096	0.636891
1.08521	1.240735	3.197306	0.4281	3.797937	0.527455
1.661003	1.31333	1.830227	1.040908	3.515499	0.579965
0.369415	0.181003	0.482071	0.342757	0.712164	0.30589
2.61058	2.234986	2.13002	1.986002	2.591875	0.972867
39.26578	47.037679	41.83888	28.563489	26.585341	43.203094
1.904731	1.346134	1.200972	0.700766	0.621945	1.046772
78.192688	72.350471	131.730057	84.505043	110.911896	96.432861
20.370649	20.588296	22.320335	15.477895	23.734295	23.620871
5.614568	2.479652	3.465161	3.626786	4.769969	4.693766
0.420313	0.694598	0.398478	0.302479	1.432107	0.385188
6.578122	3.049363	3.0351	2.937406	6.613405	3.158481
0	0.285294	0.061963	0	0	0
0.276345	1.022238	0.678185	0	0.540761	0.282631
3.240766	2.964601	2.221533	0.946592	1.536957	2.538841
43.679709	28.075859	45.146712	25.55003	36.821573	20.013086
12.599974	14.686904	18.318796	13.48092	19.573277	17.916309
8.362866	7.850731	2.638043	1.942945	2.894608	5.528175
245.163254	241.424911	191.105667	197.885406	242.869812	303.560791
51.859356	45.299122	48.214054	61.249004	48.754135	65.611481

5.299328	0	0.719472	0	0	0.440645
84.184578	89.873352	63.349136	32.526691	49.050282	92.704834
0	0	0	0	0.085485	0
9.13605	7.589806	6.513402	7.509044	11.909289	10.212062
2.505867	2.367536	2.992248	2.187367	2.248727	2.028131
1.346476	1.689255	1.348753	0.389037	1.256241	4.196353
80.696707	131.444079	133.093334	100.322209	176.294043	116.625363
0.262578	0.142394	0.056349	0.062368	0.038006	0.231425
15.141881	19.811069	10.635212	5.18255	6.194562	11.657975
0.120462	0.185797	1.246178	1.321175	1.828383	0.184029
3.76959	1.941346	3.586818	1.713669	3.448461	1.463864
1.667066	16.152575	0.491138	1.972579	2.904024	2.251458
3.612087	43.969845	3.159241	9.80394	10.048184	1.988192
8.135776	132.025742	12.150967	39.36422	47.681858	5.894862
8.270253	107.403335	6.864249	16.075381	26.74709	8.088557
0.369945	0.126481	0.069477	0.028874	0.037639	0.642346
0.212276	0	0.076761	0	0.138688	0
0.200199	0.499688	0.432587	1.226435	0.516984	103.990166
22.977139	7.451341	3.196636	2.693156	5.22629	8.231288
483.822327	367.884491	298.043427	257.10791	337.974091	371.00473
134.734863	159.650772	114.284912	108.633125	154.777512	128.11853
45.303612	30.239141	32.463135	18.319607	20.493746	56.140663
13.065211	18.840071	18.835804	14.909255	19.775009	28.16321
0.083519	0.31335	0.332719	0	0.123784	2.42313
4.577713	3.625776	3.993143	2.143787	3.793634	2.527206
3.723854	4.386743	6.167695	4.034564	6.499981	5.58638
4.045744	4.339036	5.661646	3.862696	4.743305	3.847596
3.197113	3.615785	3.222074	2.487033	3.008537	3.035279
12.782773	16.775328	33.139992	21.602404	24.249029	19.265331
12.42171	16.152958	20.158224	14.743916	17.950668	21.997465
4.390464	3.688157	3.977179	1.671605	2.463037	4.460021
22.735094	18.540712	23.44508	17.465811	19.876324	17.94865
20.768617	15.546557	18.68164	12.222248	15.750645	9.862755
10.311261	6.595375	11.021114	6.550001	8.350486	7.459442
10.486686	11.111252	11.828264	6.159609	9.236439	11.757635
0	0	0	0	0	0
56.786967	37.82296	64.21546	39.054525	42.63866	52.55112
4.897484	4.367815	5.409268	4.461722	4.329338	4.179678
0.184264	3.095964	0	0.346846	0.290651	5.861645
0	0	0	0	0	0
0.157046	0.776281	0.252617	0	0.777514	0
0	0	0	0	0	0
0	0	0	0	0	0
10.604499	4.634963	9.245781	3.518549	8.734654	3.073607
5.15203	2.818703	3.228606	2.789053	3.203214	2.368732
7.151141	5.707262	15.28301	4.903742	6.845605	4.864379
2.045583	1.692146	1.732921	1.474445	1.542328	1.770945
11.975063	15.714345	16.479704	14.72426	24.556768	15.586576
1.827728	2.532332	3.551107	1.89205	1.459643	1.552517

41.835012	39.110126	28.26471	22.531079	24.794727	43.686764
24.974419	18.890688	19.168766	15.892135	20.057673	15.776611
9.32425	5.850569	5.613748	4.887494	7.899585	5.894816
17.670653	17.839653	33.708015	27.057807	37.289494	11.529496
0	0	0	0	0	0.539051
0	0	0	0	0	0
0	0.035075	0.098818	0.02738	0.053356	0
1.847439	1.580911	1.27019	0.90695	1.556363	1.872909
12.507115	8.215963	8.578019	5.41838	9.064636	10.647255
4.568245	4.278512	5.231691	3.412262	5.153652	3.115035
0.803903	0.244107	0.108073	0.104314	0.172691	0.617246
0.252639	0	0	0	0.211994	5.668233
30.732292	24.38698	25.905118	14.946953	23.260353	25.2183
28.897193	28.232599	18.805943	18.941956	23.018903	24.583246
5.220099	4.32566	9.387044	7.025002	7.966937	5.759637
2.853247	1.656073	4.291643	1.159509	2.265215	2.602
43.050392	44.155445	55.847	46.208187	60.789444	39.18499
6.190811	6.518939	12.091421	7.154342	6.715086	4.581252
20.542419	17.059954	18.180283	13.998891	17.995464	18.602072
2.327277	2.437489	3.394345	2.577994	3.344723	1.981654
19.89024	20.854681	22.544136	16.439308	20.382601	21.472391
23.83317	25.884494	20.096519	10.492773	17.526558	17.300765
1.869056	0.040672	0	0.072385	0.092907	0
8.847294	1.471691	1.142254	1.055372	1.956268	3.846805
0.350281	0.116881	0.126994	0	0	0.122239
0.152391	0.083234	0.168623	0.200783	0.082206	0.101353
0.439532	0.603127	1.068861	0.879868	0.546257	0.369913
1.33972	0.993864	1.335143	0.991289	0.923611	0.898795
2.620485	1.850878	2.39353	1.863192	1.59983	2.039445
15.915537	1.338423	0.691247	0.559596	0.901978	0
66.715935	51.474476	56.320915	44.638023	47.876781	59.641354
69.242188	69.377502	69.948143	67.369957	79.246292	52.028851
181.634079	233.958649	248.847107	197.260376	256.276184	168.190033
59.975479	68.680605	46.674743	53.495756	3.845795	47.673948
11.060756	20.671675	13.273858	12.203492	19.33185	26.727406
1.346124	1.998389	3.459169	2.000066	2.763329	1.97129
2.068488	2.365689	1.575055	1.675254	2.621813	1.258922
18.311029	18.833967	24.680796	12.515689	18.691404	13.576641
7.717847	5.353909	9.56212	4.504975	4.156925	4.49542
0	0	0	0	0	0
0.095488	0.104795	0	0	0	0
9.124494	7.900478	10.871902	7.130764	9.317587	6.829336
1.198175	1.57858	2.172005	1.215683	2.713889	0.353077
19.555193	17.853963	21.109482	8.411297	18.237996	18.986162
21.547836	20.672112	33.424309	21.391012	25.268763	24.341717
1.342382	1.502863	2.199111	1.20379	1.650264	1.232363
0	0	0	0	0	0
84.646538	92.043871	85.779638	67.957108	70.867214	113.104937
29.624172	30.103287	39.591606	23.780644	26.918733	30.357012

6.153766	3.965687	4.578378	2.613454	3.392396	3.800241
22.603145	20.781053	30.225788	18.730152	24.453146	27.365913
6.761724	6.834753	8.263027	5.604978	7.023691	5.598718
2.788472	3.048854	5.372509	2.891229	4.341736	1.969949
11.229616	10.607541	14.476902	9.414093	11.991879	10.709654
10.047524	13.673265	16.436596	12.619529	13.907527	11.735765
20.867664	21.612703	22.200092	25.052471	23.8326	24.811903
2.80069	3.311282	4.12489	3.49157	3.2034	1.992589
0	0	0.759134	0	0.222954	0.180198
6.509266	6.649742	8.515044	5.414277	7.688133	8.246643
8.338349	7.098772	8.71267	7.645079	8.301519	9.130695
6.878247	21.849655	24.114109	6.526199	11.581432	12.047739
0.530081	0.366318	0.222063	0.230063	0.425948	0.460856
1.520612	1.864971	1.758224	1.746182	2.032713	1.399658
0	0	0	0	0	0
0.332128	0.06585	0	0.077103	0	0.033769
9.780716	8.222734	12.713181	7.672695	11.368259	9.972336
0.897272	1.250325	0.728182	0.48865	0.430893	0.903171
5.740205	5.239687	7.573087	4.043298	5.679144	5.668549
0.535273	0.206449	0.173738	0.153533	0.223484	0.342246
1.092682	1.023115	0.75107	0.515897	0.794112	0.62548
0.487664	0.31639	0.186181	0	0.09417	0.481398
40.279758	41.458031	36.111946	42.067947	39.948696	40.024151
0.016947	0	0	0	0.033045	0
0	0	0	0	0	0
0.019688	0.04025	0	0	0.018979	0.067044
1.040229	0.660965	1.052649	0.567643	0.670191	1.539949
0.031383	0	0	0.078554	0	0
0.126471	0	0.198961	0.049432	0.049651	0.085597
0.065087	0	0	0	0	0
1.501032	0	0	0	0.101346	0
0.249717	0.099473	0.264716	0.07007	0.365047	0.285299
9.730369	5.203737	7.696248	2.885895	5.103405	6.277279
0.535687	0.10275	0.237125	0.387797	0.705326	0.327055
0.244525	0.174751	0.191218	0.106914	0.250251	0.254806
0	0	0	0	0	0
0.068188	0	0	0	0	0
0	0	0.017803	0	0	0
0.305756	0.621557	0.444728	0.34954	0.538681	0.436424
1.534229	0	0	0	0.049519	0
1.900759	2.105329	2.718369	0.95421	1.649815	1.134088
0	0	0	0	0	0
0.08482	0	0	0	0.020673	0.072337
0	0	0	0	0	0
0	0	0	0	0	0
0.052565	0.045068	0	0	0	0.143454
0.134609	0	0	0	0	0
4.220947	10.681584	6.54356	10.592972	20.745074	10.380911
2.392698	9.131989	7.165572	6.310614	9.678181	0.568487

7.879479	16.857193	33.725704	11.759859	22.099085	12.729064
0	0	0	0	0	0
0.648033	0.20743	0.370442	0.135535	0.211301	0
0	0	0	0	0	0
0.159766	0	0	0	0	0
0.620895	0.673869	0.220345	0.167672	0.339664	0.577879
1.839386	1.469616	0.790413	1.060801	1.110374	2.339229
0	0.0907	0	0	0.061906	0
0	0	0	0.060496	0	0.096115
0.1123	0.224024	0.27127	0.326695	0.23881	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0.099618	0.138177	0.625251	0.233352	0.082129	0
0.126417	0	0	0.124789	0.167646	0.73443
0.975074	1.637109	0.804717	0.667852	1.067391	0.775282
0.125258	0	0.206572	0.062239	0.061676	0
0	0	0	0	0	0
0.140387	0.130491	0.06066	0.06981	0.068985	0.227371
0.774647	0.020921	0	0	0	0
0.887403	1.238674	0.356905	0.232065	0.220605	0.747679
0	0	0.121567	0.141387	0	0.345981
0.299926	0.46887	0.375084	0.14361	0.182803	0.382799
2.228179	0.052426	0.4178	0.08396	0.082083	0.53954
0	0	0	0	0	0
1.000987	1.580267	0.977156	1.18605	1.971815	0.957468
0	0	0	0	0	0
0.070169	0.312118	0	0	0	0
0	0	0	0	0	0
0	0	0.053618	0	0	0
1.659595	2.834355	2.109394	2.497442	4.682864	2.921275
0.069733	0.132142	0.0506	0	0	0
0.065483	0	0	0	0	0.730129
0	0	0	0	0	0.373609
0.467268	0.132653	0.096446	0	0.262916	0
2.871528	1.578973	2.93093	1.417253	2.276046	1.891485
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
1.39294	1.560192	3.491697	1.778349	2.329036	1.878086
0.179548	0.226695	0.043429	0.079311	0.115131	0.638093
0	0	0	0	0	0
2.591169	3.917727	3.153105	1.20886	2.461841	8.340136
4.788795	2.816437	3.122067	1.197807	2.556006	2.296392
0	0.08905	0	0	0	0
0	0	0	0	0	0
1.680037	0.192301	0.195069	0	0.289055	0.388929
0.140112	0	0	0	0.071251	0.136045
0	0	0	0.077726	0	0

0	0	0	0	0	0
0	0.953654	0	0	0.443396	0.619207
0	0	0	0	0	0
0	0	0	0	0	0
0.375594	1.074973	1.698576	0.631038	1.078586	0.257112
0.11145	0.191112	0	0.111389	0	0
0.579039	0.303688	0.468044	0.337727	0.249811	0.50236
75.545401	98.845523	87.960945	55.255032	59.653034	76.706995
0.376071	0.38469	0.363936	0.352823	0.515233	0.834121
0.846507	0.4153	0.370008	0.292575	0.331286	0.238288
0	0	0	0	0	0
0	0	0	0	0	0
0.167425	0	0	0	0.167804	0
1.016645	0.913574	1.373339	1.36214	1.376138	0.970505
0.547978	0.213436	0.45039	0.319428	0.302815	0.113228
0.053811	0	0	0	0	0
0	0	0	0	0	0
0.116099	0.066065	0.093273	0	0	0
0	0	0	0	0	0
0.115253	0.131755	0.027877	0.17304	0.113117	0
0.129157	0	0	0	0	0.117494
0	0	0	0	0	0
0	0	0	0	0	0
0.982548	0.763006	0.27375	0	0.5608	0.232699
0.91716	1.728042	1.210661	0.791911	0.993297	0.808491
65.397071	65.845145	84.898153	55.05978	65.230137	52.355913
14.982466	16.800682	14.542606	12.24411	19.820704	9.657417
13.058864	8.328039	4.315619	2.142668	2.869252	7.130927
1.23009	0.366053	0.510407	0.285597	0.201631	0.829162
11.295013	11.520858	9.152898	7.710769	7.663298	10.638442
0.356696	0.309006	0.261029	0	0.075364	0.194289
9.227779	11.656618	18.141178	8.96312	15.123789	12.42314
0	0	0	0	0	0
35.838468	36.928094	29.459446	17.225628	27.705523	27.986181
6.198521	5.180225	6.621821	4.759017	4.912529	1.317548
0	0	0	0	0	0
14.199787	14.56382	16.19665	10.485824	14.330364	13.61167
17.784117	13.602741	23.459591	13.811289	17.803349	18.460541
1.942362	2.28235	1.758968	1.256283	1.931463	1.776183
9.28813	9.083404	8.822483	7.121351	6.998368	8.677092
0.682356	0.193671	0.282879	0.151853	0.148128	0.254105
23.511478	24.287251	27.411289	19.541855	25.445286	26.886572
5.093532	3.818162	5.484638	5.797573	5.486716	6.820645
1.091135	0.958342	0.951914	0.460055	0.964593	1.012698
0	0	0	0	0	0
10.656174	7.289209	5.786574	6.01981	8.001309	8.375686
26.66457	24.869766	27.886721	18.704405	24.626884	29.987707
9.401337	9.707551	10.785728	6.332689	8.956956	9.637147
155.840805	157.340149	103.839081	81.763428	109.109886	150.238144

102.712418	102.966995	74.587982	69.160545	94.699409	108.351471
53.747295	43.494732	33.982224	34.497837	56.097626	39.388607
0.327798	0.391118	0.152321	0	0	1.059117
34.44825	34.278538	36.751823	31.423769	36.438946	34.760258
1.822057	1.63064	1.627106	1.489298	1.379216	1.55621
24.31728	18.503588	21.018044	12.351539	18.785179	15.830468
2.46592	2.19472	5.024065	1.639243	2.060604	2.049007
11.161104	13.4687	30.753183	24.03073	18.793276	5.993692
7.289806	7.560687	10.793033	5.975942	8.352609	6.850999
13.504674	12.793187	20.952722	12.53785	16.10593	12.158869
5.034742	7.7698	16.531685	10.775216	16.595402	6.253635
4.919662	3.835031	4.703987	3.944901	4.243485	1.720744
0	0	0.062158	0	0	0
6.590683	4.921393	7.399966	6.32	7.683984	4.461451
11.878366	13.215502	19.135979	16.397657	21.891155	10.576967
9.572118	10.772526	13.341637	9.435493	14.212191	11.101562
2.049168	1.105175	1.153301	0.653558	0	0
3.956911	3.875817	6.483505	4.30493	5.592154	4.3692
12.062287	14.743149	23.183393	12.671664	21.145744	11.843407
4.793248	4.025204	5.018955	3.849943	4.705948	2.76536
2.421247	1.789755	2.743609	0.622355	1.639538	2.115696
6.267765	2.33225	1.280843	0.768493	1.680509	2.323967
8.819672	8.830503	13.336556	8.126286	8.752444	13.74827
17.901216	19.37292	17.63006	11.39845	15.698707	12.692195
0.728151	4.755089	0	0.228399	0	0
0	0	0	0	0	0
0.116937	0	0	0	0	0
0	0	0	0	0	0
0.101481	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
27.779755	24.170729	34.831346	20.07374	23.800958	29.871077
0	0	0	0	0	0
5.120985	5.9544	0.766864	2.559929	4.114251	1.96294
19.846216	53.192604	31.446995	25.513243	31.104181	72.821533
5.826368	6.492676	12.366289	8.977188	10.959603	5.740398
35.946075	44.444828	49.00111	31.088131	43.603111	41.771851
14.880446	13.143525	21.421328	10.578821	14.423523	13.872294
5.69564	4.830199	5.297791	2.949214	2.308113	7.304905
0	0.086892	0	0	0	0
4.800676	3.705644	5.944461	3.358673	4.660159	4.059248
1.611502	1.18048	2.186104	0.954671	1.843698	1.079122
1.158729	1.167805	1.547996	0.51961	0.745705	1.844851
4.328231	3.397192	3.089441	1.429205	1.652629	4.650697
2.523111	1.577958	3.164303	2.153294	2.188467	2.808208
0	0	0	0	0	0
0.340608	0.149371	0.042264	0.09118	0.167938	0.023723
1.43957	1.498429	2.570398	1.423656	1.082975	2.643847
5.844051	4.572788	5.536202	2.311141	3.177222	7.893415

0.656896	1.780196	0.224925	0.432817	0.217695	0.362542
0.174382	0.133964	0.218307	0.11958	0.394982	0.137871
10.642565	8.547639	10.237655	6.630181	8.258657	7.862577
13.092866	11.437665	12.689771	7.224429	10.634774	11.246389
38.056404	38.497913	52.676571	24.688103	34.908329	32.700027
10.01104	8.037831	10.01331	3.461904	3.80749	15.921606
2.849003	1.889668	3.824171	1.455621	1.968275	3.07713
2.001734	1.936679	2.910588	1.375081	2.272894	0.520062
3.786919	3.980598	3.81197	3.421556	6.308051	1.949994
21.034992	18.709015	17.339918	9.585085	11.64305	25.967846
11.833275	8.540823	11.289477	5.098361	5.727563	14.94841
0.6139	0.472646	1.127847	0.395116	0.516389	0.773806
0.667137	0.176096	0.522017	0.108977	0.308984	0.207448
4.021116	2.735362	3.919869	2.683523	5.062764	2.665055
0	0.09659	0.049444	0	0	0.034867
6.697713	5.918567	7.937852	9.967371	7.212267	6.621342
0	0	0	0	0	0
8.944867	7.279616	8.853106	4.088352	5.344864	13.500904
10.302701	9.809891	10.264393	9.928455	14.064599	7.506964
9.320291	6.382137	8.822287	4.280332	6.376775	7.009037
6.971348	8.467408	9.763939	7.996337	8.842391	7.649562
5.125903	3.98832	4.888466	2.771116	2.529332	6.281525
0	0	0	0	0	0
0.390109	0.093774	0.307729	0.178463	0.226986	0.089841
34.478897	18.996	19.393972	14.668908	15.901874	20.304199
0.54431	0.468635	0.478976	0.276666	0.435975	0.710352
0	0	0	0	0.063436	0
0.879966	1.627048	2.399849	1.502187	2.160824	1.233759
0.605459	0.206896	0.274931	0.096529	0.040808	0.131204
10.922045	9.849728	7.62915	9.198311	12.155801	5.285081
14.03595	16.120932	15.745356	6.739605	8.945616	17.047989
1.168871	1.146769	1.666285	0.267059	1.711462	1.079302
7.267041	7.766268	7.362626	4.122555	7.256534	7.762144
6.507488	8.683107	9.910498	4.307155	5.046117	7.268984
23.298344	13.932395	18.135357	13.221225	15.26485	15.114595
0	0	0	0	0	0
0	0	0	0	0	0
16.32967	18.932096	28.28983	15.248894	23.480027	17.347225
0	0	0	0	0	0
0.238568	0.581873	0.285494	0.454128	0.255601	0.476303
0	0	0	0	0	0
0	0	0	0	0	2.117561
0.309134	0.819342	0.320641	0.431554	0.477514	0.076317
1.388238	1.042421	0.851151	0.586963	1.755121	0.77833
6.797	5.716561	5.900181	3.909112	3.70766	4.458892
7.019444	5.278191	9.946851	6.465124	8.18915	3.509664
0.059405	0	0	0	0	0
0.132612	0.355756	0.172992	0	0	0
59.508074	65.782853	68.798667	39.997214	53.176925	49.68002

9.113909	8.071171	10.591182	7.163366	8.846855	7.589705
0.665119	0.975923	0.502731	0.658656	1.143664	0.328323
12.375273	11.111897	14.181262	9.909351	12.488435	17.163231
0.246854	0.084967	0.107864	0	0.290491	0
32.628407	49.045468	69.505402	50.586411	56.080128	34.824335
4.240613	2.90045	5.856863	3.797036	3.665446	3.802186
0.124251	0.294743	0.057585	0.093153	0.129755	0.048114
18.47171	19.793077	26.161686	13.340919	21.398106	16.807627
0	0	0	0	0.075354	0
2.276202	2.357912	0.790536	0.587653	1.160739	0.450617
12.819081	9.91153	8.10712	5.030486	7.670071	12.372486
0	0	0	0	0	0
68.065834	67.388	49.979088	29.312017	48.314396	54.890968
11.759796	13.052817	17.888208	9.750957	14.017813	13.890825
26.027164	25.022234	35.18988	20.658682	22.663898	47.992409
6.613574	9.825639	11.778722	11.970694	11.89569	16.292532
79.61441	57.257343	45.703285	46.28669	50.428436	56.75338
9.71312	4.409008	10.093825	7.936367	8.109622	5.663701
0.102095	0	0.086624	0	0	0.209436
16.041594	13.788407	18.180296	12.87748	21.094618	8.923988
2.211936	2.989923	5.62396	5.078719	4.250074	1.835363
9.899674	10.408771	10.830393	7.65789	8.576946	8.436901
53.83997	62.50758	81.172997	78.242111	81.754204	83.506798
38.879785	34.247401	37.05293	22.903421	33.900864	35.421364
32.17281	23.721033	24.961851	16.602468	16.229662	31.864725
0.07652	0	0.018844	0.013035	0	0.088587
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1.263905	3.358251	3.270087	2.358714	2.846778	3.263851
3.768266	3.270792	3.723307	2.840699	4.868953	1.503565
3.820299	4.017618	3.472776	3.256801	3.74329	4.000931
0.913164	2.049634	1.926603	1.541126	1.289289	1.880303
0.13436	0.176523	0.642962	0.075346	0.389563	0
1.368741	1.493151	3.83095	2.008098	1.487783	1.103877
5.046159	4.4968	5.284105	3.342277	4.027014	4.713782
1.222625	0.839523	0.050896	0.137387	0.091787	0.366887
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0.717471	0.419141	1.620166	0.719624	1.094508	0.716008
7.494102	8.635663	13.173798	7.871833	11.715907	5.712095
5.275095	3.120453	3.776501	1.926327	2.822187	3.035351
11.013758	10.258483	10.79244	8.423941	11.071367	11.749486
5.661968	5.469462	5.800294	2.865243	5.416363	4.566181
15.299335	16.961302	23.932892	14.039406	19.334034	18.336077
22.564999	22.732744	26.496151	13.226001	17.228745	22.174555
1.139446	0.839	0.621512	0.262341	0.627783	1.176376
4.78216	5.323539	10.061749	8.435499	9.584222	5.00025
4.959121	3.903546	4.2594	2.128032	4.385519	4.73054
13.615361	18.499032	23.30306	10.47724	14.017087	12.179868
1.844025	1.124973	2.639082	2.007023	2.260489	1.50791
0.252457	0.163008	0.362774	0.075797	0.276791	0.036795

0.067185	0.270575	0.051498	0.030873	0.104482	0.289234
1.552392	0.896545	0.713482	0.369005	0.687378	2.022602
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1.521123	2.470063	1.326076	0.808422	2.041352	1.924295
0.44579	0.206232	0.146743	0.129084	0.134901	0.220218
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3.934429	3.370278	4.689152	2.190901	2.700189	2.970462
13.41722	13.22661	16.0098	8.816847	13.015503	11.358402
9.90527	6.145693	9.25347	4.625112	7.062877	7.814663
7.735985	8.397653	11.333706	12.522187	11.19936	8.833263
2.514242	2.489194	2.410444	1.755306	2.031482	2.044834
23.260824	18.737906	20.463301	18.525051	19.050182	21.477291
1.844111	0.595154	0	0	0	4.347207
4.77684	9.481153	8.138484	1.022404	2.62676	3.610189
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23.312435	33.512062	50.541615	42.752968	34.701382	25.241531
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1.463277	0.263863	0.834309	0.600635	0.286922	0.071268
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23.03289	12.308194	15.627615	4.808145	3.154128	13.328986
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1.815524	0	1.281711	0.462217	0	0
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5.811277	5.34379	7.792281	4.154268	6.001581	4.300184
7.88869	8.332441	13.393049	6.211446	9.45564	6.864192
3.666306	2.619382	3.345418	2.176161	3.452556	1.980928
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19.457727	12.957943	7.140218	11.864048	14.789191	14.695217
20.745188	18.018599	22.9498	14.270886	14.741582	27.716375
1.753193	1.323809	2.788789	0.982968	0.932085	1.919505
7.415943	6.28209	6.100845	5.257154	5.549554	7.081244
45.11969	32.172119	25.115355	14.241972	15.764531	52.602848
11.632067	10.567841	8.905775	8.208414	8.044019	10.530695

24.365389	20.73815	18.971418	18.128603	17.281677	25.047291
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16.960867	14.346823	12.726312	8.992247	10.831479	17.110907
0.800544	0.558071	0.748655	0.685394	0.696078	0.236011
38.615356	26.060259	24.643169	18.237324	23.701496	30.347437
11.675855	13.410975	18.789576	10.016581	22.379187	11.486613
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12.495217	12.654597	16.919392	8.404455	11.14238	12.113245
4.130416	3.293585	4.229691	2.60937	2.771018	2.826828
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4.569355	5.281206	4.378652	4.068563	4.262898	3.991033
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4.944192	69.705368	9.406785	32.158298	91.933548	18.354502
1.542304	7.774149	3.176553	2.164412	7.042329	48.322388
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3.547359	41.774376	5.040834	17.311264	42.857098	156.774216
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230.569901	251.16275	232.488205	289.795532	261.190826	242.72789
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3.412161	2.835163	3.080289	2.1819	3.450385	3.349519
0.037168	0	0	0	0.02432	0
25.695145	24.32093	20.37656	11.407214	13.616	27.608614
20.299982	14.709603	21.395435	19.346126	16.533181	17.042941
26.10886	30.807489	33.352329	28.440752	31.981625	28.124783
0.220955	0	0	0	0	0.028551
1.277965	2.776089	0.662373	0.221104	0.276617	0.63233
1.740191	1.107352	0.712426	0.043098	0.154091	0.774218
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8.253895	5.838725	8.975684	5.261971	5.339281	10.668961
17.645931	23.1465	23.638605	17.111662	18.64002	21.498169
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3.211044	2.51934	3.282855	1.31694	2.390829	0.697327
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18.677627	22.582977	19.351029	20.776708	15.704383	18.772305
10.501092	6.676806	5.998095	4.373326	5.606178	4.245513
2.710467	2.499583	1.924968	0.962353	1.803708	3.083591
14.553074	11.371736	6.479536	5.033973	5.75107	11.530272
6.085394	8.737588	9.666806	8.109122	7.169592	6.594961
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4.93212	2.53281	1.84875	1.572497	2.708406	0.980386
67.711845	69.029701	56.790592	56.678028	59.350464	70.20977
5.337173	4.259627	3.98431	2.931429	4.701548	3.331155

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8.338161	3.689715	4.406242	2.743431	5.396516	3.334244
10.525181	25.147207	47.02282	31.219698	36.039268	20.878563
90.928185	96.396111	120.432198	86.95372	119.948845	120.094955
17.219809	12.422643	21.012953	12.220735	19.024235	9.457246
0.54184	1.122499	0.622322	0.18316	0.528856	1.237446
35.239418	45.520901	62.466881	50.666489	78.677856	52.213085
3.313759	3.332355	2.948425	2.069111	2.210274	6.382642
0.128177	0.164846	0.217643	0.126447	0.476555	0
521.646423	444.388794	355.556488	250.768814	354.207977	534.744141
89.203569	92.329984	78.726956	81.875621	101.547035	95.520881
0.026526	0	0.032558	0.075477	0	0
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90.218346	81.44487	77.568726	51.704563	79.290627	93.431351
142.041061	166.731415	99.992165	83.290787	89.757324	139.569687
54.774487	48.652161	58.927292	50.102631	58.423347	55.923573
69.28907	68.794586	47.134197	40.184391	48.584641	69.617905
82.351768	67.980743	61.033825	62.04213	58.220371	85.441666
6.016866	7.220645	8.244025	8.778821	8.903928	4.916859
2.28158	1.922467	2.723605	1.457265	1.99519	2.024052
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43.555363	50.575806	33.395538	33.537659	31.291559	69.254959
290.101807	287.251953	233.6754	255.282394	277.120117	254.275101
17.036873	20.628811	24.36096	17.515675	24.085514	25.147474
222.685272	196.402145	113.566437	77.273918	99.973625	140.61879
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35.399868	33.561703	32.927032	20.093542	27.228495	29.452879
14.374061	10.958379	4.139359	4.656134	5.649207	11.420688
4.313198	3.599001	5.303311	4.75107	6.578049	3.615792
8.662107	7.433857	10.659184	6.11968	8.00426	8.267883
2.064226	0.687835	0.805815	0.163104	0.69989	0.224691
37.057377	30.075985	21.537678	22.516953	21.921221	29.254692
24.553192	26.807411	34.328144	27.811956	25.782894	36.588394
75.568115	85.252174	80.853088	841.941162	123.910263	95.240456
34.01363	26.826897	38.266705	37.46056	38.370972	29.813526
70.603691	58.701328	58.552891	41.997021	63.741825	75.882195
3.339296	2.655358	1.579853	2.447896	4.451031	1.454747
13.864171	29.615996	25.566277	15.317245	19.986585	21.214171
6.615312	5.723214	7.042692	5.009398	6.069444	6.346759
7.054658	4.072497	7.966535	3.095887	6.031228	5.233973
1.301115	0.291718	0.162836	0.095691	0.435037	0.217846
8.154901	10.242694	17.090372	11.752434	14.002808	8.519994
45.611893	50.450962	30.364628	28.581953	33.296844	51.45237
0	0	0	1.17885	0	0
13.55696	15.83334	8.756036	7.535315	20.556406	4.121307

15.131002	12.287982	12.485193	8.600618	9.560408	12.936386
0	0	0	0	0	0
0.648757	1.192244	0.268236	0.894857	0	0
1.107258	0.966382	1.899357	0.792069	1.417592	1.149415
0.835058	0.164191	0.168799	0.043553	0.225919	0.147233
4.79776	20.887342	4.120553	3.431441	6.225093	5.009194
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
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0	0	0	0	0	0
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0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
2.615131	1.675575	0.4827	1.208416	1.58453	0.810884
8.046672	7.549965	7.367196	5.79077	7.245493	5.572389
17.643963	17.339121	16.319483	14.279848	15.919826	16.131611
1.98496	2.179514	2.116723	0.691913	1.285015	2.442699
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
20.676535	215.702942	121.459969	105.385292	248.72084	4.807716
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0.504443	0.346228	0.751357	0.482415	0.687289	0.25579
1.12796	0.945111	1.469985	1.241659	1.014206	1.24194
107.583639	62.163099	48.59498	40.572163	45.125613	73.936162
15.247869	8.918797	9.057272	6.123936	7.977423	10.054753
0	0	0	0	0	32.971191
0	0	0.050472	0	0	0
14.79603	13.393741	14.658375	8.544421	12.038274	13.473764
76.424488	79.85643	147.171059	80.029667	95.986656	62.731886

2.056161	0.957166	0.824351	0.457017	1.006081	0.349224
13.953639	0.365696	0.303351	0.181681	0.414052	1.438734
707.791353	910.416331	909.990354	945.36935	1006.415191	951.627641
0.365404	0.28924	0.533354	0.316842	0.256755	0.143553
11.782592	3.705253	4.71074	2.74914	7.102642	7.391289
0	0	0	0	0	0
2.27978	4.687324	1.377046	1.300971	1.6257	0.489089
12.929826	13.987889	17.495579	5.223872	10.032618	5.497572
0	0	0	0	0	0
0.166321	0	0	0	0	0
3.011124	3.782152	3.956287	2.645278	2.376018	3.510295
5.434747	4.970597	9.431424	4.200747	5.775316	5.205601
12.452052	11.127168	11.379525	5.660788	12.080171	8.974101
0	0	0	0	0	0
0.645256	0.147045	0.182603	0.136544	0.217093	0.358222
2.132937	23.235405	3.876743	6.278492	24.578587	83.889267
0	0	0	0	0	0
4.287231	34.312084	3.657701	2.853865	6.612239	2.827292
0.538179	1.980205	1.15709	1.361536	1.670152	1.309914
1.974776	0.912897	0.530458	0.445278	1.481465	0.386245
0	0	0	0	0	0
1.402701	2.245161	1.900747	1.687842	1.248769	1.239442
0	0	0	0	0	0
0.386616	0.064528	0.243657	0.155251	0.07589	0.158266
34.753635	34.806156	36.680927	28.342991	38.143494	27.503727
2.735868	2.529134	3.382084	2.583173	3.46171	3.173064
5.827342	5.246909	11.103621	5.432811	9.631039	3.968359
12.896836	10.858252	8.483621	6.332935	8.202477	8.99741
50.242699	36.128738	66.786987	34.806396	46.591194	28.195868
2.416091	1.64787	1.993841	0.98611	0.985842	4.596292
14.770859	13.597151	12.381295	9.473512	10.557037	17.338736
0	0	0	0	0	0
1.708668	1.625469	3.098072	2.334335	4.609383	2.336025
68.535515	63.113647	55.08477	43.02182	59.83934	60.712563
27.603889	26.93832	21.271051	19.937389	18.556292	26.522467
19.728653	16.64039	14.91145	8.815546	9.651169	27.745468
1.583962	1.221873	1.866987	1.213008	1.844202	0.909471
11.386879	10.187306	16.298506	10.26567	11.593956	11.732638
32.585724	21.559885	23.590031	8.704597	13.386254	23.475645
2361.884766	2719.965332	2790.854004	2496.212402	2253.194336	3038.846924
0	0	0	0	0	0.150588
0	1.510342	1.932902	1.532997	1.958775	71.225037
341.144936	320.064896	374.498161	364.979904	353.469696	432.73288
107.94091	48.292198	21.046005	12.629926	25.969269	46.197403
2.13536	4.80233	12.78547	7.070995	7.391037	274.901123
0	0	0.105138	0	0.239663	0.464153
1.734919	9.057475	1.916086	1.397453	2.960689	2.461186
26.847566	17.489422	9.421351	8.691984	17.12575	9.082555
63.594571	64.224247	29.895245	18.681455	26.877432	66.611071

5.390688	6.659278	11.426681	6.314688	8.895261	9.288047
0.05354	0.030603	0	0	0	0
7.449679	4.081466	1.293719	0.632519	1.501556	2.094324
1.544867	0.855266	0.536579	0.071644	0.366475	0.210848
1.97364	3.904611	2.356762	0.937652	1.955693	3.195747
521.682129	254.569138	307.951385	247.528412	355.686768	317.2229
2.245815	2.88201	4.726092	2.406809	3.682637	3.086511
0.225235	0.20621	0.093505	0.080772	0.285036	0.231168
2.383897	5.85263	5.206872	5.063448	6.831878	3.427851
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
35.949608	37.226036	37.38065	28.503679	36.039097	27.598358
0	0	0	0	0	0
16.936726	13.583529	17.387886	11.824051	17.947092	15.525865
0	0	0	0	0	0
0.06338	0.174514	0.068061	0.08007	0.046133	0
0	0	0	0	0	0
6.092687	5.625564	2.127201	1.563159	2.496891	3.575998
0	0	0	0	0	0
0	0	0	0	0	0
0.330752	1.885735	0.215652	0.317416	0.916471	0
0	0	0	0	0	0
0	0	0.0882	0	0	0
0	0	0	0	0	0
1.732646	1.623042	2.291184	1.23794	1.87165	1.280629
0	0	0	0	0	0
0.98899	0.743803	2.435483	0.815019	1.418914	0.835501
20.689157	23.212713	17.505371	18.004519	16.691154	21.73793
7.41853	10.752428	5.903019	5.968683	6.59924	5.185013
2.481459	4.413345	2.656842	1.100067	2.222025	0.314347
15.068448	15.290253	15.34819	11.083371	13.923219	19.535322
5.171995	4.813942	7.751285	5.17194	6.385234	4.246377
2.066883	1.476382	1.644869	0.801516	1.120681	1.474221
105.669426	64.852772	76.94441	74.19205	73.491631	62.180777
1.967315	4.112247	1.219891	1.980316	1.292706	4.025744
4.976572	4.899909	3.940326	1.275595	2.77703	3.555137
146.360794	95.103966	96.532398	81.908892	83.873123	88.892031
0	0	0	0	0	0
20.429885	18.570504	24.340221	12.156589	23.774034	23.00018
2.876504	0.559807	0.188579	0.257915	0.371828	0.218174
17.769428	13.167247	12.425383	7.603459	10.370979	13.959908
27.071672	21.206158	17.622492	13.054293	23.439512	23.731335
14.561824	12.61514	20.968777	9.876447	14.105644	8.571985
7.282885	5.930957	8.183001	4.972284	7.791413	4.050527
11.019545	10.872502	16.718375	9.179673	16.44092	11.527627
20.101355	5.739754	14.688613	11.915019	12.241011	4.405415
1.978871	3.627036	2.577754	1.934172	4.3176	1.507014
0.163375	0	0	0	0.042873	0

0.462927	0.392966	1.011495	0.957722	0.729572	0.747246
12.911877	14.064933	12.85045	11.061832	12.211772	10.938848
3.516066	5.063588	3.808529	2.270971	3.929178	5.119912
3.436045	2.720731	3.132575	2.194485	1.73997	3.600379
0.045885	0.142139	0	0	0	0
0.291907	0.227874	0.343033	0	0	0.195049
15.363603	13.884083	15.159217	12.649789	15.22958	14.949564
6.719244	4.684798	5.301844	3.678147	3.208129	4.951297
0	0	0	0	0	0
0.199372	0.209548	0	0	0	0.090953
0.07391	0.074522	0	0.583609	0	0
1.922	2.78877	2.240366	1.462372	4.38415	0.791753
0.046385	0.026336	0	0	0	0
1.377309	2.705926	2.043936	1.418822	2.572561	2.144435
0	0	0	0.049325	0.045865	0.078218
0.263751	0.543993	0.952018	0.575125	0.314106	0.465858
0	0	0	0	0	0
2.245317	2.14307	2.913013	1.659468	2.18247	1.652922
27.46024	30.092966	26.31293	19.727788	30.07076	23.628903
0.78648	4.437848	0.504819	1.493478	3.070646	0
3.798422	3.273638	3.73136	2.063482	3.094112	6.293153
0	0	0	0	0	0
0.290628	0.367119	0.115154	0.040299	0.216427	0.298709
0.153855	0.067533	0.028578	0.128363	0.077306	1.27918
0	0	0	0	0	0
0	0	0	0	0	0
0.084422	0	0	0	0	0
0	0	0	0	0	0
0.836535	0.383208	0.337339	0.048982	0.342341	0
3.630132	4.073605	4.130994	1.960428	2.156294	3.319842
5.931449	4.73772	4.930573	2.693789	2.788965	6.053691
69.165634	64.678688	44.073551	47.742527	59.496628	71.693512
0.261936	0.076367	0.048762	0	0.060103	0
29.503374	37.765453	44.64616	31.869123	41.227715	32.22691
0	0	0.127778	0	0	0
10.648205	12.501628	26.649316	11.437257	19.30959	9.325246
0.75562	2.114408	0.871733	0.412261	0.883596	3.642758
54.631233	50.024746	36.051296	33.22905	31.725046	48.322353
41.532024	45.920048	41.102314	32.530193	41.855733	49.711241
0	0	1.523363	0.17572	0	0
55.47028	61.559376	41.103176	34.662598	37.58543	57.851257
12.963094	11.57836	8.940946	6.36601	7.522844	9.576989
1.662371	1.253174	2.696061	1.367327	2.421738	1.795127
13.718766	13.949192	29.558428	18.483892	23.702734	19.284937
7.220479	6.027595	6.264926	4.426848	6.212269	6.575502
2.391647	1.812173	3.0971	2.748572	2.079394	2.327453
4.942332	8.421721	1.324521	2.77	3.364541	1.6702
10.024505	13.921923	10.426758	8.944063	10.669203	7.452485
23.330294	22.57019	23.309011	13.043736	20.374329	19.499514

0.788341	0.602878	0.931758	0.41462	0.681327	0.50963
260.195651	299.975121	330.897802	162.179554	184.431148	287.401429
21.68635	19.791471	17.682131	10.695915	12.533978	23.902279
8.569988	9.562027	7.623611	3.975667	5.711091	8.415939
0.203263	0	0.37686	0	0.217691	0.562752
5.925322	8.027766	8.992299	10.629318	4.774811	8.639377
25.626563	12.801203	10.220751	5.4602	11.251611	12.071656
0	0	0	0	0	0
36.430427	29.160739	34.482363	29.575494	37.034184	32.938542
4.232145	6.477118	6.014341	5.588864	9.180857	7.97612
2.236173	0.781194	0.223865	0.038715	0.457972	4.11782
12.199536	0	0	0	0	0
2.999217	0	0	0	0	0
3.123287	3.445624	3.56205	2.412755	3.15208	4.707967
0.347556	0.298687	0.57502	0.207353	0.357843	0.298666
0.066187	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
2.313005	2.239332	2.814822	2.410458	2.676722	2.795493
3.600319	4.332208	6.565554	4.64804	4.736287	4.302266
0.461837	0.484263	0.53272	0.380448	0.105013	1.815898
3.639321	3.666579	3.895357	3.258055	4.037361	3.442441
19.915823	14.283929	12.531892	12.385706	8.999292	17.911652
0	0	0	0	0	0
0.693427	0	0.346833	0	0.306518	0.844731
0	0	0	0	0	0
0	0	0	0	0	0
0.315389	0.254788	0.511646	0	0.103181	1.434541
0	0	0	0	0	0
0	0	0	0	0	0
0.51602	0.329016	0.961324	0.215641	0.620751	0
0	0	0	0	0	0
18.377653	10.353133	13.905493	13.742827	15.285891	7.013264
0	0	0	0	0	0
0	0	0	0	0	0
1.887821	1.543562	2.621387	0	1.180323	0
0	0	0	0	0	0
0	0	0	0	0	0
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3.949343	3.814314	0	0.455537	3.83039	0
0	0	0	0	0	0
1.04923	0.428792	0.763327	1.019102	0.132231	0.195439
8.879803	8.130186	12.540959	10.637032	9.132143	5.281192
0	0	0	0	0	0
0.288161	0	0	0	0	0
0	0	0	0	0	0

5.141831	4.543996	4.31383	1.785242	3.172103	5.526484
32.14238	42.060326	53.234867	42.10162	48.599049	40.463726
14.239213	21.66263	14.584571	14.813372	12.518563	15.063062
4.726709	4.644874	4.535834	3.836998	5.635742	3.593949
0	0	0	0	0	0
1.121043	0.433873	1.333993	0.818349	1.190433	0.525482
0	0	0	0	0	0
26.238962	23.100557	34.168182	28.447758	55.786274	10.235238
0	0	0	0	0	0
45.500538	28.965775	21.032192	12.274508	25.724379	18.001898
56.986378	27.498438	11.297262	11.842624	22.335272	13.548787
36.58522	37.521221	70.894119	33.970467	57.820023	34.023586
6.142469	5.7816	4.884079	5.861969	4.767448	2.049707
22.681799	21.28599	22.699432	17.064192	21.862072	24.696396
0.725468	0.807347	0.908766	0.451829	0.792806	0.547725
0	0	0	0	0.118451	0.351824
0.389641	0.824832	0.690097	0.395007	0.823063	0.451881
0.834116	0.666294	1.192017	0.104673	0.354752	1.846709
6.965215	8.664944	8.15567	9.231759	7.476155	4.437542
14.550756	13.024883	13.554222	5.990334	8.278005	10.944427
14.720372	6.865252	2.972844	1.976328	3.394028	7.149035
0	0	0	0	0.053274	0
19.639936	16.57876	15.357047	8.667035	12.672685	40.068508
30.650761	27.358305	25.547909	15.813254	16.427761	33.164082
11.717643	11.130454	11.120994	7.264351	9.334693	14.953332
7.098667	5.427476	6.349454	4.143219	5.011894	4.397461
7.054251	7.734902	8.968685	7.141492	10.976935	12.889129
2.353822	2.600517	3.637178	1.391052	2.646346	4.413086
24.935419	22.497557	11.149563	5.184316	12.174464	25.136347
0.051936	0	0	0	0	0
5.643257	4.167041	5.289456	4.951748	5.174289	5.66706
8.449379	7.112151	5.008434	4.051599	5.1865	7.906559
0	0	0	0	0	0
6.350029	8.35566	8.977507	5.923641	10.110211	5.376817
8.188122	5.970046	12.938134	11.842055	18.520414	3.468628
0.080164	0	0.03697	0	0	0
0	0	0	0	0	0
8.660671	2.680523	8.39751	4.413515	5.100588	5.852722
0.240432	2.76808	0.26768	0.665533	1.219119	0.553779
0.79143	0.641736	0.542394	0.374378	0.574882	1.107172
3.709369	4.275762	4.939883	3.231537	4.343672	3.339132
1.918623	2.337893	3.830899	3.370361	3.895152	2.377287
7.91609	6.277599	9.695367	5.823915	6.495333	5.415217
21.618969	16.281758	22.065892	0	15.588352	2.656269
0	0	0	0	0	0
0.859317	1.122968	1.592589	1.322439	0.961148	1.00545
0	0	0	0	0	0
1.019827	1.492328	0.862119	0.132644	0.745048	0.389647
2.135787	1.308	1.053087	0.338441	0.840989	0.805632

0	0	0	0	0	0
40.917046	191.766891	40.873531	39.575397	70.352577	35.388062
0	0	0	0	0	0
8.594924	4.831016	7.788069	5.415306	4.135291	0.410982
15.770422	23.46496	25.41214	22.944378	33.634991	24.56102
2.652613	2.421996	4.204429	2.742385	3.321828	2.504014
3.221523	3.992223	6.87306	3.385352	5.180886	5.041599
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
14.073368	9.889384	8.601364	4.719197	5.62435	9.096666
56.208752	66.964462	91.958244	62.200493	95.123825	54.367016
34.321392	33.507221	32.722256	20.232767	33.771927	41.67791
2.748877	2.945695	2.040149	1.829369	2.239108	2.083505
14.472597	9.740541	10.722979	6.869987	8.459355	12.371543
0	0	0	0	0	0
0	0	0.014264	0	0	0
0.155574	0.188267	0.159766	0.125838	0.109065	0
0.943417	0.810401	0.494561	0.171692	0.742222	0.051937
1.626382	1.653742	2.217224	1.401717	1.898699	1.519324
11.300605	20.56562	24.43334	16.778683	25.745676	14.322845
9.371337	10.678707	10.189802	8.75611	11.379141	7.009572
2.855261	2.2184	3.970025	1.397794	2.084232	3.072544
32.805897	32.820625	26.894117	19.215031	27.939928	27.755222
13.320046	13.634261	13.052107	10.587209	9.822701	14.963482
3.957407	3.643695	2.522203	0.254184	1.560593	6.879476
2.41516	1.915665	1.798086	1.193366	1.025124	4.01611
0.073099	0	0	0	0.124682	0
0.511848	0.061917	0.05311	0.036739	0.071835	0.149809
8.584851	7.621136	9.862041	5.164924	7.026797	7.248538
0.211587	0.304121	0.264665	0.386915	0.457995	0.2386
5.497513	2.438978	2.491457	0.860433	3.091202	3.66215
2.241155	2.595033	4.472436	2.396586	3.622395	3.236323
0	0	0	0	0	0
4.437784	1.090828	0.578436	0.380833	0.771916	1.407863
0	0	0	0	0	0
0	0	0.09945	0	0	2.725649
0.858759	0.0504	0	0	0.077152	0
3.187798	2.054864	3.424186	1.485439	2.618175	2.98845
0	0	0.153293	0	0.154987	0
1.123073	1.680901	2.952535	1.312665	1.834187	1.95707
17.391869	15.422884	12.564147	6.241953	10.463191	12.741013
0	0	0	0	0	0.464594
2.283387	1.79994	2.733703	3.109619	2.784825	1.770916
2.943438	3.076993	2.412894	1.421412	1.818989	3.122854
0.406922	0.606394	0.749016	0.462877	0.907423	1.102075
0.264984	1.836957	0.188344	0.106598	0.357804	0.362226
1.113125	0	0	0	0	0
0	0	0	0	0	0.147956

10.53062	17.306976	5.403706	6.13728	13.53897	2.864366
0	0	0	0	0	0
0	0	0	0	0	0
0.161578	0	0	0	0	0
1.690753	0.532751	2.016224	1.431584	1.740593	1.416528
1.17819	0	0	0	0.13414	0
0.788208	0.035986	0.18192	0	0.325149	0.2581
5.952768	9.407916	10.091755	9.593848	10.836149	11.800489
17.939869	17.592796	18.553257	10.886491	16.201122	15.905029
23.927187	27.609358	21.470589	22.785797	22.337336	23.769329
0	0	0	0	0	0
19.967957	16.503199	27.148497	15.001392	22.028551	13.483677
0	0	0	0.23515	0.262036	0
16.628948	15.447842	13.991749	8.402492	11.920487	12.287003
0.122727	0.139365	0.246178	0	0.240905	0
3.007442	2.523115	3.080974	2.316857	2.218613	2.285461
0	0	0	0	0	0
0.629199	0	0.028197	0.077756	0.181927	0.188089
2.168738	4.872949	4.326071	4.023782	4.708154	2.847531
0	0	0	0	0	0
0.572425	0.260712	0.076075	0	0.170466	0
0.559501	0.661389	0.796682	0.179262	0.641544	0.867974
5.395067	5.587589	5.654964	4.324315	4.114049	6.353876
15.090528	14.405818	14.424755	11.002674	13.406259	13.926501
67.672508	62.837883	48.214989	34.530548	43.269787	94.133919
0	0	0	0	0	0
3.733376	0.744039	0.510482	1.084588	0.803599	2.178918
0	0	0	0	0	0
0.049149	0	0	0	0	2.093571
0	0	0	0	0	0
0	0	0	0	0	0
1.525511	1.724939	1.501461	0.32396	2.236031	0.714757
0	0	0	0	0	0
0.659036	2.000911	0.732265	0.220538	0.576354	0
0	0	0	0	0	0
0	0	0	0	0	0
6.14047	5.866549	5.350906	2.959938	4.923221	7.212812
0.309696	0.056439	0.143531	0.049754	0	0.236093
14.444652	13.098606	17.932358	8.172321	15.847049	13.523394
2.29543	2.090847	3.836521	1.881496	2.247979	3.26132
9.955747	10.457493	9.193768	6.484086	8.204542	11.290237
6.378861	6.739429	8.661298	4.867017	5.378955	7.175284
0.468658	0.462918	0.467699	0.304857	0.499131	0.321364
0	0	0	0	0	0
2.005935	1.301495	2.19129	1.591254	1.622045	1.04162
0.170572	0	0.295689	0.076539	0.070151	0
55.175188	53.702368	64.171669	47.499422	57.502499	56.416474
21.533072	17.489698	13.066605	16.031639	14.219734	18.501034
0	0	0	0	0	0

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0	0	0	0	0	0
10.903461	9.880249	19.649483	8.465271	10.499562	10.617368
2.62715	2.016157	3.105126	2.14918	2.677877	2.023657
0.565817	0.086522	0	0	0	0
3.181194	1.455305	1.312331	0.273662	0.883789	0.767702
0.086373	0	0.109056	0	0	0
0.500455	0.10027	0.173956	0	1.307814	0.298069
4.92483	2.267343	2.396566	1.143459	1.434051	2.023484
0	0	0	0	0	0
0.39537	0.171333	0.447983	0.228066	0.260859	0.690961
0	0	0	0	0	0
0	0	0	0	0.081678	0
3.749414	2.37842	6.54646	2.952086	3.068669	2.97625
0.145258	0	0	0	0.020388	0
0	0	0.061249	0	0	0
13.446478	14.051523	17.354233	9.911737	12.875036	17.121523
0	0	0	0	0	0
22.544653	21.539455	26.309786	15.43049	18.182779	26.781166
25.344425	24.382885	19.049286	15.904861	16.772852	28.743311
21.538603	23.414061	19.808426	12.465819	18.797539	26.006947
3.035484	2.386914	3.71619	2.492058	2.390571	2.092883
31.105648	27.150314	22.526354	23.35108	22.660463	36.476452
29.468231	31.44368	31.699602	26.833513	31.920069	30.493309
21.301264	18.00102	24.578934	15.575999	22.019955	20.459265
72.755194	79.434117	50.697347	36.245112	38.396743	73.169509
179.843338	151.563858	118.996277	151.949509	134.544662	180.951859
158.526535	165.293808	111.904549	129.5065	103.754135	151.652206
100.224739	92.534302	74.288841	73.659988	60.080662	88.901276
17.525774	13.1055	12.520701	10.444928	9.289992	17.415503
164.835876	152.223328	131.410904	113.524704	108.277458	151.517487
61.986702	59.305782	58.650394	57.26823	58.824856	74.542763
2.417911	0.429805	0	0	0	0
102.448521	110.791032	80.582296	50.084748	59.319934	95.302745
11.896104	34.284247	13.911457	10.308934	14.208429	29.401924
1.865172	3.774033	4.821253	1.81233	3.346427	1.94827
40.725616	14.945071	8.292333	7.258861	13.069406	6.794812
0.219838	0.329852	0.238219	0.205984	0.42002	0.074995
32.196438	32.082256	27.717829	26.055365	31.384619	35.345879
6.985868	4.519991	0.732711	0.973745	4.179436	0.455914
5.71595	6.465117	5.760613	3.831385	4.119453	3.266498
0.105641	0.181151	0.190621	0	0	0.789472
27.241276	36.061346	43.007915	33.024277	33.924971	41.325565
17.499763	17.569162	19.097706	12.131446	20.445131	9.182454
54.072044	102.996445	149.145035	100.678543	139.247635	81.55497
21.661867	48.943985	76.045579	61.698566	69.550964	36.964176
55.705872	58.691391	49.636509	29.23851	42.019154	67.895157
40.9086	55.22691	65.490402	37.632225	26.089819	47.941612
0.193303	0	0	0	2.26177	0

0	0.160525	0	0	0	0
6.102262	4.841084	7.141494	4.498837	5.77678	6.288033
18.841702	14.862625	12.405355	9.986834	10.146433	23.109167
37.325909	41.106855	56.468256	46.687993	41.901386	28.647903
45.425308	39.61687	63.897568	55.298225	70.669093	29.266404
68.779671	40.542305	41.959377	41.943958	48.318352	32.464306
111.571655	74.695618	24.893646	31.247622	60.544556	22.42226
1.414712	0.609155	0.832704	0.672863	0.803512	0.653169
6.137372	11.962662	13.326753	8.233025	11.851166	9.148568
9.658944	7.31574	10.830141	6.725308	7.959175	7.861089
0	0	0	0	0	0
0	0	0	0	0	0
0.042842	0	0	0	0.069525	0
43.446594	42.820751	44.222168	33.091702	38.426922	38.885746
133.768478	29.167693	15.731205	6.681734	12.609227	33.15458
46.776727	8.962857	7.784611	2.942505	2.194263	13.806069
19.522095	3.280431	3.818833	0.619213	2.551872	5.078392
3.668076	40.333908	5.126497	11.40064	30.280611	0.675438
340.83458	260.62468	157.949221	75.622791	143.308717	210.673322
0	0	0	0	0	0
1.730751	0.247322	1.012929	0	0.897469	1.106995
0	0	0	0	0	0
0	0	0	0	0	0
1.256343	0.4273	0	0	0.238392	0
0	0	0	0	0	0.13683
0	0	0	0	0	0
0	0	0	0	0	0
0.902641	0.221684	0	0	0.175348	0
1.958516	2.103178	0.495656	0	1.533827	0.803261
2.828007	2.642063	4.247024	2.614807	3.207724	4.212254
62.464966	58.515091	18.444683	19.54467	24.865284	29.221848
15.410208	8.840455	10.156967	5.683312	4.823498	10.728659
5.556486	2.758076	2.189463	4.162457	2.457811	3.172866
59.564251	42.968868	33.408184	28.124197	26.650263	54.725853
0	0	0	0	0	0
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19.736687	18.672453	17.777754	6.060424	8.411902	10.29763
35.377732	26.169285	23.921843	14.5824	14.108534	25.98328
3.969434	1.690403	1.569046	0.404957	1.012038	1.384996
0.42644	2.783927	0.204435	1.436953	0.765583	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0.373537	0.480282	0.180032	0.225999	0.11922	0.494027
0.36502	0.114082	0.287722	0	0.097943	0.384911
0	0	0	0	0	179.196834
14.053836	12.074932	10.674294	9.150375	9.873941	20.072126
48.71497	46.925705	36.581982	22.815502	29.742107	37.135086

11.221863	10.058743	11.668898	12.023815	10.769823	4.910294
5.222056	3.787833	2.902583	1.890391	2.296588	3.929144
13.152	11.290456	12.612895	10.379159	10.768624	13.052
10.641232	10.980557	7.829677	8.963993	8.442559	9.874707
12.385984	9.417946	11.821331	9.1158	9.700557	10.26713
0.466745	0.657273	1.033267	0.175449	0.857789	0.664806
0	0	0	0	0	0
4.304809	3.861405	3.679665	3.02043	2.480674	3.901697
3.579579	3.573951	3.819717	2.525316	3.537897	3.367392
11.024655	10.746284	7.975999	5.320869	6.001182	10.950817
2.877823	1.978011	3.830718	2.851104	3.662522	3.286482
2.112912	2.159844	3.237523	2.131623	3.328737	2.124048
1.291746	0.759131	1.386114	0.761979	1.066973	0.752288
2.863931	1.355881	20.023006	1.295671	3.40981	1.471218
213.312546	216.728363	97.867737	51.477825	56.042381	265.24173
5560.555176	6070.587402	2527.241943	1368.124512	1464.143555	5634.010742
0	0	0	0	0	0
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0	0	0	0	0	0
16.126812	12.31945	10.233487	8.815494	8.64194	19.641109
4.530953	3.046567	3.712418	3.67669	3.644511	3.991847
25.291273	26.976057	33.873474	20.623924	25.807047	24.640751
0	0	0	0	0	0
30.534717	37.194897	49.49649	32.826936	47.258927	32.368935
2.113253	2.555268	1.823765	1.156634	2.540675	2.064923
0.938513	0.976957	1.438584	0.739622	0.709994	1.440549
92.967926	84.804718	73.718796	70.678947	79.735291	103.465057
0	0.188555	0	0.082791	0	0.168798
0.108714	0.163901	0.158833	0.082404	0.276775	0.271054
0.02812	0.02411	0.055502	0	0.055198	1.072602
0.042726	0.14653	0.108098	0.060336	0.266685	0
2.497295	1.601623	1.267918	1.501593	0.912304	2.501155
7.055967	6.180149	9.109532	3.384209	5.096984	4.861836
13.445112	6.416065	10.320943	5.464513	7.966731	4.871594
1.024039	1.228305	0.739456	0.35125	0.519598	0.662346
8.000117	8.55857	8.934381	5.839728	6.857203	9.256243
30.47138	23.226959	24.266623	18.935707	17.177252	31.4074
13.921405	13.815341	13.874266	7.398652	11.929799	18.683788
11.727073	14.222277	11.590268	10.253426	12.384142	10.122537
0	0	0	0	0	0
5.660411	4.074333	3.755006	0.741975	1.955848	1.385489
45.032368	51.3055	52.519062	39.575417	45.992325	52.807922
0	0	0	0	0	0
34.39518	7.95225	16.060238	5.689505	11.804688	15.893297
33.603326	37.842671	48.737716	31.793442	39.704841	36.336502
0.29559	0.423198	0.16955	0.281673	0.736794	0
24.704395	11.830079	18.209387	12.084087	20.754551	7.941355
12.516389	19.433038	28.663285	25.379083	33.884019	17.329867

40.188648	32.876228	44.957691	28.054146	41.458218	25.052338
13.234052	12.089882	12.775351	7.626829	11.052998	13.77953
1.77928	1.057314	0.361487	0.125762	0.139344	1.587841
0	0	0	0	0	0
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0	0	0	0	0	0
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0	0	0	0	0.007142	0
0	0	0	0	0	0
0.025175	0	0	0	0	0
0.010766	0	0	0	0	0
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0	0	0	0	0	0
107.775459	117.141937	135.25795	103.35482	143.924805	103.495178
23.399041	19.22463	14.330462	13.860641	25.371614	14.995301
3.794676	3.632131	3.765042	2.505051	3.604127	3.201391
0	0.027764	0	0	0.03221	0
7.519846	7.532264	7.33328	5.219748	4.208067	5.175186
4.871523	3.211537	0.393474	0.479597	1.104953	0.549499
0	0	0	0	0	0
2.627835	3.502511	6.704147	4.498514	4.754599	3.674837
0.439323	0.337198	0.58572	0.248614	0.469279	0.207763
2.076926	1.46284	3.145399	1.433487	2.016669	1.84429
0.209056	0.604091	0.137788	0.054465	0.266595	0.111047
100.681648	86.719093	77.502609	77.564629	69.654297	116.547058
32.491283	31.019217	24.668457	20.317741	16.651005	40.609058
23.951225	23.442424	13.193808	12.377631	12.442898	18.08583
0.170141	0.200276	0.108389	0	0.104717	0.144424
47.160583	37.028732	38.757221	29.524569	29.453032	59.038078
0.246614	0.465428	0.050033	0	0.10491	0
0.273905	2.77993	0.039751	0.401275	0.336884	3.826762
325.31189	90.881744	129.952042	169.071518	186.341644	72.03241
1.421511	0.153729	0.447893	0.076551	0.151704	22.57736
22.494734	21.31575	24.550098	30.054554	24.557606	27.428926
3.244449	2.069618	2.164912	1.790837	2.696814	1.892785
0.698911	0	0	0	0.047379	0
0.77928	0.293343	1.473	0.363738	0.660195	0.364749
9.008447	8.112914	10.07794	6.463111	9.64358	8.097745
3.662908	1.466823	1.935907	1.251018	1.51702	1.620164
2.305337	3.035696	5.974314	4.001829	5.734906	2.443642
0.4585	0.508841	0.384612	0.197301	0.207867	0.15001
2.293818	1.617418	3.342869	0.806195	1.575732	0.924047
9.959257	7.615203	6.359325	4.789226	7.297925	8.858116

10.204244	8.097336	8.957599	5.144273	8.088936	8.83521
27.347466	27.588446	28.23144	19.259914	24.17075	31.690407
11.973012	6.758439	5.694144	2.329804	5.656229	6.733668
15.1542	10.791565	11.223463	5.905457	9.381789	10.541809
19.249073	18.56559	28.394791	14.413225	20.681013	15.322569
60.948814	55.181278	46.914696	22.112711	32.248047	54.611488
22.585722	18.805723	19.909376	12.085319	20.933861	17.30748
12.850903	11.776872	19.479542	10.681422	12.791759	8.938576
1.411824	1.539914	1.608089	0	1.525611	1.414879
14.631593	11.471709	6.314529	4.153289	5.787448	12.904246
35.487709	33.568558	29.094036	23.749378	26.590885	33.900341
3.039257	2.411883	3.475977	2.605405	3.197004	2.333265
0	0	0	0	0	0
126.736931	163.23497	56.778286	60.798134	72.754822	100.575661
0.793811	0.454141	0.307483	0.2127	0.311918	0.46739
1.115819	0.788467	0.411649	0.384956	0.815496	0.543904
0.520926	0.209691	0	0	0.132859	0.976636
6.991373	7.113647	9.894373	8.146896	7.556968	22.927643
0.661768	2.588945	0.137201	0.274179	0.551358	2.904543
0.448169	0.159434	0.248311	0.150548	0.041771	0.204044
3.419485	2.974279	3.164203	1.459731	2.679559	2.9599
12.553818	7.854808	10.739707	8.053816	7.714493	8.432703
40.581676	41.18782	38.393375	38.542	50.249458	44.504139
96.838173	94.812492	106.516769	85.565674	102.369987	105.199226
21.186819	18.904533	26.356831	13.195624	18.439697	17.789066
2.484239	3.920074	3.947987	6.122181	9.048174	3.222376
31.230585	34.844311	38.105419	33.65609	41.467827	35.223026
39.593761	40.713089	29.304953	20.750025	27.863791	45.712528
47.095516	44.440475	45.381084	22.306318	36.003101	62.901226
8.950682	8.316156	6.072978	5.672467	4.677389	12.771878
10.974276	7.302816	9.406606	6.030949	9.081802	9.277466
11.475437	9.677207	13.537436	8.169956	10.274748	12.78843
3.465079	6.18889	5.250217	8.053842	5.996782	4.566938
27.099344	7.701543	34.312909	21.278661	12.268123	17.792398
4.590173	4.59109	6.037634	4.190128	6.257017	2.834284
6.967132	7.157194	6.840458	3.618597	6.595966	6.059646
17.814936	14.211234	13.403551	6.532535	11.375032	15.638774
2.258677	2.164997	3.117083	1.242428	3.950579	1.202228
0.112992	0.203988	0.161584	0.056565	0.147369	0.871603
6.243997	7.322757	9.624576	4.811219	6.460346	5.540303
0.199841	0.437469	0.483207	0.226976	0.36898	0.168606
0.0757	0.042386	0.026671	0.057126	0	0
4.188104	3.606113	4.992674	3.411829	3.702894	3.069389
12.590892	10.040224	18.99843	7.999095	14.035635	12.601315
5.322374	5.76067	7.557842	4.203691	5.40467	5.075988
5.171017	4.744142	3.35257	1.991086	3.546021	3.080811
3.414841	2.671106	8.156672	1.945351	4.9038	1.956201
6.846959	9.088538	10.454364	6.821856	7.804364	3.460126
1.50409	0.235114	0.199875	0	0	0.627828

3.885919	3.931126	6.656711	4.699122	6.418745	1.917687
0.06967	0.140088	0.046746	0.086134	0.119428	0.155949
52.18041	50.172531	52.495825	36.742151	44.600297	46.351071
5.831439	8.884307	3.559432	1.681627	2.013822	4.845907
5.357011	6.557178	5.935943	3.797489	4.222869	3.877222
5.96809	5.089192	5.628108	4.313769	6.485998	3.718199
59.901591	51.266946	67.117967	49.944741	72.581697	49.751024
13.133448	12.028565	16.784889	13.611761	16.010881	12.833247
11.864644	12.310624	17.350193	8.700036	10.514723	14.131303
0.11515	0.218425	0.183063	0	0.362748	0
0.190461	1.467471	0.366002	0.464693	0.490823	4.310747
75.662157	76.649999	64.686041	43.004764	69.785881	66.856506
0	0	0	0	0	0
0.96537	0.396312	0.996644	0.437048	0.581798	0.573242
41.549883	31.952425	30.37916	36.979849	30.749233	37.715526
0.021108	0	0.022869	0	0	0
5.870872	5.722752	6.849102	3.300123	4.869897	4.374645
11.177059	5.948533	11.111091	7.206416	6.371685	7.473711
1.992584	1.711643	0.596054	0.384096	1.34992	30.998114
24.067296	22.608294	26.176337	13.863403	19.571307	19.020877
0	0.664524	0.451146	0.237221	0.803876	0
11.133994	9.80675	17.100883	10.003308	12.840178	5.174975
20.042324	19.423691	20.443521	13.205292	15.846294	22.908575
93.586327	131.693832	128.784607	108.136368	124.91037	122.026436
0.110044	0.194914	0.139939	0.033076	0.048505	0.022329
30.154011	26.49065	29.055503	22.652526	22.183131	24.059515
12.920431	14.056547	18.597238	11.11932	15.951865	11.180517
3.541858	2.807162	3.240221	3.383014	3.253535	2.988548
2.079365	1.467959	1.445035	0.279452	0.760649	0.84994
0.08591	0	0	0	0	0.102379
21.820125	21.368146	43.099762	26.805478	34.331479	15.127294
10.288902	9.240852	8.301267	6.43623	8.672735	7.440656
11.691291	13.062349	11.179995	6.972178	9.594663	13.562909
66.805832	65.765388	59.711723	51.591278	70.280884	68.274551
13.426422	10.838406	7.021792	3.715948	6.382001	10.534032
22.935751	17.802706	18.87587	14.790755	18.50458	19.773647
4.77089	2.909233	5.800966	2.006607	3.924272	2.903546
23.308472	18.926811	17.845005	13.461753	15.291085	21.351717
10.560195	6.989851	9.096684	6.503503	7.657871	9.127775
10.597631	13.417258	11.164847	8.960026	12.236648	8.992459
0.932638	0.31866	0.15077	0.0851	0.15105	0.14433
1.746334	9.095304	0.359459	1.446632	0.758309	1.156611
50.193535	81.294655	55.775383	50.704315	58.230259	140.778091
4.515141	2.684613	3.999148	2.395132	3.47974	2.352154
0	0	0	0	0.115929	0
0.538498	0.168505	0.142611	0	0	0.267283
31.769324	31.37761	25.290549	16.71639	20.384037	26.186056
1.431513	1.25236	1.119448	0.259284	0.762733	0.994992
0.090525	0.123836	0.026346	0.162319	0.053214	0.110645

21.391901	20.862777	20.470316	18.947553	16.494628	21.189141
12.91077	13.871173	14.097494	10.922112	14.773481	16.27277
6.80688	7.362478	12.840828	9.593033	10.948979	9.697063
14.703812	14.144746	13.64126	8.834846	10.42937	14.290251
1.014465	1.797673	2.264347	2.285363	2.402268	1.165336
50.332016	30.520891	21.955372	17.048134	30.690216	32.059689
122.671448	104.27475	88.503563	64.010368	91.319946	108.679497
0.172958	0.510691	0.078264	0.036093	0.070571	0.721281
1.826253	4.401088	24.081024	2.540717	15.595544	12.596032
10.146789	9.384487	12.278952	8.454628	11.624845	7.241822
1.441465	1.190987	1.147477	0.770583	1.446358	0.213947
24.122603	21.773715	23.830757	13.591552	19.002058	20.037715
34.280328	30.983404	34.312289	23.657636	28.998185	30.877229
9.125093	8.513066	13.779832	7.526797	11.69212	8.207362
23.156513	24.047365	26.749488	22.645421	20.936607	31.694958
4.53732	4.910836	7.587454	4.874552	4.50018	7.08123
31.587259	27.143064	31.088406	11.793676	20.147505	21.636475
0.398131	0.698602	0.19364	0.194442	0.722688	1.23083
0	0.053178	0	0	0.060874	2.812303
0.087622	0	0.11083	0	0	0
1.900351	2.344531	2.842731	1.267709	3.051776	2.730519
3.238746	13.10288	0.965394	0.796309	1.096146	1.35451
1.086203	0.739051	0.4892	0.267616	0.372353	0.843155
13.738172	13.446002	16.740359	11.020869	16.224051	15.569894
10.422734	10.429692	17.512562	7.229293	13.091281	10.290141
7.38222	7.954729	9.842596	6.73849	9.122559	9.365531
2.370962	2.340976	3.589251	1.874518	2.131264	3.196538
7.403192	18.88426	1.05985	3.665048	1.777055	4.363306
90.197151	47.522472	69.403885	33.177448	39.683464	53.231026
28.126724	25.039997	28.714831	23.407178	31.016698	26.609071
2.256497	2.331711	2.206921	0.314438	2.180475	0.671047
0.14731	0	0	0	0	0
10.396082	10.856854	14.680983	9.573473	16.458445	9.756933
0.049093	0	0.073199	0	0	0
0.060613	0	0	0	0	0.103387
22.30838	20.202866	28.454145	25.520229	24.121889	18.761879
15.886054	12.863117	24.493765	16.664118	20.019777	12.656159
14.266377	17.343027	15.278396	6.266872	10.865076	16.943605
27.935565	24.917925	48.039467	37.068259	44.393827	32.777979
62.428307	60.700058	65.130585	35.146072	51.476654	50.278313
104.650681	0.176451	0	0	0	0.37443
3.378905	1.99554	1.655445	1.109037	1.14457	2.237592
4.908327	4.821116	4.052565	2.660473	4.581946	5.15174
13.49464	10.954128	14.316442	5.937547	10.612537	9.654748
60.407688	52.178394	45.129749	33.663219	45.23872	47.398052
62.321882	57.606304	45.430758	31.159878	35.757379	44.263616
0	0	0	0	0	0
0	0	0	0	0	0
2.840741	2.387395	3.529539	2.285371	3.348516	1.462228

1.321292	0.963348	2.391423	1.015298	1.705029	1.189135
17.586105	15.259499	30.114578	14.831471	23.15204	13.191871
8.379115	9.382418	15.5994	10.921015	11.817986	13.060033
1.481197	27.921352	0.773641	1.784609	4.798776	0
2.337858	13.694694	0.308881	1.282952	0.819743	19.472458
2.387188	2.653937	2.433896	0.810509	1.335354	3.507991
1.386346	1.381411	1.263497	0.566774	0.882671	0.900433
35.406623	6.314386	11.20621	6.370358	19.15125	8.860581
16.723805	17.887202	14.98832	15.092179	13.418625	6.631176
0.270339	0.091792	0.05623	0.044001	0.047146	0.091784
3.998223	2.776603	3.302319	2.555476	2.376271	2.813075
4.361639	4.088752	7.924958	7.594273	7.259072	6.001295
0	0	0	0	0	0
17.235001	19.171535	15.065434	10.004575	14.336044	15.183777
3.971019	1.961027	2.758811	1.210766	2.151618	2.054729
9.352575	7.460933	10.504189	8.373489	9.38929	5.337941
37.732631	45.699226	68.296741	40.60153	53.959036	42.445438
2.640167	3.515923	3.929037	3.809772	3.7042	2.420286
0.080788	0.106747	0.023088	0	0.003598	0.048324
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0.12908	0	0	0	0	0
28.582851	14.78372	11.870362	10.211323	16.969082	28.65686
11.774339	9.805112	11.555801	7.198222	10.657117	13.078712
2.068688	2.222223	2.906691	1.117693	1.814439	1.232693
4.186067	4.958285	7.490103	4.174646	5.035738	4.672715
0	0	0	0.051202	0.039258	0
7.368989	11.643947	10.435095	7.558758	8.30719	8.70658
33.9142	40.112816	27.155817	23.363989	29.966612	31.165356
56.757721	49.834156	44.784538	36.990929	28.214567	85.906387
0	0	0	0	0	0
0.849139	0.797299	2.143818	1.040269	1.645478	1.517804
110.355077	112.074714	77.342065	73.591078	89.185299	107.148069
0.415751	0	0.075589	0.104577	0.232196	0.424851
0.070606	0	0	0	0	0
170.061783	140.160858	153.309479	146.879272	166.741943	139.835434
6.836183	6.180374	5.895338	2.315758	3.052742	7.832533
29.258694	27.372515	21.083937	18.455921	16.599588	32.949856
36.356415	36.092701	24.749208	17.128944	17.154457	42.039158
5.632225	5.758134	9.339018	5.660445	8.117175	5.741533
23.627045	23.226707	17.002865	10.987452	12.729241	29.625742
17.354543	16.040127	14.018924	8.693114	7.957256	19.619038
41.010185	42.50703	34.099644	22.72471	23.486889	47.243969
30.855047	33.751488	41.174122	25.832607	26.131498	41.961197
1.992044	1.343094	2.544238	1.847788	1.819832	1.850497
0.704457	1.016324	1.530873	1.143847	0.87877	1.393252
17.849455	16.078266	16.293488	12.332885	14.322382	15.879977
0	0	0	0	0	0

23.94062	19.297312	26.590384	18.385523	25.024776	18.410769
1.551972	0.232932	0.139603	0	0.496774	1.143471
0	0	0	0	0	0
3.899712	3.64274	4.484189	3.596431	3.476935	4.434163
0	0	0	0	0	0
0.443631	0.37952	0	0.47118	1.229793	16.430201
11.252501	1.333364	0	0.235755	0.691456	7.845199
15.610213	1.511401	2.709456	0	0.226062	0.396826
1.331826	0.31107	0	0	0.356087	0.309419
0	0	0	0	0	0
27.422807	28.502656	31.931093	21.677231	22.621451	32.516349
0.952056	0.283434	1.027466	0.458061	0.413731	0.546517
0.590144	0.477766	0.280365	0.039544	0.218384	0.295021
24.387608	17.227703	16.059532	18.103239	15.748959	16.067497
16.31735	13.791295	15.262041	9.268071	12.27762	17.547016
11.206535	10.886054	12.425708	7.990884	7.703451	15.654376
6.41189	4.237998	4.722858	3.348405	4.821734	7.705301
5.902332	6.15918	9.457237	5.549006	6.900041	5.794436
5.291866	4.223898	2.832222	1.731258	5.93258	2.859178
13.836628	12.060965	10.751254	9.195828	12.650857	10.810349
2.142567	1.205017	0.742201	0.320043	1.227255	0.975394
0	0	0	0	0.015172	0
65.90329	66.941299	42.623005	41.185543	38.618439	125.982071
0	0	0	0	0	0
203.752228	192.242233	170.373581	135.257385	133.122238	338.276123
34.974204	13.172907	5.604254	4.374843	14.362844	6.742426
3.292949	3.299742	3.684028	2.439617	3.190455	2.238791
24.736185	20.73079	17.855586	19.686432	18.630007	20.124958
1.097246	0.901725	13.471105	13.790602	2.512615	5.387955
3.081792	2.514738	3.725009	2.168437	2.232839	3.223579
28.363308	26.715721	18.36707	20.048081	19.285713	23.769954
9.539826	12.462221	6.720565	5.541911	8.231767	5.417932
17.377449	14.997869	13.711042	9.71653	10.799376	26.344332
0.919527	0.163761	0.087928	0.06938	0.034142	0.091138
71.955171	86.331563	69.733093	62.380208	75.539087	88.581501
22.193588	21.614912	17.8512	17.424668	16.272654	18.243957
3.133477	2.364514	3.028464	2.232222	2.281373	4.082304
4.297556	4.711412	8.088377	4.652862	5.405943	3.625086
18.207186	19.312593	19.587864	12.794158	13.098116	20.767248
10.180551	10.915606	17.28178	10.566453	9.182866	10.44156
94.672409	89.532417	70.700111	79.144112	71.989037	115.808807
35.108261	35.49197	30.549189	23.898367	30.757607	41.95903
4.371956	4.630916	10.615815	6.042898	8.671586	4.592308
0.154333	0.133161	0.255541	0.05899	0.155924	0.13667
3.268658	2.616793	3.893214	2.8564	4.217282	3.037839
6.075464	7.232306	14.692362	7.156272	12.092367	6.043684
5.917697	4.806323	5.903738	3.692524	5.340182	6.200708
25.554672	23.332688	31.938796	21.264965	25.466184	22.358612
6.775314	6.119192	7.936775	3.990297	6.874779	4.103148

10.655584	8.887528	8.271712	6.82821	7.648256	10.59512
7.595926	5.398124	6.467726	4.086039	6.892414	7.646753
16.032875	15.672071	10.405137	10.140465	11.729887	16.212763
13.267511	10.420271	14.575288	10.154944	9.933202	14.560754
71.263779	67.625664	44.803619	59.407883	60.338287	49.901306
24.649372	13.307519	20.175483	11.585341	13.884226	17.973074
5.267034	4.969209	7.760793	5.557287	6.484022	4.836365
13.405785	14.491153	18.791452	12.590582	15.163048	14.016332
17.264467	17.014229	21.981295	11.506124	15.588001	17.022392
6.778683	6.215993	7.401162	4.619376	5.865909	7.537449
14.311375	12.758885	11.04444	7.869621	9.862638	13.642882
18.856884	19.3715	13.821704	15.055197	15.324861	18.473997
10.340761	9.736005	7.005495	5.611781	8.647935	8.812612
37.559349	30.447247	26.78417	20.07379	21.397423	35.378189
24.636068	27.265196	26.54525	28.375437	27.1744	30.832293
33.117844	28.407278	24.989981	18.09734	27.725317	33.2346
37.950909	37.972141	32.01836	31.366566	34.21907	45.155586
10.791356	7.515413	8.978902	8.024647	8.625344	9.37453
31.021404	26.120667	16.863938	14.896141	17.619635	27.905236
6.300011	5.533657	6.562196	4.341149	4.574068	5.511852
0.587677	0	0.729837	0	0	0
28.829252	30.619745	26.860289	16.385468	30.098661	17.309895
13.65976	6.313215	11.470715	10.708958	15.607386	6.660551
0	0	0	0	0	0
12.086009	2.232582	1.933952	1.332438	1.936344	1.586712
22.771114	24.842245	43.319965	26.423401	37.495346	24.951197
0.989654	0.14014	0.34563	0.069312	0.396866	0.26879
152.334948	17.387882	28.401157	13.679035	22.229284	17.378573
3.875055	7.590283	12.221847	8.588041	17.813858	10.388014
0.088411	0.075226	0.102912	0.019651	0.096758	0.043086
0.055272	0.145607	0	0.032997	0.202811	0.074936
6.382983	6.102049	10.491206	5.839306	8.815853	5.805525
1.132602	1.041176	1.279861	0.262903	0.573642	0.92833
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0	0	0	0	0.087027	0
4.840373	3.286585	3.973043	3.039578	3.674349	3.212945
2.207412	1.573422	3.095946	1.866097	1.984492	1.477637
7.562685	6.885357	5.251888	3.292159	6.808316	5.51171
8.136124	7.131198	5.186913	2.609525	4.032896	10.333999
51.446995	46.676689	49.30793	35.458492	37.863529	54.89798
14.262234	15.891773	19.902067	11.956673	16.113552	15.177603
2.712175	4.162806	2.075966	2.730615	4.312945	2.383431
0.837996	0	0.774861	0	0	0
0	0	0	0	0	4.180884
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16.026352	12.628762	14.834774	6.989502	12.455068	15.656961

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11.600092	8.448194	13.174889	7.269346	10.50882	12.182025
9.273061	6.721228	4.925557	3.424088	4.43478	9.615575
19.086353	19.146437	15.417069	12.415765	14.597883	22.486238
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0	0	0.05318	0	0.071929	0
8.051223	3.748504	1.654374	1.964992	2.539598	5.678125
12.113212	10.703039	14.229033	10.70638	10.995664	12.391346
27.370325	22.954208	22.641819	16.483395	20.513876	24.012171
16.354473	18.17355	37.728981	25.512941	27.755198	12.424106
31.24959	22.50293	20.190266	18.659023	20.68932	22.366953
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26.236702	36.320114	24.515766	17.320679	18.672527	25.946821
30.886843	22.203676	19.46628	14.16795	21.222204	27.373014
23.871508	22.783045	16.492552	16.424305	15.448242	19.297417
13.955416	12.195924	9.869825	12.067274	10.026599	14.332309
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9.959061	8.062951	8.837684	4.366495	6.462155	9.402215
11.644068	9.284739	11.925346	8.465275	8.47043	9.921958
1.083658	1.59632	2.014467	1.399416	1.869414	2.286424
19.409744	16.119846	10.47576	8.183299	9.26713	13.28113
18.953339	16.708712	19.930946	13.461466	13.888625	13.570791
2.926356	2.59366	2.513365	2.327211	2.13943	3.106776
18.506214	18.334711	20.403931	15.587342	17.63698	19.219929
15.129123	13.362402	17.299844	8.757151	13.671675	6.765968
8.624596	7.606831	11.247221	5.90833	8.274127	7.197445
1.599942	0.804878	0	0	1.153381	0
0.13998	0	0	0	0	0
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11.961653	8.425848	8.438742	5.47975	7.024138	8.910849
15.177375	15.616375	13.91062	14.509663	15.13499	11.653803
1.437739	1.488366	0.468942	0.249529	0.828133	0.743454
3.274455	2.480204	2.813914	2.147099	1.883484	2.003132
9.376184	8.74817	11.387438	6.457769	6.663295	9.292206
1.253379	1.898837	2.020828	1.272903	1.591936	1.44561
8.953179	8.28656	8.57624	9.692379	8.032149	10.809034
18.18466	15.180394	13.601571	12.516069	14.174977	15.713669
6.866761	9.030025	4.958172	2.382612	3.626878	3.965149
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4.87398	53.941963	2.807935	4.66004	6.161773	5.364505
7.296003	5.661793	10.739467	3.922605	5.009315	6.557252
26.947893	24.654459	28.266413	25.469687	26.182281	26.855173
14.692405	13.76814	26.3475	16.601154	19.854506	14.264957
2.70481	1.728182	3.44513	1.71644	3.263837	1.788739
12.669749	8.939905	10.110993	7.444083	10.006076	10.235133
11.052461	10.856479	18.822609	12.348253	15.802083	12.644933
13.386451	10.1654	12.505107	9.529643	11.905217	12.087645
13.552061	11.478665	15.572182	11.890235	14.538698	14.087729

27.860514	10.660407	4.857709	1.814389	6.071178	8.066259
11.013854	7.653711	7.424864	6.658296	9.211017	9.171431
0.512825	0.251425	0.320374	0.27869	0.218735	0.476972
47.100346	17.610659	10.632399	6.776935	20.996569	6.810288
92.703789	13.70003	40.05439	21.05471	50.975128	39.955917
41.5993	36.372734	47.068596	47.769379	42.890862	45.995598
113.102581	158.122124	155.974705	123.382988	144.358359	131.682014
9.222433	9.013593	9.56774	6.314463	8.665808	7.180091
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10.553779	11.22582	12.33361	11.581053	10.44382	9.483726
17.071108	10.745207	11.89147	7.618669	9.577376	13.187222
6.267204	5.482654	3.776709	2.423156	3.344676	4.160738
0.001226	0.036387	0	0	0.003964	0
65.482933	44.671078	44.700466	32.789238	42.360027	53.320011
34.323643	34.656124	45.269409	27.486341	36.758194	31.679852
20.188723	13.147195	14.751586	8.622794	12.796821	14.981607
7.405574	5.171434	7.537312	3.32593	5.150981	4.386738
5.487441	2.265587	1.367858	0.452561	0.723103	5.650405
0.22377	0.556111	0.658693	0.390036	0.333891	0.49072
4.731746	4.235823	5.37531	1.923659	2.622624	3.71227
1.368557	2.264013	4.306552	2.244424	3.244466	1.618292
47.623459	42.876049	32.168362	21.564865	28.646189	36.501099
1.868665	0.777094	1.026283	0.297822	0.576801	1.71144
0.810761	0.437414	0.694344	0.332882	0.179137	2.769487
6.591033	6.11053	8.058939	2.818182	3.253305	2.689978
4.98682	2.71031	3.247301	1.913844	2.106162	5.769015
1.186624	0.564216	1.446774	0.409702	0.258875	2.656008
2.523496	2.008692	3.85222	2.420237	2.526941	2.250437
1.466803	1.496633	2.860398	1.715273	2.206769	3.001396
3.582147	2.36476	3.263442	3.141668	3.652323	1.600076
0.398633	0.905432	0.178522	0.245023	0.296577	11.296041
2.207039	3.287803	7.443591	11.762248	11.920642	1.484994
43.88479	43.610236	41.314037	25.562366	35.309592	45.214211
34.604927	27.851063	28.881357	19.602732	23.551579	36.483692
2.274778	2.620182	2.795771	1.445324	2.887851	4.909063
6.684517	6.397473	1.237143	5.899125	6.78149	9.955148
60.624302	76.892426	71.13752	53.707684	66.459511	67.566673
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0	0	0	0	0	0
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2.746957	1.712576	3.061257	1.368261	2.148718	2.020547
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23.091555	22.415453	31.035088	25.612886	26.765848	21.478956
9.743839	18.3619	6.416461	5.982725	5.891341	1.604161
17.648648	21.899779	9.701129	6.46521	8.200125	13.503701
4.641677	5.730106	4.150682	2.487239	3.968085	5.534036
10.775494	8.084492	4.183347	3.654045	6.427105	7.754524
314.618073	383.141724	419.175354	301.696594	400.631653	315.51178
21.640231	20.320095	19.747724	13.343316	19.155188	18.973814

120.012779	310.856812	61.00848	59.087181	85.285408	106.851891
43.304802	57.657307	81.547966	89.242279	78.315575	119.055954
106.255112	145.13559	169.146057	100.685593	89.605011	237.735275
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0.32682	2.27372	0.371764	0.468711	0.637861	2.914872
18.195332	19.916588	16.939278	11.995033	15.070492	17.391867
0.589675	0.014383	0.218688	0.034843	0.127286	0.093614
5.749123	4.411921	7.727391	4.741948	5.371173	4.911346
5.13795	7.672637	9.405675	7.032837	11.023633	5.773195
10.215003	7.026503	5.549149	2.815237	5.082592	11.906444
19.898062	19.575364	22.342268	16.810226	25.448965	18.440809
3.9797	3.864036	6.274233	4.272314	6.418697	4.161538
0.144685	0.097876	0.515767	0.345505	0.307904	1.086067
7.336218	6.516634	13.666519	4.474319	6.662148	5.767059
4.883604	8.093929	10.659307	7.030073	10.204296	7.508808
20.599525	21.855385	21.82261	16.596602	18.02469	24.92663
21.174105	20.639694	24.477589	18.3346	20.324667	22.233065
3.244753	3.143068	4.244907	3.278266	2.722867	2.10693
9.76449	17.361944	19.114268	7.939077	12.366421	10.952594
18.111577	13.50847	8.380472	5.29746	8.626557	15.575557
0.647711	0.47221	0.31636	0.103186	0.340132	0.122722
40.383619	37.358334	46.034576	20.37196	36.237548	39.993041
7.40227	6.925083	9.633693	5.008619	7.743904	7.424438
7.274583	6.299525	8.351952	3.463123	4.989131	6.609338
81.941032	93.961128	55.631229	69.476822	73.724648	91.133194
9.457774	4.82298	10.072755	7.372243	9.811311	2.406233
17.545486	16.647406	20.499275	13.416553	17.195168	13.243319
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422.44162	654.863403	540.394958	632.63916	728.981323	457.429016
25.248472	23.246192	21.498695	17.743693	24.724123	25.97397
16.626909	17.946655	28.202881	15.6734	20.29475	14.431203
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0.809829	0.397998	1.015738	0	0.995262	0.370419
8.494484	5.611092	10.775034	7.644102	5.812368	13.23862
7.893769	7.718351	6.565658	5.204089	3.497875	12.916114
19.944801	19.932288	30.816811	17.043943	23.777565	17.838947
28.82104	30.982024	64.421913	51.146861	61.037878	38.169132
21.782225	21.137674	17.599415	10.864416	15.78846	21.164688
3.465679	2.684716	4.528937	2.447399	3.462884	4.003271
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6.034618	2.408967	2.704176	2.36772	3.611455	3.962812
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0.416487	0	0.685028	1.867582	0	0
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0	0	0	2.06566	2.109909	1.299085
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0.464737	0.468672	0.360017	0.437763	0.451126	0.273955
0.382333	0.446916	0.318968	0.246274	0.493912	0.337714
2.815141	2.939322	0.871582	0.36426	0	0
0	0	0	0	0	0
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2.100163	3.643198	2.303654	0.968382	1.258319	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0.331557	0
0	0	0	0	0	0
0.244213	0.525699	0.062509	0.11234	0.09325	0.162984
0.377933	0.358431	0.462249	0.403333	1.02161	0.337561
0	1.455447	0	0	0	0
0	0	0	0	0	0
0.978413	0.148228	0.291586	0.607622	0.265648	0.040104
7.366168	0.429031	2.290847	0.819898	0.883425	0.05013
1.013451	0.666175	0.6782	0.113046	0.099467	0
0	0	0	0	0	0
0	0	0	0	0	0
1.068232	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0.50499
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0	0	0	0	0	0
0	0	0.50608	0.656396	0.342252	0
2.304393	0	0.945511	0.423923	0	0
0	0.027747	0.011124	0	0.021733	0.024404
0	0	0.482094	0	0	0
0	0.355469	0	0	0	0
0.390728	0	0.248086	0	0	0
0	0	0	0	0	0.847582
1.195872	0.625625	0.698628	2.950502	3.143161	1.81851
0	0	0	1.603199	0	0
0	0	0	0	0	0
0	1.141273	0.856134	0	0	10.062124
0	0	0	0	0	0
0.573882	0	0.301247	0	0	0
0.305644	0	0	0	0	0
0	0.642766	0.584289	0.222995	3.774301	1.326066

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4.907997	2.68125	6.797174	5.276021	5.058613	0.800105
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4.100578	0	0	1.768736	0	0
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0.366308	0	0.549333	0.232902	0.647135	0
0.142634	0.189072	0.587637	0.193121	1.02903	0.178101
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2.424334	0	0.872384	0.748099	0	0
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1.483099	1.00668	1.067224	1.302787	1.176623	1.163657
22.597214	13.074954	24.317802	14.078817	17.191681	4.059925
0	1.48112	0	0	0	0
0.810761	0.583421	2.973107	2.034829	0	0
0.013819	0.169045	0.144851	0.262062	0.338447	0.501615
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0.822905	0.016498	0.302537	0.264503	0.410826	0
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0	1.090104	2.232934	0.601199	1.220733	0.16972
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0	1.097588	0	0	0	0
0.519009	0.43821	0.413011	0.455855	0.527546	0.12629
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0.331208	0.264455	0.31909	0.250668	0.407238	0
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8.164873	6.279503	8.893464	2.992301	0.418809	13.723529
0	1.115881	3.104152	0.128516	0.146583	0.989863
0	0	0.456133	0	0.604357	0
0.201374	0.157986	0.188529	0.057037	0.162764	0.196748
0	0	0	0	1.431356	0
24.538956	8.094599	16.400749	8.697337	11.602056	17.373325
0.108102	0.278056	0.31377	1.125939	2.042391	1.687135
0	0	0.039751	0	0.076169	0
0.602922	0.52391	0.534725	0.70535	0.562115	0
1.941658	0.803958	3.910666	0.142628	1.078335	0.730222
1.327138	4.137733	10.750811	8.866041	5.873295	4.724898
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1.083344	2.706648	3.186722	3.391382	0.68598	0
0.452582	0	0.167899	0.062718	0.506419	0
3.22574	3.581661	3.291352	1.612974	1.164493	1.425059
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0.58555	0.06794	0.121053	0	0	0.002845
0.477934	0.215821	0.300844	0.189802	0.622926	0
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0.656603	1.118289	1.814234	1.778016	1.117875	1.968813
0	0.257812	0.37174	0.458395	0	0.36472
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1.367548	0.858455	3.233977	2.439343	1.977359	0
4.532687	3.007813	0	0	0.142096	3.069727
0.165325	0.070131	2.068573	0.051972	0.587764	0.037779
0.401886	0.344736	0.357422	0.229723	0.352054	0.293114
77.193336	37.282543	52.843754	26.463512	59.129238	50.883801
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0.179599	0.494956	0	0.991658	0	0.735211
0.436563	0.204977	0.381841	0.505912	0.617206	0.255304
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0.836341	2.730695	0.296951	0.211539	0.117769	0.706537
0.411714	0.977539	1.051389	0.365633	0.373002	0.356528
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0.776075	0.545319	3.435454	1.625903	0.85752	0.635165
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29.60343	30.852512	29.686832	40.15789	23.309332	38.338844
8.466537	6.571236	2.045324	1.875858	1.88573	5.272295
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0.174187	0.067885	0.126396	0	0.077709	0
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0.564091	0.483646	0.645207	0.566297	0	0
1.574746	1.390278	2.398527	0.704364	1.101789	2.276462
2.717891	0.849176	3.718771	1.849845	2.181495	3.087946
0.419023	0.233941	0	0.156525	0	0.159565
0.037815	0.003537	0.038488	0.059691	0.134281	0
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1.186199	0.868924	0	0.786184	0	0
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0.083424	0	0	0.258784	0.145561	0.0783
0.080009	0.080032	0	0.319663	0	0
0	0.595833	0	0.508707	0	0

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0.200579	2.498156	0.383019	0	0	0
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0.306146	0	0	0	0	1.620582
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0.050593	0.043768	1.796821	0.101741	2.617975	0.028975
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0.188397	0	0	0	0	0
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0.033781	0.441889	0.037713	0.016771	0	0
0	0	0.508423	0	0	0.435357
2.95277	0.622192	0.263291	0	0	0.153655
0	0	0.501407	0.47171	0.678185	0
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1.895852	0.117127	0.422641	0.093556	0.317266	0.083451
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0.606901	0.254533	0.242656	0	0.359187	0.287522
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0.042978	0.091187	0.002739	1.517862	0.448725	0.516646
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0	0.046549	2.580457	0	0	0.345724
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4.734065	0.714184	2.357301	0	3.613181	0.615673
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0.498724	0.456844	0.388404	0.51436	0.509392	0.380297
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1.491721	0.221701	0.236054	0	0.503476	0
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0.79902	0	1.644899	1.303995	0.954945	0.185511
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0.110846	0	0.59751	0	0	0
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1.201807	3.325095	1.062327	2.073626	3.731259	0.195676
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2.53651	0	1.545542	0.618176	0	0
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0.522174	0.324034	0.32319	0.192316	0.601453	0.265336
0.681927	0.668718	0.566344	0.651183	0.818079	0.493724
0.479021	0.356879	0.339813	0.637903	0.435059	0
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2.13358	0.685993	3.47056	1.14236	0.506061	0
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7.280751	8.447741	12.346096	14.818081	10.860749	5.557231
0.38716	0.363191	0.292644	0.365812	0.40979	0.00518
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0.015355	0.103633	0.020387	0.053202	0.018285	0.005781
0.113409	0.126198	0.073539	0	0.224985	0
0.259356	0.1715	0.21548	0.008459	0	0.028501
0.2852	0.588801	1.802241	0.030345	2.364484	0.005729
0	2.302084	3.724741	2.78798	0.439205	1.541009
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0.651504	0.186198	0.144453	0.245269	2.433392	0
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4.41575	5.821789	2.689454	1.656932	0	2.834939
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0.786402	0.687864	0.592936	0.757561	0.781004	0.52289
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6.128964	3.591551	5.631043	1.327484	2.709294	0.619011
0	3.734701	1.159665	2.015263	1.434622	0.997282
0.403503	0	0	0	0	0
0	0	0	0	0	0
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0	0	0.484878	0.156525	0.808854	1.709626
0	0	0	0	0	0
0	0.635342	0.150242	0	0	0
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0	0	0.33268	0	0	0
0	0.085003	0	0	0	0
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1.060588	1.192244	0.815208	0	0.462637	0
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0	0.543077	0	0	0	0
0	0	0	0	0	0.520298
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0.658743	0.556111	0	0	0	0
0	0	0	0	0	0
0	0	0.240906	0	0	0
1.102679	0.7489	1.110649	3.186719	0.910653	5.096032
0	0	0	0	0	0
0.44711	0	0	0	0	0
0	0	0	0	0	0
10.954482	5.908681	11.057703	15.954909	9.386078	15.557592
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0.305727	0.201432	0.310872	0	0.153721	0
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0.719223	1.737847	0	0	0	0
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0.733134	0.554632	0.250348	0	0	0
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0	0.305733	0.871582	0.829005	0	0
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0.291178	0.291673	0.30575	0.387404	0.365159	0.299453
0	0	0	0	0	0
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0	0	0	0	0	0
0.222959	0	0	0	0.736057	0
0.503835	0.405736	0.377586	0.493094	0.497429	0.336034
0	0	0	0	0	0
0	3.345356	2.475838	0.339138	0.38129	0
1.883979	0.712963	1.352105	0	3.162544	0
0.513557	0.485123	0.778906	0.442315	1.023617	0.346105
0	0	0	0	0	0
0	0	0	0	0	0
0.491744	0.192674	0.528527	0.258777	0.860175	0.230404
0	0	0	0	0	0
0	0	0	0	0	0
250.28273	342.947205	334.91217	383.5383	390.095886	302.560822
0	0	0	0	0	0
0	0	0	0	0	0
25.538923	26.445249	10.856889	14.124772	16.70273	14.908
1.009653	1.217728	0.411309	0.314688	1.272254	0
1.603352	1.443647	1.043083	1.448793	1.621256	1.004885
0	0	0	0	0	0
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0	0	0.025185	0	0	0.047359
0	0	0	0	0.016043	0
1.421463	0.045139	0.019101	0.026426	0	0.206536
0.071258	0	0.465368	0	0.031083	0.000936
0	0	0	0	0	0
0	0.028964	0.012257	1.017415	0	0.011524
0.049038	0.070074	0.714206	0.04923	0.412304	0
0	0	0.057453	0	0.015542	0
0.055279	0.051839	0.050141	0.027748	0.052747	0
0.248321	0.087077	1.008612	0.231732	3.269384	2.54716
0.535681	0.099306	0.819443	0.029069	1.05151	1.985445
0	0	0	0	0	0

0	0.048953	3.397329	0.128968	1.849248	0
1.06171	1.18615	0.805435	0	0	0
0.621147	0.700745	0.889593	0	0.352948	0.267658
0	0	0	0	0	0
2.026901	0	2.919305	0.015416	0.256203	0
0	1.108192	0.820661	2.565654	0.605452	1.743653
2.128247	1.415104	0	0.799397	1.193605	0
1.044161	0.987414	0.857964	0.184984	1.250875	0
0.068543	0.025187	0.060395	0.070776	0.075682	0.064421
2.922851	0	1.566716	0	2.652457	0
0.032173	0	0	1.72799	0	0.812178
0	0	0	0	0	0
1.782276	0	1.280606	0	0	0
0.572109	1.42952	2.46714	0	0.080215	0
0.576325	1.064004	0.28085	0.243219	0.5769	1.363927
10.479796	8.285843	3.794989	4.660711	6.195139	6.927429
10.416018	8.23882	3.762702	4.613803	6.142383	6.88111
0	0	1.419006	0	0.028019	0
1.608853	0.723877	1.774146	1.602428	0.211368	3.612819
0	0	0.022285	0	2.757952	0
0	0	0	0	0	0
1.142143	0	0	0.839771	0.757845	0.691449
0.047605	2.433665	0.084571	0.060561	0.995391	0.03877
0	0	0.02163	0	0	0
0	0	0	0	0	0
2.128247	0	0	0	0	0
2.07228	0.817047	4.017246	4.115214	4.394369	0
0	0	0	0	0	0
0	0.357792	0	0	0.628983	0.254209
0	0	0	0	0	0.018688
0	0	0	0	0	0
0.325306	0	0.036316	0	0.04912	0
0.016346	0	0	0	0	0
21.278509	6.194477	23.489628	18.790375	17.946043	13.448133
3.547078	0	0.708161	0	1.270969	0
0	0	0.429924	0	0	0.234029
0	0	2.171173	0	0	0
0.526994	0.173785	0.715787	0.027131	1.445588	1.198511
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0	0.137698	3.001868	0	0	0
0	0	0.033427	0	0.030142	0
0.021113	0.009052	1.493776	0	0.031083	0.036013
2.772086	0.894481	1.795235	1.58597	0.087765	0.122021
0.440631	0	0	1.002669	0.879347	0
0	0.13368	0.746712	0	0.076513	0
2.615357	1.331415	5.408729	3.134293	3.85034	1.014868
0.014904	0	0	0	0	0

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0.568738	0.422435	0.239023	0.092911	0.122808	0.065052
0.243228	0	0	0	0	0
0	0	0	0	0.016306	0
0.655762	0	2.206192	0.269316	5.353672	0.213536
0	0.144821	0.122566	0.390009	0.331557	0
3.067743	0.587111	9.838425	4.853342	7.392827	0.420475
0.105082	0	0.035584	0.114869	0.048129	0
0	0	0	0	0	0
2.332325	0.202352	0.171257	1.240409	0.504148	0
0	0	0	0	0	0
2.541934	1.395976	0.747453	0	0.244592	0
0.030253	0	0	0	0	0.04128
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4.296461	0.59968	8.897273	1.461638	2.017361	0.048694
0	0	0.149572	0	0	0
0.079176	0	2.677306	0	0	4.699689
0.182985	0.603419	0.347271	0	3.550424	0
0	0.562245	0.735397	0	0	3.457243
0	0	0	0	0	0
1.208703	0.821093	0.452033	0.401365	1.432692	3.235218
0.400842	3.598901	4.977654	3.38632	1.291587	0
0	0	0.035019	0	0	0.021951
0.095011	0.190077	2.033834	0.015897	0.746003	0
0.584683	0.245081	0	0	0	0
0	0	0.032174	1.220897	0.621669	2.162531
0	0	0	0	0	0
1.030064	0.512808	2.94159	0.533726	0.048918	0
0.016087	0	2.848206	0	0	0
0	0.027154	0.735397	0	0	0
0.106679	0.304885	0.07741	0.107096	0.349007	0
0	0.651693	0.052529	0	0	0.024694
0.099175	0.085032	0.08321	0	0.047908	0.050748
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0	0	0	0	0.031083	0
0	0.706001	0.321736	0.858444	0.046625	0.875115
0.913767	0.056979	0	0	0.130449	0.136022
0	0	0.684681	0.017541	0.737428	0
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1.047805	0.029455	0.648147	0.068978	0.084294	0
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1.748481	1.804688	7.499438	7.32315	6.044539	0.972587
0.463292	0.397222	3.120186	0.595914	3.282415	0
0.595054	0.215238	2.530037	0	0.866916	0
0.70162	0	1.527364	0.031305	0	0
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0.827889	0.012239	0	0	0	1.227078
0.348374	0.040731	0.19534	1.176386	0.295293	2.765794
0.398735	3.760588	1.000623	0.283542	1.027283	0.725454
2.571162	0.579283	2.070008	0.904369	1.749884	0
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0.868466	0.860127	3.145438	0.433579	0.524613	0.411368
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0.16677	0.703939	0.279265	1.790135	1.548665	4.883902
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0	0	0	0.015416	0	0.041906
0	0	0	0	0.015542	0
3.069728	2.15342	11.702411	7.652726	10.797227	3.908187
0	0	1.3429	0.029491	0.057662	0
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0.775923	1.86004	5.239707	1.001517	0.948046	1.869072
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0.008044	0.009195	0	0	0	0
0.485901	0.595154	1.762939	0	0.040877	0.454651
0.886769	0	0	0	0.217584	0
5.060215	1.568891	10.270029	3.476166	5.87823	6.684002
19.480774	8.882332	15.011446	12.822653	23.903681	11.260735
0.079176	0	0.011491	0	0.575044	0
0.028152	0	0.357485	0	0	0
0	0.02803	0.071167	0	0.080215	0.055762
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0	0	0.426317	0	0.360388	0
0.332542	0.203014	0.091449	0.071098	0.682709	0.309833
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0	0	1.98919	0	0.896834	0
0	0	0.287265	0	0	0.021608
1.879788	3.083278	1.814771	0.623576	4.283504	3.457243
0.296731	0	2.025762	0.104733	1.051797	0.280317
1.512613	0.739233	3.139159	2.596685	0.207842	1.145534
0.731936	1.448207	4.524737	0.203483	0.815077	0
0	0.020366	0.907756	0	0.45071	0
0.160602	0.074785	0.183849	0.086332	0.029883	0.074533
105.641533	116.787003	128.565262	136.612289	148.16098	102.850334
0.270254	0.115856	1.213406	0.508707	0.530491	0.13829
2.167226	4.451563	1.708385	0.98611	0	0.91484
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0.060325	0.387913	0.288906	0	0	0
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11.257101	10.213196	15.341522	7.137554	18.103016	9.4037
2.284286	4.330826	2.533035	1.437299	1.594631	1.514601
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1.003773	1.562611	1.018414	0.062967	0.492536	0.035777
1.174316	0	0	0	0	0
0	1.687718	1.739497	0.156525	1.606777	0
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0	0.951678	2.47467	0	0	7.090092
0.921319	0	1.080811	0.015416	0	0
0.015835	0.013577	0	0.015897	0	0
1.712382	0.254684	0.076075	0	0	0
1.013451	0	0	1.950045	0	0
0.535722	0.392923	0.342441	0.469327	0.427466	0.311859
12.583681	7.327923	12.048262	6.647108	12.267612	2.247208
3.331894	0.845118	4.825416	0.515676	0.599528	0.966133
1.138183	2.499827	6.652519	2.081787	3.687935	0
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1.109554	0.92885	0	1.683997	1.217615	0
1.053989	0	0	0	0	2.562969
1.442879	0.810013	0.710469	0	1.213836	0.351584
0	0.049136	0	0	0.071048	0
0.369873	1.040171	1.315127	0.527273	2.025644	0.161506
0.611051	0.434462	0.378513	0	0.921534	0.793132
2.487561	0.157986	1.938775	0.343524	2.788093	0
0.723894	0.391493	0.880861	0.022361	1.278863	0
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8.895846	2.779177	4.622498	3.91893	3.347147	1.668257
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1.471138	2.256399	3.214399	3.035834	5.599036	2.74349
1.34664	0.186061	0	0	0.590444	0
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4.877232	9.02866	1.735078	2.050726	4.11856	0
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0	0	0.106751	0	0.866327	0
6.273133	1.550864	13.535036	4.249959	2.694426	2.538229
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0.390549	0.169546	0.308792	0.193557	0.303253	0.074204
17.133652	12.993125	15.569743	11.064383	9.154083	8.794361
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0.112431	0.278135	0.305829	0.202807	0.466844	0.39147
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0.973359	0.00434	0.019476	0.005065	0.142096	2.939195
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	1.237071	0
0	0.341602	1.199859	0	0	0
0	0	0	0	0	0
12.406327	5.61904	7.372359	4.459667	6.49023	0.576207
0	0	0	0	0	0
0.009384	0.008045	0.00454	0	0.497336	0
0	0	0	0	0	0
0.253363	0.241238	0	0.334019	0.093837	0.32833
0.315924	2.109366	0	0.399698	0	0
0	0	1.011172	0	0	0.680645
0	0	0	0	0	0
0.745551	0.249929	0.546525	0.053373	0.539583	0.494499
0.32025	0.320675	0.28338	0.552311	0.534204	0.268759
0.227153	0	0.316981	0	0	0
0	0	0	0	0	0
0.643408	0.667481	0.416373	0.611079	0.523511	0.508937
0.778757	0.673903	0.440808	0.775761	0.647006	0.470891
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0	0.827546	1.050568	0	0	0
0	0	0	0	0	0
0.773907	0	1.85855	3.792182	0.361698	1.043459
0	0	0	0	0	0
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0	0	0.672001	0.192958	0	0
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0	0	0.271777	0.226092	0.363992	0.172027
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0.224757	0.304824	0.135218	0	0.016043	0.085502
1.995231	1.737847	1.907437	0.858444	0	1.782641
0.434336	1.944734	4.35402	0	0.884152	0
0	0	0	0	0	2.479678
0.679794	0.663777	0.537392	0.69249	0.71026	0.487424
0.689868	0.674617	0.546819	0.709936	0.722634	0.493883
0.00349	0.010375	0.001667	0.012655	0.011134	0
0.12688	0.899519	0.672814	0.013585	2.992931	0.038915
0.691721	0.317226	0	0	0.442076	0
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1.309041	0	0	0.113046	0.787448	0
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27.652727	10.256404	6.605446	3.342933	8.436942	11.063177
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0.546826	3.438188	6.369917	0.548964	3.499239	1.492335
0	0	0	0	0.537351	0.58032
0.057947	0.034307	2.115028	0.047653	2.297026	1.123842
7.284813	11.93346	22.975813	12.338416	20.036823	9.6165
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1.560528	1.762674	0.93259	2.386317	2.183381	1.672055
2.618698	0.792082	0.243343	1.00267	0.872672	0
0.73556	0.397447	0.267101	1.918749	0.324173	0.269156
4.8065	6.495785	5.894024	1.998697	3.638847	3.675368
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1.314747	0.284944	0.131085	0.382676	0.255389	0.15677
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0.019812	0.107687	0.098996	0.081161	0.070845	0.064023
0.63478	0.208861	0.376592	0.59178	0.395001	0.114184
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1.161212	3.255806	1.983761	2.014909	3.505445	2.779495
0.565647	0	0.15392	0	0.050986	0
64.439766	0.376281	49.030972	20.220713	25.866846	29.602623
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7.312437	0.949132	5.7361	1.42438	2.172973	0
0.637145	0.555539	0.657447	0.952209	0.878356	0.401192
1.346441	5.759724	1.785965	0	2.604821	0
2.881405	0	1.087871	0.121273	0	0.948248
0.104107	0	0.192201	0	0.076201	0.051559
7.436392	1.965503	1.32564	1.038561	1.256547	0.957595
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0	0	0	0	0.435169	0
0.418793	0.182729	0.292717	0.320186	0.722924	0.048808
1.433925	0.184877	0.340317	0.887531	0.571407	0
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0	0	0.899612	0.671691	0	0.268524
1.514728	0.878267	4.736592	2.767805	3.925208	0
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12.01679	7.813843	7.635986	4.687637	6.455294	10.33922
31.169067	26.524229	26.543322	16.359243	15.582671	31.297888
3.177936	1.674885	3.185822	1.626698	2.128537	2.779678
0.360366	0.631554	0.067382	0.125762	0.092213	25.304712
15.952987	12.013163	12.290606	7.905038	9.533953	12.797142
4.393486	3.292694	4.63119	3.522118	6.104108	2.348889
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15.757423	10.252761	13.064079	5.140884	6.639834	15.559168
9.707047	9.326001	12.375401	8.63401	8.980815	13.095843
18.224909	20.520905	25.221638	13.167314	20.067183	18.75652
3.55516	2.894384	2.828476	3.459357	3.109173	2.662764
8.461855	9.095871	8.804196	8.272135	8.131743	9.146272
0.394236	0	0	0.215303	0	0
14.82089	9.296951	12.749005	5.760905	7.686946	8.310023
31.982483	32.142372	43.503979	20.337374	34.252399	25.950178
18.500481	15.684284	16.05426	9.636505	12.939534	21.327986
7.575155	8.80239	13.208116	13.86803	11.386985	9.14595
0.083662	1.503077	0.059422	0	0.616626	3.62913
0.059685	0.102347	0.108274	0.119437	0.058188	0.02036
1.396145	0.699193	0.914071	0.525168	0.476949	0.131565
0.822321	0.688298	0.557119	0.539379	0.781816	0.517128
1.2038	0.84819	0	0	0	0
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54.080677	57.089394	37.505768	21.249983	29.603252	48.893852
1.953781	0	0	0.131449	0	0.312075
178.672134	187.620909	120.925478	98.361285	119.321608	201.316198
5.725334	6.342508	8.663283	4.206885	5.5795	7.84866
3.08928	2.791517	2.854414	2.191894	2.741702	2.797378
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14.312759	9.03793	10.994668	7.274413	7.89562	14.138131
14.83446	13.268938	20.150074	9.955666	15.095543	18.01368
9.663416	9.12801	13.423182	8.11132	6.070543	3.899754
13.598311	8.996777	13.778313	9.714365	10.27817	13.6719
3.235572	3.088698	3.871396	2.965101	4.415482	3.549642
7.606956	9.557147	12.538218	9.19873	12.136429	8.396184
14.91297	14.039858	18.12101	10.719304	15.183455	8.097857
0.424795	0.459654	0.941059	0.118214	0.457301	1.356528
6.615197	5.899173	8.478519	4.95956	5.06451	7.436734
29.192402	27.226622	22.885835	18.151424	23.929624	34.036174
9.817372	6.971578	11.380095	5.742351	9.022862	5.167929
2.527599	9.632221	1.635984	3.58726	2.998299	6.310481
9.49362	10.050138	7.748397	4.323513	6.268655	9.00299
4.798475	5.31402	6.006307	4.429493	6.246346	4.207792
3.524515	3.294173	5.075645	2.904417	3.397933	2.469492
4.841069	5.015521	3.781979	2.107577	3.584424	6.687346
44.443157	38.857311	39.01899	34.653828	30.910437	45.38229
47.824512	48.787735	33.6796	33.611389	35.980103	53.010014

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14.355694	15.44174	12.201818	7.579549	10.844188	13.012673
17.079918	9.502287	5.033273	16.922876	40.201012	20.668888
8.593916	7.135201	18.386739	11.469251	20.479052	5.269763
29.258577	13.378584	13.498734	24.888578	36.417042	7.059408
10.250439	4.72662	6.226823	12.430341	22.634253	7.268094
355.582947	254.697601	156.621933	129.422318	208.920319	166.379257
1.961388	1.42878	0.563192	0.30268	0.412838	6.145473
0.199103	0.112983	0.228205	0.199881	0.178893	0.192053
1.558809	0.854978	0.299513	0.214623	0.733816	0.756848
26.057274	7.044294	15.353113	5.515624	17.758467	8.97068
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224.098923	72.047813	50.790302	29.629145	69.136345	48.844097
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43.367069	21.195316	11.139167	8.093908	16.039593	10.969151
0.070641	0.045223	0.025629	0	0	0.029239
0.354104	0.231077	0	0	0.065252	0.228159
0.708262	0	0.050709	0	0.200103	0
1.26741	2.62296	4.523406	1.489387	2.173789	2.764951
10.935417	6.433174	4.621156	9.60411	18.058807	6.89451
0.341665	7.383872	0	5.274796	2.300854	1.060011
2.845346	0.82004	2.755717	0.55993	2.628803	0.989394
39.900719	10.747113	12.425761	28.889418	100.515366	10.473816
0.278502	0	0	0	0	0.066818
4.289328	2.674084	1.660719	1.512157	1.716782	2.351522
17.881351	14.894541	22.416426	16.562866	19.306929	13.979101
2.662726	2.476006	3.246663	1.3101	2.427626	2.68217
0.573539	0.469486	0.19729	0.06143	0.238117	0.236162
14.021645	16.984625	20.338282	23.097206	18.546766	18.101486
15.573399	11.32981	18.124941	15.29847	10.764413	13.33412
0.932711	0.499459	0.799287	0.533831	0.477256	0.742173
22.866978	9.138878	8.37762	5.78448	7.039936	9.378809
18.795448	8.325592	7.154009	4.933174	5.036826	6.157142
1.950066	1.684953	0.35203	0.253369	0.332475	0.456884
8.114677	9.574172	13.448987	8.801101	12.382201	8.185206
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2.087796	0.587549	0.014795	0.040937	1.27716	0.07273
16.123081	13.561497	20.689054	13.632181	15.379196	20.113096
3.536371	3.552969	3.737285	3.308603	3.160614	3.004345
23.159019	22.796118	18.902641	11.866575	17.273527	20.749155
17.778847	16.062449	13.546649	7.02581	10.790697	16.835089
1.68253	1.290274	1.670438	1.091316	1.462319	2.030947
10.162112	4.25643	5.768098	3.12366	5.496058	6.727906
35.234806	30.894388	26.14469	26.940615	27.054955	32.663486

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4.699429	6.503735	8.223076	2.578125	5.639019	4.886486
34.92181	33.212565	26.057424	23.013863	26.203809	42.617561
4.684047	4.202553	3.353884	1.236382	3.413342	4.337507
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34.089264	40.58564	29.288198	20.380243	28.573275	32.329086
0.807528	0.412649	0.736266	0.359971	1.138614	0.4051
8.412609	5.925686	4.998596	3.722912	5.677934	8.544587
3.570128	3.043041	3.505779	1.402649	2.897298	3.205459
4.675837	6.339981	7.428341	4.202739	6.616062	3.124777
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6.654056	6.905372	6.905117	8.827072	7.531667	8.571151
87.891729	95.675241	84.874885	90.469337	87.993736	84.227669
13.411031	12.922739	10.641685	12.072165	12.001231	10.740567
124.264544	124.656874	110.424472	101.38735	111.339445	118.667928
0.158027	0	0.810015	0.113458	0.468133	0
7.319715	5.456626	6.093456	3.807049	4.084764	6.791585
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3.610697	4.037911	4.579587	3.371026	2.651544	4.130177
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4.065489	3.105332	4.309266	3.084698	3.757942	5.093733
6.214839	5.12995	6.430046	5.166317	5.215163	3.803223
19.103338	21.258188	16.255373	9.898797	13.664384	12.836528
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11.292736	11.417091	13.111824	7.572071	11.130656	12.400371
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31.764637	26.331011	16.601648	21.003956	20.186888	29.062822
69.699654	88.97921	52.57962	64.580215	55.82272	74.746887
61.83665	51.429466	43.382865	32.149646	37.477166	62.034573
2.579141	2.291428	2.783782	1.73517	2.054434	2.069686
98.177818	79.005135	46.968254	34.029888	42.906597	76.994293
17.55489	17.278486	18.206394	11.563921	17.300058	20.855221
23.303844	21.635296	16.498684	16.751301	12.266255	27.990479
30.036219	31.408211	28.164537	31.93948	25.113087	36.900002
16.6154	8.805816	8.358538	6.56336	6.6685	7.055911
1.572837	1.319167	2.846032	1.030825	1.176546	1.008031
17.983858	12.273237	10.867417	6.671391	7.819236	16.778154
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6.734024	5.73158	6.3406	6.474938	5.868449	6.60499
28.313208	33.987022	32.734734	24.532064	26.683495	26.908939

3.853183	0.397944	0	0	4.249816	0
26.732224	20.289455	23.58194	16.15493	18.771908	41.598091
1.327688	0.760919	1.169289	0.877759	1.571748	0.251743
0.213583	0	0.232475	0	0	0.382519
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5.909039	3.892664	5.243555	5.065485	6.049563	6.113439
32.527541	31.7138	31.150958	32.158837	34.982412	29.258067
0.430437	0.540218	0.440647	0.31453	0.358481	0.646556
4.875251	3.774872	3.698839	1.023865	2.034705	3.786397
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32.039655	31.175406	41.259279	23.525821	35.888546	29.935136
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33.945603	32.202911	35.339268	22.725273	29.15774	28.071598
1.363669	0.983642	1.929643	1.545135	1.203383	1.768428
25.944342	23.692045	22.386112	11.425938	13.973307	33.821609
0.632072	0.180935	0.138372	0	0	0
32.329139	48.861845	61.5148	58.786856	94.99223	48.212895
1.241603	1.85619	0.730138	0.920609	1.539328	0.80583
0.51309	1.831036	0.794752	0.662548	0.717893	0.69546
4.181391	4.185309	5.874972	3.699836	5.607661	4.063182
5.814061	10.999944	6.009206	4.89118	12.947771	5.691638
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79.649681	23.349018	53.069141	20.488811	32.866604	40.626179
42.262932	58.693314	40.193466	35.042839	57.786339	37.313633
8.725205	7.866924	10.246205	7.544583	8.198891	11.60133
2.867785	2.411586	1.554424	0.961299	1.580781	1.521991
178.840897	175.909897	113.420151	93.652061	117.119324	139.501434
10.324366	8.366447	16.956053	9.502643	10.426449	13.909078
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0	0	0	0	0.205249	0
0	0	0	0	0	0
0.15104	0	0	0	0	0
0	0.002935	0	0.00385	0.012896	0.013829
0	0	0	0	0	0
0.289627	0.031144	0.091867	0	0	0
0.073226	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0.783599	1.015169	0.571541	0.340311	0.987001	0.44013
3.440984	2.506278	1.955072	0.324599	1.235653	1.690361
0	0	0	0	0	0

0	0	0	0	0	0.200669
0	0	0	0	0	0
0.116706	0	0.036294	0	0	0
11.710095	10.687277	11.948753	8.409649	8.195507	12.746591
2.544989	0	0	0	0	0
6.11237	7.115343	9.208649	5.067341	5.041918	5.661113
0	0	0	0	0	0.111437
12.212734	10.550001	20.058601	13.546569	17.78308	11.043229
0	0	0	0.021321	0	0
0	0	0	0	0	0
0.079386	0	0.061933	0	0.04204	0
0	0	0	0	0	0
0.260227	0.262244	0.353523	0.170808	0.153389	0.222896
0	0	0	0	0	0.24915
0	0.089317	0.01507	0	0	0
0	0	0	0	0	0
7.159036	6.48149	7.591822	7.897621	6.260545	7.101606
37.778957	41.628906	39.435795	25.790905	32.873672	49.558098
26.803347	23.642141	19.969536	20.015036	19.394016	29.107054
156.919891	160.814072	100.558823	85.765686	92.82618	200.267609
199.700089	194.941833	152.77739	207.586243	160.338242	211.299988
122.063751	165.463531	126.315941	143.645248	140.275391	137.410004
16.868837	23.395067	19.63786	16.07487	12.637366	23.937831
32.430424	26.554743	19.318249	23.387861	20.01112	33.930805
13.660975	14.642375	10.609247	9.096403	10.392179	14.220949
79.64518	64.755661	61.176785	50.185375	52.229053	82.5989
9.205731	8.706616	8.921474	7.574434	7.960253	11.36617
62.603615	74.81073	60.119831	51.114017	48.166367	76.301537
168.858429	144.247223	99.456703	87.003479	100.799812	174.946869
33.467373	30.82752	33.007629	38.352528	28.822903	43.486485
58.243496	54.801682	42.223652	40.46101	34.904949	71.843361
61.235409	66.544334	59.719456	77.011459	64.365646	58.029408
116.702934	112.337753	103.240219	103.190392	108.910805	118.408012
50.504475	41.724823	41.564781	30.951193	34.640903	57.325901
118.242592	139.146515	111.344009	97.176933	99.977058	159.027344
31.029404	27.543919	31.531548	26.776407	25.042843	34.834827
129.348434	124.605682	133.557831	151.80899	128.461594	147.470688
69.596886	52.10601	50.9799	67.613022	49.470646	73.194504
287.865662	254.372757	272.48526	218.505066	205.324905	284.118561
82.49427	106.357735	64.965416	61.697681	62.308609	104.753387
8.683998	6.963227	5.926965	5.775171	6.222234	9.573241
42.254833	36.485165	22.754519	21.653334	21.114157	40.39991
34.945084	35.861111	28.216454	21.839727	24.089527	33.055492
47.739922	54.393021	41.776409	31.488655	37.025597	46.149658
19.926634	18.914829	17.436472	12.87002	17.04705	24.978861
30.847649	36.922844	31.685804	24.199762	25.108297	37.355145
39.640816	44.22039	36.336723	32.356674	30.881947	56.781364
20.959358	17.996908	15.978279	12.814889	13.355604	21.252981
118.194679	99.251663	74.784737	72.230324	69.050499	108.115662

47.896198	58.535595	39.387718	38.12244	36.323948	64.614235
18.968754	19.78632	16.503061	12.942028	13.838082	20.934284
24.016825	23.048998	21.76259	22.322227	22.7285	23.136791
25.628782	22.082821	16.989897	14.915158	18.333269	32.760147
34.319019	31.052067	20.143314	20.188446	15.983178	31.948574
43.380795	36.996286	32.672925	40.922768	36.155188	39.219197
26.23175	26.373196	23.668236	17.811844	20.697538	34.195351
27.761707	27.105837	26.380068	21.165897	22.452705	30.189638
42.594368	44.115517	26.959236	27.029984	26.268511	48.656521
306.615601	300.443024	192.520645	199.679947	238.605194	272.806671
133.880081	160.283218	110.253799	148.793152	141.851425	164.382004
102.914459	91.885353	75.46907	61.202599	83.134674	103.901627
21.996633	25.766037	18.152041	19.742138	17.940129	26.907184
24.622793	27.189713	22.95384	20.209553	18.890181	25.890144
38.737949	38.703106	41.238682	38.37748	35.962864	51.331272
46.967157	49.542826	40.801762	42.22267	39.207635	57.522743
28.431036	27.666431	21.966032	17.408228	19.969715	39.948227
49.502033	55.773724	28.83102	23.583488	31.271065	46.426121
28.587545	28.323828	20.601582	22.899832	18.848766	28.948526
62.508736	61.659309	41.278687	35.149067	36.702095	51.9729
114.444733	123.215218	101.091156	110.918266	108.749542	125.042236
49.779419	52.894646	46.855461	38.10881	38.689045	49.626976
93.975273	99.760788	55.846375	61.43346	57.593075	91.173973
45.603523	48.103138	35.821815	30.05624	29.530308	54.665146
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14.386163	9.875298	13.120458	7.42152	10.259608	14.677125
249.188126	267.600739	197.895065	207.427582	187.064178	297.790894
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48.813141	53.417587	41.049625	30.867218	32.520164	55.180756
9.136546	11.361089	10.370796	8.277504	7.234715	9.140342
54.571938	51.988598	35.808353	34.249672	35.903217	54.477905
27.982714	27.047848	27.137093	27.495146	27.885826	30.894924
12.821868	14.13076	11.532718	12.145718	11.669903	19.41683
48.938826	49.595928	43.098284	46.928455	42.313181	61.223686
58.637943	56.397793	43.027302	36.618999	36.648869	51.341206
45.564449	44.500786	51.540543	57.344231	43.202473	57.33839
29.768488	30.378113	26.110121	26.222897	23.745443	31.331399
27.998522	28.852329	33.756233	24.182392	25.447355	29.304113
91.126038	93.545639	61.75507	51.532524	51.937546	96.802666
53.221478	56.962414	42.644165	38.252949	40.707893	67.090347
51.419594	55.294533	52.509651	54.992729	46.728512	59.724777
10.959467	11.993603	11.869896	12.428555	10.771241	10.173569
7.120419	5.054313	5.178336	4.028084	4.715291	5.565825
91.329317	86.571622	58.227965	59.297726	50.609417	103.269281
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7.5053	1.526542	0.316694	0.352523	0.122676	2.669882
7.52958	4.001892	0.450079	1.145286	1.858407	0.812357
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29.712372	5.221783	23.183983	5.717	12.545416	14.163289
68.188763	17.953802	50.601913	19.777689	24.857271	32.138281
74.712982	25.570505	47.400417	21.862728	41.689491	34.317482
76.538178	12.532648	17.766758	7.567979	18.347766	27.349828
13.861423	10.023943	23.335613	8.734533	12.185184	38.176014
1.049828	0.834702	0.365987	0.256084	0.533483	0.246822
7.879143	5.983853	12.29985	7.998985	9.411821	5.005308
11.969864	10.21498	8.561318	6.592285	8.977198	9.868319
11.708559	9.40768	9.345217	8.382797	9.197347	9.711101
0.220752	0.529856	0.252699	0.177766	1.040436	0
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8.311826	12.516029	16.463661	11.035418	11.579325	12.864202
3.150046	2.951604	4.107298	2.330303	2.961699	3.814798
0	0	0	0	0	0
0.45217	0.219489	0.699468	0.91659	0.792092	0.215389
11.63531	13.991446	20.695406	11.294303	11.069945	11.596483
2.296189	3.124716	4.856658	2.389987	3.159871	1.34597
7.998955	11.634608	14.808458	11.584319	14.326866	9.543055
31.425226	23.923113	27.15785	16.15251	25.33774	21.979141
6.559025	4.710605	5.813898	3.863074	4.535136	5.631034
11.278966	12.274525	13.135592	11.896101	12.077299	12.598015
1.210932	1.104021	0.590036	0.391276	0.574957	0.69985
96.733025	93.331024	212.013519	110.427467	69.154823	62.469036
0	0.151469	0.299878	0.058072	0.090618	0.123376
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19.529087	32.722317	28.462383	15.620438	20.605345	24.610472
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201.91832	189.5728	199.723129	161.837158	184.641937	237.01712
52.279145	37.273701	33.492223	30.092069	28.505445	40.701163
9.127628	13.260429	7.063831	5.634256	5.963274	16.621668
173.703873	169.054733	97.856827	70.872231	90.900703	210.152756
6.493402	2.347772	3.294778	1.904983	1.565083	3.564647
16.301989	12.939357	7.260563	6.555712	10.629839	8.057763
12.763717	0.832817	1.159645	0.432777	1.142065	1.417539
0.434439	7.006505	0.646471	1.382175	2.575441	0.479114
2.693829	0.63424	0.674681	0.064219	1.801575	0.804281
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16.293646	12.154519	18.448437	7.672374	11.874321	11.079551
0.358986	0	0.433393	0	0	0.187991

1.508133	0.525802	0	0.06975	0.635081	0.304642
0	0.119768	0.051022	0.121412	0	0
0.166176	0.227964	0.593592	0.300286	0.391432	0.113377
511.687927	683.389282	845.650818	921.424744	1464.104614	384.986298
240.758347	428.499725	729.411011	584.733398	1094.024658	106.389809
1.514525	0.943219	0.606908	0.99283	1.72496	0
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41.159428	50.18309	67.654839	44.470551	56.12867	47.755093
53.045788	50.486805	51.697861	35.295746	44.015404	59.570522
16.246939	17.334457	21.521305	15.83637	18.055124	17.042687
0	0	0.231096	0	0	0
48.771622	60.60046	58.236111	48.507366	55.004383	73.899849
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5.55352	5.847438	8.733572	6.713663	5.307713	9.078621
121.241852	120.231316	103.80703	58.510353	88.578377	114.921249
68.929939	60.251595	62.32645	59.914787	50.825848	87.088661
4.197296	5.170158	4.926127	3.55173	4.601979	4.13678
1.795704	0.951718	3.342615	1.319138	1.714428	0.425732
74.627968	59.0331	67.371201	59.857147	61.335583	64.562782
4.446736	3.480115	4.434297	3.701437	4.283375	2.81906
3.548188	3.298798	4.441682	3.161943	3.66167	3.175963
2.75438	1.294626	4.369678	3.436615	2.275012	3.133361
10.271868	11.569049	11.52177	8.457946	7.733351	12.436284
12.530937	15.657027	36.59169	19.526833	29.761723	10.326178
4.645192	2.870341	2.918098	1.807156	2.595809	2.650553
5.891317	4.872641	6.992999	4.807338	6.599345	5.070573
6.571852	5.787151	5.617339	4.018265	4.418054	7.692929
2.405412	2.924215	1.026712	0.491216	1.380854	4.221501
20.764214	23.259611	22.483833	20.154974	24.1143	30.605965
36.371594	29.395327	30.547339	23.764904	31.19733	29.270519
2.297287	1.775604	2.074222	1.083346	1.219518	2.428312
8.976273	8.516541	9.232351	5.717296	5.750916	8.586071
10.019417	7.374382	11.167129	5.405702	7.234762	7.055115
24.243546	27.199482	19.950863	15.158069	15.824069	28.0126
13.797032	13.121689	20.664633	17.260575	17.666786	16.055865
27.022417	34.644455	26.068598	29.178171	20.089476	41.397396
3.351536	3.34197	4.300028	3.496824	3.390141	3.61663
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21.425863	21.994539	17.146027	21.149441	22.714897	21.363855
16.445861	14.400587	18.366021	11.537152	13.610791	12.321509
24.00873	25.48057	19.666637	22.612787	24.610809	22.209875
11.765871	11.867319	12.848934	6.732034	10.338778	11.380716
4.649887	4.890227	7.096354	3.363696	1.330146	2.167403
0.414356	0.360949	0.76239	0.261596	0.496473	0.354375
2.135278	1.732367	1.897595	1.641039	1.6075	1.718569
3.779336	3.336282	5.066529	3.136553	3.67131	3.307882
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4.507815	3.913951	4.733856	2.17018	3.620708	2.992911

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18.760935	14.819643	17.260632	11.677066	14.144577	18.374294
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32.152744	28.61278	27.356167	26.733431	28.101799	33.341007
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4.720661	5.367307	4.951492	3.770992	4.098879	5.103796
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3.820281	3.233243	6.357404	3.740437	4.428011	2.647179
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9.058889	7.736921	7.491084	2.415508	6.217053	7.324469
0.260383	0.116809	0.058204	0.050176	0.166548	0.44303
31.466248	34.307365	31.139153	23.509499	26.0798	32.887421
37.858589	32.081799	29.510014	29.092155	27.592239	34.540546
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5.612933	37.594398	1.889589	8.769893	6.085304	3.162681
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0	0	0	0	0	0
4.957981	13.214647	0	1.702151	0	0
3.695327	3.836188	5.954057	4.964127	5.462905	1.759067
8.812879	10.335527	9.505003	8.059447	9.823439	5.480587
0.128829	0	0	0	0	0
30.422434	11.422773	5.485852	5.998345	8.711598	8.680935
8.221498	8.139746	9.489228	5.852834	5.939473	7.924575
0.989515	2.376162	3.734726	1.403047	1.744649	1.385561
47.818275	52.984707	50.299244	48.66729	53.346966	56.594933
5.658228	4.822549	6.874972	3.455713	3.806159	4.912419
16.42848	20.981952	16.365038	8.677611	11.760029	20.093172
6.739422	9.521379	10.04548	3.091726	5.153109	7.86843
34.14373	38.279655	26.316372	21.801458	31.085243	36.058914
5.034806	2.113385	0.373716	0.191085	0.213908	2.77422
3.987308	2.328551	0.165734	0.081937	0.489943	1.288972
5.984165	4.787376	7.796933	5.88293	11.364562	33.781738
4.113626	4.944895	4.865477	1.292328	2.310926	4.328647
25.618214	23.127817	24.898094	10.105973	20.443066	16.794752
5.100353	18.061273	23.021188	23.882231	28.457016	17.00605
32.267689	43.612919	17.055891	16.526941	22.50494	26.328358
121.585426	108.424637	130.917633	86.191154	124.34774	74.001801
103.148647	97.56779	79.401	52.552819	77.726631	91.148758
0.723517	0.019209	0	0.066152	0	0.044958
0.370043	0.031287	0	0	0.138258	0.589662
68.160286	68.27298	72.521843	51.864048	55.227798	85.197388
0.69837	0.851283	1.318492	0.510837	0.689932	0.384154
5.488578	4.665282	5.394901	2.471715	2.33773	7.496887
35.073748	0	0	0	0	0
103.598656	0	0	0	0	0
0.317955	0.051152	0.130954	0	0.161784	0.235426
3.589215	0	0	0	0	0
0	0	0	0	0	0
212.008138	162.566193	199.532498	158.498658	138.427182	194.339271
15.932675	11.189513	11.479629	11.915056	10.366685	13.937927
7.587132	6.553881	6.409663	4.674178	5.966808	4.496481
0.233634	0	0.055256	0	0	0.636898

0.862982	0.729242	0.822706	0.344599	0.56819	0.678993
0.204954	0.345092	0	0.146185	0.307674	0.259693
0	0	0	0	0	0
3.183672	1.450812	0.791498	1.368512	1.747744	1.486652
30.640261	19.647255	17.116423	7.479198	14.767082	22.539408
105.842903	125.143105	81.367325	67.181679	78.362228	117.124413
20.023847	14.514396	28.393344	16.154504	18.739152	19.731457
456.746984	496.925825	316.514054	371.848892	391.326627	418.709526
0	0	0	0	0	0
5.26296	0	0	0	0	0
28.691139	32.424541	33.360889	19.147205	22.459124	37.625275
54.977619	0.024171	0	0	0	0
12.298395	13.854837	16.662142	12.745329	14.200422	16.341038
3.782397	0.841541	0.445985	0.250121	0.414178	28.753614
0.206531	0	0	0	0	0
0.288402	0.285951	0	0	0.088551	12.243522
0	0	0	0	0	0
28.182785	0	0	0	0	0
0.640126	0.068363	0.009205	0	0	0
171.411514	0	0	0	0	0
0.551321	0	0	0	0	0
3.50033	0.016793	0	0	0	0
0.113046	0.215591	0.526835	0.180719	0.312578	0.108814
2.337042	0	0	0	0	0
98.280876	113.356926	129.944656	107.309883	146.457535	109.59774
197.065319	0	0	0	0	0
0	0	0	0	0	0
207.545135	224.415573	216.187592	202.491119	217.206757	259.334686
210.575058	222.17453	159.777634	124.935547	138.385864	264.786713
19.407661	0	0	0	0	0
1.968216	0	0	0	0	0
10.950548	0.957489	0.748723	0	0	1.819849
945.240295	918.810303	663.406311	633.665649	706.172485	1214.415649
6.073074	6.502443	5.223042	3.239662	3.532743	5.294796
0	0	0	0	2.790137	0
45.82753	19.777443	8.075112	8.711435	11.822166	148.104385
10.899437	5.894691	8.508719	6.316634	13.713657	7.622026
14.974051	11.151523	3.278813	2.67417	6.561372	25.075436
2.890122	0.567351	0.527953	0.206727	0.490973	0.315702
0	0	0	0	0.043415	0
0.258887	0.021257	0	0	0	0
532.308594	1.863295	1.298391	0.3881	1.036829	0
4.842348	3.891999	5.70614	5.49567	5.111804	4.137561
7.985087	7.540041	7.819176	6.008123	8.975292	6.395514
0	0	0	0.011672	0.025357	0
0	0	0	0	0	0
10.701612	12.981001	14.739966	9.622139	11.648055	10.674319
2.111723	0	0.033306	0	0.025707	0
3.771781	2.425444	6.231614	2.338683	2.994881	3.950425

0	0.17958	0.19169	0.135635	0.044498	44.497284
6.264204	14.907755	17.663086	14.45945	16.727203	12.760201
41.743407	40.738378	50.471897	25.185506	39.846183	44.564665
3.972253	4.218492	4.720671	2.845938	6.953036	5.520127
15.543034	15.68457	18.926666	14.988865	19.356255	17.976509
19.401777	14.67377	10.713433	4.180538	5.16954	15.563385
18.151705	13.143816	15.447792	6.144092	6.952489	13.202547
0.2114	0.407161	0.954663	0.870952	1.74427	0.431353
0	0	0	0	0	0
0	0	0	0	0	0
9.916634	5.317887	11.748822	6.787428	7.585129	7.043369
0.101848	0.487128	0.065718	0.045	0.358393	3.586304
0.045012	0.047112	0	0	0.032801	0.191966
2.529763	3.046424	3.58328	2.937287	3.783113	2.864748
9.875651	8.105481	8.550014	3.227741	6.574006	8.288391
0	0	0	0	0	4.769526
2.012718	1.205927	2.337723	1.361414	1.715629	0.873694
23.394625	20.227432	25.448154	15.063648	21.920708	18.734295
0	0	0.10536	0	0.071731	0
0.074271	0	0	0	0	0.212286
1.017824	0	0	0	0	0
46.616403	46.985174	70.8762	42.097965	48.855671	44.786445
1.46853	0	0	0	0	0
7.379891	0.25481	0.575482	0.372049	0.393402	0.948047
11.157575	0	0	0	0	0
1.095335	0.029442	0.083123	0	0.040122	0.046485
11.973598	0	0	0	0	0
43.302696	0	0	0.748515	0	0.681296
9.355742	0.32481	0.717539	0.397083	0.248452	1.269555
2.663877	0.093364	0	0	0.06559	0
2.001981	0	0	0	0	0
5.904923	6.20121	4.730561	2.770642	4.72176	4.358351
3.985446	3.337998	1.300512	0.394636	2.220372	1.802436
0	0	0	0	0	1.79146
0.063634	0	0	0.048072	0.046997	0.239292
3.651906	2.837594	5.596019	3.414832	4.247799	2.598221
0	0	0	0	0	0
0	0	0	0	0.018932	0
1.459785	1.901889	1.456593	0.836018	0.822663	3.453306
0.33558	0.359654	0	0	0.247021	0
0.185391	0.126824	0.405567	0	0.103145	0
35.224316	31.795444	34.878654	34.927834	30.473166	37.210537
11.366705	14.230562	11.160566	7.939862	9.009161	13.210774
16.294014	11.953573	12.153782	8.189645	9.047525	10.086662
0.686834	0.45349	0.671191	0.471906	0.773383	0.360624
8.104948	5.85133	6.126931	5.119901	6.256357	4.661266
4.633483	3.631996	4.534104	3.919216	3.981454	4.248856
3.844904	4.218376	4.327465	2.564897	3.381186	3.298898
11.078096	5.399604	11.281394	5.628748	6.659318	6.668433

42.250957	35.888836	33.7887	22.484131	27.825806	37.632668
59.480896	71.473242	63.34641	53.307698	56.31156	75.896271
0.111166	0.115719	0	0.133981	0.109106	0.046248
24.20924	17.098749	11.98734	16.384958	15.676689	17.979877
6.876369	4.195294	4.482296	4.917926	5.103556	3.865866
62.461208	44.996458	50.406013	46.111283	48.943262	68.329018
10.291968	7.606466	9.010416	6.226141	6.950731	10.866012
4.304655	3.378866	2.879706	2.482151	2.814707	3.519924
13.128675	11.858615	12.113096	10.12797	12.950574	12.70977
125.288475	121.220055	106.83551	100.545189	90.071213	118.293556
13.885667	11.25223	13.156093	7.270086	8.318925	11.000357
29.196159	23.948393	16.631744	16.505449	15.874961	24.267307
26.030717	19.759674	19.411156	10.077648	14.391124	22.440348
45.32639	46.992974	32.187431	15.338784	20.386162	24.075447
1.821575	1.627698	0.306461	0.903948	0.662621	0.461651
0.342294	0.623806	0.425813	0.152497	0.278778	24.75528
7.613131	7.170926	6.777132	4.298516	5.923063	6.615207
25.259219	27.580379	23.237052	21.570868	34.8534	19.706168
11.256161	8.13353	9.052281	6.197696	8.941526	12.836749
42.826	46.550194	36.532196	26.504999	28.740513	40.065891
407.981964	530.025499	703.937951	806.623662	729.11323	633.367477
0.596099	0.284669	0.403995	0.10667	0.660878	0.476638
21.596592	25.808895	25.940784	13.539012	18.973635	24.275002
6.363112	3.823743	3.561732	1.705347	2.490409	3.220691
51.087479	49.701454	37.841248	26.601519	27.304493	56.817627
9.329636	10.390715	15.618009	13.254511	14.60821	12.770281
3.268909	2.4211	3.626386	1.899431	2.782809	2.786994
24.410944	19.580505	19.155312	20.172846	18.628902	21.153049
6.483542	5.91086	6.417428	5.39434	6.093608	6.827187
24.265078	24.045521	31.623243	23.719109	31.81284	20.803455
42.65246	29.988325	25.973938	18.733933	28.60815	34.909661
28.94656	24.919203	24.854774	17.437889	29.453432	22.54731
17.555048	17.76035	13.526024	8.105879	13.615054	18.606046
0	2.342191	0.671767	0.583935	1.55197	3.057086
1.201262	0.701533	1.093246	0.475262	0.612664	0.599872
0.493571	0.952302	0.620097	0.770617	0.412205	2.385697
4.230647	3.519675	3.563224	1.954996	2.091325	4.60002
5.118562	4.215167	4.352948	2.663236	2.694665	7.833678
1.775337	1.166082	1.846095	0.982379	1.049945	1.898538
0	0	0.054624	0	0	0
0.021366	0	0.038552	0	0.02097	0
21.886364	20.700907	27.787331	42.460094	33.676739	20.07041
0	0.240289	0.468592	0	0.387041	0.26187
0.398105	0.347304	0.196393	0.173282	0.187641	0.3415
0	0.090576	0	0	0	0.108114
0.41371	0	2.095379	0.88083	1.10336	0
3.726919	3.043445	4.211554	2.368911	2.658123	4.583927
41.676567	43.670719	28.809891	26.995684	31.323263	41.915619
114.357729	117.556103	104.166836	122.604943	91.472962	114.178112

0.252391	0.748555	0.75882	0.6719	0.996961	0.218897
0.026906	0.042447	0	0	0.026408	0.055071
48.303758	45.585132	50.38268	36.683217	43.527364	49.546393
0.517963	0.769369	0.368864	0.495277	0.827142	0.355217
57.70911	51.074234	42.847466	29.743668	44.315758	48.095707
1.682037	1.485263	3.039413	1.779941	1.878041	1.29038
1.073877	0.999037	0.856328	0.472282	0.567068	0.935611
8.71888	7.499132	8.999849	6.244409	7.997364	5.137099
3.717986	6.605089	1.44774	1.761549	1.839844	12.448635
20.558525	34.13419	19.1984	14.083522	9.547229	21.328781
6.00582	8.076754	11.332154	6.5039	10.018854	5.571238
15.684292	13.281767	18.011354	11.784247	13.974648	14.859817
63.990867	69.562428	73.919418	67.911425	58.046201	86.711853
2.10517	1.668658	2.442577	1.688827	2.413715	2.708447
27.808517	19.113486	15.861271	17.233288	14.262607	25.870362
0.05647	0	0.020488	0	0	0.057792
13.611415	12.102591	15.840416	8.840431	8.534413	12.385823
2.800092	1.531397	1.585757	0.561093	0.876817	1.351585
8.133441	5.547289	5.262516	4.027814	5.308053	6.535815
0	0	0	0	0	0
9.717808	10.383595	15.601246	11.033195	17.704947	6.686079
0.623801	4.148365	0	0.489785	0.239062	13.696418
0.412428	0.605412	0.269199	0.09303	0.20323	0.29219
12.578447	18.186649	14.702744	14.718297	14.143255	14.847787
4.812612	4.338351	5.73854	2.50672	5.179208	3.863068
11.038731	10.458479	10.215302	6.501448	10.420234	7.058709
4.012496	5.957091	9.153957	7.599968	6.57378	4.20694
0.739839	0.406771	1.107243	0.542172	0.545238	0.327505
4.209652	4.282887	3.6297	2.054041	3.391333	3.671267
0.895089	0.917263	1.900587	1.314368	1.549004	1.060159
1.08516	0.967467	1.259649	0.884714	1.215484	0.803837
4.248483	4.336513	4.628434	1.745461	3.140254	2.879156
61.218876	39.330883	48.344238	20.55616	50.710171	31.101057
6.051006	5.362491	4.263298	4.369754	4.778718	4.628145
18.461927	17.55157	26.129589	16.495259	24.591011	17.056389
0.527386	0.546807	0	0	0.080043	1.518294
22.88663	22.14864	26.670346	15.817185	22.571112	16.645084
0	0	0	0	0	0
0	0.018188	0.015393	0	0	0.043421
16.898285	14.425984	21.209715	10.972879	11.284631	17.48374
2.643535	2.202863	3.765453	2.090085	2.959612	3.050793
5.082416	4.381304	4.379515	2.528386	2.749255	3.911149
4.683432	3.491747	4.548908	2.866776	2.472494	3.474217
8.991274	8.730522	11.207305	6.320131	6.805043	14.806562
30.477946	27.990778	35.337409	26.615729	30.278655	30.571514
30.449615	27.556814	20.782248	16.050364	17.861559	26.075006
37.755394	37.345165	23.117186	16.709675	18.689516	34.739948
0	0.255399	0	0	0	0
10.818401	8.931414	9.541192	4.495406	7.044401	7.748296

11.179094	7.887549	9.036652	5.282267	6.410581	9.213625
68.079216	46.023524	45.04716	19.235663	29.234898	43.190337
45.031208	37.275967	28.655994	18.190598	20.801886	45.179344
50.476681	43.881245	33.492954	18.178411	26.441565	36.76091
23.690693	17.527246	14.44936	13.546709	15.987346	18.831902
15.141319	19.977575	17.939194	16.053154	27.143648	21.206293
19.786381	19.141602	20.558594	17.266657	20.265684	21.58844
28.958117	17.754951	19.060936	12.426176	16.351074	18.259228
0	0.052042	0	0	0	0.236778
6.275712	6.82107	8.751669	3.037571	6.276429	6.991265
6.124138	4.86251	6.319408	3.312137	4.490139	4.404071
98.269012	87.338409	95.081314	91.480362	70.21804	103.315628
36.811958	41.909054	39.083858	21.823698	31.188074	38.950233
0.187021	0.182753	0	0.228347	0.148829	0
3.403101	2.642515	4.410134	2.424661	3.476667	1.799551
3.027652	3.170024	4.772826	2.663689	3.434493	2.364941
11.516345	10.281136	10.586268	7.801304	10.767798	7.545171
13.84509	9.951153	11.401935	9.312046	9.981528	11.307936
14.291591	12.682466	18.415745	10.168198	12.17515	12.756791
4.838356	5.491436	7.59678	5.008169	6.157535	5.22904
1.892039	1.004698	1.097091	1.173742	1.611691	0.951943
18.695956	14.037974	16.993769	16.739475	17.77031	12.347602
14.008497	7.27331	16.904662	9.529112	16.340651	14.259564
0.840204	0	0	0	0	0
16.326479	15.060915	15.470322	9.657999	11.736874	19.048275
51.492168	53.306618	67.679916	43.879429	58.907894	60.478863
0.98554	0	0	0	0.103129	0
12.675216	8.514172	7.950343	5.202796	5.931308	11.435737
12.253498	12.184669	11.065712	8.159655	6.14902	17.207047
30.541696	26.548761	31.979957	14.940932	20.913576	34.595438
33.465286	26.53376	29.962008	22.656181	30.31687	26.135357
94.070847	134.974838	168.551971	155.566177	178.940491	165.094955
22.289843	21.18277	21.359592	15.547473	23.837117	31.718485
6.550293	2.744662	1.117127	1.109234	2.100798	3.301028
0.145397	0	0	0	0	0
23.712999	26.908215	18.95274	13.625016	17.828997	25.006973
7.215807	5.999869	12.579953	6.122459	7.405201	7.384946
1.595702	2.364781	2.929832	1.675402	1.346577	2.193807
25.70273	40.188175	64.033157	90.541611	108.697594	22.523279
42.74516	26.309836	7.504612	8.923	15.177104	6.412199
19.304316	16.689715	16.436085	9.931452	13.956354	12.411199
5.601967	2.423964	2.651993	0.738534	2.190893	1.633506
11.440377	14.358208	17.554588	9.889631	13.671648	12.937015
7.153947	5.108823	10.98974	5.061401	7.224032	7.053766
2.709894	2.789363	4.318315	1.820912	4.287867	3.440682
0	0	0	0	0	0
180.322281	202.657501	126.38842	114.549942	111.602905	249.272125
60.456657	62.086006	57.236927	47.961124	47.6315	74.434807
36.314175	38.591347	27.788132	23.698189	25.148994	45.163727

168.217468	145.040573	99.939995	111.600937	86.8582	171.687561
149.13736	162.688065	101.644814	88.497314	107.152924	158.706161
221.080414	280.969788	215.263794	261.348755	276.809387	254.59552
245.580322	283.871613	171.566757	158.538849	194.217361	323.270996
556.159912	598.903931	436.170654	400.384613	366.429169	523.921265
14.958912	35.232872	38.953945	37.152092	67.838181	4.247675
168.600174	142.402176	88.421829	80.9002	92.279747	153.810165
215.745575	281.35675	290.36972	345.613007	330.593201	284.419342
401.15774	517.621014	576.657239	619.112442	544.251813	516.728426
223.616745	214.23732	162.799973	128.679535	124.575516	242.099182
71.357819	75.703178	67.176216	58.849968	55.812187	88.445267
28.189764	33.869923	23.827137	25.0089	21.910536	34.515385
7.658911	8.645458	9.608822	6.664284	8.081446	11.181891
47.89225	43.609745	33.582249	36.350128	30.148777	45.105839
8.302318	9.659142	6.080296	5.412226	5.590015	6.462808
6.305745	4.596539	3.057205	2.599422	2.88734	6.090915
8.930016	8.668882	6.862722	8.048078	7.077384	8.344148
11.669201	12.275756	7.856928	12.07169	8.141227	11.869013
8.708283	11.511448	8.234184	7.696655	8.52489	7.974927
231.28064	271.197968	156.141663	176.18576	153.1026	281.072205
134.02916	161.524567	123.097588	140.717499	122.749771	172.31012
66.048027	88.045837	85.315804	74.21312	75.014587	100.505455
190.547806	182.816971	121.968163	123.150185	120.233681	216.948257
162.073608	179.022781	158.083115	161.256332	143.240494	211.751938
104.297173	97.615189	75.629631	84.299767	81.7313	120.595139
108.231415	123.702034	117.855011	118.286827	95.812553	160.509293
248.241257	265.04129	170.202408	182.052292	172.333771	262.315857
498.756897	519.930176	468.658752	440.576202	380.827179	611.237305
335.061432	438.850494	421.312653	459.7612	383.062988	483.468109
88.553314	102.132111	71.68438	69.735909	73.111931	127.846161
144.226257	151.280777	99.146919	100.837578	90.265312	132.926682
29.135764	26.450452	26.266307	20.911734	19.180596	30.769198
146.532288	159.63121	139.160461	120.393219	119.424019	187.105911
80.064774	79.331337	69.244698	56.35936	60.79081	86.22364
69.267769	63.924522	55.056053	65.473679	54.798347	76.056183
2.386986	2.406759	1.375392	1.396513	1.591623	1.709772
269.886694	302.032913	207.323487	197.414022	208.167372	293.942198
88.142136	95.398193	65.854935	61.357613	61.426849	103.409859
116.322202	133.148522	112.438939	103.980052	92.477441	143.143824
60.097061	64.649971	68.094696	49.144665	47.875668	73.774712
88.252742	106.759979	89.232599	80.242241	65.094574	85.143761
131.660711	157.929111	139.599551	143.014159	157.392448	169.711501
272.323017	332.472628	699.668222	637.438002	692.709296	161.529783
5.129938	0.023183	0.065884	0.009288	0.019903	0.019005
0.050673	0.455165	0.33315	0.102083	0.149868	0.417654
0	0.185366	0	0	0	0
4.708355	6.999884	8.693062	6.037371	5.99225	7.587692
0.946892	0.538157	2.001836	0.462614	1.277136	0.900411
21.369707	21.36216	20.14645	21.475824	23.749073	19.334843

46.796387	38.649666	36.600967	21.950153	33.22538	37.162254
6.081278	5.831603	7.039146	6.045309	5.755888	6.521986
85.523331	93.668953	132.665161	87.227791	105.60984	87.029678
2.59144	3.020388	2.923767	2.298264	2.403595	3.724829
176.072769	177.879654	110.496521	89.632195	109.030495	177.498978
13.474092	6.843022	17.534906	14.084917	20.911238	20.262678
0.03808	0	0.122841	0.113414	0	0.098484
0	0.065137	0	0.114402	0	0
0	0.117022	0	0	0	0
0	0	0	0	0	0.114043
4.272951	5.494191	8.697803	3.703479	5.803948	2.660006
0.618448	1.052333	0.286244	0.355617	0.612705	0.514793
3.790864	2.497072	6.235861	2.109068	2.750025	1.653891
2.258804	2.302104	2.968937	2.476934	2.929844	1.636584
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9.572308	8.767246	7.362371	3.714894	3.63126	13.554549
2.482558	1.957458	2.833583	1.526122	3.009804	3.230594
3.477925	3.643242	3.498345	2.797703	3.412077	2.849471
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31.714167	21.30509	19.79213	16.607494	15.691188	25.848206
22.458	24.523006	32.935936	27.032562	27.576712	23.187181
2.835582	2.784808	7.023265	2.639099	4.893887	1.981184
15.009742	13.909475	25.677805	13.598242	16.376848	14.438898
14.591998	15.339458	15.805428	10.712515	13.854512	13.402423
23.232247	24.177918	27.81714	15.398564	23.227939	24.599065
14.170524	12.749045	15.759094	9.205391	12.484235	14.842175
24.083289	31.720355	19.600047	16.535658	20.938581	28.980018
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21.427475	12.908022	19.334841	14.787285	15.647836	15.131164
183.064926	199.38826	178.046616	185.989731	186.973969	172.354584
11.118203	11.29464	13.041553	9.09644	7.862533	9.597836
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60.44632	83.772209	49.218811	57.793583	59.94696	70.20076
0.04981	0.107983	0.041576	0.212165	0.097609	0
31.516503	43.183902	57.484543	40.567191	40.433612	46.788809
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1.002783	0.67901	0.471379	0.390676	0.430037	1.039255
22.661549	20.648336	16.195742	12.141709	17.675436	20.400696
0.73843	0.112168	0	0	0.1284	0
0.74985	0.66138	1.055442	0.433033	0.947433	0.867312
0	0	0	0	0	0
6.251021	4.857185	2.41462	1.027202	2.009915	2.941732
1.037498	0.644812	0.749897	0.18464	0.366585	1.519735
8.197409	4.01355	10.259983	6.932806	8.323285	4.486639
17.09742	14.285906	7.825163	5.522795	6.464786	21.139641
8.832421	8.431116	11.228873	7.091381	9.324911	7.701848

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0	0	0	0	0	0
0	0.088186	0	0	0	0
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23.960756	7.404152	10.013661	9.014476	7.73159	11.716465
3.395728	4.129543	5.974595	4.173076	5.948215	3.535257
18.212277	16.856935	19.463428	11.720572	14.069912	18.70808
14.667642	11.066847	8.123786	3.319355	5.266907	2.822214
3.42859	1.209176	0.885498	0.326163	1.868387	0.431174
6.115968	7.366263	8.274729	5.638031	7.434355	4.563788
9.78107	8.093704	8.405976	2.257483	5.547833	3.767833
2.831517	1.513744	2.368802	0.961984	1.299316	1.005848
4.413656	3.005071	3.086803	1.688584	2.331958	3.275401
9.898249	8.628764	8.719546	6.116895	6.825754	9.432041
12.047118	5.041986	6.090109	3.768836	6.489834	3.099561
7.582856	7.927262	6.043653	2.274887	3.789789	10.782253
59.078209	62.405859	60.527172	51.299577	65.638666	59.995743
46.789089	37.252514	36.787445	29.870533	42.701572	46.050362
0.178868	0.177268	0.086722	0.089983	0	0
3.040192	2.136599	2.512173	1.143616	1.703164	0.894311
10.946955	9.878282	8.2959	6.259152	8.463287	3.076226
22.886953	21.104573	18.801049	10.016887	16.400257	15.11614
23.713324	36.46579	33.180008	33.085384	41.493065	22.556076
43.538614	41.326382	28.486647	20.43891	29.38674	28.860852
25.025566	22.191523	27.416857	16.559172	21.971775	20.65715
30.770063	27.937003	26.024109	21.077355	26.809816	25.929293
142.823395	142.281723	146.933701	164.229004	205.205246	111.540848
18.984224	16.656384	13.957548	13.428085	15.527352	22.236622
4.699813	1.309251	2.446386	0.928833	2.00211	3.007629
8.260018	6.766676	6.67447	3.090694	8.215082	7.627782
15.190731	16.756634	15.032125	10.045411	10.615915	14.731147
16.831949	11.166928	22.792856	17.343197	20.573099	8.72544
6.205372	5.331581	9.242974	5.578327	7.773073	5.34188
15.999243	19.98567	19.853582	10.727701	15.058636	19.490227
48.423793	47.377955	41.519255	37.890292	32.695425	49.215128
17.9098	16.925298	23.25504	18.01006	18.153709	16.364243
9.292267	5.839756	9.70905	5.266436	7.448382	6.27148
18.977011	14.680971	16.428014	9.976648	14.897288	15.67209
12.051805	11.019534	8.950698	9.225303	9.60684	9.470026
14.487629	13.541684	13.14327	7.847003	10.050722	14.339662
0.653255	0.536469	0.135515	0.186859	0.183293	0.414104
58.433033	58.845203	39.121918	43.786133	44.742802	60.063251
16.657434	25.026081	18.431223	8.00467	11.848937	10.240724
60.370656	58.171235	60.951942	37.883003	41.438726	84.337131
0.62277	0.753611	0.129548	0.156824	0.413814	0.152257
70.172907	94.748025	87.80066	98.449489	99.143064	98.988191

6.787779	5.315082	6.22629	3.876766	4.849065	5.384767
0	1.046301	0	0.375068	16.468191	1.024368
25.235043	28.596427	24.194843	19.004974	22.399243	29.381448
4.981003	2.374648	4.460195	3.05572	3.397872	5.916791
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0	0	0	0	0	0
0.65914	0.371584	0.120215	0.066527	0.195119	0.203456
5.722622	4.942529	5.882619	3.995952	5.494965	5.36479
4.568401	4.247144	8.157726	7.226251	7.326773	4.822536
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234.705719	227.776611	143.288635	137.147263	110.777046	246.464569
104.6726	95.36824	72.863869	70.206909	67.194183	110.507195
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1.617784	2.207393	3.66346	2.176044	3.133622	5.05386
0.667376	0.448362	0.41297	0.192016	0.273686	0.34074
5.484564	8.47325	9.780821	7.890647	8.485212	5.820925
21.547903	11.998363	8.470877	5.274199	11.637046	7.139212
4.767078	3.465199	3.539363	1.928774	3.68236	2.572263
12.996087	11.338918	10.742879	7.198716	7.735151	12.992077
47.031284	36.650322	28.136133	22.58671	20.667002	48.887676
0.572551	0.550198	0.529278	0.334013	0.320486	0.468998
6.134596	4.612674	9.754351	4.424231	5.449751	4.647131
112.681053	74.821861	71.549873	48.535709	86.538155	55.962135
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3.018165	3.271272	7.377944	3.945603	5.268542	2.957901
33.38691	29.574991	23.292841	20.891061	18.953948	39.638976
7.136091	5.88381	4.56952	3.953074	3.461109	5.409763
13.03301	9.906835	8.972519	7.596678	5.557994	7.561962
3.109281	1.850741	3.259534	1.584312	1.806493	6.069948
0	0.085188	0	0	0.058511	0.175528
1.323865	1.607811	1.139171	0.609234	1.094633	2.042422
0.092272	0.217297	0	0	0.248743	0.365975
9.350871	6.42776	9.572218	7.52643	9.31147	6.028679
11.850451	17.768888	16.752071	12.347689	9.897881	16.679258
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26.166449	27.302771	17.154718	16.521002	18.826147	30.09889
61.342743	65.609398	116.004791	69.726959	92.34388	48.352497
16.100315	20.396747	18.570614	16.330288	17.712429	22.090151
26.507334	38.121834	38.838821	42.71479	33.407337	39.6884
19.190041	21.389414	17.257635	13.202467	18.551083	21.520252
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2.442382	1.169828	0.847025	0	3.898064	0
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0.626877	0.4903	0.189535	0.209777	0.574927	0.178208
0.776037	1.745502	0.290818	0.261075	0.898537	0.676062
7.217141	5.467397	2.68436	0.871575	3.201152	2.315072
2.240062	0.86358	0	1.061214	1.717735	2.362662
3.923241	2.903545	2.263852	1.722466	1.747848	2.817771

13.616891	14.638321	18.620205	10.19234	12.895146	15.570361
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2.736255	1.993523	2.254379	1.011184	1.563272	2.615691
19.895409	15.642941	26.5569	17.36095	22.004919	13.454372
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10.330087	9.969756	14.874842	8.551004	9.804618	13.225177
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23.574482	21.420656	33.200722	22.414236	37.055779	15.695274
0.344777	0.050126	0.294121	0.078867	0.209795	0.080132
5.688038	5.017668	5.721	3.502794	4.324032	4.94602
9.973641	8.529706	12.127052	7.19945	7.801241	13.57603
1.353619	0.986693	3.062535	1.043191	1.851084	0.280374
1.539757	0.749861	0.513513	0.278079	0.456186	1.937785
3.84682	1.127408	0.832385	0.63379	1.183458	1.078443
0.104556	0	0.147145	0.051064	0.058243	0.069407
0	0.391014	0.241942	0.087899	0.222876	0
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0.214791	0.069156	0.091657	0.031755	0.109381	0
2.024817	1.004093	1.120585	0.40351	0.847593	1.060844
0	0.053609	0.219839	0	0.097252	0
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2.874156	3.153467	3.268905	1.138503	3.151371	0
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43.806679	39.14856	34.305992	36.096268	26.457224	50.867226
383.408142	339.102966	156.364548	163.262085	150.807449	370.19342
768.499451	931.404816	1064.639984	1190.080216	914.336899	1240.377685
24.861828	28.553534	23.139553	21.15856	21.983332	22.612856
27.720169	32.116955	45.134483	38.651142	36.622452	36.581074
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6.728569	6.536013	7.98795	5.601104	7.03481	6.331932
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5.734155	6.305617	5.962578	4.050462	3.126854	4.063114
1.068207	0.76768	0.997168	0.365532	0.869942	1.839378
2.520489	1.738652	3.923822	2.980177	3.485263	1.908846
11.431836	13.205369	14.142081	7.641087	7.689438	14.397818
8.387947	5.714462	8.639192	9.128227	9.20498	6.202195
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0	0	0	0	0	0
121.010887	85.197304	68.095284	65.955078	77.49749	89.523392
10.453431	11.416542	11.404729	9.030457	9.547892	6.3488
0	0	0	0	0	0
0.247954	0	0	0	0	0
0	0	0	0	0	0
2.435036	2.188898	2.998285	1.932185	2.075432	1.332662
11.771539	4.688909	4.817085	3.301798	7.725904	4.128397
10.063161	14.913032	18.216494	9.329511	9.024169	13.002488
17.463652	15.750422	16.213232	9.004316	10.996667	19.529594
38.488358	34.410862	43.567947	30.857866	32.029984	38.50827
0	0	0	0	0	0
55.665741	46.535145	57.517445	40.596565	47.73061	44.442951
8.651283	6.601422	6.911386	5.13446	5.043561	7.791357
24.87652	20.191929	19.337452	14.355076	14.701525	23.19964
8.601435	4.613217	3.437923	2.087996	4.339086	3.77337
1.355758	1.150228	0.722188	0.535018	0.402088	0.724966
0.180742	0	0	0	0	0
0.939103	0.033907	0.057393	0	0	0.134908
18.125349	18.747587	14.566584	12.873103	11.834955	25.661402
16.156693	7.799145	12.656748	9.411407	9.057487	14.658927
22.812048	23.981947	18.345453	13.544936	14.607143	25.385839
3.826728	1.809593	0.676955	0.501083	1.135971	0
0.30229	0.259052	0.285061	0.136181	0.1183	0.141076
1.893886	1.660227	1.378817	0.710868	1.391141	2.216957
14.261558	13.145887	13.333942	8.511514	10.460129	15.094337
29.547617	26.776842	23.373133	23.550533	19.517439	28.514328
6.014674	4.572978	4.912504	3.213277	3.333081	5.134798
12.169511	9.800412	12.930182	7.272736	8.216537	13.004665
41.023735	33.54248	24.474089	18.077622	19.456277	40.782551

15.030086	10.747885	13.12151	7.733311	10.091615	11.379129
30.603645	33.45734	24.358765	15.430112	21.708775	40.021946
82.379585	84.364348	98.986605	76.128685	78.053429	88.569062
160.001617	168.679504	116.630257	124.474045	115.816528	153.674438
24.89537	19.354919	23.726768	16.411552	16.855114	25.54777
43.988087	48.37986	32.595833	23.064329	24.649948	45.812649
39.547569	35.764347	33.002888	18.549295	21.442881	47.425114
122.695724	94.428864	120.543373	75.849319	68.056168	163.077805
99.913628	70.002876	50.096348	60.128384	41.09523	94.292099
12.221695	12.454638	8.356092	5.397453	7.233807	16.791025
0.075055	0.026888	0	0	0.015081	0
0.126469	0.607925	0.129863	0.197775	0.509575	0.156989
10.012362	4.611647	7.576287	23.693897	25.58287	0.940285
2.861197	1.693542	1.539578	1.078174	0.888498	1.417612
23.383806	19.400841	22.094073	9.69309	14.234204	19.226089
2.459875	2.300941	1.597989	1.262338	0.693349	5.086184
6.097412	6.657318	5.762009	3.399745	7.990447	5.778807
14.994709	18.259521	28.586285	16.769182	24.573378	18.821733
3.615014	1.011809	1.418384	0.425326	0.565207	0.327133
4.334063	1.965868	4.235773	1.852245	3.56223	1.973518
0	0	0	0	0	0
3.396514	18.334461	8.742024	8.80072	16.753336	2.546569
24.413239	6.861374	3.732025	2.901244	2.382164	9.009882
0.749819	0.120532	0.038976	0.043603	0.072043	0
0.637946	0.132123	0.410301	0.116179	0.291218	0.253388
0	0	0	0	0	0
0	0	0	0	0	0
0.645733	0.307406	0.7668	0.255934	0.263991	0.506812
0	0	0	0	0	0
1.170052	0.804853	1.653396	1.013905	1.170122	1.883065
0.636611	0.092308	0	0	0.209923	0.367271
0.159239	0	0.327591	0.131346	0.192961	0
1.19432	0.770806	0.471147	0.177196	0.438084	1.759555
0.074298	0.099765	0.080808	0.03842	0.076136	0
0.710993	0	0.117817	0	0.386698	0.09495
2.391149	2.132831	3.462534	2.734847	3.04981	2.023054
1.070676	0.347746	2.608049	0.498136	1.167479	1.036543
0	0	0	0	0	0
15.623296	12.404026	16.210281	10.020211	14.785481	14.639495
0.25763	0.057028	0	0	0.130563	34.926392
280.19043	326.298187	331.708771	325.000488	396.00412	269.128204
0	0	2.247034	0	0	0
53.639545	53.099548	62.083466	36.633678	48.127953	47.658531
42.029926	32.296867	53.256168	30.446747	31.390959	37.490555
39.463329	33.24625	39.031116	35.555214	48.233391	26.779003
5.262677	4.511902	5.494931	1.336245	4.225864	1.855594
0	0	0	0	0	0
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7.327279	7.4115	10.019897	5.73693	6.899368	8.912671

1.436958	1.396486	2.991248	1.421459	2.882589	1.158944
0.151171	0.129613	0.076787	0	0.231031	0
0	0	0	0	0	0
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0.097823	0.041937	0.035492	0	0	0
57.807514	24.077486	30.351784	13.960263	24.329388	41.48494
9.245012	8.199598	9.082188	11.216859	15.030561	9.419096
759.477768	715.316971	806.015762	1172.160248	707.411217	877.634964
0.910784	0.581316	2.29912	0.597999	1.50759	0
184.37851	163.559723	115.748116	111.256058	99.53421	181.489944
26.945866	22.267712	14.795212	18.383629	13.034127	22.680002
17.327137	30.979247	21.815287	17.417124	29.33872	24.693253
0.161544	0	0.440883	0	0	0
5.618748	3.079617	0.210921	0	0	3.145625
0.650671	0.594571	0.158089	0	0	0.646989
2.576805	1.603382	1.758162	0.644771	1.616523	0.799232
6.005306	6.621167	12.566122	7.368185	8.400686	4.54548
2.527507	2.692598	2.599651	3.557674	5.509012	4.268581
12.327802	15.223447	13.717332	12.884459	13.541991	13.681481
9.572732	9.196848	19.619658	8.331092	9.375614	10.332792
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72.598964	61.339661	54.216702	42.482567	53.446449	65.426174
19.788752	34.156105	47.442318	41.848583	55.45047	32.814171
0.683711	0.187682	0.084332	0	0.058487	0.821552
3.873089	5.570576	3.022172	2.340116	2.756098	4.976362
0.239511	0	0	0	0	0
0.12041	0	0	0	0	0
3.2542	1.664507	0.566728	1.96389	5.323772	0
0.07263	0	0	0	0.046971	0.155214
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0.476104	0.342456	0	0	0	0.245259
0.13139	0	0	0	0	0.358573
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5.120473	6.757954	7.261102	6.926219	5.364516	7.271347
8.344763	7.630185	6.818352	4.576573	4.232452	9.260808
0	0	0	0	0	0
0.678051	0.910116	0	0	0.265127	0.186159
12.450418	12.74961	10.577755	9.007897	11.515128	13.037244
10.314483	6.576011	6.962819	6.454892	7.656824	7.961791
25.005933	24.028554	38.651776	26.823378	35.228901	24.932319
4.683646	5.824455	2.783559	0.931546	1.754793	5.072853
0.207413	3.712856	0.46455	0.278871	1.361905	2.36489
0	0.151249	0	0	0	0
0.477752	1.700023	0.545438	0.300353	0.553617	3.050363
0.257774	1.327954	0.08336	0.918026	0.290659	2.675936
4.112138	4.078287	3.791243	3.695206	4.265884	4.192596
1.931843	4.113873	7.379664	4.126156	5.135219	1.368197
31.741379	28.373399	23.593088	15.022568	20.777339	34.574848

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13.110528	21.526182	24.605656	20.350695	25.748106	13.844563
10.761844	17.061175	16.006856	8.177305	14.762554	9.193378
26.105267	33.921322	22.203169	13.24749	21.527592	27.677584
11.633627	9.569165	9.555402	8.540029	10.027022	7.795813
0.092741	0.142872	0	0	0.030422	0.265447
16.581436	10.8626	10.820975	8.350525	10.248367	8.081095
1.247074	1.32013	2.652928	1.211874	1.85704	1.120575
0.63857	0.407391	0.061404	0.082029	0.280951	0.185744
0.05124	0	0.056147	0	0	0
0.142755	0.584888	0.124938	0.183517	0.34038	0.125465
2.275617	2.648853	3.507858	2.639609	2.857287	1.692752
54.481693	42.118164	51.021042	44.411366	45.600204	58.584225
8.4961	0.023689	0.242727	0	0.11769	0.103051
4.350951	1.849542	1.870052	0.911129	1.798134	2.533521
38.533836	29.361942	35.794506	30.633444	27.46867	29.797491
11.278441	11.296738	8.7912	8.19467	8.806833	9.374945
52.646519	50.160187	50.575447	41.344025	49.75861	53.23315
6.198838	5.711318	11.932531	6.420391	10.814656	4.5905
1.114544	1.649934	0.339145	0.533162	0.255367	0.803524
33.212955	27.69767	32.032711	25.954723	28.316561	27.134644
6.019723	5.585164	11.002685	6.129365	7.330929	6.712712
26.266259	28.25882	18.021546	14.04995	27.122107	28.508318
11.121872	11.961229	11.950021	9.146691	9.900933	8.55187
4.568925	3.477367	2.414992	3.039017	2.930888	2.978248
0.080217	0	0.154356	0	0.28856	0
0	0	0	0	0	0
0	0	0	0	0	0
0.721056	0.998336	2.193132	0.34146	1.150762	1.443507
2.726833	1.365694	1.934897	3.445676	4.50179	0.918723
4.088263	6.302335	9.180865	8.235016	9.729285	5.594337
0.120267	0.239687	0.762515	0.184642	0.431759	0
0.075109	0	0.056381	0	0.105492	0
0	0	0	0	0	0
0	0	0	0	0	0
11.178202	11.764302	16.479633	7.735547	10.293897	10.800228
21.020668	57.174866	72.717758	48.566807	73.952759	26.489044
0.56002	0.506989	0.437425	0.494691	0.560734	0
0	0	0	0	0	0
15.201344	8.355103	5.151711	10.19709	9.320663	6.672929
17.826574	13.336658	9.338082	5.943933	9.709022	11.127526
35.252308	43.435067	47.936116	41.132548	46.42957	45.590188
30.801058	19.782692	13.47953	5.122806	8.426092	13.793223
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0.516136	0.127409	0.161744	0	0.436566	0.961133
0	0.122553	0	0	0.096387	0
0.190517	0.140385	0.087689	0.045372	0.200577	0.051449

0.018938	0.032804	0	0	0	0
47.781593	47.009541	55.518272	67.08181	62.097374	41.990788
9.170888	6.452444	9.711366	5.948421	6.543092	5.955133
4.82737	6.58627	7.165649	3.562785	4.612575	6.780124
15.675242	10.676072	11.886484	5.316498	8.266796	12.3941
63.162714	55.985384	49.003555	35.784544	39.647229	50.700953
2.5386	0.947695	0.306186	0	0.468982	1.592916
0.096835	0	0	0	0	0
5.579861	4.81173	5.057967	2.912961	2.936756	6.006043
6.670151	5.188658	8.050408	5.119246	6.004626	4.901277
56.73233	57.033321	56.717354	56.618252	55.266766	59.294628
28.386684	29.353204	26.978918	30.258609	23.157542	39.039544
40.773907	40.639591	36.253807	34.577911	35.404064	41.663269
16.384351	21.171244	26.682547	19.131538	25.091644	11.262722
32.102161	32.542099	35.990131	25.825781	26.907961	39.246613
0.951915	0.768067	1.970317	0.680548	0.635931	1.113684
4.674978	3.866475	4.067832	2.617285	2.980897	3.859587
8.132802	7.502131	8.904812	7.47596	7.327816	5.680243
1.644189	1.295673	2.226765	2.118984	2.177136	1.11768
0.188121	0	0.06076	0.04203	0.082182	0
108.033363	96.920662	86.129311	66.128151	66.114708	106.450394
0	0	0	0	0	0
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6.594662	3.904945	7.170248	4.333423	4.985084	4.153277
26.126646	19.831242	17.564314	14.191002	16.739286	24.18046
29.995053	39.749495	44.54706	28.888713	38.152869	45.690426
2.475619	2.07391	2.84573	2.059927	1.614326	2.202656
59.565144	58.377491	57.074696	30.9841	45.074043	61.629818
6.824965	5.965894	7.425267	5.665749	5.930264	5.07585
24.520128	22.340565	22.642742	22.864401	29.686213	45.032227
15.509056	16.37981	15.768813	10.302686	12.370937	15.929523
46.566154	47.477077	60.460762	52.783798	54.988106	58.488609
0	0.727754	0	0	0.313447	0
0.806424	0.661321	0.445208	0.155488	0.455532	0.44805
6.344389	9.74321	9.396746	8.081852	10.00013	8.82045
0	0	0	0	0.123784	0
30.388123	24.566195	29.833447	20.786356	25.203512	32.605183
6.651897	12.117384	10.383101	8.120591	14.455493	11.917672
0.322715	0.304185	0.555504	0.126061	0	0.453626
1.901133	2.536798	1.782218	1.295927	1.810706	1.159775
0.523974	1.184163	0.724514	0.750305	2.224229	2.272025
0	0	0	0	0	0
2.165371	1.720855	1.762912	1.144112	1.207092	1.347503
29.50502	23.802492	26.637304	19.711416	19.765106	26.822519
0.334997	0.433683	1.599834	0.469016	3.000924	0
0.120402	0.700212	0.025231	0.021709	0.220411	0
0.098647	0.085033	0	0	0.075082	0.188741
1.791575	2.491897	0.420672	1.336434	0.756962	4.988391
0.096014	0	0	0	0	0

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6.230595	4.114349	3.744526	2.415478	4.337683	3.968425
12.280622	10.947657	11.158806	4.850016	8.441525	17.521145
20.482149	22.84412	26.18728	22.277692	26.4126	17.302958
19.718752	17.700914	17.39451	12.881333	12.89503	24.000309
21.068436	22.093147	19.2237	11.218596	13.396064	27.657219
6.767098	5.93898	7.070109	6.230278	5.748749	6.00772
83.665001	48.68642	42.998135	53.882877	44.28458	96.547462
23.792389	21.368116	18.472454	17.496637	22.628326	24.729826
29.106996	23.587598	18.005701	14.639862	13.427644	24.340648
105.273621	112.985237	76.784874	61.207645	66.501556	114.42627
4.531123	3.832535	4.180156	3.359415	2.856436	4.60634
49.560366	40.621121	45.637252	39.970933	35.064385	57.510595
24.19812	21.62067	21.825825	15.073505	19.12307	19.786037
11.142312	18.878502	14.063007	11.28149	10.240134	17.903879
0	0	0	0	0	0
0	0	0	0	0	0
0.765422	1.517332	1.41951	0.991087	0.815381	0.649407
4.257859	4.751935	6.405095	4.309675	4.728531	4.825747
23.225019	23.505869	20.65048	20.771677	28.023888	19.945633
0.279998	0.303498	0.339021	0.073598	0.129003	0.206741
14.47228	14.295039	10.977843	9.41279	10.872017	11.363695
31.868195	31.813379	28.891392	26.307238	28.45669	37.102287
0.754779	0.920814	0.95998	0.726507	1.336403	0.223682
4.441075	5.408092	2.852535	1.736669	3.507313	3.965409
16.069679	15.637915	9.086864	8.161549	8.154544	15.192801
30.670031	35.710918	31.943823	29.437832	29.826059	39.913212
34.177891	35.917339	29.254387	35.042042	27.045923	37.250156
9.932629	11.596087	10.679091	7.791012	8.458189	10.776631
69.610185	64.107994	48.908841	41.712871	42.745959	54.238635
54.534378	60.94743	61.697327	65.067612	86.374611	83.330467
23.414293	24.176758	18.632956	19.425774	18.499603	31.785574
8.216625	7.603684	13.972551	5.172603	6.899086	6.192575
11.16442	18.98435	8.659347	5.222474	6.628896	8.649336
17.331814	21.832535	25.739845	22.599287	18.573523	23.316595
54.005985	70.666443	70.66198	62.716579	86.598053	62.805492
13.894387	9.801857	8.616534	5.448986	6.578891	15.574125
8.359056	7.938604	8.486216	10.277575	8.935395	11.080053
8.60561	4.98217	8.710877	6.051898	6.550779	6.815779
0	0.381636	0.107472	0	0	0
23.30278	21.77029	26.779032	18.265598	20.886969	19.165924
2.620356	1.786083	4.976451	1.218616	11.036971	9.38815
15.781352	12.582385	17.792149	10.224589	19.005571	7.600874
13.078825	12.830348	15.749802	10.055358	10.452088	15.203354
6.941998	7.262874	7.666847	5.739597	6.049801	8.742038
10.127689	8.273903	8.073188	7.263895	7.314928	8.083742
10.713616	10.311934	15.865822	9.966284	10.161985	11.418069
3.529069	3.735545	4.827105	3.550346	4.218596	5.102173
10.655417	11.3739	13.906468	9.115999	11.429947	10.719892

13.212023	11.563379	11.400194	10.686488	9.788232	13.713117
1.595302	1.872547	2.26914	1.853069	1.087847	1.490431
0.783512	0.705365	0.69488	0.040296	0.24627	0.263751
4.975811	3.968567	5.559407	2.742328	4.29798	4.817462
8.99668	6.853123	6.260004	5.804514	6.278588	10.869688
25.355346	22.997789	22.714499	25.704115	16.523115	29.375597
22.086157	19.264511	16.930674	17.997982	13.142767	24.157818
15.428076	13.530162	12.855984	9.798159	12.6287	15.198039
10.550838	9.646678	15.910701	13.304049	12.401825	12.859847
26.510427	25.829683	23.661791	17.81201	18.727997	27.618799
1.674677	0.969483	1.36303	1.045915	1.259681	0.451155
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49.437515	42.512264	40.695507	30.795757	31.045126	46.120808
37.809566	28.073351	30.17249	24.415086	29.531388	28.450612
29.972944	27.595451	25.873032	18.482273	20.105062	35.986023
9.615591	8.978554	10.083075	6.346475	8.511347	11.397529
13.943142	11.176349	13.992337	9.373113	10.559137	13.368236
3.126578	1.837464	3.738798	1.611242	2.489413	3.106765
147.332428	155.939194	87.601578	101.825966	112.204781	98.989799
0.605166	0	0	1.324779	0.219468	0
20.150078	13.889502	14.240876	11.795748	14.286812	18.27948
6.276781	7.9599	10.905521	6.449584	6.057246	8.922606
10.276456	8.388949	9.205577	7.074533	6.512277	8.17494
77.321579	80.649826	62.267605	50.635059	50.638115	86.483673
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1.582626	1.365953	2.055373	1.333426	1.546767	1.862933
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39.277939	31.770467	32.293435	20.301312	25.282648	44.878269
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25.998125	9.310707	1.997998	1.744794	2.594417	16.13386
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43.641819	41.551018	32.674297	25.5648	33.713161	42.568253
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37.976082	25.740921	13.464783	11.985931	25.680033	29.523064
102.456024	69.933846	40.249031	24.649446	61.372818	37.78511
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5.592019	6.438477	4.55322	7.243695	3.749768	6.269358
7.575041	7.763764	8.67726	5.838663	7.306171	7.390339
45.044636	33.993103	28.125023	24.149754	26.161622	41.415421
22.203541	295.002686	56.448135	100.608788	191.784927	9.771512
10.414713	120.881996	20.994141	42.157413	70.881783	3.307459
0	4.102359	0.611721	0.95687	1.541323	0
11.352735	11.905103	11.55303	11.834194	10.315269	11.264318
8.77276	12.307067	7.553049	9.83864	6.997491	11.715932
34.190563	35.021751	26.05444	24.991785	34.585838	37.711281
22.424733	25.059972	27.088052	31.048611	41.649178	42.711119
15.817741	12.698565	14.044216	9.314212	13.39716	15.125341
0.704493	0.315587	0.477689	0.459414	0.488474	0.706975
1.249242	1.32885	0.666136	0.282615	0.848021	2.664601
9.58078	5.844718	8.658854	4.570376	6.6142	7.20278
4.59785	4.075602	6.523498	3.088271	4.506125	4.703525
10.666894	11.506037	12.751174	7.774974	10.464704	12.583105
7.600338	9.345069	13.491513	8.972834	9.079285	9.954826
8.78479	5.88727	6.84062	4.622691	6.241474	6.030353
0.930241	1.54653	1.640497	1.230456	1.708746	1.608596
4.723	4.572104	6.053543	3.472871	4.699716	4.431066
4.211882	3.371347	4.454324	3.996458	4.643923	2.360262
34.467951	27.287956	34.411564	27.470704	29.489269	29.194046
0.328479	0.105495	0.058991	0	0.801667	0
1.216894	2.447783	3.064611	1.629187	2.058211	2.039323
19.972506	15.320114	16.118715	12.833623	16.92342	17.996696
30.883465	27.301386	21.778219	19.901592	22.847128	27.857285
2.520767	1.948494	3.619377	3.153982	3.538029	2.947489

4.899975	11.232645	5.425665	5.375539	11.983733	9.050184
3.934349	3.190759	2.922967	3.882472	2.520685	2.354635
15.339934	12.081087	13.266076	19.706472	12.062801	11.868115
15.682183	11.196215	11.955417	8.792271	13.73957	7.543296
21.767775	26.667879	40.435886	30.811323	34.067116	21.691406
0.210987	0	0	0	0	3.757679
251.608696	265.486305	169.697082	166.20269	208.356907	233.028156
216.043472	224.123016	147.276489	137.254684	164.800705	200.684799
143.605515	149.402451	126.931938	143.158356	143.08963	147.240616
15.797573	9.105939	8.641226	5.300428	7.43772	10.655063
0	0	0	0	0	0
0.702927	2.083498	0	0	0	3.015509
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0	0.025488	0	0	0	0
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0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0.054684	0	0.010957	0	0
72.886475	74.073029	71.459396	60.964481	63.827103	76.297447
2.042532	3.03944	4.129124	1.91262	3.047192	3.680767
7.020821	3.182274	3.150083	2.085117	2.583628	2.554177
4.592692	4.129729	3.435635	3.234304	4.259218	4.260896
14.946126	12.137397	20.097494	12.068637	9.276163	8.739552
21.920046	21.917199	25.1597	17.974278	22.060164	20.407766
0.261199	0.223949	0.180269	0	0.170905	0
11.379629	7.82698	6.79167	4.131627	4.879887	10.300282
0	0	0	0	0	0
7.46528	11.031762	12.365387	9.222333	12.168055	6.635743
29.478558	24.646446	16.935869	12.697185	16.010263	22.165825
0.107623	0.181475	0.116883	0.242739	0.264424	0
0	0	0	0	0	0
0	0	0	0	0	0
7.398864	9.494356	9.133179	4.142606	7.848566	9.765802
0	0	0	0	0	0
1.844783	1.199132	3.439716	2.012668	2.183371	0.903676
0.524198	0.267569	0.302781	0	0.32584	1.356901
0	0	0	0	0	0.419473
0	0	0	0	0	0
20.810114	23.052057	22.397167	15.046019	17.925449	24.44754
33.695637	22.202473	20.397461	16.383678	18.15118	37.72863
0	0.018053	0	0	0.061995	0.057461
0	0.018588	0.062926	0	0.063834	0

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7.285585	7.470599	11.169869	9.999552	10.596317	10.184782
8.911937	8.31967	8.40607	4.174756	5.495294	9.382005
11.602957	11.717553	14.127305	13.94266	14.11196	10.390788
2.385066	2.261356	2.791452	1.164929	1.207815	1.98902
21.217676	17.903365	25.210041	16.955238	16.26981	11.668815
0	0	0	0	0	0
0	0	0	0	0	0
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0	0.23772	0	0	0	0
0.211398	0.170674	0.262567	0.307895	0	0.091258
46.087601	36.729141	26.81304	18.596786	28.142754	30.869028
1.58706	0.312554	0.247489	0.200103	0.151602	0.911031
0.647123	0.080744	0.211591	0	0	0
7.531455	4.438994	7.167092	4.688221	6.098662	12.120999
0.516473	0.329059	0.286501	0.078283	0.11422	1.222582
0.563188	0.343058	0.366918	0.322823	0.430485	0.229301
2.746894	1.320854	2.932154	1.07355	1.532849	2.594854
8.046222	3.624066	2.786126	1.11529	1.370724	5.410051
8.911927	5.675732	2.789548	2.638664	2.439208	6.005576
2.665416	2.781941	3.229276	3.056793	4.835271	3.444247
0	0.0194	0	0	0.022433	0
42.233463	23.500828	17.771914	8.063952	12.497472	23.943161
24.32917	20.942612	17.305838	9.598225	22.214837	17.65417
0.165641	0.260522	0.622377	0.190081	0.979116	0
27.026239	22.572086	23.843885	12.819977	27.397781	13.427498
29.52578	32.375439	31.442476	19.658937	35.490631	30.215227
54.398964	90.114784	76.840019	98.440079	115.093376	48.886761
49.362366	81.362991	67.297069	82.43338	123.153088	58.004616
12.670066	9.999248	20.254885	5.938284	10.309023	6.413105
588.888733	735.713562	610.707153	651.267151	791.00885	790.753906
0.536961	0.477291	0.697205	0.290048	0.614938	0.227299
76.884949	65.376694	55.761845	44.621281	42.431999	96.017517
500.936249	469.345947	519.472595	404.058807	492.342926	453.363739
0.265147	0.221609	0.34119	0.291028	0.201248	0
0	0.025201	0	0	0	0
46.177124	48.652568	52.518733	49.992109	49.305489	49.132122
0.114785	0.033805	0	0	0.042127	0
0	0	0	0	0	0
0	0	0	0	0	0
225.807144	185.645416	161.329727	121.805832	139.83989	150.258942
0	0.170898	0	0	0	0
1.397889	4.864477	2.213791	2.007798	0.599739	1.864104
5.940871	5.50556	7.670436	5.289305	7.00822	7.033505
8.887336	10.052858	15.123919	10.014235	12.640253	7.787464
12.111034	10.604065	13.240716	6.833687	10.859815	4.224106
0.250909	0.184746	0.051945	0	0.119605	0.282591
26.814098	27.275656	30.389473	12.996017	21.6629	30.397701
17.780181	14.758782	19.830338	11.354663	12.925437	10.356902

0.301122	0.324574	0.144691	0	0.059056	0
3.393718	12.431305	11.742366	11.235549	15.270335	6.012899
0.208768	0.224878	0.142381	0	0.266066	0.118096
1.120938	1.629561	2.888716	1.191608	2.993809	0.332629
0	0	0	0	0	0
38.951172	35.258369	41.647671	28.590231	32.080055	34.488346
27.85647	25.289616	25.205518	21.390329	22.556696	25.258846
24.843523	22.801821	22.871971	18.597502	21.301464	23.77582
29.28174	38.668098	67.837029	73.8713	72.735626	42.989029
3.434384	5.094507	4.637917	3.116234	3.380406	4.400449
2.597666	2.101084	3.204548	1.392528	2.073708	0.192856
33.232857	27.19079	22.370247	13.210537	24.079916	25.1201
3.108452	14.010028	0.359978	0.692677	0.52031	0
65.21273	83.117958	100.142998	102.101135	85.641136	77.054749
14.473675	14.195949	12.190778	13.786489	13.115513	12.606218
77.23008	82.433655	86.925636	123.221474	98.753258	68.818069
7.244162	7.876342	10.710608	8.303683	7.783662	12.469164
17.22204	16.419281	18.240425	13.159747	16.275942	20.880911
52.579773	49.311047	40.700661	43.4389	37.005962	53.24548
20.857738	17.015682	16.228443	13.239325	13.784018	21.023483
1.160364	0.558709	1.506373	0.746765	0.843092	0.779484
9.548048	10.189914	7.805922	5.892681	6.082493	8.205046
0.308666	0.928364	0.211536	0.165757	0.196434	0.488209
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2.980955	0	3.637792	0.401018	0.336192	1.300441
1.930061	1.164821	2.445245	1.586851	1.905742	2.337281
16.320948	14.634271	10.290056	4.930341	6.50097	14.95577
81.201694	61.969667	54.240395	39.878333	51.008186	50.977953
20.032678	24.845285	35.964798	19.49807	25.357369	21.610671
0.330933	0.09511	0	0.037246	0.097587	0
0.431617	0.133053	0.066964	0	0.116882	0
3.193055	3.79269	1.80286	1.405001	1.643659	0.43035
32.39473	43.382729	49.20755	30.390764	40.951096	35.229923
60.641815	67.592659	56.539013	66.789024	66.463676	63.997196
3.341476	2.774832	0.173156	1.051993	1.140004	0.46783
7.333521	6.819731	14.239264	8.564348	10.966726	5.237851
12.857573	10.233977	16.13662	9.455896	13.07666	7.909302
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1.415432	1.816776	1.018784	0.99428	0.927915	0.775153
15.013652	12.493237	15.952892	10.38384	11.871506	9.971966
4.968935	3.349102	5.939195	3.287223	4.189437	5.022742
10.791883	8.913401	16.742899	11.783864	13.451947	8.512499
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15.114826	11.755597	4.88623	4.030433	4.917751	10.255766
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14.785471	12.584139	13.241386	8.644217	11.741644	12.214994
10.420471	7.117164	9.109556	9.715142	7.866027	11.00688

11.251863	4.870173	6.755033	4.465311	5.912802	6.02101
10.686204	9.859138	9.981446	5.528844	8.04699	9.978271
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34.492172	29.774637	30.981558	23.51	25.267912	33.490314
0.097572	0.041271	0.0236	0.12451	0.151095	0.088169
2.582908	2.393003	3.22723	2.173148	2.793219	2.645838
3.622714	0.745363	0.201606	0.096879	0.240979	0.597266
0.070593	0.049494	0	0	0.017379	0.044217
21.205837	26.250086	22.605519	18.520866	22.118134	29.255716
4.504545	2.180639	1.767428	0.689571	2.230348	4.532546
1.142002	0.57721	1.247731	0.221349	0.592195	0
6.189591	4.826906	4.196735	2.579862	4.327394	8.494837
0.065151	0.093099	0	0.060266	0	0
0.091028	0.227204	0	0	0	0.175139
4.872148	5.094049	4.247254	2.396352	4.575686	1.887233
0.806634	0.707327	0.224279	0.120846	0.506562	1.109133
0.592242	8.357878	0.286183	0.892059	0.933826	0.510262
5.361822	9.374014	9.273433	5.723228	7.335808	6.732969
0.825361	0.493273	0.137755	0.05395	0.176722	0.578816
4.629331	5.402525	5.500703	5.084375	5.43699	6.094255
0.530429	0.774593	0.646475	0.224196	0.524697	1.992975
1.373302	0.877494	0.278903	0.212353	0.569017	0.882185
6.127569	5.71342	5.354916	4.549164	4.733557	6.147983
0.183947	0.101795	0	0	0.069916	0
157.202728	155.586441	123.756065	116.888878	112.516808	144.973724
81.093307	56.078117	51.51675	41.578926	36.977386	78.678429
0.976217	0.343818	0.236668	0.182988	0.214677	0.832723
10.671264	13.460679	19.056978	16.718973	14.658545	12.617387
26.302164	28.117598	26.347021	16.041031	16.975889	28.72974
11.879776	9.45376	8.662765	7.193768	9.543005	8.975632
5.469886	3.509528	3.891019	2.874454	3.021501	3.093508
11.179973	4.534873	3.071862	1.293752	2.775396	8.369112
8.463649	3.307396	2.015826	1.200377	2.070689	5.792967
5.486429	6.427657	7.473925	4.852694	6.438323	6.336097
16.738943	14.605987	18.513672	14.928339	15.327282	15.790783
21.059992	16.073275	26.142357	10.636291	14.73458	14.238379
4.056714	2.939499	3.97228	2.369706	3.859796	3.234262
10.050943	8.78817	14.752848	13.195876	15.02945	6.136379
7.551999	3.413698	4.087386	2.871363	5.447822	1.841251
13.268414	7.413218	5.222903	5.26749	6.443788	10.527712
2.124305	1.95328	4.168807	1.921241	1.935604	3.308585
1.698038	2.108558	2.682038	1.274563	2.061676	2.090213
2.650424	2.215757	2.925488	1.730278	3.490581	1.95832
26.174129	23.269289	24.554674	16.959272	20.391651	21.249456
25.156832	26.15871	31.760271	20.149889	24.374676	20.679258
16.457586	11.478805	11.862033	5.858068	6.255002	11.958543
1.736529	2.743718	5.705317	3.355498	3.482418	2.757014
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2.95442	4.177774	1.759443	2.649842	2.545132	3.465564
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2.324124	4.345801	5.919464	4.364528	5.117108	2.818713
16.860159	16.386889	29.649548	20.433817	26.098827	11.781564
6.275688	5.251253	6.765134	3.537308	4.900793	4.725488
26.407404	23.677747	18.447644	16.915106	19.812437	23.278394
21.582314	14.594594	10.816543	7.781833	6.860572	24.062071
0.819811	2.326247	0.236099	0.228827	1.016223	1.024517
0.876733	1.627218	0.588731	0.468443	0.264526	8.839033
1.085264	1.102066	1.032249	0.721749	0.52347	0.781183
11.619911	8.456357	10.124238	7.245123	8.069923	7.685138
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12.914045	8.43765	13.353439	5.962345	8.284568	7.737067
23.173689	25.167456	26.823099	17.008366	24.934965	22.764975
5.546257	4.427623	4.815327	2.577661	4.810058	3.114911
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34.472706	26.714413	28.911985	17.086138	27.12216	27.791105
14.58161	42.756969	18.698061	19.233095	13.379659	20.535688
34.339458	41.436203	25.038532	22.398027	30.545147	29.599319
152.23378	172.623489	158.14328	117.003593	144.83252	176.508301
145.852189	144.745417	155.135607	146.873637	152.502962	165.352908
2.098749	2.858061	3.08564	1.584828	2.773691	1.612744
35.71246	43.175873	48.881203	29.374475	35.296665	38.249519
5.939959	4.884279	7.920143	4.207241	5.372629	7.126197
15.239141	15.908779	11.969064	7.146534	11.112008	18.52092
10.049317	14.987489	14.649146	10.253411	13.266191	15.585414
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1.089298	0.53221	0.35447	0.245658	0.680028	0.603083
0	0.028568	0.018133	0	0	0
0.259517	0.099969	0.034647	0.07051	0.077825	0.184551
5.826264	5.937449	9.551842	5.412496	9.469971	6.225245
2.800228	2.845904	0.775404	1.909914	2.70994	0.775095
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0	0	0	0	0	0
0	0	0	0	0	0
0.09813	0	0	0.056106	0.027151	0
0	0	0	0	0	0
0.227411	0.068816	0.239438	0.161153	0.086828	0.263218
0.120829	0.246615	0.263983	0.102023	0.268135	0.028691
0.162506	0.134177	0.532521	0.251503	0.241455	0.152009
0.116356	0.019725	0.104545	0.020663	0.120933	0.210449
0.753259	0.806202	0.954327	0.992556	0.883573	0.617235
0.29914	0.55835	0.586213	0.505067	0.523492	0.111325
0.661596	0.872304	2.231868	1.382433	2.047097	1.041503
2.019566	2.701857	4.769063	4.092682	4.471914	3.162056
0.665209	0.370889	0.747437	0.642471	0.986874	0.386616
0.470607	0.202915	0.866934	0.637988	0.676993	0.471282
0.027391	0.046969	0.37015	0.305775	0.147857	0.087957
0.864922	1.400814	3.210276	2.088375	2.557664	0.906534
0.253487	0.625367	1.197776	0.560291	0.784514	0.476773
1.742396	2.459023	3.089173	1.841099	2.466841	1.240526
0.382085	0.360206	0.298874	0.321048	0.245625	0.181854
0.061314	0.154907	0.092148	0.123655	0.160474	0
0.908989	0.621257	1.465591	1.483422	1.408156	1.205093
0.049165	0.11166	0.087208	0.263238	0.099285	0.059037
0.676261	0.560364	1.1272	0.932437	1.048007	0.573906
0.032482	0.023765	0.215277	0	0.063761	0
0.428436	0.524483	0.749861	0.485895	0.703107	0.304645
0.287621	0.388012	0.121468	0.284954	0.238661	0.162529
3.609994	0.166491	3.166338	8.475997	0.319393	0.175683
0.096765	2.502002	1.370826	0.113118	0.142036	0.121037
0.458789	2.439658	0.280751	0.224757	1.480863	0.112042
3.086422	0	0.096841	0	0.102381	0
2.33086	2.818224	3.432858	3.032571	3.623286	0.801239
0.150431	0.086241	0.177005	0.081456	0.049361	0.046467
0.380902	5.729027	4.587143	9.217918	1.797103	8.078227
5.086239	3.816273	0.132912	0.266936	0.818034	0.137342
2.52461	0.217771	1.475913	0.212916	0.336244	1.918975
0.175416	0.041343	0.034989	0.028763	0.647767	0

0.308093	0.069079	0.035078	0.128331	0.126521	0.065378
0.064439	0.018111	0.079704	0.101786	0.077453	0.03513
0.284198	2.468497	0.938464	0.179297	2.594808	0.12181
0.460725	0.199323	0.171139	0.059614	0.792156	0.051704
8.635127	5.939199	4.306052	0.807261	3.524488	14.485616
0.253188	0.187311	0.164652	0.313502	0.82	0.165221
3.2022	1.791007	0.125948	0.025261	0.246089	0.02289
2.727393	0.380307	0.5312	0.354784	1.571747	0.358978
15.064115	22.609928	40.387447	24.986383	44.105385	24.107
0.670785	3.092055	0.436175	0.392274	0.617948	1.657928
3.7698	3.600692	0.696557	0.381935	1.626456	1.823445
9.23748	7.86354	12.221451	5.252205	9.455379	4.532063
5.721159	4.499942	3.069954	1.342062	2.401111	3.270218
6.194552	3.659518	8.365418	4.174486	5.706449	6.171382
15.029566	14.826055	16.600716	19.169067	19.661827	14.561954
12.379189	12.7237	22.070481	12.547662	18.496311	16.745368
10.885835	9.889569	15.627441	8.34138	11.612539	10.830408
7.828278	6.970766	9.004012	10.847245	9.931402	7.508797
8.611545	6.052233	10.663699	7.379121	6.170027	6.579824
10.505975	13.460093	13.890813	10.172168	12.970757	9.092138
8.204936	9.495171	15.576024	10.691913	13.622876	8.207905
12.278406	27.540335	2.097401	7.769237	3.772983	46.990746
13.962967	18.415304	30.798872	20.21842	21.075035	20.517517
0.008856	0	0	0	0	0
5.994589	5.240861	7.859416	6.601054	6.63497	4.979716
22.729422	24.140621	21.639835	17.870831	17.845188	29.211267
7.795552	5.303675	6.855557	5.849842	6.519355	5.191878
6.231813	7.240707	11.186719	4.819613	9.955913	5.084611
95.160614	88.909874	72.964256	73.772644	65.998413	115.007919
33.141834	31.637533	29.819004	30.339203	28.541796	30.94149
5.784606	4.920017	7.325102	3.743303	4.825504	4.653807
4.987916	6.901497	9.053888	7.589198	9.951002	4.909823
0.166331	0.06833	0.16048	0	0.230777	0
11.80412	11.743577	16.728773	9.665835	13.473199	11.057797
4.064476	3.757549	6.469209	3.473356	5.469839	5.155125
189.930832	204.087265	227.24115	121.55722	183.512009	200.937683
6.85953	5.169691	2.367381	1.707141	4.264933	3.687356
0	0	0	0	0	0
0	0	0	0	0	8.834578
1.052702	1.255112	0.383808	0.387261	0.466706	5.058769
0	0	0	0	0	0
0	0	0	0	0	0
0	0.027481	0	0	0	0
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0	0	0	0	0	0
2.419612	2.520792	5.054782	2.769855	3.115319	2.800322
3.289731	2.209958	1.782286	2.69862	6.928642	2.963536
0.999067	2.52382	0.538972	0.21281	0.654475	0.868735
8.541173	6.760994	8.878784	4.866047	6.888941	8.011488

0.212963	2.682727	0.254966	0.497989	0.597595	0.162427
7.475678	7.159253	5.79979	2.188138	4.339513	6.526488
2.944313	13.25352	2.889999	3.39919	7.569481	4.619603
25.971125	28.387239	25.959391	17.433331	26.753317	27.958143
14.12701	16.229101	17.051474	8.237679	11.95159	11.449525
9.058603	6.129842	7.245131	4.429065	6.823307	11.574158
0.871463	0.555041	1.679421	0.603898	0.589253	1.512648
15.961988	25.973478	24.685509	14.94546	19.281715	34.267399
103.605904	90.38681	71.727959	62.446766	63.642933	78.99807
0	0	0	0	0	0
0.739347	0.591588	0.590985	0.592525	2.533062	0.214242
21.988405	19.025272	25.994751	25.162359	23.007269	26.109825
12.103261	11.496164	13.624871	8.223715	10.761827	13.036015
0.797406	1.285747	0.274845	0.352446	0.304955	0.346028
33.735241	32.799549	28.465794	25.269127	27.92095	36.456005
12.546094	11.447038	18.711077	13.30331	12.726055	14.829226
8.047209	17.203641	16.638914	10.99561	14.53255	11.959834
148.270813	142.052765	112.469978	137.353333	126.445641	150.170334
75.60849	68.333664	67.613617	65.205322	62.867264	105.940895
32.314794	31.076027	21.938182	21.930771	25.43562	20.074717
8.834153	6.079095	8.400906	6.332836	6.712309	7.936872
6.459773	6.818831	7.067843	4.147975	5.588675	6.943517
0	0	0	0	0	0
50.511551	50.57177	42.768147	40.855812	40.629925	64.511009
21.247936	19.245764	19.996231	12.721421	17.50741	19.667253
0.677384	0.240988	0.198557	0.038532	0.210005	0.166917
0	0	0	0	0	0
4.87664	3.267257	3.047888	2.240388	2.577577	5.195628
3.552331	5.714143	0.894564	1.81875	3.190813	0.791565
5.047967	3.586766	8.356432	5.876976	10.0168	3.546947
0.158167	0	0.025004	0	0.053462	0
15.056869	15.399263	12.702241	7.073549	16.619513	14.574842
0.734582	0.590753	0.286989	0.292764	0.626272	1.067511
4.8241	3.235368	3.208564	1.971313	3.67366	3.052524
8.091723	11.120651	14.513265	7.701126	13.877614	5.866354
6.472977	2.614622	3.360767	3.776389	5.924041	2.54417
0.219619	0.208114	0.054239	0.031931	0.099818	0.155014
2.764443	1.422771	2.405247	1.506324	2.462336	1.329241
15.344274	5.36662	14.866528	8.259999	10.883169	11.362005
1.536143	1.056257	0.360156	0.249061	0.518773	1.502977
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
33.471714	43.626022	38.548431	38.428829	35.073997	38.895885
0.496249	0.42548	0.323727	0	0	0
0	0.69763	0.395375	0.392411	1.069539	0.371746
5.824555	4.141645	7.159877	5.346835	5.711343	4.614044
1.318935	0.246129	0.451003	0.12844	0.338144	0.125657
6.581738	3.564783	4.66085	1.699854	3.094707	3.946245

1.190027	0.942687	0.636651	0.17721	0.619112	0.593886
0.219974	0	0.176707	0	0	13.836711
21.805027	18.621897	13.366903	9.925753	10.556077	16.816694
61.781666	82.543076	66.031059	70.157616	110.062294	90.249649
11.504837	11.710387	10.11059	8.574018	13.648836	8.816792
21.116684	15.829407	21.667736	18.178751	23.636892	25.179991
0.169379	0.141351	0	0	0	0
7.230251	7.145514	9.868184	6.755708	10.880051	4.873933
37.01067	56.253866	73.407513	47.511162	101.943203	49.123854
42.559971	21.08713	10.606418	10.054685	21.204727	9.759665
45.587776	39.949265	52.502953	35.781219	38.815804	51.353741
0	0	0	0	0	0
46.346779	42.914299	36.063694	27.913126	29.302279	42.635136
11.684171	8.968434	7.2182	5.60438	6.525751	12.670165
0	0	0.175208	0.124147	0	0
316.309418	296.647644	172.193085	174.600388	207.383667	293.834229
129.985291	181.066879	87.153885	81.399536	106.798401	142.744553
36.977787	36.891075	19.326845	21.700909	29.752157	31.471804
256.628174	408.501068	207.779343	188.312912	231.780151	329.937286
2.199861	1.34445	2.60938	1.150903	1.48586	1.457652
0	0	0	0	0	0
11.821704	15.227197	32.941406	24.721601	31.055801	11.611935
11.196774	6.850021	6.683245	4.22072	7.877374	10.578099
9.922696	7.374135	7.536721	7.98823	9.521989	11.561711
7.675986	2.832678	11.596672	8.263658	10.944553	2.57496
48.607929	49.52375	35.829292	32.278072	37.179886	54.460415
18.152372	25.069298	36.782616	24.964403	29.505486	32.589194
23.301212	0.410574	0	0	0.361183	12.424165
13.692277	5.136549	3.923198	3.782893	4.260719	6.542795
21.237334	15.501665	9.094454	13.878165	16.188749	15.841605
72.71443	70.454111	62.064298	50.274814	66.916635	62.69919
3.343084	2.506744	4.266204	2.269244	3.333121	4.226608
1.792851	1.685186	3.213421	1.461261	2.430091	2.081067
5.574562	2.054835	8.213143	6.378012	7.281383	6.586433
58.337645	16.540501	22.921127	16.186794	32.811007	24.370649
1.104941	0.906565	2.422789	1.374806	1.07844	0.895933
59.165245	52.219559	49.597141	30.200409	42.221329	51.900272
7.787385	7.897563	10.246099	6.747245	7.84812	8.379828
6.772642	7.56024	9.82345	7.814796	8.980123	8.057817
6.055494	4.59166	5.106514	3.14185	2.058087	6.042257
3.199149	2.491508	2.693346	1.297613	1.748848	2.638266
0	0	0	0	0	0
27.973591	20.991721	25.523828	18.913681	21.450888	27.159196
10.504655	8.173752	7.754155	5.126618	7.496547	7.501417
0	0	0	0	0	0.177143
9.591063	18.019852	15.714389	13.553325	16.594257	11.889908
0	0	0	0	0	0
36.856659	31.670769	36.050415	29.130131	30.440859	43.887566
0.350452	0.130342	0.151489	0.017067	0.20727	0.496742

0.278339	0.064813	0.100481	0	0.06841	3.786956
1.795227	0.883581	0.98176	0.5105	1.072386	0.779359
0.825567	1.015308	1.740051	0.343049	0.620329	0.53627
6.084581	4.909002	6.46492	4.152944	4.662363	6.49824
0	0.363173	0.170303	0.187733	0	0
3.177288	7.725045	2.374742	1.671214	2.463177	15.832942
0.33662	1.010922	0	0	0	0
0	0	0	0	0	0
9.959827	6.004734	4.791725	2.690226	6.176966	2.707191
0	0	0	0	0	0
76.494469	67.687645	38.486492	29.072096	41.014019	52.243587
8.797609	11.006815	18.753035	12.160693	17.866301	9.843504
10.967158	14.337282	21.100077	18.736334	20.346343	15.911235
204.26886	303.768402	274.313293	241.8172	220.952789	257.0224
0	0	0	0	0	0
23.169789	8.972482	8.951848	6.621056	10.783499	10.150973
8.406938	11.83936	8.761469	7.959874	7.637564	8.032474
26.375202	28.378767	26.327318	14.315962	25.841572	24.805216
0.791787	0.993605	0.154449	0.169722	0.468089	0.038898
0.657975	0.504239	0.125073	0.11523	0.137897	0.312986
4.154612	3.11562	3.718854	2.359972	3.398934	3.186517
0.351433	0.274293	0.224594	0.125641	0.313999	0.046974
0	0	0	0	0	0
9.137027	7.205971	6.419904	4.783746	5.970882	9.658356
2.596764	2.140592	1.985787	1.061217	1.245678	1.214557
0.339468	0.470125	0.364717	0.194868	0.49363	0.185267
18.324635	16.447088	11.596544	10.853069	13.510951	13.951248
19.221247	18.541924	18.318024	13.873804	16.60899	15.961408
6.366148	33.148421	4.2967	5.368464	7.271116	7.719682
4.104763	0.945232	0.778626	0.833675	2.306341	1.208076
12.971763	12.914529	15.906978	8.517056	10.560682	10.879412
22.569925	21.083006	16.891916	11.513311	14.050467	43.019257
19.034281	16.321018	34.203793	13.563958	24.983976	11.3489
4.69032	2.028283	3.842032	1.741649	3.776322	1.623607
3.761598	2.118611	3.389271	1.539194	3.623006	1.50593
1.560007	0.916204	1.775377	0.814886	0.977642	0.854232
5.249142	12.772721	6.015551	4.012362	3.784986	25.399813
41.470715	38.632378	43.884735	33.686985	32.314285	43.669651
48.221737	48.459431	44.453636	47.716145	51.697052	47.871647
2.942198	0.006247	0.229754	1.756318	1.013066	1.267443
0	0	0	0	0	0
2.427139	2.445236	4.071805	2.613986	2.980481	0.658878
3.35812	3.610502	3.806027	2.547439	3.331876	4.734702
3.459623	4.086507	6.367589	3.721907	3.818695	3.354981
7.469369	8.267066	13.634678	7.611212	6.594389	9.141777
5.799891	8.198318	4.842704	2.467637	4.731313	7.367059
3.448642	4.026999	3.078264	2.047146	2.416904	2.800037
8.351995	7.482188	8.527007	7.43932	8.601703	8.062706
19.928244	23.841265	23.221441	18.205538	20.027617	23.799431

10.830475	13.179469	10.268497	9.567317	10.016127	15.361793
21.73271	20.514563	21.307821	13.619687	18.632591	20.632591
21.0608	17.748525	21.655742	16.339471	17.866824	22.703369
3.840081	0.821089	4.204325	2.84115	4.363139	2.602265
6.582624	6.655398	7.144978	5.947871	6.874352	6.723134
17.190811	19.182225	23.583514	18.56368	22.322085	14.492454
0	0	0	0	0.047052	0
11.024763	15.931445	11.515634	8.408931	13.312586	11.397665
9.187407	10.689047	8.45076	6.519419	7.859798	9.848944
289.483276	46.2761	134.313843	79.846275	156.026367	76.536766
7.996345	8.621839	11.794858	6.605455	6.548179	9.16471
111.272575	123.215309	105.087082	121.679749	113.35511	141.622726
189.826508	203.977753	125.931496	166.510834	145.166809	175.369659
82.536247	55.231026	41.119247	54.251019	49.762714	75.6875
486.036316	548.583069	557.318359	750.732605	765.446411	521.967102
85.554131	108.648094	74.071602	76.479023	71.369377	103.716339
4.406508	3.724767	4.832308	3.054121	2.19297	2.122457
3.265582	3.199964	4.731241	2.154714	3.143547	3.111307
11.66646	7.676166	11.121384	11.21235	17.146116	4.3358
10.712406	13.378919	10.816303	5.155886	9.844019	16.467985
29.498859	52.299877	69.507034	62.003712	80.059929	28.205687
41.024092	22.162376	26.233438	18.539546	22.595092	19.299519
21.604393	23.519213	15.756501	22.795295	25.407342	24.41895
1096.197998	1013.571655	682.840942	527.534973	620.511169	1225.239746
8.186876	4.782523	2.224396	2.616569	2.948559	3.954264
0	0	0	0	0	0
1.006519	0.618759	1.533298	1.191917	0.506475	0.443141
0	0	0	0	0	0
0	0	0	0	0	0
120.379379	152.11557	175.972565	155.547455	185.141434	150.878372
71.122765	1.493514	1.061429	0	0.771548	1.894875
26.416163	24.090276	24.078201	17.309731	16.254375	27.724285
0.892265	0.787198	0.453167	0.368343	0.934047	0.48419
18.209508	16.450274	16.278437	13.410277	17.388626	17.681473
2.293643	3.102889	4.237939	1.901356	3.591732	4.194902
0.115347	0.370998	0.364789	0.046443	0.334181	0.078067
0.05383	0	0	0	0	0
0	0	0	0	0	0
85.074265	85.978897	72.332809	43.239662	52.260044	97.108727
9.558381	9.607067	15.019281	23.0076	32.225278	5.011381
2.514526	2.26314	3.336705	2.484038	2.680813	3.074621
219.670822	330.53653	419.407318	546.37616	520.113586	251.964569
0	0	0	0	0	0
91.72136	111.902516	105.983065	94.554875	99.533321	102.6489
2.35579	3.929934	1.420041	1.937719	6.72462	9.856949
0.575537	3.143027	0.332365	0.489511	1.36579	0.344865
0	0	0	0	0	0
0	0	0	0	0	0
16.540533	15.116716	12.581514	11.70845	13.451873	34.915928

32.566769	33.6572	37.5686	34.478539	46.433334	18.297314
2.991243	1.438569	2.01028	1.044189	1.284852	1.289993
4.755204	2.505602	4.584504	3.464609	4.665767	3.326178
0.236569	0.118455	0	0	0	3.391416
27.272823	31.704773	19.493736	20.54842	29.223286	32.657207
6.125855	6.939821	4.878748	3.969521	5.215605	8.22423
1.428382	0	0.241217	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
62.32143	91.290886	69.487862	78.295807	69.507919	87.968582
27.179153	26.905716	24.07198	17.321762	21.166121	27.10837
36.914898	32.096985	28.640486	22.141529	24.231424	30.188137
0.756365	0.286632	0.165336	0.12994	0.193935	0.450036
1.680501	0.892529	0.726098	0.19145	0.479282	0.438592
0	0	0	0	0	0
7.390727	5.428623	11.218187	8.192005	7.093102	3.593182
34.262451	30.116259	27.198051	18.773529	24.614794	35.239769
73.472267	79.213814	53.589039	55.154911	54.087208	87.452736
173.880676	196.575958	167.496292	161.881393	150.378601	229.909546
4.981892	4.424582	7.0135	3.830388	5.423535	5.203212
79.53293	89.984235	68.987246	50.928204	68.207895	83.838422
3.504498	3.113473	4.912407	2.808538	3.864639	2.323844
0.714188	0.721768	1.091769	0.50895	0.178295	0.70999
20.011792	19.434726	23.839176	20.338359	25.578943	14.651189
46.61845	42.841034	41.913773	34.698608	30.322716	46.886383
2.207723	1.218836	0.321669	0.139011	0	0.872056
8.746132	3.044097	0.498116	0.622288	0.646151	3.380358
3.786471	1.173555	0.95567	0.682009	0.431337	1.324551
5.569106	2.245474	0.843202	0.416789	0.773963	2.605761
14.418831	13.520945	20.544079	11.361591	15.9666	11.636474
11.239323	11.577408	14.927064	9.817333	14.003781	11.136677
15.525678	5.471327	11.455356	9.850993	10.787118	12.43118
2.956747	3.092208	4.726479	1.349227	1.580064	2.743099
9.466706	9.779604	10.787274	6.287466	9.075902	8.298434
11.485687	8.280087	10.860419	7.122966	8.659261	6.951754
5.809771	4.109553	4.731311	2.880624	3.20308	3.246494
8.416137	6.677953	16.104148	7.189551	11.38352	4.176847
0.771441	0.430149	0.564127	0.182627	0.269818	0.263259
51.868243	42.656058	51.631335	37.209462	46.854319	47.861254
0.067205	0	0	0	0	0
11.261857	9.81714	11.778728	9.175771	10.905665	9.326068
38.064667	32.981167	21.842264	17.786543	19.146063	41.919487
4.035846	3.511278	3.463802	3.642896	3.085462	3.469803
3.504723	2.970283	3.722208	1.777912	3.165545	3.849668
4.297883	4.244518	4.292176	3.059123	3.722469	2.157145
80.334969	116.794006	109.037888	93.647064	65.910187	151.045944
0	0	0	0	0	95.428818
6.27567	4.731743	4.128617	4.092512	4.486222	2.863046
6.033803	2.534444	4.340019	2.297386	2.167243	2.033978

4.192925	3.930673	11.511179	5.313907	6.039484	3.241711
6.133605	3.89783	4.48661	3.44013	3.675595	2.766244
2.891711	0.110457	0.209401	0	0.115904	0
22.052607	18.608463	23.039059	16.019377	17.67145	15.595512
29.521879	31.595587	17.394993	22.288832	25.933264	21.049528
4.623096	10.378746	0	0.799298	0.607329	4.357909
77.349716	98.895615	84.747658	62.102509	87.270027	81.2379
22.732878	26.595322	36.930115	19.736166	29.409096	18.236513
11.953923	7.438613	3.345933	2.616017	6.174358	3.062479
2.230746	2.328144	1.425869	1.151168	1.925535	0.949909
2.102944	2.203017	3.336079	2.250262	3.345446	2.51112
2.369282	1.818794	3.084508	1.703038	2.032149	3.321147
0.769527	2.380669	1.671132	1.666604	3.9593	2.001219
8.93031	5.254158	6.688276	4.965215	6.216811	8.041376
0.281897	0.201975	0	0.332143	0.184713	0
0	0	0	0	0	0
81.531509	111.821404	130.297791	134.401657	115.206131	110.776443
15.46408	13.335087	19.207916	10.106722	14.038275	12.337738
12.018979	9.829236	17.832728	8.168001	11.318453	9.917458
0.260533	2.871325	3.835577	0.076151	3.348505	0.200796
4.18093	3.196378	4.622563	3.143987	2.734009	3.387891
0.375271	0.23612	0.039967	0.055294	0	0.260546
44.353943	87.368088	14.255933	17.859632	19.753736	61.756115
29.001301	23.583586	39.400909	40.307256	43.024408	12.623829
0.272531	0.232419	0.116282	0	0.155766	0.37915
0	0	0	0	0	0
7.231902	3.913405	7.568274	6.188735	5.634675	5.744882
0.13175	0.056481	0.047802	0.098905	0.086062	0
17.715979	7.139109	6.392226	3.184123	9.165596	6.649609
21.544092	18.839701	22.268833	13.529317	16.883694	19.0571
17.70911	7.70515	11.752131	10.881078	18.096182	9.168569
11.691071	11.233718	10.447413	6.35068	9.222244	12.014993
26.307363	17.502963	20.330138	14.36435	20.253096	19.466893
10.84324	7.910916	4.781901	2.899768	5.561704	4.413151
9.375292	8.826957	9.715449	5.829195	8.616819	5.43785
7.938969	7.724786	11.542649	3.414201	9.598837	9.85672
10.980015	10.036984	19.534083	6.336267	15.120152	7.489807
16.647812	16.841909	18.514557	15.299778	19.07288	11.596512
1.670212	2.803294	3.266366	2.408215	3.02411	2.688135
60.624509	48.121377	54.34536	45.988161	54.997142	31.760796
7.916143	8.72409	17.085711	12.077745	11.77254	8.57705
15.740596	12.201422	13.301126	5.671123	8.433633	11.134733
1.960321	2.275093	3.276323	0.913895	1.31784	1.998102
19.588663	21.511137	40.388329	22.980618	33.647751	22.119093
2.595979	1.953878	0.793734	0.626824	1.319798	0.658114
4.522943	2.202564	4.095935	1.361128	1.458356	4.493838
0	0	0	0	0	0
5.958757	4.529625	5.287301	5.462674	5.345146	3.195905
0.812791	0.460811	3.231663	0.985126	1.281778	0.559943

11.678108	12.66005	10.555341	7.846645	11.653265	12.162596
12.480656	18.377296	11.079261	14.736549	10.681887	14.661957
1.926423	2.480652	3.805246	1.913958	2.789387	2.89292
4.554064	4.54855	5.895254	4.480881	4.252856	4.739899
15.920445	10.971122	12.510866	10.603809	12.049009	12.212774
2.535767	4.398863	4.606406	2.513757	3.735607	5.171467
5.920834	4.867649	9.396647	5.376543	5.498354	4.897966
5.435127	5.11738	7.07097	5.510884	6.137256	5.282537
3.746013	3.36268	5.919681	3.160281	4.529647	3.585289
22.754769	20.214781	35.915096	24.807066	30.182896	24.978868
18.822693	14.635482	19.27182	9.877582	14.164255	15.558013
2.228591	9.00879	0.085787	1.943634	2.864105	86.298073
32.564644	35.001244	31.468683	18.534079	30.964136	36.272594
61.949585	70.951363	51.819885	33.442215	51.653076	56.221992
14.082919	13.516973	10.187139	8.997936	11.116264	15.6107
3.70477	2.894866	3.801381	2.112482	2.94886	2.910136
5.993018	2.808341	3.77396	2.3708	2.133389	3.420566
39.195005	42.937782	42.39793	49.895665	48.382366	42.193723
23.459698	25.665318	21.871954	18.98634	24.766016	24.887148
0.58222	0.361623	0.680541	0.139755	0.710024	0.976037
35.32886	38.026348	30.495316	19.932189	33.522866	33.744696
0.843603	0	0.800818	0.120409	0	0.659045
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7.362729	5.050843	4.364144	1.643037	3.571596	3.515679
3.440377	3.228686	3.854314	3.420197	4.13333	4.029646
0.867166	0.548059	0.817155	0.431717	0.420023	0.624083
0	0.044353	0	0	0	0
6.3834	7.963454	9.340113	6.699108	7.05768	5.847964
9.400987	7.191246	9.641854	6.44062	8.920194	8.109792
3.893664	3.324493	5.283449	3.980144	4.220922	3.981599
12.634131	11.205195	7.299281	4.667725	6.213432	7.884079
2.687818	1.496728	2.15738	0.97711	1.345894	1.262707
5.633282	10.544852	24.675158	15.263939	24.300486	8.764718
7.906967	7.215346	6.580079	4.21962	6.619921	5.679577
25.80402	36.091827	43.882679	23.801472	32.218971	35.349728
2.779496	1.272824	0.554488	0.258826	0.48749	0.72475
5.45134	5.604403	6.93674	4.031745	7.008115	4.764138
11.918209	8.584112	12.353175	6.154624	10.401985	7.330493
8.083559	7.994365	6.715798	5.236004	5.236889	5.514464
3.873022	3.208346	3.153841	2.297166	2.731869	2.422436
24.289391	30.355585	12.898654	10.028877	10.287953	25.404322
6.231894	7.865464	2.155724	1.072922	0.843358	4.579491
4.311887	6.74558	2.280058	2.167989	1.372007	5.013286
35.432041	41.971046	38.837414	40.240685	48.164387	25.760572
3.737955	2.572216	2.159231	1.126234	2.284454	2.477832
22.838463	24.961174	31.871372	22.198061	25.375423	19.570366
19.295086	21.491488	15.336263	12.694569	13.511517	21.300537
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53.885002	49.967834	31.915218	26.781918	27.546108	58.101082
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21.829027	20.417135	22.272657	11.963435	18.819088	21.584536
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16.102333	10.353765	7.348531	5.679372	4.898995	10.327202
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15.456657	9.616115	8.316919	4.334638	6.945361	6.5087
14.302432	13.292141	16.193443	7.831252	11.925226	13.055417
16.75053	18.529463	16.220583	11.072045	15.652326	16.438982
9.483789	18.880465	24.040322	21.304844	25.612001	25.464425
0.119961	0.127965	0.108883	0.090625	0	2.475027
27.982872	23.154106	28.976344	13.228538	19.914783	22.884326
0	0.168712	0	0	0	0
1.893222	5.291912	0.186544	0.255787	0.848891	2.2018
7.324513	11.663161	13.279912	13.581497	12.39282	9.960562
0.00383	0	2.283094	0	1.525369	0.887482
5.493197	4.396153	0	2.261622	0	0
3.5538	3.252532	3.267572	1.051761	2.07175	2.829434
0.295219	0	0	0.550361	0	0
4.97134	3.740808	3.936826	1.392762	1.87072	5.485634
0.659222	0.539448	1.111966	0.029801	0.621113	0.392914
36.106606	31.268913	29.867069	17.870892	26.447605	24.127377
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30.21006	29.604338	32.594322	20.588133	26.009575	35.411114
19.476845	15.903291	29.864729	17.192932	28.709286	11.28793
1.391415	2.220413	2.265772	1.601245	1.707149	0.889457
90.450188	74.855186	139.317062	84.375748	135.024139	58.425186
16.586195	13.954757	16.452726	10.276683	13.2819	15.202877
93.720818	87.223526	67.234299	44.598526	51.908039	96.732346
28.480837	27.295821	27.770712	18.779354	20.680165	22.775975
5.170195	3.864204	3.444266	3.660769	4.973512	2.76329
18.604963	17.290737	28.59948	15.723502	19.172585	18.481764
3.566394	3.285064	4.798709	1.977554	2.688282	1.620493
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0.04561	0.224466	0.046886	0.033883	0.10072	0.137336
24.516275	26.074705	39.434864	25.143726	27.905619	32.956894
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0.859979	0.606991	0.452644	0.810098	0.763465	0.694263
0.183262	0.320615	0.041553	0	0.225942	0
17.65563	24.969121	23.739087	18.614432	20.608875	24.884325
10.41888	9.848005	12.0248	8.867887	10.31216	9.406699
6.592006	8.136619	11.687707	5.39573	9.106356	5.236258
0.043853	0.068822	0.074476	0	0.067802	0
0.056869	0.087161	0.150879	0.15591	0.275258	0.029747
10.827123	10.601856	20.247204	9.81988	17.562473	7.591916
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2.64022	1.553173	2.202717	1.224835	3.022949	1.223942
11.946661	10.467451	7.197094	4.689365	7.465708	6.28418
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0.023787	0.040621	0	0	0.166994	0
3.331286	1.103264	0.625947	0.517273	0.202338	1.170317
2.621462	2.040447	2.338883	1.173646	1.325552	1.396424
26.900411	52.44714	34.380807	31.418499	48.522239	45.216653
0.695217	4.240301	0.098423	0.260643	0.455883	10.640734
577.981583	718.497093	839.175049	730.735947	862.419312	669.996017
12.693214	9.03076	19.078278	6.838152	7.537957	13.476174
16.685467	13.570831	19.243885	10.724146	15.209816	12.921339
8.101565	8.011822	10.658702	9.531439	10.943629	9.274068
16.013336	16.731049	23.477966	12.750205	12.574463	14.957268
4.40942	4.784926	4.938491	2.840777	3.62463	3.376708
3.907831	2.151993	0.618977	0.515586	1.126921	0.755918
2.182651	6.770084	8.244614	8.685217	8.105702	4.384533
3.99456	5.288996	9.255171	6.613722	6.290409	6.380413
1.213828	0.765054	1.17386	0.56825	0.765842	5.658918
20.406971	19.594128	18.960845	8.553693	11.718223	19.952168
24.450138	35.375401	9.637096	13.814984	20.717529	13.702699
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30.647257	31.003995	26.279638	21.077703	24.475868	30.02481
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49.339996	44.242222	29.343201	22.786175	28.38599	37.693653
8.358162	4.624559	2.705085	3.179023	4.534323	5.767501
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0.173867	0.073873	0.083549	0	0.142204	0
10.495517	6.305252	8.875383	8.946657	8.622633	10.146251
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0.6281	0.173016	0	0	0.065725	32.123398
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7.846326	10.055289	11.942738	5.676357	7.877909	9.00795
97.970222	128.41684	103.634323	93.27993	150.510605	107.218216
0.631713	0.365309	0.202284	0.11765	0.265876	0.166543
10.1639	7.563525	7.726637	6.364253	6.411213	7.823565
2.128247	1.575533	0.773198	1.141025	0.478743	0.629412
241.590073	154.313873	76.200279	96.357628	195.259949	533.237976
0	0	0	0	0	0
17.072307	19.128267	8.418663	6.200007	9.527898	4.666533

1.416171	1.063779	0.81207	0.255534	0.430455	0.307089
0.397135	0.937725	4.760806	3.182761	3.339999	0.906118
1.418899	0.402503	0.104557	0.029009	0.504993	0.157715
8.56738	5.769073	6.809669	3.616554	5.366478	7.162189
60.862602	96.497314	92.142227	101.838448	113.417831	111.812141
0	0	0	0	0	0
0	0.073472	0.062182	0	0	0.809159
1.475542	0.681034	0.470518	0	0	0.578349
0	0	0	0	0	0
0	0	0	0	0	0
0	0.313798	0.18055	0	0.248875	0
0.118579	0.305004	0.086045	0	0.094657	0
0	0.180358	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0.158191	0.193237	0.076791	0	0.276503	0
0	0	0	0	0	0
64.431114	57.573334	39.587479	51.183598	78.881577	124.885132
192.109177	189.926132	125.407127	91.02507	107.343979	198.455643
0	0	0.033944	0	0	0
15.44306	29.416634	7.795437	15.645195	15.107513	14.393095
25.292854	28.459364	32.222275	17.502077	27.25288	20.949059
1.156164	0.942165	0.866731	0.584713	0.580569	0.596029
3.953321	3.994852	3.484489	2.094613	1.619503	2.305528
25.344503	30.031491	30.895322	23.002603	28.870232	40.021183
0.502205	0.330906	1.110555	0.351079	0.320332	0.432473
7.847639	8.82768	14.221159	7.925902	10.362967	7.573974
6.614244	13.359811	19.760988	13.948415	15.642031	8.392957
0.473298	0	0.063803	0	0	0
0.909124	1.344691	0.712204	0.696216	1.180237	0.461232
7.8589	9.608102	21.245275	11.515097	16.229755	9.221029
9.88649	10.464452	7.632357	4.381384	4.775718	8.811545
0	0.051781	0.026365	0	0	0
0	0.078143	0.038324	0	0	0.111444
0.785096	0.721579	0.435517	0.53366	0.349159	0.45854
11.063793	11.749026	10.339133	7.438855	7.513684	11.422982
0.024011	0.483131	0.470468	0.065843	0.034392	0.029778
0.556107	1.037278	0.602691	0.313947	0.616569	0.44218
0	0	0	0	0	0
0	0	0	0	0	0
2.96191	2.702979	3.484143	2.122351	2.53315	3.197621
15.134544	11.982943	15.7015	10.58017	12.253215	11.355269
78.675842	63.220619	47.730652	34.373001	64.661674	68.742874
86.33493	88.554443	44.791023	22.886684	26.043993	63.419949
0	0	0	0	0	0
0.464141	0.182802	0	0.258227	0.379243	0
0.178215	0	0	0.178912	0.608697	0
57.351297	53.645077	95.23179	41.264372	47.681942	61.200845
26.27747	13.047557	13.109438	10.002516	12.587328	15.303566

3.502319	8.046648	4.216333	3.372359	3.582996	9.557237
17.421244	13.330334	15.455614	12.100855	12.987672	12.693542
19.960102	23.819054	25.461494	22.285051	26.610901	21.335388
12.568375	12.017895	13.090052	10.054031	13.717994	16.55349
3.741881	3.307137	1.49699	1.250656	2.341964	1.218581
3.156727	4.527186	6.653705	5.515837	7.472546	2.310789
1.727265	4.802633	1.524017	1.594692	3.165573	0.683129
1.174007	1.273124	0.763123	0.158909	0.723992	1.46167
2.898707	2.465225	2.262999	1.8613	2.286175	2.449437
1.719293	1.975095	0.293517	0.726882	0.541715	0.477844
28.02728	24.020423	23.41648	18.084741	22.337646	37.072939
0	0	0.031276	0	0	0.083122
0	0	0	0	0	0
13.769019	13.703162	18.664896	17.122454	26.063385	13.461294
3.809291	3.77104	4.489702	3.201198	3.150246	5.517262
1.224133	0.301258	0.64531	0.279011	0.470482	0.413177
9.430047	6.511844	13.36942	5.238484	12.348721	5.585405
21.09627	20.005043	25.525784	16.644522	22.222528	19.005116
2.592848	2.135297	2.903863	0.614551	1.505634	1.015789
5.223158	4.255973	5.798338	2.367154	4.822543	2.913813
0.165473	0.420503	0.298318	0.402719	0.36821	4.547895
0.105768	0.212136	0.133731	0.118348	0.295667	1.265204
1.986869	2.567779	4.27622	2.35808	4.14448	3.691077
9.858051	11.92761	17.478291	9.215349	16.852827	13.670328
52.664051	49.70657	38.401756	38.603615	37.18689	34.879742
8.102314	5.291455	7.896922	3.816495	6.773226	6.685169
17.3983	13.035958	16.356676	9.885562	16.625309	11.228995
3.169609	2.300284	3.735822	1.87643	2.500372	2.405049
6.313281	6.085612	19.071753	9.435234	15.053089	4.668758
130.381714	111.300705	101.200035	82.366501	94.500336	100.814911
14.167503	11.606496	14.230234	10.0398	15.286738	10.85063
0.060764	0.35522	0	0	0.062558	0
7.970356	8.902118	5.698417	3.359466	3.193997	23.797682
1.426439	1.097796	1.474856	1.050349	0.80672	2.086675
7.271095	85.213196	2.972821	9.020461	13.914387	8.366138
64.16478	48.126831	43.967693	38.134342	40.629311	55.032906
0	0	0.115146	0	0.349381	0
180.017776	138.275848	191.298798	159.444031	164.762253	154.011093
40.355202	48.868275	45.077667	38.51849	50.923111	76.416908
0.802307	0.429366	2.386342	0.689915	1.376777	0.602179
0.723966	1.781905	0.616153	0.266101	0.259653	0
19.205881	18.474192	14.681746	5.592085	7.930956	21.285976
26.191607	16.685898	20.42651	28.419683	21.29718	21.997986
22.272758	16.166313	15.214334	8.966745	12.244501	15.682179
8.341468	6.462245	7.784832	5.782082	4.864972	9.314088
0.038389	0.061714	0	0	0.061225	0.024554
0.626634	2.641271	0.903577	0.581687	0.825119	1.587513
0.388805	0.05539	0.133439	0.110767	0	0
39.610912	41.296051	40.930336	28.149414	53.546772	33.643047

42.520756	29.548208	24.371284	26.651014	38.083918	19.12281
58.88995	61.792789	44.595211	31.259993	46.826324	50.315823
0.489217	0.240937	0.893361	0.430128	0.615905	0.119057
180.453308	181.581009	233.800262	187.466019	191.037079	216.837006
24.644993	25.010626	28.94771	23.829964	25.16473	28.671061
0.222866	0.492868	0.891747	0.389959	0.379896	20.928242
46.872523	51.942493	59.825705	56.311094	65.895633	63.547245
25.656488	23.253756	16.782928	21.024984	25.549253	27.201283
7.353184	6.358085	6.616377	5.313642	5.411165	9.245046
42.885269	43.458695	59.006096	36.301551	45.218392	39.382666
2.498332	1.170283	1.030775	0.490445	1.150633	0.213863
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33.411095	10.600492	13.247196	4.343344	11.32674	6.186893
36.778305	22.246775	10.891798	9.128974	18.436447	20.540411
4.909046	9.115534	6.964822	7.300152	14.986287	5.104206
8.309654	7.286353	3.400962	2.497915	3.788112	4.508997
17.391695	18.892471	21.232435	11.850226	22.372219	15.523695
1.374103	1.440516	2.293961	0.897463	1.105992	1.413851
3.601996	4.041627	9.451918	5.780823	6.207619	4.010929
1.170812	1.061622	0.309131	0.37988	0.89639	0.359841
1.627149	1.914455	0.201473	0.644345	0.261564	1.123559
1.138836	2.173927	2.364302	1.278481	1.974654	1.037896
35.918073	31.312293	32.007401	18.818244	30.602875	33.297191
0.126218	0.063777	0.080964	0	0.024611	0
1.782925	0.99917	0.40627	0.259373	0.545996	0.857907
29.070648	36.871387	28.134033	24.033195	39.171059	24.730877
0.34297	1.97995	0.092236	0.064379	0.084294	4.008504
0.189488	0.058469	0	0.041076	0	0
4.293228	2.009591	0.78472	0.473247	0.891231	7.346967
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0.567247	0.122384	0.129471	0	0.216126	0.048694
67.159515	63.36488	57.072834	47.297997	70.755775	61.604694
51.254868	53.51326	42.232716	25.570745	25.927629	57.675312
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0	0	0	0	0	0
8.322574	5.456439	6.887719	4.004757	6.920262	4.47524
25.127663	27.488554	23.058271	23.002007	27.831692	32.799725
24.745184	20.308319	23.511906	12.911341	14.346006	25.071344
0	0	0	0	0	0
28.397381	18.25536	26.721941	13.943902	27.077819	56.828815
32.20015	31.471163	30.937092	19.929956	27.969601	33.304577
38.455887	39.564884	44.578636	45.159878	38.390202	50.907459
1.727063	1.506134	1.877199	1.172545	0.883058	2.09283
3.988089	3.399634	6.352768	3.699866	4.077137	5.377387
17.776282	23.476287	27.062299	17.320855	23.59526	24.609758
0.699556	0.861433	0.573284	2.028038	1.761499	1.237284
39.833897	25.461542	37.924976	23.084282	30.364872	16.816271
31.936662	43.482089	32.706838	25.143104	33.818174	37.811312
14.603647	16.703979	15.164752	12.031142	12.459058	15.662896

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0.556434	0	0.130054	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	4.507645
0.354428	0.358767	0.723551	0.257912	0.505136	0.373716
0.165095	0.100971	0.031577	0	0.066047	0
0	0	0	0	0	0
0	0.113223	0	0	0	0
0	0	0	0	0	0
0.590182	0.395594	0.0931	0.218841	0.196679	0.312461
0	0	0	0	0	0
64.602013	48.105408	74.320084	41.675289	46.237732	39.424129
41.328438	31.008291	26.621101	18.797106	20.366896	45.171982
0	0	0	0	0.138341	0
29.894215	18.635916	11.435418	6.707637	10.240276	29.464149
17.553576	11.512627	7.874104	3.688718	6.777703	35.432915
0	0	0	0	0	0
14.723306	14.312014	21.836765	9.120049	14.753629	20.396421
0.257055	0.049063	0.083047	0	0.0736	0.033465
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9.590555	10.623732	13.896846	6.484567	9.1217	9.43637
11.779948	12.101826	12.113947	6.167607	8.593753	10.262037
10.114947	9.558457	12.019258	9.265196	9.582179	11.699437
12.743339	19.793196	10.17131	9.538371	11.126053	18.604244
14.625416	10.012547	11.364665	9.113282	6.610699	12.463178
25.689001	27.694969	38.181839	31.592703	48.258862	23.59977
30.592979	24.891909	25.321274	20.093004	24.04632	27.658123
5.505408	4.889287	4.772329	1.873306	3.640718	7.283906
5.997631	4.706322	5.274755	3.560287	3.947016	6.37133
3.817381	2.491424	3.513808	2.041434	2.924917	3.275091
1.990685	1.594633	0.759023	0.574529	2.762158	2.52581
13.859354	18.894707	35.113461	23.5035	29.526911	15.082488
14.230331	11.279868	9.284634	7.233569	6.622308	10.218781
3.265338	0.805732	0.268788	0.150577	1.018792	0.453245
0	0	0	0	0	0.597774
8.130396	7.781195	8.813614	5.855536	7.655797	6.510575
40.787395	39.703243	37.871479	23.863161	43.933632	46.047543
2.835507	2.500581	3.843424	2.660739	3.195165	2.162274
22.881124	22.293539	24.812852	18.713339	20.24494	24.408647
7.010759	5.994919	10.492322	6.372918	8.483707	5.319402
2.438955	1.653723	3.055743	2.102393	1.485576	3.26534
21.20892	19.965194	20.679113	12.002992	11.471248	25.010498
49.003273	40.973255	32.645176	34.042343	38.917015	39.753502
10.407825	11.572626	12.54847	7.806517	9.211092	12.608532
19.815168	33.040997	27.16456	20.532141	23.770731	29.351774
12.311299	11.236383	11.760847	7.906314	8.855124	8.728444
98.482713	139.372097	111.454382	141.903644	129.695938	108.314281
41.729652	41.636631	49.905247	30.092211	38.303768	49.481628

28.956909	32.330345	41.923389	28.647625	36.386932	33.461933
4.116331	3.252653	8.467593	3.167273	3.284747	4.210475
9.103017	8.111493	9.117192	7.018926	6.47027	9.26174
40.59893	44.106224	35.421844	33.751328	32.649792	48.079346
27.329369	31.951925	22.321308	26.278805	24.361813	30.102909
15.871236	12.976898	16.847376	10.594394	14.589231	12.230058
4.570007	3.601601	7.68813	4.037775	5.057326	5.629942
4.830504	5.698088	5.935716	2.850338	3.17895	6.969669
4.368156	4.759521	6.075248	3.696887	5.442594	2.792164
6.191873	4.4685	7.193272	5.534027	5.036695	4.022627
5.074632	5.273084	7.478378	4.870407	5.869198	4.820152
10.607578	8.370172	14.466587	7.169414	9.415534	6.752767
0.023689	0.037164	0.188475	0.133825	0.092594	0
1.160633	0.981933	1.521561	0.816715	0.953614	1.142589
10.254283	9.868652	12.584216	7.79367	8.535382	11.988691
10.970998	9.711238	13.16662	7.8788	9.585735	13.971582
60.772095	67.011665	73.183601	64.45652	61.499649	66.577225
202.187981	198.513496	171.120926	167.979202	173.631577	221.914063
6.79053	5.75513	5.097622	3.697629	3.760361	7.597746
20.70949	17.417118	23.839205	14.11115	20.334333	21.690811
13.291521	10.728208	14.677317	10.601227	12.486341	16.146
50.326969	62.71431	53.889622	68.665588	56.018681	63.722435
42.363901	41.68188	37.337316	31.306455	34.527622	43.947774
104.742851	125.743973	120.110924	104.223412	105.937904	127.246407
182.888885	205.451996	164.147797	137.265839	129.783554	192.040512
119.405045	112.69281	84.213165	95.162247	84.644455	122.686722
99.839073	95.616943	73.251938	66.46096	58.949749	104.908195
59.411716	54.82531	46.753162	44.034752	42.815197	59.502754
98.273598	95.522301	90.484634	91.287781	95.561424	105.141464
56.900608	52.69294	46.023823	64.621058	52.349011	43.261585
38.338421	41.408142	18.011883	15.104739	17.114969	32.814564
48.097719	52.527981	43.681511	32.331675	41.081074	55.527834
4.609742	4.594368	6.49813	3.744464	5.346002	5.254628
5.694767	4.84147	5.858808	3.709823	4.193757	5.144635
19.604574	18.408266	22.730989	15.489513	17.04039	22.885559
19.885139	15.132478	15.739464	10.430896	12.593859	17.077785
8.848664	6.793925	8.577437	4.45293	5.636315	6.369524
3.7464	3.930262	5.81512	3.974031	4.565445	3.615667
4.743347	3.778398	4.263748	2.391	3.731642	2.872223
21.862072	24.694485	30.609978	23.094905	25.137476	14.45905
17.043211	23.089554	25.100718	17.701962	20.061161	20.071957
16.674231	15.211967	12.024416	7.730748	9.628662	14.144632
7.274026	5.939522	7.244344	3.30767	5.35277	6.560674
14.756509	13.696473	16.768904	8.401164	12.353743	15.288044
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25.413054	31.260032	27.544275	16.041773	26.432131	33.538795
4.961158	7.912672	7.681941	4.098828	5.048888	7.051924

6.738983	8.81037	11.365475	5.999666	6.751666	8.700615
258.45752	266.471924	147.379059	156.692947	156.775208	293.304657
7.930342	7.57517	8.928895	5.159883	6.716444	10.073905
5.30637	5.298547	5.87582	3.408946	4.635442	4.796783
2.454252	26.409716	0	1.592358	2.487006	0.410391
46.948517	46.165451	28.714684	17.093113	26.451803	56.187485
20.105125	15.232471	11.877657	9.355194	11.922673	16.929049
5.98607	4.208663	3.89546	1.467499	1.818768	6.324493
25.095007	21.833321	21.718456	20.470648	22.288744	30.496637
48.994041	48.68565	27.466864	21.348219	26.855116	42.706211
23.580645	19.230423	13.859268	7.351847	10.776861	21.184343
2.07322	1.094198	0.639505	0.511497	0.805556	1.923072
0.862336	0	0	0	0	0
42.731369	65.952065	66.80098	56.983467	85.03199	77.428268
3.291511	3.689889	8.198877	4.604477	7.218583	6.993119
145.732964	39.634329	23.970772	28.795162	87.199647	31.447564
4.202944	3.890729	4.999676	4.258105	3.710852	3.285798
2.44192	1.754	2.857004	1.385097	1.608946	1.678572
0	0	0	0	0	0
0.500819	0	0	0	0	0
0	0	0.064483	0	0.108334	0.121259
2.079519	1.739246	0.989733	1.580773	2.145103	1.839253
3.393484	2.24967	0.725881	0.296914	0.826768	0.904648
0.118544	0	0	0	0	0.183692
0.050504	0.019053	0	0	0	0
0	0	0	0	0.011894	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
2.227412	1.4426	1.253075	1.037107	1.352611	0.325154
3.290596	2.084752	4.34052	2.354663	4.007209	1.958215
0	0	0	0	0	0
0	0	0	0	0	0
70.772507	63.336262	30.215609	26.409472	24.166201	90.803467
43.889324	53.481083	45.205152	45.402	34.827231	52.541901
58.90387	47.629093	51.291222	36.261604	37.924297	48.91864
16.027872	14.45279	19.579289	8.47167	15.032306	22.711404
21.365477	29.121449	31.651047	25.693737	35.080563	27.03042
26.619476	26.112422	26.417798	15.331346	17.314363	46.01272
0	0	0	0	0	0
24.03844	19.04858	25.146741	14.981049	25.417395	15.799129
5.231825	2.252725	2.593029	1.206282	1.469228	2.563541
2.202478	0.499727	0.453575	0.208615	0.524602	0.510626
0.373799	1.536169	0.191036	0.20157	0.531337	0.658943
13.209269	14.993311	12.302366	10.243226	16.650389	14.45757
6.03687	8.181547	8.846745	8.103955	7.15723	10.438695

0.136219	0	0	0.034932	0.034457	0.31384
1.944587	1.075495	1.187981	0.914448	0.903674	2.171368
6.823597	6.569394	6.242837	4.686933	5.265454	9.6337
3.776042	1.566477	1.867092	2.383387	3.384645	0
11.439301	8.918848	19.007689	12.256983	14.110252	7.932961
9.136189	7.494468	6.187296	4.050229	5.446861	11.188742
31.163292	42.224026	29.87356	32.247063	42.830143	39.463753
0.12163	0	0	0	0	0
0.443273	0.369439	0.472478	0	0	0.108701
12.614486	10.896202	12.808993	7.838438	12.091791	11.420673
0	0	0	0	0.046358	0
0.140375	0.143057	0.067857	0	0.076654	0.995822
2.039812	2.608493	1.764826	0.699588	0.937094	1.721612
33.761662	31.878426	37.049295	25.865942	41.812566	34.736311
0.583074	0.722535	0.383031	0.36139	0.562848	0.488139
13.739739	6.794114	11.678857	8.524432	10.132027	15.798321
1764.833008	1647.312744	1509.613159	1691.331177	1415.047729	2042.861938
441.440308	548.413208	499.817749	480.121216	539.162354	515.714417
320.745361	344.882965	460.592987	341.80191	457.11673	416.365479
71.9963	65.86367	65.523155	53.45528	46.460251	74.085548
33.425655	33.619835	25.630619	27.804682	27.702616	35.760857
17.34008	13.070895	12.488132	6.093025	10.644703	16.744751
0.646567	0.392654	2.974851	1.223749	1.124414	1.337999
25.450455	14.922387	12.219489	11.98651	13.245144	13.77523
42.197256	49.004809	35.921227	34.03655	31.926152	59.444954
75.424088	80.291412	54.86034	36.921684	40.887535	94.792191
34.251032	34.160058	36.575085	23.766009	31.19586	34.510044
28.061557	26.076679	22.275876	20.290152	17.512708	27.069128
11.33868	9.190613	9.163773	7.213597	8.112959	9.329304
0	0	0.4055	0	0	0
2.268647	1.502393	2.226772	1.3476	2.304776	2.246912
4.381063	3.735841	7.121389	3.828709	4.181263	5.211452
0.581773	0.754595	3.122039	0.713297	1.187738	0.188476
23.483061	22.563978	35.840233	22.571356	27.565123	37.320621
16.571413	19.909013	18.269758	14.098403	17.138931	19.782507
6.451206	4.696812	5.62856	3.418569	5.115647	7.064292
0.491399	0.66184	1.230554	0.276466	0.600268	0.661229
10.285303	9.161682	12.024411	6.787782	8.192679	11.261094
75.998047	63.82476	55.361832	29.766775	38.340557	74.826553
4.037442	2.629624	1.910181	0.715392	1.523412	2.420882
4.216031	2.124822	1.874013	2.119025	3.260533	8.168019
1.739562	1.929761	1.45753	1.278402	1.662943	1.323328
1.194662	1.093736	1.951601	0.896992	1.766334	1.086487
19.179467	17.917492	15.468488	8.898151	15.163333	15.224151
0.118681	0	0	0	0.137217	0
19.813719	23.555155	30.32354	23.379721	27.764009	17.318575
16.521305	16.282415	31.413101	23.517586	25.838943	12.791783
229.702316	242.758057	231.399994	229.3228	204.686356	272.399994
30.111372	34.639263	28.199768	29.94875	31.374041	33.07045

60.117249	43.885601	48.125336	34.56929	40.246552	52.340984
11.158914	7.749651	9.687318	3.760662	5.995304	11.188513
42.377213	43.66148	31.495945	29.927984	32.630428	43.876305
19.892002	11.735545	16.693462	14.790812	18.153059	13.559775
1.513206	0.823625	2.613345	1.419607	1.83997	1.289582
39.296875	35.889591	38.80455	22.469612	34.259457	31.809763
5.134047	3.785371	3.255488	1.625054	2.984568	4.998177
5.874454	6.934456	9.515173	6.837481	11.538504	5.78453
2.568936	7.443944	1.936131	3.724772	4.330847	13.440927
299.512726	322.472656	182.538956	125.763618	136.118073	275.40625
1.754668	0	0	0	0.058718	0
0	0	0	0	0	39.239735
22.804813	25.876646	29.373287	28.49749	32.836437	22.685024
27.384449	24.129036	23.725912	14.891977	17.167868	31.445379
9.21472	10.121323	8.826165	6.988859	8.727548	10.457528
0.572473	0.450983	0.17923	0.149541	0.508008	0.24469
0	0	0	0	0	0
60.450554	58.856048	66.540152	42.192679	54.857089	56.164936
0.719177	0	0	0	0	0.48001
0.136263	0.66395	0.099318	0	0	10.227296
0	0	0	0	0	0
13.078445	9.730691	9.602479	8.525401	9.423368	13.517906
0.976205	0.581495	0.770802	0.46037	0.557058	0.787131
0	0	0	0	0	0
0	0	0	0	0	0
18.267044	15.721005	12.941118	9.754445	11.233279	14.801189
0.027811	0.107304	0	0	0	0.066412
10.589579	0	0	0	0	0
0.443679	0.178195	0	0.279123	0.394503	0
20.216671	23.717268	15.159837	16.498585	19.257851	15.564588
0	0	0	0	0	0
16.91177	14.95772	16.858944	10.439744	16.114498	16.663887
0.425593	0	0	0	0	0
10.140272	11.778354	9.314047	11.804806	13.701643	4.087561
9.926212	1.190061	1.27293	0.910958	1.544134	0.309033
3.331589	2.866541	1.535125	0.998053	1.547572	2.542951
0.951011	0.793386	0.772147	0.447729	0.463144	0.808681
1.907228	1.600562	3.180368	1.411619	1.689688	1.301049
0.742333	0.384931	0.270478	0.445708	0.316591	0.150054
0.197597	1.222818	0.238017	0.161781	0.409849	0
0	0	0	0	0	0
9.656219	9.745837	8.870266	6.667366	8.068327	10.659437
43.621485	38.60729	32.446389	22.880377	24.491036	53.43474
0.591596	0.344584	0.299335	0.181274	0.281096	0.237918
42.039715	36.753368	30.574364	16.315289	27.476812	29.286594
67.563026	68.576538	72.719376	60.15292	68.929939	84.400787
58.065868	55.674065	42.027199	39.02943	46.390629	59.035988
89.527992	87.780167	94.831558	70.449425	80.433891	85.808571
10.03376	10.47102	10.212079	5.89469	7.781368	11.954519

11.457937	15.165486	9.67716	9.254811	10.360163	13.507483
0.358772	0.424462	0	0.120594	0	0
0	0	0	0	0	0.180109
0	0	0	0	0	0
22.110308	18.904839	22.800188	21.120646	23.478451	24.517292
3.841192	2.418157	2.33276	2.841643	3.037787	3.228209
10.53407	7.685114	11.734932	11.86812	8.032384	11.513316
4.224723	3.351349	0.772684	3.197384	4.164024	0.502599
65.894753	64.601631	57.965267	38.056515	44.439064	61.441925
27.826265	30.871767	24.260248	18.600512	21.039904	25.556335
15.687252	14.388389	11.712857	8.37263	12.116403	16.21253
32.670885	30.867122	39.543531	32.045666	27.94803	35.024017
15.143641	17.069077	17.414938	8.579636	12.704031	21.017738
6.767487	7.223086	8.544724	6.399708	7.79633	6.649048
37.775638	39.834871	50.31317	42.394985	45.197395	40.190735
9.68237	9.511146	10.600449	7.989893	8.983001	9.422123
3.029286	5.085252	9.351817	8.08817	8.761466	6.963586
28.467613	21.778687	19.113314	18.083652	20.488329	22.618114
0	0	0	0	0	0
94.214012	99.477409	75.164299	60.898979	72.623322	100.604462
18.058117	15.007266	18.434148	10.690887	15.009395	19.594126
2.087086	1.052413	3.555254	1.999027	2.024981	0.588104
15.031481	14.913593	15.207458	13.571058	14.402752	17.77821
0.074494	0.260701	0	0.062156	0.121261	0
37.915249	36.311909	30.010899	17.188356	20.867905	37.796734
29.203381	22.491072	18.940025	22.956474	22.216028	24.666697
21.80884	20.109985	22.629419	12.313855	19.186907	24.868317
4.253487	3.57022	6.826102	3.283786	5.012598	4.727922
15.004161	15.250805	18.518064	11.9112	15.65688	15.028006
24.874584	17.501421	21.649559	13.741765	15.804156	20.470253
34.065304	29.483236	30.131979	21.475101	26.65748	33.31628
30.055969	30.804591	21.34915	15.253543	19.992155	25.488706
9.514701	7.258918	7.718402	4.961082	5.429812	7.642223
7.840369	7.475384	6.185431	5.064824	5.975595	5.517269
0	0	0	0	0	0
42.460657	44.064457	35.998113	30.590504	35.571222	50.082117
28.838958	29.561441	18.144279	11.91306	17.328778	22.894079
6.940182	3.651432	4.548364	2.873709	3.945156	5.987262
14.006041	12.881207	20.594117	8.612177	10.799923	12.928874
11.400191	9.211985	7.823624	3.968105	7.348175	8.462984
20.243807	12.188349	9.040327	6.027295	12.665562	11.653717
4.008872	4.821803	4.070012	1.587244	1.938435	2.114108
0	0	0	0	0	0
0.492306	0.155064	0.067262	0.062038	0	0.29513
0	0	0	0	0	0
0	0.073071	0	0	0	0
0	0	0	0	0	0
3.829465	2.914096	3.64573	2.1242	3.877443	2.435031
0	0	0	0	0	0

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0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	586.952026
0	0	0	0	0	0
31.187017	9.876533	16.57682	12.476804	13.739478	32.085372
27.526815	29.524149	24.024176	17.274736	21.60006	30.163733
27.235634	21.841969	15.968968	10.488055	10.914368	21.648554
1.74625	2.290556	4.997736	6.642027	9.521325	1.73719
0.69179	0.72842	1.845426	0.814737	0.971429	0.215594
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
2.324315	2.495588	4.167059	1.586563	2.498904	1.779069
0.571148	0.73967	0.899553	0.3832	0.676854	0.563284
9.895296	7.705305	9.500802	6.499453	9.015653	4.244367
7.82052	7.132727	11.011274	7.433831	3.07031	9.426708
2.19643	0.596076	0.754945	0.206094	0.649156	0.475331
0.114164	0.075166	0	0.058674	0.190754	0
0.170263	0.185262	0.19302	0.220185	0.231846	0.33209
0.962574	1.29823	2.073216	1.149002	1.812831	0.632296
564.307922	432.911591	237.778564	328.206635	284.900848	587.826477
452.897369	583.784302	477.655609	533.704651	441.046875	629.999023
44.416149	39.26273	30.523319	27.604673	29.040266	43.705769
122.945618	123.530655	153.472931	150.417694	137.336029	139.350632
343.824921	370.06427	262.340729	253.742905	295.722382	426.719238
146.809695	149.742919	135.036549	117.876673	119.439777	148.365197
0.023503	0	0.009545	0.02606	0.012567	0
21.199639	21.459406	22.989154	13.584279	19.428591	16.932894
240.859283	263.988708	244.910614	148.990982	202.744598	279.159668
10.261888	16.587561	18.167566	27.676765	19.677729	9.358432
7.914032	26.522678	11.942551	7.728057	9.437225	6.38083
28.594109	23.699978	21.908569	14.692078	17.808054	32.956333
7.2496	7.904148	8.778125	6.353412	7.893172	8.986021
10.263185	7.760742	4.721297	2.526028	4.478944	6.742839
0.772758	0.557718	0.980249	0.482485	0.379496	0.345908
0.290615	0.126912	0	0.068267	0.324455	0
0	0	0	0	0	0
0	0	0	0	0	0
1.047674	2.476101	1.878115	1.098157	7.097886	0.081946
0	0	0	0	0	0
7.459685	2.979228	3.537648	1.404313	3.294923	2.721109
0.43739	0.221364	0.180172	0.161298	0.324118	0.216457
21.298725	20.652847	23.568737	17.845566	21.173914	22.950569
0	0.327719	0	0	0.090279	0.032913
15.263244	11.027908	13.820964	9.668426	6.554578	17.977659

12.659926	13.377731	14.340623	9.894565	11.165388	19.273432
0	0	0	0	0	0
2.080228	2.814598	5.118083	5.550478	5.1398	2.897983
10.748674	9.686959	9.448159	7.508761	7.536637	10.453721
0.820178	0.721966	0.167596	0.175048	0.317044	0.327302
19.460625	16.252815	23.951868	11.237197	17.385651	20.726934
7.264775	5.761825	11.377173	8.364053	9.912864	3.909307
41.053814	45.887948	37.747065	23.269468	34.671246	37.657974
12.643443	16.653134	19.796817	5.760553	24.758093	12.696369
59.122082	49.6702	52.676258	41.984642	45.120682	59.370922
14.488762	9.722605	10.411261	5.487788	8.371499	8.187661
1.544766	1.258608	1.011263	0	0.123018	0.591573
1.810398	0.207105	0.185927	0.161665	0.078323	0.108161
107.020142	112.587585	87.621613	74.871513	98.128075	110.342339
3.850497	6.889325	7.939749	5.971319	6.687198	5.489818
14.063751	10.774868	9.304416	5.813583	6.569507	13.551515
9.751519	8.266031	11.304272	9.062201	12.247073	10.895771
4.671872	5.260264	7.289432	4.69883	5.405739	5.510094
3.238818	2.115808	0.933636	0.670441	1.151608	1.16518
58.045719	60.210938	41.359818	27.051497	43.80711	55.602436
75.528748	70.897743	108.41951	59.376945	68.170853	66.597412
1.45714	1.723953	1.469223	0.906159	1.483736	1.167193
1.194993	1.218472	2.77837	0.586606	1.609416	0.530739
3.10423	1.418189	1.653746	0.438721	1.727714	1.921459
11.507035	11.506723	13.107038	8.792603	10.872992	10.767705
0.753435	0.211133	0	0	0.066352	0.187628
99.889996	124.589989	87.093631	81.553989	98.544462	118.589903
0.235908	0.377415	0.07603	0.19553	0.24215	2.516706
0.858093	0.257766	0.344216	0.060608	0.43005	0.137301
6.140838	5.578732	6.722919	3.622709	5.402703	5.299097
7.079486	8.065542	8.019292	6.696842	4.336863	5.296683
1.118169	0.979487	1.451415	0.89301	0.950948	0.979288
0.402157	0.379173	0.070821	0.168985	0.210799	0.095276
21.098915	27.589624	31.63942	23.216774	26.547464	34.993431
21.232904	19.894104	19.926712	25.700518	22.752939	24.217607
22.523239	21.048809	17.364759	17.692802	16.493258	22.017242
26.422903	23.037271	23.05435	17.572882	20.971272	26.818701
7.776632	6.929051	6.51339	4.4736	5.497813	6.257346
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
42.187027	17.741169	4.406877	2.502325	1.314388	11.494704
41.691696	1.241059	0.660806	2.193054	1.901991	1.206843
0.466674	17.790913	4.142123	0	0.436894	10.858755
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0	0	0.051459	0	0	0
0.200081	0.386974	0	0.100107	0.014447	2.311665
0	0	0	0	0	0
0	0	0	0	0	0
0	0.307432	0.135515	0.374968	0	0
117.116811	129.663496	127.82987	108.663671	119.278123	153.93462
8.603035	6.788291	10.515444	5.080853	6.092494	6.681765
17.930312	19.715756	17.61484	15.941037	14.362015	20.182343
15.002149	14.392442	16.073225	13.6305	11.006483	13.25364
29.521315	24.851843	25.13592	16.382841	19.490059	31.159302
5.539391	7.379757	8.078748	5.155458	5.413325	6.888596
20.592516	21.460184	22.616734	22.072796	17.366367	24.771898
0	0.081023	0	0	0	0
0	1.111456	1.370002	0.42306	0.23404	3.130209
7.008367	0	0	0	0	0
71.672773	84.785723	80.628637	57.328512	73.493717	57.425849
2.198492	1.639827	2.201339	1.497691	1.477545	1.334414
2.865196	22.660205	0.701504	2.844935	4.272442	1.318323
0.498352	0.172292	0.654226	0.499629	0.538424	0.478484
19.495115	15.199809	10.431984	8.333465	12.698592	17.259548
6.998167	6.195887	5.244461	2.516682	2.318513	4.917059
0.822139	4.672199	0	0.180301	0	0.783921
0	0	0	0	0	0
0.188892	0	0.079713	0	1.130756	0
0.131179	0.208662	0.108787	0.087543	0.128748	0.178999
0.050304	0.143383	0.060837	0.162275	0.606502	0.113945
0	0	0	0	0	0
0.424751	0.434578	0	0.081208	0.159317	1.101223
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11.666811	10.241255	6.67926	6.28423	8.005068	7.59392
30.61412	21.959457	11.151054	7.385123	13.936194	16.185875

16.648579	15.233268	20.515296	13.283168	15.510471	16.884714
6.783271	5.865963	10.909787	5.772298	7.809814	5.913076
0.565296	1.845714	1.67964	1.778912	2.122972	0.585776
2.417339	1.962237	5.314633	1.809562	3.321674	2.121567
0.182995	0.952358	0.091547	0.434329	0.46644	0.075212
0.793936	1.434011	2.872556	1.238499	1.686048	1.07277
1.251999	6.608242	0.557012	0.938808	2.037458	1.285879
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10.98191	9.959397	9.941657	7.705581	10.214251	9.957427
13.49082	16.574665	19.127038	12.151947	15.3968	20.495978
20.6696	21.635054	22.02809	14.63306	17.605165	24.869791
21.2665	20.315722	16.265343	10.022603	11.392501	24.632469
27.326475	22.941244	24.942308	20.159742	21.457462	31.710814
87.284668	60.663918	77.061707	59.188599	69.319603	46.340981
15.245279	11.61448	21.608309	13.940571	17.767315	10.028438
5.278853	4.489964	4.566991	3.211937	3.898543	5.102778
16.977535	10.102126	13.900539	11.809319	10.830853	13.694136
9.202984	11.831679	22.605072	15.585373	19.21262	6.981338
12.099264	9.239051	16.584892	9.373064	12.046009	10.279374
17.710672	19.362637	22.782396	16.621986	20.597342	19.337704
22.434097	24.54982	30.335802	20.277565	25.505323	28.148638
0.144234	0.091397	0	0	0	0.609884
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32.647484	32.778442	31.512806	36.233608	24.769072	43.318462
0.142705	0	0	0.045528	0.035015	0
14.258134	12.952843	13.004531	9.969919	9.858793	14.45388
3.086317	3.664026	3.94796	3.551722	2.756399	3.139553
47.653885	39.692791	46.780415	31.31278	33.675053	58.696144
7.889391	10.631256	11.067718	8.934753	7.387311	10.594076
7.306936	7.206886	8.150534	4.437862	5.139928	9.516294
7.454072	7.834081	10.667486	5.022292	8.322039	5.595811
125.136307	125.824585	77.582507	51.085396	68.302252	130.941998
21.058691	14.579074	21.530554	12.298893	17.443424	19.34083
3.917816	3.544648	4.881997	2.799481	3.798355	3.811655
4.221346	5.284012	3.133826	1.876065	5.139014	17.804174
0.333352	1.171325	0	0	0.383409	33.657265
0.10253	0.671228	0	0.068621	0.067087	0
1.392008	0.958927	0.44359	0.467211	0.687923	0.474682
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8.853371	3.901576	10.058352	4.380732	6.330712	4.148811
0.472693	0.300068	0.26032	0.13153	0.177559	0
5.887956	3.926494	2.946799	1.938909	2.825191	4.432431
1.301557	1.672381	0.627382	0.474248	0.963877	1.181224
15.087003	13.223614	9.477435	4.820749	5.993731	7.649658
0.319541	0	0	0.387013	0.681051	0.394529
15.005552	13.931014	13.948425	10.71623	14.033959	13.287593
53.831129	56.676407	65.035375	42.158406	61.03504	51.962313
14.03014	13.095927	21.240041	12.270504	16.477331	12.891891
14.005056	11.194373	17.686049	12.586049	15.085929	10.452283
1.109849	1.299366	1.435334	0.992574	2.014378	1.074678
12.495591	15.764857	14.730556	10.321167	14.28779	16.931452
0.378277	0.138277	0.588806	0.214807	0.532034	0.163673
0.186239	0.159069	0.230613	0.186967	0.126867	0.10933
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3.722134	2.77096	4.175412	1.289341	3.217981	0.724355
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18.601194	17.707906	21.735832	16.867776	24.777163	15.952701
19.075584	47.043102	43.638577	31.980967	45.998039	22.999699
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12.488256	19.644962	19.919607	16.870335	17.343639	12.899834
27.097397	20.762321	22.09133	12.828062	18.484667	22.450859
0.529217	0	0.673954	0	0.194779	0.677006
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0	0.607093	0.115719	0.367659	0.356691	0.390334
0.094824	0.109557	0.118818	0.163223	0.050505	0.071007
8.876575	29.771297	6.915769	20.746552	18.338863	1.94289
9.744619	12.087862	11.064453	8.225019	12.64642	10.846714
3.661083	1.583573	3.004291	1.060198	0.93377	2.094506
1.240479	1.108291	1.871244	0.967511	0.995394	1.377047
1124.583407	1048.343081	641.792512	536.944503	731.668289	846.360474
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72.146581	80.412691	90.870952	84.971507	64.176137	118.189511
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4.309543	2.738761	2.009032	1.072203	2.275494	3.913754
0.194075	0.111936	0.035884	0.082743	0.032358	0
1.658455	1.094371	0.959355	0.533041	0.851131	0.699514
7.781446	6.423218	4.504705	3.066494	4.201859	5.061912
23.813244	18.942398	23.144707	13.001291	18.259306	26.426691
17.476215	19.606431	16.0464	9.433656	12.53851	15.347261
55.589081	64.5187	48.452126	54.404541	54.31287	56.871284
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48.394028	41.993462	35.490355	34.462775	32.282653	42.532328
7.503782	9.276015	15.092072	7.734359	10.647516	9.07212
100.68856	82.191193	55.900749	49.126118	52.494862	93.79126
181.484451	156.721039	125.027267	118.985168	120.034882	179.348557
148.832779	127.518867	114.652657	141.388855	108.896408	133.962143
202.928726	131.065964	96.406502	104.407997	92.929604	174.38855
140.926849	151.869034	142.602051	124.834885	120.261009	186.237625
259.571503	268.207184	275.814636	292.962341	228.417206	338.680786
394.386438	401.941764	364.956637	413.599808	326.471135	434.370688

0.491461	0.461407	0.129444	0	0.793152	0
306.061188	335.44397	313.92926	373.1604	319.999451	314.833038
59.140835	52.186741	29.419371	28.108681	28.544716	70.870209
0.035317	0	0.002597	0	0.052697	0
234.463699	211.736832	156.282806	141.871078	145.408707	263.16803
207.940887	194.805832	129.311646	127.762764	119.287613	234.994766
281.575928	283.833191	214.546982	180.910034	200.270599	332.97583
137.006729	153.192856	85.697357	83.639168	79.660301	144.856689
223.68959	253.282898	201.995438	199.9534	194.268585	303.481171
154.112122	130.225449	115.390228	98.026154	97.336464	180.858383
73.425049	45.52364	26.586754	22.571959	37.62183	67.220894
38.924812	25.544844	11.655956	12.702536	19.208508	30.866404
160.734436	128.299561	108.021446	98.873894	101.000687	159.654495
74.863213	65.141571	55.30265	47.76767	45.859253	86.383202
141.258316	134.538605	102.239128	94.707298	90.090431	162.572891
22.355347	22.576817	21.280375	18.234959	17.845753	28.991755
104.993805	93.84256	66.00499	48.368279	59.991276	111.77343
120.915489	108.878799	70.395447	70.081299	62.962612	126.441948
100.240906	91.81813	80.454315	104.774483	74.563766	114.713699
84.025681	70.280602	46.355442	45.554455	47.490818	78.010498
26.666783	26.601146	25.669849	26.587183	27.493663	30.072793
58.712696	60.828152	47.739655	46.001381	48.701511	62.603928
58.882778	49.608322	41.968018	37.745903	37.989742	58.070042
75.519913	79.349762	49.960918	44.026775	47.260559	91.085411
97.954201	82.402267	85.834145	94.894875	69.990364	109.915627
131.056899	121.125717	81.648834	73.046077	77.989811	131.560142
70.844788	72.501717	57.473171	38.632374	52.833622	73.401924
156.829846	166.411155	147.450203	167.968949	143.692909	186.293224
34.382881	29.350641	30.110956	21.218225	21.637751	35.267597
57.064468	50.223927	45.116859	40.552143	39.847481	61.48077
135.182953	123.702705	99.771378	76.042847	88.740219	132.462936
173.233078	170.723145	131.791672	152.951431	158.341736	194.161087
18.686062	18.694437	14.227711	12.605182	14.225601	23.143108
125.08802	136.936401	93.62468	102.413666	122.028954	145.356705
209.041877	221.52034	126.615417	156.262192	161.314896	272.788788
26.070595	22.832941	10.448338	14.753471	14.868297	24.379929
45.883511	38.361702	33.453419	25.891821	25.201378	42.659389
11.638687	8.077268	10.540668	7.039351	9.362581	9.651834
7.736389	6.608118	7.525761	4.339756	5.974947	7.121784
34.931126	40.291595	24.761612	23.003382	23.657518	35.46043
37.142635	32.861561	30.318653	33.359478	23.344246	31.778559
41.638451	48.039364	29.307211	23.621235	25.964598	46.050152
55.598528	70.556873	75.602062	81.752806	60.489006	53.894446
2.429159	0.304741	1.145791	0.722075	0.880355	0.975729
12.211744	11.102468	11.79144	9.452745	10.151509	13.155282
25.449684	31.999235	26.380527	26.523609	17.24737	37.171318
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8.402092	4.149585	3.031127	2.015081	2.473574	2.563033
22.01585	18.477522	24.56514	26.743855	22.542652	23.807339

27.239433	22.907475	17.271711	14.123979	16.628365	16.372128
3.496521	3.062745	3.781185	1.195979	1.627004	3.289424
3.442949	1.133421	1.281621	1.163319	2.368947	1.082003
2.024389	1.704589	1.695618	2.046659	2.17488	3.06311
87.182022	79.187645	86.071724	55.444426	71.067179	89.667015
8.336024	7.6036	16.802874	11.888889	10.858298	9.90165
13.034109	9.367442	8.794073	8.491219	8.677464	6.152429
7.010035	6.882324	8.061219	4.366717	5.86409	8.989551
14.698366	12.832578	13.069878	8.291189	9.913309	14.651689
27.051914	26.764885	27.227989	22.311178	21.653221	33.478889
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18.423256	19.169872	15.586011	11.207457	13.893732	21.692484
10.983249	11.917498	11.456728	9.319039	12.047565	15.704351
10.19177	8.345614	7.344272	6.075083	7.874036	6.392727
5.603481	8.678043	6.220248	3.405566	3.909926	5.447819
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14.34093	13.290106	16.859566	6.492145	10.043659	11.355444
3.26386	1.285168	1.901533	0.833965	0.987016	2.240602
3.304513	4.728701	2.292985	1.72174	1.971105	1.130713
6.826982	3.48588	2.118773	1.466031	3.456501	3.831751
3.565696	1.952994	3.427956	2.286602	4.307741	1.529453
12.35351	10.937669	9.27422	6.751317	8.740826	16.593527
53.637684	55.504612	36.457245	41.25449	38.035233	56.216282
7.998701	6.621018	6.69408	6.120504	6.860575	6.212626
0.421131	0.088585	0.183766	0.034575	0.033351	0.129235
28.187981	19.56595	23.356812	10.711163	21.661863	22.092855
1.203738	0.735745	0.718918	0.228872	0.621744	0.202209
26.149746	16.321472	9.962095	6.850236	20.793228	7.910787
18.999794	13.947383	10.267601	8.905278	8.980406	32.86747
21.27363	22.624933	23.94028	18.388518	10.501955	14.148468
45.590572	49.821526	45.352283	28.529854	48.187405	61.061707
15.77418	6.673167	5.094912	10.42721	9.547163	9.298273
0.547345	0.641079	0.52709	0.203891	0.07475	0.528632
3.116095	1.269414	1.087823	0.768849	1.098413	1.601624
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6.090759	5.875004	2.311735	2.623599	3.189922	5.700335

14.893325	13.956356	14.518512	10.865719	12.086803	13.500657
16.118631	12.905161	13.951895	8.905886	13.779336	16.496213
0	0	0.071738	0	0	0.226853
10.768538	5.804839	3.659358	1.951858	5.613171	4.551696
733.635803	771.414551	622.620911	583.453735	633.714478	802.43689
363.04483	425.817291	279.243774	225.391357	277.239807	324.131317
17.064186	9.322121	3.915146	3.793783	6.196884	7.272013
52.325924	51.707657	56.779873	37.317986	49.080135	41.230793
6.546626	10.654837	8.372391	11.069638	11.82824	11.366343
76.08308	64.81133	48.36611	47.865505	46.190035	67.482599
12.357689	8.709949	7.988251	5.911043	7.086205	7.03687
2.390298	2.50434	4.966652	2.102015	2.956038	1.838748
36.623085	32.036388	37.06353	29.846987	30.805063	46.555008
35.177784	36.081787	25.943052	17.982134	26.801823	24.910038
18.917636	10.444572	10.196404	9.303222	14.437099	7.751008
32.524216	28.48991	26.348879	16.710699	25.136658	31.513983
4.834098	8.158042	14.942006	8.368514	12.053033	6.170109
5.417113	5.519471	7.510912	3.788053	5.257111	4.337514
32.410652	24.91036	17.040012	14.901598	19.586107	28.821932
21.999921	24.02616	20.602041	24.874207	25.152756	29.746626
0	0	0	0	0	0
6.102585	6.898142	10.106593	6.481433	7.845045	7.184171
4.544707	4.029579	2.097283	1.620465	1.977976	2.511156
15.905443	15.272516	21.908741	13.61993	19.775429	13.327462
1.402028	1.67078	1.282933	0.817095	1.337629	1.387456
0.483898	0.632967	1.085726	0.63912	0.585685	0.323324
0.360792	0.062423	0.105191	0	0.142595	0.34749
53.269413	42.745445	24.283932	14.20827	17.014433	48.721119
11.668967	7.288453	3.926264	2.138868	3.437236	7.055385
11.416927	10.012934	11.767672	7.506357	9.22809	10.079735
30.971857	30.489706	43.52449	26.4394	37.033337	31.330854
2.589694	2.134305	4.267789	2.377283	3.095057	3.171132
15.300231	10.418717	8.664567	6.777224	7.639889	8.590978
2.922955	0.814379	0.971837	0.630171	2.27387	0.841834
0.890531	0.702127	0.072436	0.091854	0.201615	1.226304
8.052079	6.465943	7.22459	3.782996	5.050997	7.182864
11.234355	16.194078	17.229528	10.984415	12.447247	14.375261
3.176212	2.722502	3.246032	2.067599	2.975381	3.226064
0	0	0	0	0	11.581511
6.569416	4.935742	4.768957	1.969956	3.731368	3.024476
5.199657	5.261919	4.93902	4.611554	6.768722	5.207132
2.318853	1.160853	1.053021	0.603251	1.132021	1.069268
27.292215	33.232098	37.962841	39.825367	58.514236	35.916206
0.048641	0	0.082042	0	0	0.16593
1.896642	1.123961	1.145914	0.332684	0.894159	1.202959
0	0	0	0	0	0
0.241229	0	0.095479	0	0	2.753767
50.906491	66.797969	90.185829	57.367342	79.21025	57.509473
0	0.015813	0	0	0	0

0	0	0	0	0	0
0.422304	0.265855	0.215356	0.233835	0.310474	0.273112
4.171515	1.325627	0.872725	0.239759	0.965049	0.74539
0	0	0	0	0	0
131.556778	155.691528	149.232361	93.068604	100.592537	117.963959
26.784849	26.277092	24.988207	26.010376	30.14736	24.276432
12.286167	13.118954	15.461912	9.989268	10.582321	16.186632
3.317391	2.924361	3.369722	2.433631	3.040031	3.962347
31.30105	28.161182	28.309254	23.431961	18.882109	27.142025
36.440468	32.958451	26.608842	18.964569	17.659772	60.426475
84.094765	93.421303	90.898659	69.357613	86.365532	86.421829
1.75772	0.225594	1.373081	0.198507	1.431457	0.262621
0	0	0	0	0	0
61.37604	67.773723	71.835121	52.828616	61.108675	76.799181
12.385752	12.820898	13.529991	9.183531	12.481275	11.503691
10.308475	21.582204	22.082667	19.893888	22.606991	20.670483
18.801062	14.175719	13.06031	11.72875	12.527516	12.049353
15.006315	10.909	11.359452	8.477615	9.2511	11.644033
4.140999	3.40718	4.382547	2.535508	4.448583	2.76645
24.091502	30.110156	23.490769	16.705028	18.630074	28.126448
5.903139	2.904964	7.041584	4.599329	4.286229	3.146099
7.008525	7.046402	9.382896	5.033135	5.197851	7.191821
18.368256	11.954815	18.578045	11.842689	19.177204	14.108645
4.637747	3.533053	3.379555	1.480395	1.656854	3.975344
12.946878	13.550353	18.148266	10.572702	11.472212	16.002384
159.430511	0	0	0	0	0
20.567995	16.552122	20.473356	18.604452	24.001955	27.135525
10.445791	15.574868	13.849986	7.954268	13.583522	9.502465
27.087375	25.667646	14.907084	16.573836	25.876957	30.520011
8.693187	7.507333	4.793244	4.894954	6.561106	11.079789
1.952381	0.770723	0.656565	0.217187	0.600277	0.867107
49.180054	69.957458	129.750763	150.002441	83.853142	74.264252
15.45208	12.313516	12.457844	11.317013	9.286425	17.169802
10.397361	10.491508	8.94475	5.910781	6.76767	10.313318
7.38147	6.953489	9.366196	6.329678	7.201501	6.127122
9.62711	10.992408	8.86073	6.172801	7.08478	7.940909
20.183208	30.527679	21.322989	22.363827	32.98674	39.713051
32.536617	36.949753	48.583652	33.891029	56.968102	44.282246
17.96104	11.882802	15.349032	9.236619	14.638888	9.075982
4.645564	8.908388	1.433267	2.27196	1.70227	3.27187
4.649241	9.028993	10.113075	5.886865	8.729121	7.114122
43.146733	44.397241	48.990559	28.485742	37.635355	38.534192
0	0	0	0	0	0
10.710347	12.649578	10.586185	10.329255	13.434639	9.100718
32.583748	30.716761	22.795252	18.128565	20.912786	41.211952
1.88883	4.501135	3.689101	3.015932	3.535966	3.20145
50.690918	51.266228	42.97522	31.183535	31.373199	55.760418
20.376131	22.252928	18.100124	11.765312	12.258054	22.189724
1.56649	0.23854	0	0	0	0.095488

0.252607	0	0	0	0	0
13.49437	10.776985	13.620758	7.757454	10.711891	13.220395
34.959206	44.675793	38.368538	23.375832	28.433451	36.566135
66.219597	0.428657	0.547128	0.187457	0.392413	0.337473
0.810761	0.298771	0.72149	0	0.297694	0
29.96774	28.521828	36.759734	16.85848	23.897151	28.422751
7.889599	3.633106	2.611692	2.128075	1.744443	3.975758
2.397218	2.473098	4.139594	3.791141	3.43874	3.267568
6.230875	5.212454	10.953993	5.703262	7.824327	3.922125
3.009068	3.16073	2.99073	2.530937	2.722568	2.755186
0	0	0	0	0	3.314519
8.892755	90.653923	7.722927	26.725332	45.392235	6.303985
34.300919	33.941588	40.690319	28.879461	32.181949	43.872013
42.859371	53.746735	34.614853	25.883495	29.301413	48.90411
23.150362	17.828379	23.694479	18.756678	21.375703	17.16464
1.732734	4.746563	1.448244	1.569484	0.501989	1.60176
9.249909	6.535903	6.08892	3.236324	5.269389	7.095907
1.711098	11.502171	0	1.700791	1.747167	0.602559
1.973096	1.516292	4.477114	1.407962	1.58668	2.682231
0	0	0	0	0	0
26.356384	27.594136	28.671702	17.599258	22.609349	22.433414
0	0	0	0	0	0
6.330236	4.211633	4.470807	2.72817	2.510354	6.535944
2.992389	2.624101	4.236385	2.360175	2.876844	2.540195
65.077925	70.437544	59.870279	49.094028	60.069099	55.600252
7.326196	7.590261	6.745812	3.867864	3.798857	7.541185
22.420582	17.857336	22.156561	21.960289	18.569103	17.726942
10.873161	8.683866	11.97923	7.210762	9.092303	9.953952
18.39502	17.216328	25.351186	17.126185	19.48045	17.105489
7.483336	5.810368	7.082014	4.256237	5.564309	4.796092
11.452103	12.057691	15.684092	13.430521	16.171171	9.540754
18.24699	17.53955	18.761873	13.146401	17.260965	12.43578
47.090309	57.444721	52.957703	46.902195	49.530357	44.748981
0	0	0	0	0	0
0.776597	1.19487	1.598628	1.120777	1.565784	0.697481
69.685905	53.249622	42.095898	36.697952	43.393982	65.590157
30.735855	30.015594	29.781605	22.561668	27.018082	30.103107
8.815577	7.447667	12.481291	7.08113	7.621843	7.853886
48.409325	35.031261	29.70022	33.375381	35.097015	40.522797
17.672173	15.068535	17.046206	10.895981	12.885761	14.582165
3.694639	3.239583	4.931401	2.134104	2.447865	4.647355
1.965788	0.842814	1.656404	1.124283	1.251218	0.913275
7.391815	6.385231	10.44073	5.750451	7.562391	7.92758
0.184967	0.201689	0.07015	0	0.222375	0
0	0	0	0	0	0
0	0	0	0	0	0
21.47394	18.9757	19.8541	12.290918	15.694608	17.465972
32.219162	30.304255	30.57497	21.666374	29.350222	22.692585
20.984031	18.880463	19.157393	15.214608	16.013689	12.286824

55.59407	41.78928	39.304256	29.963535	35.209621	37.568596
5.016355	3.90683	3.867906	2.179012	5.821341	2.140924
0.733761	2.18493	0.430968	0.248954	1.151145	14.406636
12.133873	17.413008	18.199551	14.600593	11.246959	19.573606
2.099017	2.214736	1.09391	0.91421	0.450275	4.833537
66.401184	63.453701	54.720387	30.398239	46.371193	56.36718
13.546438	10.989111	6.766299	7.031469	11.377793	9.770551
35.218246	27.887976	28.002754	18.105686	23.279888	25.107086
23.685228	21.29068	22.359703	17.77944	21.576393	26.877033
7.862981	6.000851	7.787063	3.601717	4.589892	5.493622
46.357903	42.576565	44.514614	35.165993	44.881805	39.588306
0.097584	0.420526	0.089283	0.359935	0	5.674444
0	0	0	0	0.150519	0
64.153152	42.860027	42.314018	28.994591	20.48011	30.332327
2.147838	2.002846	1.769483	1.232226	1.536031	2.396089
0.418464	0.228348	0.349179	0.061871	0.273004	0.415132
18.516535	17.309162	18.867708	13.078379	16.209007	15.146146
24.509169	21.217499	12.412225	8.84322	10.055283	20.12632
90.798698	87.874092	62.102478	54.727699	65.599457	75.804382
4.45205	3.181535	5.424757	3.686097	4.397703	3.69082
2.750569	1.099344	1.074665	0.755537	1.071065	3.483078
57.224396	49.66465	61.008896	38.854053	48.878395	47.934528
23.978426	17.394974	18.167969	8.145261	11.629034	21.339973
0.977815	0	1.35853	0.458098	1.133565	0.615543
7.811335	5.851829	6.509072	4.207091	6.678425	6.247575
38.400669	41.059476	61.853494	38.971447	44.118084	45.659033
29.54282	23.940193	29.867407	15.212769	22.281923	30.74181
0.626251	0.292739	0.851882	0.261343	0.482909	0.271037
0.630609	0.152058	0.25501	0	0.260133	0.44767
1.156761	0.618771	0	0.289676	0.189221	1.282929
0.481994	0.238947	0.148515	0.205127	0.125547	0.209459
0.282642	0.17215	0.177171	0.157008	0.109642	0.121949
9.155206	10.609134	10.825867	5.69567	9.24854	10.859032
0.203911	0.450788	0	0	0	0.156201
0	0	0	0	0	0.052876
5.861943	7.408423	4.526943	2.447362	3.863192	6.499668
12.416475	11.89246	14.264392	9.852597	11.881849	10.809922
9.259789	9.82075	12.466816	9.850362	11.779015	10.415748
39.842159	17.508438	14.801299	6.069842	10.993942	18.035187
8.673669	12.870569	12.897586	9.24028	11.87295	12.327335
0.966174	0.278614	0.207015	0.040914	0.240001	0.278063
12.324974	14.100805	12.656529	7.988489	10.548903	13.498444
0	0	0.243131	0.196561	0.304491	0
10.211095	6.995317	10.401504	5.172096	8.715199	8.64714
3.905834	2.713032	1.191447	1.376563	2.10154	1.595469
10.513475	11.323085	6.999816	6.955454	7.415654	15.054186
38.950294	32.137924	30.400513	21.239182	30.379128	33.033516
21.538183	21.624893	21.350891	21.154461	21.229961	26.437181
19.967787	18.873238	21.204962	15.112098	18.97893	16.909466

45.649444	111.408646	98.601934	76.014686	91.811295	125.154468
19.309595	19.859271	13.935979	14.974919	17.911258	13.296335
2.230063	2.803868	2.824306	1.362141	2.638927	2.277692
116.175575	106.960056	97.576549	77.517165	97.079448	119.936199
8.851527	7.384991	8.95914	3.273829	6.496705	6.035855
51.87009	50.08231	46.453762	31.562101	38.335617	56.302532
15.255517	10.012375	7.746826	6.361036	6.207116	8.765708
28.837154	27.993687	31.186083	33.856438	30.270493	37.820515
0	0	0	0	0	0
86.439812	104.035492	101.958015	97.315979	113.92453	81.209251
11.859417	10.382992	11.082927	6.842741	9.935816	6.834004
8.596908	7.286776	11.488883	7.037753	10.816216	6.151927
19.786833	20.807871	19.687119	17.697975	17.758736	25.661747
8.242135	7.724796	12.891517	8.542937	11.04536	7.391692
3.039861	3.366158	4.667328	3.901528	4.082108	3.112923
10.040342	9.33023	10.409202	7.647559	10.078084	9.917625
9.947695	7.832425	11.361127	7.356582	8.637815	8.825651
116.415832	98.002928	99.192553	98.067257	85.477323	92.069932
10.353338	9.040534	11.916141	6.235884	7.174935	11.740507
2.925831	2.851189	2.048574	1.501398	2.940084	3.422796
5.56646	5.732232	6.313434	5.577163	4.848407	4.392825
36.898277	31.193396	35.034988	22.767031	32.836761	29.301203
172.990494	157.476639	140.632309	113.225761	123.474678	170.34816
38.81139	38.245148	13.401383	8.779055	11.945228	25.309385
11.834248	7.969433	9.358239	4.58686	7.430047	4.577158
38.249906	36.290163	36.423062	20.526542	19.160654	44.921622
15.13677	15.999987	10.05198	9.547567	8.704354	16.595221
7.573691	4.857792	5.740637	4.492523	5.038474	5.432337
3.809875	4.204213	6.821913	4.909878	4.5349	6.49849
35.568321	35.409908	34.732788	25.662554	30.309742	40.737152
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22.362621	21.099965	21.430944	13.873565	19.180058	23.204214
27.726562	28.350033	26.756718	20.636749	23.231615	30.133348
5.345545	3.726671	6.776845	4.404415	5.370993	5.180583
10.864021	7.779875	6.707148	5.629566	4.227585	10.152459
7.085595	6.072049	6.463882	3.765266	3.445844	7.650021
0	0	0	0	0	0
4.900891	20.548139	9.40949	12.175942	12.880787	8.694456
2.106505	2.585692	1.359371	1.279985	1.601319	1.303022
2.971185	2.989981	4.066203	2.007981	2.619199	4.31298
8.253502	5.605476	10.269398	5.755784	7.381506	5.842103
2.507814	2.426555	4.49309	1.825433	2.483908	1.346257
4.420298	3.472559	2.947533	1.603726	1.522422	4.029189
3.531572	3.112696	4.40166	2.517354	3.881766	3.517743
16.609566	14.125751	20.461399	11.928908	12.549024	15.280155
1.656003	1.595576	3.095913	1.878545	2.681999	0.428948
0.718234	0.767843	2.538354	1.115526	1.909028	1.149429
36.665161	36.4711	34.142155	24.687197	30.993826	43.651756
0	0	0.695902	0	0.855608	0.592771

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1.067121	0.809001	0.79728	0	0.572318	0
3.455742	1.559886	0.236249	0.509508	0	2.884082
2.214684	1.392718	0.922321	0.654986	0.545277	1.862976
37.479446	33.881165	34.263893	25.073105	32.108276	32.623013
0	0	0	0	0	0
0	0	0	0	0	0
6.119051	6.165588	15.164869	8.206462	11.14454	5.578857
38.540341	49.410923	57.848221	47.750332	59.025047	46.064012
0.462643	0.34169	0.096933	0.100132	0.098331	0
28.591721	25.042761	18.027184	23.971542	20.29118	24.277321
53.815258	52.177021	49.841339	36.267902	42.267845	45.249649
32.128069	26.514571	21.69934	15.025967	20.90371	23.702747
2.06799	3.444993	4.355018	3.027273	3.720805	2.560033
2.372249	2.258753	3.234055	2.291993	2.93816	1.987429
4.887161	3.873128	5.282643	3.069871	4.11365	1.62031
14.229319	8.32673	11.413356	6.34951	12.866581	9.532771
0.552996	0.309661	0.582209	0.253224	0.471949	0.493266
4.459528	5.029806	6.729732	4.973125	7.184535	7.325631
95.237264	106.009968	112.825713	101.122359	102.919571	123.596139
0	0	0	0	0	0
6.102969	7.972304	3.498403	2.639668	3.203707	8.026934
19.053339	7.156662	5.507047	4.513027	6.086658	11.511984
6.737248	5.464043	8.017097	4.382965	5.630989	4.121509
232.661774	245.059189	181.650787	198.4944	169.51709	289.840546
361.646057	348.667877	230.127197	205.37561	187.4599	392.999664
9.435077	8.949359	13.825692	6.962619	11.294052	8.792912
0.1633	0	0.182557	0.074517	0.056922	0.111415
9.885098	6.564829	7.185913	5.643297	6.055995	7.790462
41.727546	42.741727	40.012734	24.319861	34.586285	35.525409
0	0	0	0	0	0
2.282815	2.025466	2.89898	2.39292	1.619227	1.920627
16.637749	14.535887	15.73232	14.489857	18.574209	18.088015
52.69516	53.139791	31.284794	25.153286	26.501051	62.801815
26.250724	27.442295	15.807029	13.91777	15.152746	36.483242
34.997707	29.702425	23.700993	25.052853	23.740984	31.781889
154.688828	119.131363	103.932686	109.256775	118.071381	118.440102
2.019836	2.695966	2.704309	1.841811	2.456765	1.748846
2.3156	2.468266	1.603081	1.32248	1.596594	2.388356
32.463894	21.92481	26.536177	21.440084	23.259893	29.688536
19.180868	18.819426	11.666414	10.682121	11.619081	12.399668
23.403419	18.911978	16.615038	10.661157	13.815431	19.191196
10.088453	6.542802	6.506077	6.134066	6.769827	7.100667
15.925518	10.392209	14.966358	9.567261	12.506313	12.043099
3.202291	3.215005	4.589919	2.740544	3.543988	2.873426
7.065042	12.289427	18.375963	14.045631	22.229196	8.196237
1.580033	2.855353	0.550935	1.063564	1.242668	0.492196
0.75625	0.370135	0.38642	0.106005	0.435532	0.286853
3.418068	3.004846	4.535029	2.534837	3.00224	2.68477

0.621021	0.920563	1.469478	0.330422	1.202287	2.020212
4.761873	4.597882	4.297522	2.67619	4.157719	3.875389
2.360214	1.198256	0.719333	0.469769	0.809245	0.607792
21.832879	34.054074	42.21045	25.208216	34.538914	20.015087
1.76295	2.01066	0.609842	0.943813	1.656326	0.245522
37.88603	57.14824	60.550514	37.325458	54.384874	30.745206
2.90401	11.691366	3.989179	3.643772	2.744334	2.60212
75.268349	282.101471	146.491562	187.533295	411.828735	31.886629
63.264103	63.248562	52.247211	44.97488	42.225212	75.633942
10.670275	10.555538	12.446895	8.312788	7.815654	9.79509
8.145654	6.991031	8.157925	6.323403	9.455088	7.700886
3.217182	2.192359	4.615067	3.996141	4.173264	3.895236
31.558479	31.721935	41.074928	30.455242	43.767822	40.480545
21.93712	18.584538	40.458721	23.318342	30.894352	14.517073
0.115991	0.118914	0.046033	0	0.090952	0.095475
3.007054	2.386092	3.727497	3.195346	3.060154	2.563921
5.004413	4.672622	2.694859	1.555812	2.496055	3.797385
0.128492	0.444992	0.068558	0.372632	0.139093	0.482596
1.763423	0	0.077989	0	0	0
0	0	0	0	0	0.148749
0.400244	0.273083	0.424821	0.454001	0.233258	0.119444
4.024428	2.248877	2.924407	2.065618	4.136385	4.168837
0	0	0	0	0	0
0	0	0	0	0.070091	0
0.090713	0.132949	0.056637	0	0	0.544946
1.249095	2.143629	0.245901	0.507213	0.491977	0.314504
4.482675	3.603918	1.930357	1.611794	3.06755	3.895931
1.725878	0.710008	0.901983	0.255496	0.509782	0.571297
5.179821	4.935936	3.131998	1.848083	2.930477	1.261215
6.068964	3.690445	2.775882	1.258211	3.216083	2.499042
0.717596	1.223394	0.896017	0.887942	1.295084	0.605329
0.255619	0	0.031689	0.037119	0.080865	0.132887
14.720238	17.342978	13.87132	12.939055	23.025402	8.3586
7.212811	9.90581	4.560047	3.383133	8.784387	2.897983
2.930656	0.720824	1.460955	0.502633	1.524971	0.64803
0.697563	0.648176	0.524642	0.5482	0.396784	0.455141
63.380673	50.974384	54.456752	37.304705	41.267665	66.050634
0.043471	0.18611	0	0	0	0.014236
12.919644	4.966943	7.733277	2.252771	4.199654	5.210217
17.502445	16.499672	9.312528	5.610933	7.74879	16.922483
12.560463	9.485842	9.1927	4.136766	5.936356	6.914865
11.989266	9.996547	9.493214	5.143844	5.303501	9.256679
0.114388	0.38609	0.133333	0.116394	0.454663	0.965485
2.723847	5.769083	7.32938	4.488439	4.400687	9.602748
6.691817	6.703197	10.596852	8.994696	12.634275	6.78641
0.071775	0.305641	0.335061	0	0.105196	0.244847
21.946175	24.083109	32.013226	16.220779	23.684883	26.555937
0.095249	0.065333	0	0	0.149076	0.33706
0	0	0	0	0	0

2.404129	1.749308	2.615822	1.802389	2.837339	2.560618
3.231846	2.854256	4.540879	3.440958	3.287873	3.484573
4.237222	2.703939	6.38538	2.24342	3.631979	3.273146
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59.799488	59.331791	55.266529	56.720116	51.693901	72.626694
11.304915	9.327024	10.759743	8.238768	8.50619	9.584439
23.865799	17.005031	21.667196	12.22957	17.676838	17.456348
59.077896	60.317154	59.786007	56.053852	50.753841	72.900658
9.911492	6.109605	7.701552	4.908505	5.898291	7.148599
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6.639041	5.272678	9.599662	5.590128	7.161633	8.246804
37.031832	36.707583	48.827094	25.738001	30.344322	37.083948
29.839878	25.981609	27.573227	17.680014	22.662756	26.670256
1.007589	0	0	0	0.028573	0
31.508326	31.570815	37.532376	24.928515	28.463194	19.781737
0.066895	0.225903	0.17669	0	0.143784	0
2.743732	3.308978	2.059113	3.177751	1.73004	2.004189
4.455626	3.713878	5.320366	3.172316	2.421233	4.334759
6.796699	5.009941	8.958323	4.258066	7.676028	5.219578
17.737858	16.529727	16.48846	9.614814	13.777615	15.892672
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5.010471	3.261639	6.07734	3.805752	3.882395	3.489877
5.487521	4.478534	6.993982	4.388454	6.421234	4.50824
14.802657	14.64532	12.544004	7.857022	10.025027	13.574264
5.751566	5.511421	8.036747	5.596402	6.535934	5.720204
8.101557	10.196601	12.600996	5.11777	8.544905	10.331149
82.417526	71.061699	68.005333	56.247646	60.180538	72.422699
16.395915	11.900126	13.752915	15.873178	13.111837	13.710097
5.853989	5.334332	5.595954	2.890422	3.453873	6.517323
0.259819	0.069203	0.025101	0	0	0
32.972004	32.948891	37.335659	32.677166	31.362047	36.379898
2.005467	0	0	0	0	0.223048
123.778671	73.760544	71.159584	84.843948	93.564713	50.658714
6.976973	4.563175	9.109743	4.935639	5.393365	4.971924
5.339708	3.451004	3.745692	3.045747	3.57137	4.333622
19.052216	14.68464	16.43148	10.659399	12.220877	16.759079
366.911295	244.215917	427.987545	449.319726	381.782508	406.314582
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7.85306	9.006169	17.322166	9.727612	12.131677	6.908737
10.098104	7.668413	9.226271	7.220279	6.400955	11.70505
16.901888	11.579609	12.383612	7.601933	13.975298	12.338497
73.654389	53.836258	80.780104	80.386061	80.126457	45.171825
1.035644	0.90402	0.948173	0	0.435978	0
9.7445	7.805187	9.692903	6.099244	6.944265	8.635607
2.406318	1.497468	3.076084	2.712532	2.314588	1.501111
31.42502	39.96027	29.897953	20.705376	26.578363	37.100426
7.146847	5.304379	4.854907	3.268283	3.632566	5.451961
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23.601866	19.804087	15.256881	12.119406	11.422728	26.279419
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4.803831	4.374826	2.703711	2.127988	2.537339	7.72387
4.540696	3.234522	4.500835	2.824731	3.465343	3.221319
9.877546	6.658759	10.334687	8.072044	10.252995	7.815636
42.51437	34.400459	51.2714	31.990879	36.254585	29.643682
21.066856	18.085552	15.296842	13.089754	16.503031	17.193502
51.770744	49.49505	70.305445	62.885844	61.735635	53.272837
67.943747	61.933432	38.889558	43.053873	39.650247	64.335028
55.564118	47.33641	57.791364	53.582175	57.948836	46.029434
15.153278	14.922475	17.7394	13.056622	18.309914	11.514619
3.105507	1.358906	0.904995	0.721779	1.634225	0.659
16.868613	9.485151	21.987166	10.49007	11.656434	11.363559
15.797156	12.583941	9.032351	11.40695	11.379084	15.097619
33.584405	35.883677	35.263189	26.969165	30.459417	39.186452
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51.204918	60.170734	16.013021	22.400162	32.432644	22.884657
9.001916	12.370526	13.957231	16.808537	16.09828	1051.151489
0.081005	0.037056	0	0	0.026017	0
31.152865	319.902113	29.524227	65.630898	76.74106	13.914082
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21.296126	20.893419	24.850214	21.054782	20.026047	16.596087
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11.210509	11.749537	7.039982	8.388504	14.644113	5.382654
3.752652	5.059837	1.605031	1.980011	3.341505	4.788249
5.19908	4.750562	7.443732	4.23572	5.602172	4.525147
74.612022	75.168999	57.929104	50.60577	51.244995	76.321304
4.441383	3.860717	4.51649	3.305173	3.823542	3.26179
5.327285	4.180776	5.905594	4.78645	4.911465	4.237869
29.373	19.966185	12.514039	9.395471	12.023533	26.954926
1.024902	0.876171	0.935093	0.13493	1.147796	0.369883
4.767063	3.906037	0.676373	2.764894	3.560472	4.69495
9.484277	10.107388	11.717749	9.902391	8.972556	9.157309
8.596501	11.195137	8.735051	8.976495	9.69573	7.806124
37.924332	32.996973	22.729387	12.847299	13.375565	40.714428
87.037445	108.621452	112.096779	72.900047	79.477837	94.033401
3.582702	3.008928	3.816838	3.812233	3.254739	1.796896
22.201298	23.239805	18.74704	15.294868	17.967365	22.335487
26.985614	9.953269	20.007598	21.470966	21.339454	26.866836
18.154425	23.341902	22.542809	14.793987	16.645157	25.902287
56.324772	44.552834	47.718727	32.2075	53.69276	49.055149
58.064431	52.963524	46.084229	36.43235	48.643721	56.959164
157.954636	107.046555	52.811962	42.760113	93.984779	62.071907
6.846416	7.082031	13.212567	8.787067	11.955419	7.267939
16.171936	23.422974	37.880634	20.892361	28.539757	19.462526
4.47219	5.631189	8.219494	6.692353	9.620807	5.528123
9.617301	4.930088	6.593272	2.024688	4.304271	3.501527

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11.937664	12.013393	15.251317	9.033918	12.751256	11.723435
0.268801	0.233581	0.360231	0.13675	0.534769	0
6.820584	6.167918	7.295614	4.189847	5.430987	7.929391
15.945669	11.859157	13.43749	11.883429	11.375875	13.859975
0.087508	0.700584	0.092039	0.116393	0.064182	0.484963
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3.169156	3.997049	3.548268	1.322868	3.005295	1.576232
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0.330367	2.719225	0.161498	0.536613	0.572176	2.9649
14.337836	18.977041	16.250408	16.506577	16.302963	17.505991
28.867364	26.555344	25.092623	22.782475	24.62536	17.34779
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0	0	0	0	0	1.037229
1.271218	0.615283	0.839578	0.561211	0.626505	0.406478
4.07405	3.32707	4.584327	1.887569	2.458518	4.999098
3.238377	2.770625	4.844946	3.066101	1.731495	2.800882
5.532063	4.783661	6.336721	2.894655	4.856742	5.083734
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1.168176	0.529954	0.431052	0.419928	0.345235	0.23115
0.827177	0.268437	0.256969	0	0.2324	0.557898
13.266997	13.51881	14.602537	10.281062	14.314381	14.428502
30.159567	27.558931	27.104898	14.217575	19.810072	31.075022
72.582588	59.632702	45.95155	32.786949	39.19149	74.637527
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0.952914	0.723655	1.163806	0.789048	1.186092	0.458914
32.97961	32.436935	31.743437	23.041115	29.882359	32.515949
15.102738	12.103107	13.60877	11.753703	17.749148	18.772053
10.130746	10.092389	10.470675	10.375745	15.635984	8.934411
0.220857	0.151875	0.461443	0.230131	0.061962	0
0.032488	0.759722	0.028289	0.100802	0.227368	0
12.011389	16.189682	9.852942	5.11109	4.695236	9.312954
3.445986	1.418668	1.318944	1.078469	0.827755	2.104108
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28.261213	15.90089	12.504867	8.488015	12.07915	18.721773
2.203378	1.803326	1.762857	1.931223	1.544678	3.645243
2.444388	10.956854	10.54582	7.816107	10.821871	5.934017
18.170839	16.093072	16.503237	13.592269	14.362211	18.410525
0.789382	0.450904	0.150159	0.04962	0.193191	0.829397
93.685448	92.404991	63.312492	56.833797	63.359829	108.214882
11.190117	10.007828	14.241843	8.465832	14.547834	7.852178
0.590805	0.798763	0.21827	0.281141	0.514987	0.215349
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7.295787	4.701069	7.289021	5.294324	7.91167	4.534288
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4.408002	1.947087	0	10.391918	10.941383	1.212926
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5.208936	0	2.256993	2.128538	16.094696	2.814696
9.408821	12.223251	13.702235	8.557417	8.504259	19.638998
6.192715	5.064653	8.379253	5.741144	4.850853	4.692349
1.076453	0.556818	1.326386	0.921042	1.268575	0.604053
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9.163919	7.661726	12.253775	6.913535	8.358155	6.922508
82.470848	67.278137	40.992073	39.34602	31.093884	73.412544
18.50403	16.848398	21.476927	10.27562	17.110004	17.699539
11.699652	12.350635	12.403472	9.046732	9.357072	13.717467
33.639488	33.163921	26.098373	19.166	24.442177	33.386303
27.703909	32.165913	32.766045	36.544857	29.485657	39.492245
11.374699	12.94136	14.357827	17.49477	12.295623	16.438725
21.581816	20.447083	23.132286	12.627568	15.213294	25.484982
4.616881	3.339661	4.826769	4.164928	4.070852	3.395729
3.022716	2.355354	4.057296	2.643205	3.990016	3.171516
14.479852	16.69545	12.693902	10.111016	9.659371	77.785454
15.953076	16.848257	17.85885	8.818113	13.336445	15.14527
0	0	0.064843	0	0.133453	0
0	0	0	0	0	0
7.812248	6.609949	10.035162	5.626094	6.498757	5.04921
17.113102	12.042755	13.28466	8.271485	13.327421	11.910832
3.558192	1.489415	1.413179	1.067093	1.190847	1.381204
7.626053	7.64101	7.442008	6.850894	6.776781	7.083803
14.573686	11.995468	12.146554	8.323615	9.715225	16.409182
9.033033	8.376883	8.891902	5.226424	8.420611	6.936347
1.637904	0.524775	1.395347	0.292208	0.624593	0.246018
0.439468	0.457587	0.92519	0.47122	0.602439	0.326658
0.034956	0	0	0	0	0
3.863645	4.052192	6.641049	3.751822	5.049109	3.397985
0	0	0	0	0	0
2.109624	1.884461	3.100113	1.446957	1.786106	1.669589
0	0	0	0	0	0
5.425684	5.590906	2.897271	5.243228	6.357356	4.725091
9.521844	11.245368	10.369037	7.498374	8.624931	8.256446

0.018351	0	0	0	0	0
3.103313	3.693628	2.906433	2.989507	3.088935	2.109282
16.433649	8.848952	30.885887	42.581135	44.435902	12.787259
11.973947	3.477893	4.575042	2.810046	4.595908	3.952837
30.895769	23.550789	35.914913	18.26536	26.006596	20.531317
2.704956	5.419556	3.497568	3.017826	4.387836	1.660833
3.570328	3.439591	5.426949	2.566518	4.683498	4.119961
8.546012	6.579135	7.199242	5.007472	7.447757	9.352806
8.801697	22.715124	0	0.774373	0.709035	2.558887
8.243356	7.474032	12.587101	6.02317	8.647604	7.739675
0	0	0	0	0	0
8.293532	12.989429	16.947317	40.874062	23.23567	7.871596
75.262909	62.440365	35.2663	25.75861	39.302582	52.525593
3.806851	3.474967	6.672813	4.394565	9.367072	1.000243
2.667562	2.310189	4.321721	2.099126	3.892535	2.644189
0	0	0	0	0	0
6.530219	4.644095	4.256004	1.871594	2.474435	5.174712
73.82132	75.860199	29.704071	49.951351	52.270718	71.398354
0.52657	0.722534	0.410355	1.11878	0.850861	0.566634
1.543346	0.484709	1.232651	0.286233	1.40827	0
27.07404	21.82915	24.389105	13.036453	25.630008	23.503066
11.232159	10.990197	9.478782	8.998151	11.402521	9.256859
0.642886	0.521354	0.402856	0.348554	0.427343	0
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6.533148	4.521961	3.360856	2.546616	3.627287	5.177635
1.945577	1.613462	1.606322	1.047858	3.136883	1.661028
11.761127	1.813268	3.963991	1.170392	3.539907	5.890499
0.057503	0	0	0	0	0
0	0	0	0	0	0
0.305357	0.090277	0.07571	0.016003	0.051202	0
0.182994	0.155101	0.149006	0.144268	0.308135	0.169764
0.06115	0.042712	0	0	0.039114	0.264314
0.022924	0.089043	0.016746	0.066262	0.066442	0.023618
0	0	0	0	0	0
0	0	0	0	0	0
6.855555	8.389635	10.279641	7.997794	9.362096	8.137363
5.672071	5.011258	6.073244	4.051242	6.329339	5.084078
8.232198	7.652668	8.652481	5.859691	7.779287	5.911806
14.432794	17.066561	36.469545	17.390207	28.737335	16.124954
23.346912	24.838129	16.353106	12.750979	20.760334	20.074227
5.226142	3.987926	6.522937	3.660579	4.476805	1.075062
0.562103	0.080323	0	0	0	0
1.102308	0.353613	0.087453	0	0.312369	0.20503
0	0.787773	0	0	0	1.203676
0	0	0	0	0	0
0.993369	1.740718	1.022465	0.6529	1.576758	0.950361
48.232533	46.41972	52.466572	45.59235	44.435837	66.408607
12.360255	10.936404	18.658363	15.153018	17.095552	19.449484

25.517281	26.057323	10.277159	6.0372	4.940841	6.385646
0.093954	0	0.102265	0	0.13832	0
237.082718	234.31839	196.49559	173.42836	181.164108	241.574341
139.975433	155.252121	115.62912	73.91217	113.993698	142.530304
2.39319	2.312287	3.586889	2.161961	3.326439	2.144801
4.428427	4.22286	6.805343	2.8064	4.0071	4.698308
5.564547	6.667935	9.581914	6.350752	6.438768	6.913505
291.450544	353.014572	238.77421	311.586827	329.340157	394.637324
19.10862	22.343937	15.226793	15.584388	21.120037	30.659904
1.773893	1.118288	1.619384	0.694786	1.061973	6.928682
83.97731	66.519073	51.56044	31.253704	46.867191	74.704338
1.858231	1.583333	0.776022	0.609218	1.083412	1.340518
11.429473	7.359688	6.970214	3.538514	6.990538	3.839621
21.70566	16.900938	17.357672	14.219152	17.51639	16.607058
11.954679	10.79188	11.609892	10.479926	11.269139	10.762292
14.853298	14.170304	19.57053	11.244638	12.717731	13.613976
18.64349	16.751364	10.219337	8.375311	13.445195	10.981237
0.366971	0.466188	0.591158	1.046273	3.581296	0.406023
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9.38582	13.790906	6.886078	11.54384	19.006922	14.226554
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0	0	0	0	0	0
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0	0	0.07206	0	0	0
0.307954	0.878272	0.272005	0.110647	0.556773	5.079201
32.175659	5.622749	5.173429	2.852611	4.848755	5.517002
0.298114	0.893733	1.170402	0.505329	0.739729	0.51652
0	0	0	0	0	0
5.790126	5.476691	7.02372	4.689628	6.365778	4.503111
0.057724	0.024581	0.082479	0.043463	0.056654	0
23.404667	20.681379	23.022377	12.937314	17.884302	24.248711
3.28722	3.210955	4.364703	2.58061	3.255634	2.269016
4.61644	5.984735	9.192563	7.484121	9.439873	4.464739
2.749534	2.270447	3.477909	3.279677	2.713095	2.775879
2.772434	0.63924	1.912683	1.194047	0.961922	0
3.239008	2.754027	2.100999	1.208308	1.704536	5.987284
12.337152	10.414723	11.611367	9.42771	11.165615	9.889651
28.745808	28.996534	29.861807	26.762039	27.375563	32.200157
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0.039512	0.009658	0.018863	0.039145	0	0.035471
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0	0	0	0	0	0
0	0.026406	0.029798	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
12.724647	14.378025	32.316433	14.172229	17.152445	15.8003
20.297852	17.457682	23.008135	18.142488	25.625229	24.789551
8.32157	11.468555	5.741047	4.057549	6.302844	4.346734
9.35723	10.470232	9.255016	7.70664	7.855408	5.991999
4.759058	4.4326	2.927516	1.714453	3.190977	3.521961
8.065219	7.458375	10.522098	5.599051	7.555693	7.92686
12.5132	9.727877	11.094417	9.241422	9.898606	9.977021
16.801664	12.720172	15.64715	12.683471	11.74471	21.14855
34.688614	27.159918	32.82312	27.971262	29.626858	34.290825
12.607824	9.072956	10.441008	6.327662	8.634387	10.055988
11.306478	11.857703	12.305621	9.908713	12.457721	13.353717
13.285919	6.207096	8.392059	4.525506	7.676219	8.498245
0.042822	0.268755	0	0.107474	0.376854	0.706914
0	0	0	0	0	0
0	0	0	0	0	0
0.667017	0.234422	0.083528	0.074859	0.09758	0
27.076467	23.766619	24.621775	20.660373	21.979553	27.416733
0	0	0	0	0	0
5.732997	6.111498	6.128141	4.318268	4.944603	9.114268
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5.593947	5.069532	8.537175	7.527061	8.237116	4.537205
12.483861	9.678255	11.532436	9.699694	10.260699	10.277008
0	0.0935	0	0	0	0
0	0	0	0	0	0
1.343061	0.308496	0.492712	0.198282	0.864949	0.331365
2.498676	3.634187	3.431573	3.028637	3.159679	2.590996

3.03754	4.085678	2.457174	1.648641	3.360466	2.557055
21.378889	22.828154	22.063227	15.50522	18.281721	29.946604
2.925485	2.565504	3.441007	1.95574	3.098057	3.385896
1.148162	1.258708	0.698175	0.519455	0.949181	1.228112
12.137676	7.882063	10.008354	7.796329	7.469583	11.079693
8.050153	7.769813	8.893538	6.2007	8.685892	7.36442
10.22825	10.987911	12.439994	6.979651	9.052224	10.202982
5.767456	7.055661	13.103445	486.568298	7.81269	12.986661
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0.596812	0.558976	0.325082	0.661626	0.634532	0.074178
1059.481934	1266.769531	1518.469238	26773.0332	8744.043945	2585.62915
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0.541127	0	0	0.140011	0	0
0	0	0	0	0	0
5.208562	16.419796	10.289489	12.873306	17.807064	11.458054
0.166905	0.33429	0.016277	0	0.688014	0.13665
166.446941	103.526104	115.419132	59.37565	113.277682	115.408165
1.47239	2.359318	0.977784	0.845926	0.624107	0.62947
0	0	0	0	0	0
19.39781	19.022992	25.019665	13.722177	17.253481	19.499608
21.492445	25.763332	24.226561	18.00983	18.018927	29.615919
12.652136	9.186616	8.826283	8.081706	7.584623	10.568676
69.173508	88.330269	54.002758	53.866268	57.096588	64.6483
186.444	174.506973	107.774734	86.481873	109.823219	153.789505
7.90835	3.598783	5.227797	2.603318	3.365517	7.168001
99.675179	105.879547	56.358578	51.273685	66.230408	70.800011
97.191685	94.903807	53.573164	61.036487	59.548048	87.367814
5.86449	4.667262	3.324811	2.833336	3.455387	4.956271
5.505823	4.645693	2.624568	1.334242	4.019402	9.670225
17.431568	12.351502	13.544763	7.46128	16.407322	10.010473
55.365177	49.90049	53.246164	35.514444	45.2142	47.080744
6.491589	5.339964	6.930421	4.44366	4.561985	7.939778
34.830475	29.15419	23.327652	26.293152	22.640902	30.99827
9.348044	6.631701	9.431471	6.192781	6.397567	5.633038
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3.404039	2.423392	4.374403	2.621903	1.988457	2.666664
6.910426	7.495807	5.268304	4.942466	5.824488	5.844972
26.579048	22.208422	22.043898	18.647135	23.564829	27.00993
13.887856	10.317367	12.667022	10.071281	9.545769	13.087763
17.36624	17.168835	13.068129	13.834236	11.935527	22.87031
4.118804	3.004365	2.254631	1.97531	3.690137	2.227907
6.528302	5.993781	11.843072	4.964895	7.842748	5.168954
0.385497	1.573231	0.330763	0.286004	0.167767	1.511413
43.372482	42.638915	52.026123	41.300389	50.22604	41.348023
8.791594	8.239235	4.022223	4.755949	6.840262	24.396528
17.578868	23.354884	25.640165	18.948407	22.782643	15.186702
61.136212	41.275067	30.410104	22.934575	28.559823	36.131399

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6.551476	5.383867	6.549504	2.625854	3.872566	4.168105
3.950956	4.486072	5.865159	6.566146	5.308264	6.858281
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7.651693	6.455976	6.593376	4.826167	5.785244	5.825152
22.591982	19.446655	17.953449	14.77466	17.6924	10.124598
11.230461	11.264519	8.204471	7.261368	7.355551	7.930232
0.562963	0.358859	0.622785	0.172914	0.371559	0.120054
2.539385	1.666829	0.842139	0.527606	0.716224	1.200214
33.154883	30.375688	21.966588	12.317106	20.561263	21.083027
9.581752	7.93904	10.643033	7.656153	8.141132	9.811724
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72.799828	49.930988	50.785324	41.400913	61.90704	58.412487
3.038574	1.206983	1.314186	0.557504	1.407534	0.818101
0	0.302005	0.276084	0	0	0.611129
0.167066	0.259179	0.045009	0.089228	0.182164	0.124443
1.447134	1.31127	1.393305	0.928021	1.283808	0.862417
0.290152	0.177951	0.060242	0.12195	0.15288	0.03031
21.670683	22.05887	23.054688	10.508528	15.763	22.460251
22.715525	25.52492	33.658424	25.999479	33.627258	29.210978
7.885936	5.826046	6.511671	3.639421	4.689416	6.992052
9.337355	5.746042	9.602706	4.857803	5.998509	4.040003
0	0	0	0	0	0
3.608601	2.589237	4.286697	2.490392	3.398905	3.011142
1.031391	0.67861	0.509675	0.321487	0.274486	0.601204
71.527054	70.79184	80.339645	68.728821	87.570618	66.77903
0	0	0	0	0	0
1.491303	0.784136	0.352509	0.431893	0.265671	1.069184
9.563338	7.52905	8.796389	6.188884	7.485688	8.910282
0.111439	0.410575	0.341623	0.417505	2.041652	6.874266
81.76284	87.191284	60.181221	40.364437	50.681549	80.769676
9.057126	7.596498	11.240882	10.026834	11.659422	8.443197
39.942444	33.758984	37.04187	32.318985	50.778126	47.190002
12.857905	13.933485	13.470305	14.473629	15.848714	14.296941
17.824797	14.268929	15.079953	14.663493	15.117143	10.276539
0.214727	0.071447	0.656024	0.335103	0.220884	0
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8.927386	8.103085	8.689629	7.191141	8.427925	7.363373
15.321114	12.871306	17.502918	9.502	11.639347	13.172881
9.727648	9.67945	11.028169	5.824452	8.516035	8.359407
3.934031	3.306164	5.082727	4.955822	5.728749	3.672414
3.241409	2.276215	2.775828	1.995969	1.392992	3.042894
19.44977	17.502865	18.577545	9.919	12.775727	15.604112
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1.032909	1.495244	0.684802	0.485917	0.298401	0.622857
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0.346774	0.281146	0.435699	0.069419	0.572419	0.328287
2.487585	3.868866	6.258629	3.523357	5.004777	5.161868
32.206385	27.485708	28.934091	22.462229	29.118916	27.050696

12.772483	10.924106	9.928681	5.977104	8.800862	12.334841
8.171129	7.567492	9.520796	5.030174	8.427787	6.515503
0	0	0	0.109359	0.081676	0.53754
11.114765	9.632869	12.969191	8.399137	8.945169	11.015759
8.993541	6.316563	10.1532	6.263554	7.808057	4.0532
0.820713	0.135206	0.265476	0.10554	0.198553	0
30.740824	32.36873	43.854414	34.754538	36.85959	40.942967
20.915537	22.196255	24.787268	14.010036	19.330957	19.438461
11.072912	11.45403	9.863173	7.647487	11.237516	10.785224
0.15304	0.541994	0	0.08803	0.188032	0.68375
18.124016	18.152708	27.003604	5.676642	23.208934	6.04109
32.721302	46.299191	31.399332	27.898968	31.994806	45.13665
11.519201	9.63749	15.484471	10.226237	12.170214	11.104021
130.636856	99.85894	96.42662	85.617043	86.728394	103.791794
17.409113	15.920371	17.05393	10.575628	12.117707	15.902649
1.240565	0.570985	0.664629	0.741511	0.782572	1.70658
8.466452	8.253306	8.815315	6.487701	9.168965	8.138165
0.400653	0.698947	2.297302	0.935117	1.241729	0.512155
3.819749	3.93443	2.281899	3.146816	3.721421	3.262225
83.686422	83.835691	114.312057	78.992459	85.81283	105.003257
0.852374	0.627687	0.478207	0.263532	0.216731	0.222843
11.498457	11.155989	13.226287	9.739388	10.8743	10.167731
7.005173	6.926347	8.373771	4.347878	4.348019	8.266796
4.331264	1.268739	4.204381	1.846957	2.651614	2.442004
41.912661	33.100796	21.709951	12.669707	16.234222	31.11018
16.431641	15.305237	16.557938	8.019258	13.206117	14.457937
37.486647	35.564553	42.14244	36.031034	39.377985	41.788023
3.490774	1.512571	0	7.28205	7.94816	5.858106
0	0.764653	0	8.24445	0	0
0	0	0	0	0	0
0	0	0	0	0	0
3.882516	1.933661	5.572448	4.642849	3.278212	0
0.529549	0.618626	0.174812	0.110372	0.289937	0.377976
0.103775	0.288525	0	0	0.108502	0
0	0	0	0	0	0
4.848049	1.916954	2.989224	1.04878	2.247375	1.545549
10.057148	5.506636	5.294065	4.861884	4.938776	4.26559
22.176256	22.852722	26.819798	22.454708	23.516365	21.86257
12.236158	13.423998	11.618963	7.319245	9.56585	7.974991
3.123367	2.918809	2.728084	1.244766	2.624863	3.297294
228.654433	281.184165	164.288564	139.32784	183.274175	214.87662
0	0	0	0	0	0
2.995805	2.917101	2.957752	1.210835	1.287607	2.239229
0.806354	0.674274	1.033125	0.414492	0.795842	0
4.852071	0.852946	1.478205	0.707065	1.646093	1.486179
2.78736	2.228972	1.042642	1.120026	1.934322	0.273071
0.056503	0	0	0	0	0
1.380971	1.474823	0.118087	0.716516	0.249569	5.065007
0	0	0	0	0	0

0	0	0	0	0	0
0	0	0	0	0	0
8.11134	6.057982	5.228616	4.03206	4.938833	6.860226
36.773788	40.358879	30.22477	28.924536	33.5294	32.404755
12.521353	35.131454	26.065176	21.041061	22.26749	37.154671
18.209698	15.445583	10.409878	8.565237	8.027699	17.919458
65.539932	62.165493	72.641815	68.272812	59.597649	69.383835
25.627891	26.373577	28.222701	19.363897	26.537633	22.67374
5.623648	5.02244	11.674484	6.202298	8.007174	5.336052
8.878935	7.787192	13.292723	8.744164	8.649375	8.040827
11.24131	10.048758	11.501974	7.906491	9.377638	12.75952
14.326841	13.957207	11.051514	11.317286	10.997546	18.287632
0	0	0	0	0	0
30.186952	23.705756	21.954945	25.28977	21.261974	32.546815
8.321151	20.44019	15.413075	14.481271	10.244597	25.769995
0.424658	0.633808	0.707021	0.449371	0.298131	0.263295
0	0.012502	0.031459	0	0	0
0.839961	0.72242	0.874689	0.393155	0.596746	0.586278
0	0	0	0	0	0
0.675634	1.036181	0.766125	1.139975	0.682261	0.412272
10.612066	11.452435	11.076612	7.7219	8.036517	13.721273
798.268555	1131.470337	1385.593262	1708.825439	1385.499268	1093.718628
747.048584	1007.3927	1507.159912	1678.756226	1487.027466	1023.471924
0	0	0	0	0	0
1300.620483	1431.520264	1692.678833	1705.093628	1752.3396	1278.483276
3418.799316	4375.145996	7155.663574	8349.308594	6465.806641	5563.130371
1010.449036	1366.921509	1603.931519	1684.948975	1539.963867	1208.982666
3237.896484	4570.700684	6442.150391	7828.18457	6459.262207	3936.435547
965.153992	1117.49585	1427.162598	1653.289795	1361.098267	1145.007446
282.427124	324.748962	402.024689	464.585785	383.077362	328.006805
194.471466	235.594345	263.832855	278.59903	260.359955	246.092987
2268.832764	2999.208008	3690.842529	5376.039062	4494.286621	2810.158691
950.888062	1282.520508	1190.834351	1283.178467	1184.899902	1172.909668
730.783142	1034.168213	1318.199707	1347.955566	1314.687012	793.774414
1757.743164	2398.049805	3107.427948	3489.93515	3078.530518	2347.53833
444.317291	539.189392	639.228882	718.457947	576.044861	512.802368
379.252552	451.791618	512.456874	642.447701	540.824021	394.976925
227.195007	197.812531	314.208954	485.299255	306.877258	266.814362
1043.482666	1288.481689	1394.37146	1703.710938	1468.879028	996.083923
1323.495728	1714.819458	1983.121216	2200.593262	2054.399658	1660.405884
968.651855	1113.466309	1398.69751	1676.321777	1451.167969	1203.156738
0.399116	0.361911	0.250825	0.278421	0.577979	0.40847
557.080872	715.739746	806.501099	888.365417	826.832703	761.912903
1161.396362	1606.464722	1902.726562	2486.905273	1932.059204	1289.454712
1043.601318	1580.92749	1812.535522	1825.383179	1765.710693	1288.692871
151.190109	181.847382	205.307648	198.904861	194.632721	200.954041
790.778809	1036.234009	1410.536011	1563.248169	1327.840698	974.829407
600.87862	720.211242	715.288101	967.198151	665.600502	650.914688
909.749992	1094.156586	1606.943222	1852.931496	1599.007408	983.486481

151.519684	186.037186	288.21814	306.761475	279.677246	178.191727
3263.9729	4180.994141	6243.298828	8125.666504	6642.428711	4300.989746
251.252636	312.836127	275.675686	335.05188	294.181946	831.297714
1388.494141	1989.351196	2669.088135	3652.536865	3074.775146	1050.984741
2454.687012	3365.736572	4325.154785	5678.478027	4632.929688	3187.390625
1064.379623	1467.772827	1844.587143	2685.140656	2051.577179	1251.308456
1582.122314	2253.750977	3235.575928	3754.051025	3310.022461	2004.473145
1064.37854	1460.75708	1655.295654	1898.02002	1779.849121	1161.717896
735.611694	793.092957	619.925781	661.767456	677.997314	770.250977
915.53894	1313.978271	1600.430908	1660.974487	1482.016724	1098.491577
1124.972656	1497.44519	1384.765015	1603.729248	1642.572632	1241.443848
0.240379	0.569953	411.113506	387.670502	366.331604	249.878143
1806.202774	2298.610062	2249.611313	2972.606323	2598.021759	1968.11068
793.808655	748.584961	1360.228027	1958.397339	1350.713745	871.180115
0	0.726442	0.890699	0	0	0
9.545052	0.836985	0	0.974927	0	0.669274
950.7948	1156.192505	1388.087158	1362.136841	1259.966187	1051.985596
4893.239746	5474.312988	5653.364258	6761.878418	6711.72168	5197.674805
659.096863	829.473389	1628.733887	2002.986328	1510.219238	768.605164
741.791992	842.666687	1077.603394	1123.776123	1002.427368	892.338196
1118.939453	1162.758301	1462.85083	1587.170166	1434.599365	1163.618408
1077.783447	1176.850952	1221.278687	1346.366455	1215.14978	1397.899292
54.792915	47.384968	35.268089	26.781832	30.81781	63.442566
1695.585205	2310.361572	2330.569092	2430.687256	2131.460938	2219.662109
2044.790161	2519.085205	3847.010986	4063.793457	3662.808838	2221.218506
1647.186157	2262.854736	2896.491943	2965.467041	2540.338623	2190.613525
4520.162598	5738.938965	5483.173828	5653.996094	5070.022461	4609.865723
2917.283203	4048.398438	3693.912842	4994.487793	4176.202148	3126.249756
99.883591	149.825577	133.125351	165.156815	141.739716	99.606125
96.200478	109.038712	61.286655	52.260242	65.003754	105.924896
117.543526	122.76815	89.357445	74.898338	93.434448	128.529861
14.31566	13.611318	11.701077	10.055785	8.253714	15.241019
41.746067	39.866222	38.996651	34.142399	39.999702	43.80603
5.177182	4.259405	0.892748	0.615287	1.646454	1.653621
22.8419	22.982464	11.423641	11.803947	11.962136	18.581753
24.187811	23.529346	19.484215	20.72674	17.229492	22.799858
10.169045	8.352498	10.897058	9.499501	10.636298	9.860043
3.293715	3.067593	3.02115	2.495566	2.150509	3.390777
4.711767	6.651946	5.193038	291.908722	9.421832	10.054726
5.809359	5.281792	6.644505	4.529471	5.703329	5.536979
2.560157	4.683379	5.457344	4.372352	4.717949	4.742089
4.642898	4.142807	7.060418	3.961607	5.90552	4.7337
0.932545	1.095282	0.231743	18.313461	0.313447	0.435787
0	0.13691	0	3.967774	0	0.212083
0.160356	0.7571	0.231169	32.746868	1.059724	0.218813
0.560175	0.089273	0.074547	0	0	0.389769
0.070904	0.059982	0.257252	0.211645	0.06959	0.096751
1241.751465	1878.506836	2282.552246	3082.058838	2444.27124	1607.796265
2461.789551	2965.348633	3743.343994	4132.807617	3381.42041	2681.891113

6201.044434	7895.313477	10257.18066	12798.01074	10254.04395	6880.098145
1071.502075	1327.041016	1586.520996	2092.794434	1569.853149	1314.515991
2535.912598	3766.346436	4857.582031	5721.804688	5043.155273	3141.08374
2842.670654	3702.519775	3962.45166	4467.19873	4129.941406	2997.080078
125.012329	126.638145	168.25824	230.486923	192.910477	134.626465
37.867931	39.78442	47.685406	69.027718	59.281498	35.418549
98.888161	108.618736	142.911789	193.354294	168.692368	110.000023
1091.860596	1665.683472	1990.492554	2585.754395	2323.280273	1595.161377
1637.68103	2028.89978	2555.521484	2643.130859	2424.237549	1697.063232
2267.884033	3222.514893	4545.475098	4793.232422	4359.157715	2983.929688
1019.283142	1384.370483	1835.414429	2285.742432	1977.358154	1413.952026
21.992548	34.65807	44.483273	48.185802	42.451107	29.214352
50.993671	54.021408	34.134846	28.825317	32.197983	51.185936
894.470764	1105.877563	1071.890381	1020.894165	957.11438	1225.4104
2124.384277	2548.091064	3073.124268	3743.643066	3024.428955	2517.459961
4130.566895	5693.353027	7433.408691	8964.857422	7533.223145	4474.407227
2033.88855	2791.827393	3740.145752	4542.404785	3537.156494	2144.865967
2749.779601	3126.798865	4438.47969	5947.193111	4633.882494	3081.786549
1532.051758	1841.536865	2724.247314	2915.065918	2652.219971	1699.839233
2262.274658	2720.759521	2425.695068	2738.074951	2395.485352	2232.810791
18.896867	16.105505	17.122868	9017.794652	7993.435641	4473.229782
2814.712463	3354.559754	4669.674621	5516.926728	4322.11148	3058.376953
510.256805	505.185425	283.396118	402.463501	359.61969	555.713318
4387.293457	5319.816895	8038.507812	69.546852	87.545273	50.151455
1218.326172	1806.078125	1617.944336	1990.221436	1674.237549	1542.201294
2929.140625	3830.390381	3655.485596	4362.871582	3790.492188	3150.416992
874.876465	1389.113403	1869.521118	2353.138184	1884.283813	1182.323608
1506.481445	1887.009521	1833.135864	2358.719971	1900.5354	1658.104126
14.268009	6.170651	2.62508	2.17917	4.832242	4.927581
888.898865	1121.380005	1427.809937	1618.264404	1316.380493	1040.860229
1342.262329	2005.317871	2624.665771	3353.624756	2871.917969	1763.621582
652.608948	861.978455	1157.839111	1238.022217	1050.482422	747.855896
20.736849	19.497532	20.104857	8.673254	15.133351	23.369601
2.942576	2.713464	4.340323	1.608319	2.88815	3.716537
6.03031	3.877156	4.494061	3.346071	4.019993	4.413318
26.857664	22.515568	21.59944	11.607245	18.371613	23.811111
0.376811	0.397978	0.91883	0.406411	1.061043	0.549895
0.852875	0.543843	1.450537	0.92747	1.032054	0.342993
10.234389	8.296233	9.552366	6.95904	8.814102	6.839964
12.860835	12.72875	23.526558	15.362209	19.411762	12.256865
7.553823	8.037599	7.826691	4.556336	6.202317	7.180507
0.312673	0	0.149459	0.085566	0.101356	0
1126.731934	1540.240601	2424.25708	2950.756104	2280.380859	1403.494751
2249.467041	3120.603516	3896.743164	4661.119629	3845.061523	2622.395508
2300.42627	3467.104736	4081.298828	4389.246094	3936.875977	2885.068604
1239.102905	1658.837891	1795.944458	2046.806152	1754.47229	1579.06665
0	0	0	0	0	0
8.393803	8.64902	12.486547	7.032859	9.610892	8.930254
0.564076	0.656071	0.134386	0	0.21897	0

7.725137	7.659592	11.886839	5.872687	8.947303	8.610016
0.898466	0.859446	1.797312	0.934579	0.98342	1.180742
3.592171	3.607163	4.115863	2.441846	2.506876	2.701942
14.208612	12.29162	16.808559	10.554566	11.109098	11.572624
17.919151	16.147589	14.959012	9.216699	12.173908	19.05887
8.772945	7.040213	5.055799	2.056146	3.186737	7.670031
31.787188	29.83898	35.597618	31.507641	35.640842	26.564756
0	0	0	0	0	0
37.53754	27.518475	31.556759	23.01832	27.133224	32.069576
1.769974	0.566944	0.496103	0.361851	0.834444	2.415618
49.481251	59.873989	56.056179	41.096661	62.238449	47.724567
20.955488	16.81587	13.160544	11.556488	12.998495	18.734762
173.800888	153.387436	89.863239	86.054078	111.146093	113.535076
5.147595	5.124799	7.064568	3.293706	6.608236	4.012481
0	0	0	0	0	0
33.400776	25.155962	18.162491	14.282495	13.18269	34.532795
54.357689	37.836117	27.979509	13.661355	15.145891	55.323021
2.347773	1.558876	3.152336	1.982515	1.697576	2.242917
15.746231	11.623242	13.904387	9.626698	10.308158	16.309961
15.132621	12.712881	20.897861	13.58319	17.518404	10.300494
81.00338	91.653694	91.477524	75.622833	86.997803	73.739311
9.457101	6.10095	5.200003	3.849933	3.890094	8.047545
28.168413	27.501579	28.287312	22.368845	21.561054	32.787041
12.432176	12.010191	16.197188	8.916021	10.818207	9.714912
23.654787	22.275581	21.74662	14.721989	18.690702	25.820419
44.137325	41.234497	37.450001	22.471121	29.906719	48.59811
13.976289	12.56448	10.661131	8.007154	9.914672	16.443681
36.494118	33.531864	22.444216	15.852338	17.315821	47.133667
35.549831	33.355556	23.389864	17.514589	16.511316	42.706905
0	0	0	0	0	0
3.587484	3.188496	6.031906	3.718183	4.597867	5.388084
10.901624	2.483721	0.493503	0.875756	1.021914	2.868461
6.912919	2.937267	4.259835	6.144114	6.490496	3.767941
6.577142	6.265277	5.290543	4.598714	6.22863	4.014954
2.103067	2.537678	3.502915	2.51542	10.170626	12.153081
3.048049	2.936258	4.415754	3.419295	4.033955	2.314417
0	0	0	0	0	0
0.481115	0.503885	1.455008	0.680379	0.909835	0
1.350575	1.024013	1.285237	0.403732	0.520618	0.532703
82.903473	80.839676	79.461304	72.873772	63.02235	115.300262
59.091774	57.371799	42.751373	47.824833	37.980167	60.53392
0.018018	0	0.034291	0	0.125127	0.121774
0.588203	0	0	0	0	0.623077
0	0	0	0	0	0
9.649757	9.318099	9.986209	7.306179	9.095406	10.73227
10.317858	10.313759	9.880707	8.442523	6.627432	7.278632
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0.625101	0.220206

0.575799	0.381398	0.226955	0.156306	1.78813	0
0.045514	0	0	0	0	0
1.932155	2.690907	0.344679	0.626755	1.020825	1.203974
0	0	0	0	0	0
7.785701	7.266993	7.750428	4.388178	6.336022	7.454585
14.00409	12.332963	16.10741	14.247425	14.125593	12.030394
27.808189	23.326168	33.162838	27.657919	31.862621	22.889935
229.415527	128.082443	192.979218	107.984711	156.922546	127.51239
31.629728	32.066612	38.068722	29.233242	27.964577	35.301258
0	0	0	0	0	0
40.799194	33.923676	28.869999	20.955477	24.799829	44.575611
83.076843	85.53125	76.17997	58.583855	67.479324	83.398849
7.742985	7.125883	13.259332	6.770579	7.721609	9.663763
25.235987	17.879631	18.975113	15.030425	17.966248	16.541542
41.120701	37.181984	35.68412	24.966318	29.147533	35.320045
15.644041	22.228464	24.045333	14.643138	20.825777	19.54495
0.477342	0.230932	0.306914	0.151629	0.218059	0.500298
0.47275	0.06158	0.129239	0.05824	0.114002	0.019812
0.062782	0.23015	0	0	0.349175	0.228452
31.110167	7.790308	3.886462	4.655069	8.193746	7.905331
73.042204	60.344771	50.526713	37.492475	45.358278	43.716797
92.599769	64.765309	63.719015	57.482976	63.000215	82.82459
3.866636	3.615745	2.624094	1.467247	1.473002	2.97803
0.797133	0.382531	0.205629	0	0.159232	0.6088
0.726388	1.87604	0.082921	0.138278	0.286855	0.563735
5.807884	6.703715	8.049487	6.103682	14.236478	0.831417
0.120835	0	0	0	0	0
0	0	0	0	0	0
0.467095	1.679978	0.044933	0.434318	0.143832	0.302397
14.98013	3.378473	1.151484	0.675815	1.462603	8.089464
1.16594	1.031596	1.405743	1.036116	1.022322	1.20712
0	0.278501	0	0	0	0
10.376332	8.211942	9.731215	5.565179	7.732041	9.95665
3.753753	3.228346	5.477118	3.190844	4.000794	2.564922
10.332601	8.136013	9.208057	4.830431	7.133037	6.985955
0.162256	0.867064	1.645309	0.718201	1.170286	0.082287
7.400555	7.297468	7.733912	4.711148	6.557096	6.622588
2.975684	3.552065	3.231819	1.821763	2.57398	2.400218
0.123269	0.280656	0.334494	0.393401	0.445504	0.366891
8.482456	13.619905	17.7417	12.39702	16.738688	9.7717
0.150596	0.188304	0.051362	0.131829	0.187501	0.0964
6.86709	8.423737	11.196794	10.263233	12.234736	5.064865
5.060351	7.948735	8.007433	6.027799	9.86441	5.108652
4.793324	4.197398	3.724729	1.430685	6.824482	4.142473
8.81555	9.150336	13.950139	11.927895	16.307373	6.596871
36.59782	44.631008	30.090424	23.788336	24.79917	45.608028
38.586155	49.699326	41.759598	35.216522	33.612167	54.440731
78.588013	62.735706	57.268585	73.534065	61.939117	70.077652
1.264122	0.444631	1.124299	1.048292	1.793336	1.098553

5.60276	5.116077	5.380215	2.717135	3.359001	7.892175
3.477232	2.604722	4.962666	2.515653	2.6567	2.150955
19.563515	17.485325	15.232095	11.130556	12.315796	20.163036
0	0	0	0	0	0
0	0	0	0	0	0
0.08938	0.030654	0	0.053838	0.017545	0
0.122103	0	0	0	0	0
15.981047	19.605734	12.60054	6.212469	10.939021	13.890147
23.211941	27.570223	33.44032	21.38936	27.126455	24.308363
0.356514	0.091702	0	0	0	0
6.429832	7.796982	7.073692	7.084778	7.971577	6.040141
47.547272	37.628414	26.777161	24.208794	27.671201	29.215949
9.815374	0.23881	0.148209	0.075483	0.053353	0.160124
0	0	0	0	0	0
0	0.016918	0	0	0	0
209.186935	181.384628	140.587662	119.927536	161.893661	165.337143
1757.807007	1838.907837	2177.638184	1448.352905	1401.973877	2049.852539
797.565796	561.96521	449.603607	297.868713	380.742737	630.816223
105.883423	94.680893	78.066124	80.345612	74.607292	87.148697
1.036013	1.763905	0	0.62067	0.474172	2.827045
67.160927	86.150391	50.025047	69.103638	69.780724	77.255203
0	0	0	0	0	0
2.752828	3.00096	2.309739	1.2832	1.127387	2.321014
2825.14917	4062.7771	7104.853027	2544.486572	3078.55127	2833.841797
0.527839	1.346173	0	0	0	0
5062.274902	5175.004395	4773.295898	3568.113037	3737.227783	4709.577148
1.943838	4.378624	2.167095	1.209975	4.307593	1.607781
46.349865	8.868786	33.659439	23.740538	163.968521	26.784811
53.557212	17.094913	31.022827	59.692648	400.141201	27.842678
1.901211	2.803993	0.994402	0.713599	1.094677	1.712178
1.534579	0.942641	0.885541	2.880555	3.402604	11.653789
5.252793	4.277745	7.788956	4.95607	6.300979	3.65057
0	0	0	0	0	0
8.880492	5.374763	4.663182	3.492597	6.17655	5.475661
20.113489	19.456173	20.241585	11.820079	23.316648	22.411283
1.448303	0.552863	1.629716	0.863124	2.024104	0.402934
0.662788	0.942635	0.366316	0.280607	0.405267	0.605053
0.169788	0.310653	0	0	0.1794	0.20785
14.080621	38.972733	10.424592	9.342781	80.098885	1.677931
5.975207	15.824384	3.251421	2.566887	40.852451	1.252542
164.795486	26.607723	221.069382	131.896011	1080.441284	24.399929
2.215334	9.889403	0.324834	1.026945	1.779449	1.504658
4.016275	4.412853	4.000475	3.942563	4.599746	3.566025
10.627219	9.120537	6.271752	2.987081	6.272075	9.277187
9.529278	8.245348	9.476409	7.932915	9.90466	9.320801
0.090947	0	0.130889	0.136954	0.066946	0
67.388902	67.071047	45.246605	37.793675	36.798285	74.285176
50.15324	47.743172	52.989388	37.469181	44.605671	29.240042
38.129848	31.540047	47.255795	29.341618	40.531784	22.60306

0.132728	0	0.182351	0	0.259957	0
0.944721	1.696863	2.969008	1.696723	1.980828	1.381319
2.364748	1.303644	2.209432	0.886749	1.57219	1.571934
0	0	0	0	0	0
0	0	0	0	0	0
43.403675	48.951752	44.904346	28.682154	36.449825	32.781868
1.184371	1.063076	0.925991	0.854551	0.39095	1.05249
0.145611	0.032102	0.918466	1.194767	0.202296	0.097281
0.971133	2.252317	1.170809	1.603588	1.335458	1.052719
7.019933	8.493874	9.670322	6.217329	9.722777	5.083771
0.066563	0	0	0	0	0
0	0	0	0	0	0
6.139884	5.086322	8.159935	4.673714	5.260884	4.969719
24.806637	28.134151	21.292446	14.168848	20.234344	22.427591
0.121452	0.05224	0	0.061167	0	0
0	0	0	0	0	0
7.890304	6.665764	6.538168	5.838421	7.062303	8.234908
5.1538	3.423018	4.514385	3.437975	3.586174	3.446211
47.350769	33.49781	23.035942	14.135275	16.700265	31.789729
55.091625	59.021381	53.152355	39.906616	39.971443	71.863121
10.930986	10.480206	7.98255	7.896681	9.493315	8.814938
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
9.067595	7.117599	10.847615	6.567709	8.982676	9.681712
6.371008	5.017583	4.266105	2.843224	3.846252	4.94602
4.081982	3.092044	2.465853	1.267373	14.729501	0.899271
35.603134	36.798149	53.995457	69.007881	66.216682	33.773434
18.850378	19.332932	23.212612	17.539915	20.488987	26.372498
20.935709	19.401289	17.21419	11.960041	14.950248	26.275045
0.08176	0.999543	0	0.087261	1.193787	0
3.23281	2.788196	4.393606	1.995316	1.994459	3.184367
82.528458	72.648476	59.603085	49.037666	60.008453	72.40625
47.21888	46.463497	46.183903	58.738033	51.183891	63.154701
60.874825	66.202477	61.299374	46.58007	69.434753	68.121338
3.566755	10.949906	3.545655	3.119654	4.387748	3.813586
0.146797	0.02524	0	0.044132	0.071075	0
60.63575	59.248009	51.498592	52.802563	50.567608	66.648613
38.568721	74.273558	74.030771	59.797469	54.07972	60.174935
6.46327	5.232646	7.728602	3.879229	5.356643	4.654014
22.319408	25.553421	24.20767	18.696959	20.368389	21.139612
13.805086	13.20529	17.407961	12.350549	15.73209	11.947261
9.452477	4.617516	5.046801	2.731162	4.212432	4.596677
11.240958	7.378307	5.803207	3.464879	4.630591	7.313727
2.524787	1.721259	1.918906	0.881171	1.042063	1.931861
228.564686	136.032005	139.868841	154.151523	99.635491	193.516655
8.337608	10.202465	16.453058	10.572113	9.310663	8.364801
0.99455	0.069492	0.043587	0	0.129227	0.071582

1.653168	1.998667	2.655482	1.113503	1.750178	2.046914
0	0	0	0	0	0
34.383621	30.617596	51.94754	26.690498	36.496708	36.429173
0	0	0	0	0	0
0	0	0	0	0	0
0.047983	0.116252	0.177519	0.109478	0.133788	0
5.804029	5.658187	4.862113	2.268429	4.336576	5.616391
65.374092	59.798878	69.030151	59.812836	56.234901	74.049973
12.866143	13.746405	18.074065	9.339339	13.375531	11.714692
6.547455	5.15577	10.097176	6.914462	7.820344	4.889266
3.781618	3.166305	3.943506	1.681767	3.038949	3.787416
0.259813	0	0	0	0.196489	0.695176
0	0.061475	0.051562	0	0.071003	0.04168
11.767656	9.030107	13.207531	7.954418	10.879898	8.479107
37.954586	29.828239	34.624546	23.969103	37.490955	22.680414
0	0	0	0	0	0
0	0	0	0	0	0
19.643259	8.172385	11.827653	6.290134	13.76603	6.376631
0.165958	0.09486	0	0	0.135736	0
10.032668	16.374128	11.951108	8.991611	10.258157	18.541521
17.871258	17.324596	27.28013	14.494401	20.848326	15.651991
12.970243	11.63423	16.810221	12.402537	13.705138	12.859521
12.193524	10.239773	13.686937	7.571178	9.446734	10.856861
9.041342	10.147891	12.177143	9.068151	9.842713	9.741862
1.47867	1.416498	2.59025	1.662043	2.381019	1.544584
14.660859	14.069881	9.767998	10.420277	10.779209	12.780516
48.961391	31.723326	28.050608	14.793563	19.204334	40.551598
52.171716	50.161561	16.728748	32.40904	29.02476	43.582626
39.844299	35.615746	30.157089	18.656723	24.021143	32.022667
14.601686	8.884088	10.288191	5.661332	8.658555	15.833409
101.219856	105.18779	54.191177	62.59885	72.683395	82.729996
13.740938	12.311537	16.941811	9.113395	12.424682	14.574388
1.009404	1.538089	2.159208	2.332174	2.015444	1.181734
8.930867	2.943686	2.044427	1.179962	1.304027	2.272338
0.754612	1.954506	0.895308	0.358536	0.274754	0.215964
23.502398	30.881678	37.8246	20.408546	27.897428	29.755088
55.54142	41.962017	29.495016	22.101763	30.119207	33.763256
6.960558	2.182485	2.436097	1.356667	2.78507	3.073344
55.749466	58.177631	82.856377	39.276451	57.265892	37.313927
0	1.853337	0	0	0	0
0.499589	0	0	6.706338	0	0
3.209875	0.861551	3.300598	16.233047	0.848786	3.007173
323.143677	330.940826	325.982697	382.810425	233.755753	163.756195
4.020575	0	2.808977	20.748583	6.718107	0
0	0	0	0	0	0
0	0	0	0	0	0
3.449002	1.576676	0.768016	3.62659	0.220592	0
1.743479	0	0	1.914119	0	0
0	0	0	0	0	0

20.736721	17.677309	19.173664	23.280899	19.234106	23.799505
23.677494	41.122997	33.134258	19.641228	33.135658	20.270842
63.807785	79.903458	97.183777	63.272449	124.774712	68.300018
0.492783	0.053462	0.088375	0	0	0
0.278985	0.673284	0.197973	0.509535	1.026083	0
0.74125	0.21346	0.16211	0	0.073305	0
17.471421	17.549202	20.365901	21.095209	18.458566	20.068706
3.460006	3.233213	2.363485	1.146778	2.040505	2.853931
0.061174	0	0	0	0.090061	0.770749
0	0	0	0	0	0
1.246135	1.23788	0.179804	0	0.643542	2.091815
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0

0.377591	0.209923	0.391598	0.410761	0.381701	0.159853
0.639238	0.286657	0.355609	0	0.353142	0.132773
0.050779	0.066116	0.451152	0.108766	0.316375	0
0.107534	0	0.025663	0	0.123132	0
1.623007	0	0	0.02313	0	0.047054
3.062546	0.074731	0	0	0.051941	0
0.13173	0.098763	0.01957	0.01805	0.034116	0.073602
0.454692	0.061973	0.063883	0	0.040693	0.056576
0.033425	0.097341	0.019455	0.053921	0.091397	0
0.06417	0.098249	0.284594	0.046486	0.072285	0
26.586811	24.837897	26.913027	23.606914	29.078163	24.753262
0.534249	0.514945	0.322078	0.130885	0.143599	0.752528
0	0	0	0	0	0
0	0	0	0	0	0
3.694754	3.648174	3.591113	2.282188	2.736052	5.424667
3.762036	4.227922	3.260018	1.45602	2.929501	5.356896
21.448174	17.320548	15.191424	12.032316	11.88204	12.86701
38.952988	83.799446	22.453917	22.048183	25.026955	48.175205
0	0	0	0	0	0
70.255447	83.222893	101.965103	84.140282	104.723907	89.059349
0.14853	0	0	0	0	0
0	0	0	0	0	0
12.79431	13.498725	16.500977	10.860677	13.124207	12.839931
1.229601	0.43764	0.422533	0	0	0.465765
6.831067	11.924519	8.479356	6.153415	7.759484	9.524498
3.033174	2.408473	2.49044	2.150138	2.144042	2.072642
0.30075	0.044855	0.082159	0.037551	0.163432	0
0	0	0	0	0	0
0	0	0	0	0	4.378284
0.158186	0.101721	0	0	0	0
0.352894	1.004981	0.132116	0.115055	0.485673	0.290457
0.18102	0.113397	0	0	0.226833	0.31913
0	0.31878	0	0	0	0
7.016541	4.702591	7.505456	3.309284	4.057488	7.972353
34.186642	32.802513	41.869759	29.289064	40.180271	32.946735
5.637602	6.035878	7.643263	5.496292	6.953792	6.343527
4.674243	3.111013	6.642275	2.941264	3.904811	2.872346
10.84231	8.561581	13.153434	9.067155	8.738742	10.239912
145.276199	195.598618	121.861244	134.346146	197.948837	197.536682
41.437531	67.231308	66.210747	68.328148	80.488503	58.078232
68.459908	83.972069	73.20755	45.6973	75.424164	50.474911
93.709595	142.287811	117.140579	122.870514	156.352951	96.996033
116.226475	89.630581	67.177767	78.032646	74.325062	96.532524
1.973257	0.884463	1.851143	0.595312	1.741031	12.35309
49.686852	35.97569	42.360295	27.980766	31.92525	38.549905
8.028917	7.912348	8.422569	5.899539	6.739786	6.143537
13.708589	12.772908	14.21876	10.82478	13.836218	14.285892
65.644119	70.197456	65.200111	60.054737	66.371941	69.921913
31.224438	46.216862	16.164141	14.035362	21.337852	26.132763

45.77449	41.456967	35.535211	30.62579	37.555403	44.919762
58.552929	53.697292	44.117802	29.675119	33.696003	58.679649
24.885614	21.833618	19.254181	15.408517	15.448775	21.399866
19.196333	17.930779	14.49329	11.147539	12.73481	22.086836
7.914129	7.934854	9.304783	10.013209	6.607329	6.836541
34.577362	39.18885	37.693802	33.461803	34.176723	40.258476
138.627411	145.969482	116.013588	91.65123	88.069641	189.956619
129.203354	135.263962	102.235214	74.268677	85.214371	146.526093
171.814987	157.727554	129.924408	118.486824	117.455566	220.504807
0.044404	0	0	0	0.034597	0
0.02302	0	0	0	0.044884	0
21.919731	19.84218	21.022738	13.511465	9.064694	19.233814
0	0	0	0	0	0
0	0	0	0	0	0
15.047945	14.206882	17.980469	10.899962	18.562777	17.026962
1.008803	3.166269	0.952255	0.688684	1.638317	0.923638
0.239756	1.017135	0	0.107134	0	0
1.879121	2.217619	0.534899	0.325153	0	1.419133
0.616117	1.619242	0.549267	0.3728	1.068398	2.058903
0	0	0	0	0	0
0.874211	0.713256	0.65635	0.108126	0.600024	1.043892
87.074348	87.622337	69.083084	65.841248	64.133507	92.008011
143.887665	153.415817	94.91259	88.375008	97.6922	150.786972
135.014084	131.490005	89.879852	78.66156	95.030861	182.081345
21.377484	20.144887	17.277717	16.300852	14.355891	14.807005
2.186456	9.199318	0.585293	0.625823	0.839648	7.869329
0	0	0	0	0	0
0.720402	2.906311	0	0.250377	0.632874	0.245603
0	0	0	0	0	0
7.945741	6.758377	9.695061	5.486866	8.83566	6.966431
4.196522	3.134732	5.130337	2.309388	4.497235	3.477107
6.451991	5.468865	5.179652	4.492221	5.479911	6.097287
49.305359	46.882626	35.642872	35.294472	39.459679	47.144604
2.108917	2.274557	2.514092	1.384584	1.385797	2.676239
25.997553	24.818264	23.457706	19.324686	26.811445	29.169687
17.041377	13.932004	10.81792	8.673549	10.483499	15.929397
13.379707	9.628419	8.875609	7.292656	10.126908	10.539258
4.983488	3.99634	4.136636	3.286124	3.612769	3.939424
19.507524	18.11989	19.884512	12.924222	17.32192	13.935578
25.272409	25.105953	27.073786	18.861073	24.201206	27.564562
20.934319	19.594261	17.565073	13.125359	20.851652	22.58744
44.05706	46.014885	42.720821	30.700508	39.784538	41.068169
0.249103	0.264671	0.533331	0	0.348236	0
79.96891	87.928703	77.156479	52.110279	71.231743	91.846855
14.23034	14.432865	18.813631	15.240686	14.475847	12.667839
329.700439	308.281952	175.848572	206.021545	202.217697	252.145279
125.1289	139.082301	130.686177	169.699339	158.220566	129.775827
66.565529	60.561752	50.211639	48.586933	56.77877	53.551609
22.139833	20.703419	20.179541	15.593413	18.924065	19.682325

7.735367	6.635788	7.679408	4.337554	5.779748	5.663037
8.76649	6.494102	8.316092	4.990525	7.597279	7.895328
1.068045	1.675218	0	0.372947	0.442213	1.986149
0	0	0	0	0	44.436737
19.379442	20.329488	25.340868	29.32056	24.602812	20.291232
17.659572	15.488389	16.447894	10.738568	15.946403	6.696196
0	0	0	0	0	0
0.398686	0.44775	0	0	0.049601	2.565194
0.178885	0.134277	0.189405	0.078612	0.144828	0.177849
9.957379	20.232515	18.389299	21.265776	28.973267	5.309791
4.424803	18.856157	2.119203	1.319938	3.546487	1.413696
99.600395	124.014725	97.460068	106.701897	131.158493	104.815308
3.804555	3.097202	2.833228	3.070654	3.013156	0.268119
56.480701	50.120564	38.057655	26.529781	46.160381	48.591705
3.818441	4.037573	4.379336	3.378031	4.352475	4.461347
2.091492	3.247303	3.077739	1.443853	3.012364	1.099922
27.997162	33.316666	18.019497	10.138786	14.252562	29.138863
58.425526	55.873451	48.329475	48.970383	47.776642	50.869308
4.046745	3.213707	4.797582	3.969071	7.213652	4.52066
3.467974	2.664194	2.749682	1.284095	1.765603	3.728994
3.608335	1.346262	0.929748	0.348857	0.960037	1.504162
0.279589	0.139646	0.042291	0	0.057047	0
0.074413	0.027989	0.024117	0	0.021746	0.12406
6.483038	6.409753	9.028613	5.837314	8.577631	3.583855
2.520789	0.75214	0.534889	0.227718	0.412333	0.421885
21.379793	23.067717	10.427405	6.186222	8.747798	23.446407
19.599627	22.413488	18.519865	9.884579	14.506569	24.564693
8.148669	8.403908	11.955729	6.147303	13.052993	8.413183
5.475415	6.830919	2.747707	2.372549	2.877999	2.255577
0.234389	0.095483	0.107988	0	0.072941	0.113718
2.014654	6.503903	3.784998	4.651308	5.155414	6.685863
0.335285	0.40307	0.317012	0.235835	0.208753	0.198242
0	0	0.048424	0	0	0
0.308416	0.395768	0.338577	0.110094	0.205167	1.605657
7.603175	6.463058	7.637657	3.845873	6.136866	2.818072
2.155306	1.418926	3.028175	2.150591	4.436097	0.799675
3.6579	2.538288	2.165349	1.298536	4.250094	2.207186
49.910049	86.476082	62.404926	50.810463	85.031784	90.610153
5.649276	4.562913	6.220656	3.31232	4.158502	5.32437
19.37489	14.920129	15.612364	13.26953	14.284356	14.761353
45.166828	43.765717	40.101921	28.358242	36.450909	55.302521
11.769087	9.253338	10.759976	6.991953	8.319066	11.279759
12.536272	10.978916	12.846967	10.256251	12.473777	9.031679
4.950616	2.949746	6.347561	3.070562	6.035092	2.263043
1.248488	1.239083	1.283964	0.70656	0.880738	1.091546
338.671173	319.556671	288.583832	271.711029	282.325134	345.552887
10.950338	9.02746	8.958422	5.596928	6.705053	10.165321
36.005615	56.284626	20.482218	15.515922	19.388563	55.68935
26.613619	27.025169	29.511534	19.263544	30.568018	24.758278

432.282968	401.169245	205.053772	180.345948	340.193481	1012.3349
2.5585	2.15188	3.54636	1.586395	2.191604	3.241895
3.38323	1.581022	0.99818	0.733827	2.678697	1.207775
10.433755	9.082876	13.324013	12.208757	7.72802	11.748546
32.521488	33.10247	37.050049	28.001959	35.261768	30.216974
0	0	0	0	0	0
0	0	0	0	0	0
92.978933	93.964894	46.513463	78.272114	86.732348	89.956479
0.173478	0.307566	0.446071	0.289031	0.252084	0.174214
8.415917	9.951846	3.260114	3.833372	8.548311	3.762171
13.924395	38.062614	44.634262	24.975882	34.537998	45.195515
3.648974	2.682637	3.759283	2.892576	3.879996	2.838366
73.832095	62.093057	52.167176	61.263381	52.901025	65.398735
29.32056	19.052802	27.537257	17.515558	19.762124	19.987885
69.8735	93.744059	100.889746	71.689415	103.723221	87.174292
657.821594	569.892944	410.525391	437.707611	522.759033	531.864075
2.355922	2.757651	4.595059	3.07158	3.56025	1.578786
90.048543	82.962854	64.839525	61.162393	56.284423	87.925957
78.548462	82.003395	87.788223	105.709198	88.14576	75.277496
130.061532	135.174247	101.217418	103.869625	109.22249	141.078555
6.263265	5.720612	4.338846	3.631334	4.042044	5.986714
11.433939	10.444397	18.96895	14.365226	15.246579	13.727179
32.340988	31.71451	49.874149	40.059547	45.623199	40.699604
5.657672	6.343005	0.955117	0.842707	1.816425	7.792306
92.244957	64.046844	88.265533	49.735107	84.981476	67.470718
0.487791	0.166707	0.77169	0.278427	0.21188	0.343664
2.942399	4.442529	3.748621	2.941008	5.547284	4.451119
108.10569	104.302788	60.840107	67.18882	62.453892	87.6968
8.003795	6.479518	9.405806	7.07303	6.546214	7.79113
2.014874	34.836052	1.924679	5.60106	14.208838	1.862915
1.436695	17.256717	1.083901	2.712186	3.273311	0.316426
0.246359	4.751294	0.221416	1.311886	1.949564	0.070269
24.685381	161.958165	4.522446	31.865268	42.128243	16.152563
30.202026	208.944717	7.632832	44.979084	53.954376	19.708229
40.640461	267.174652	5.646146	45.35759	48.125591	22.366444
17.168114	112.459343	3.107683	27.245089	29.502495	11.708089
28.804083	239.743759	2.539549	54.231411	43.395168	19.112738
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
1.612026	9.841804	0.569172	1.243172	1.489848	0
2.761447	1.182884	0.352382	0.330562	3.035906	0.589539
9.06937	3.832341	2.669872	2.792434	9.280714	1.239787
15.999013	11.163788	9.257485	9.23767	24.084839	3.369811
2.72477	2.437672	1.608968	2.024522	4.623806	1.278961
0	0	0	0	0	0
39.306335	339.546692	8.416429	40.691299	55.611046	18.789179
6.662752	59.769684	11.646157	16.023205	29.620239	4.39133
83.296646	157.144119	136.287628	75.939461	205.970932	11.720964

4.494255	10.04606	0	1.340009	0.354306	0.24152
0	0	0	0	0	0
1.454323	5.286646	0	0	0	0.922246
0.514031	29.938438	2.920382	11.520774	12.033496	0.152776
0	0.153883	0	0	0	0
0	0	0.189012	0	0.106592	0
0	0	0	0	0	0
0.090111	0	0	0	0	0.491022
0	0	0	0	0	0
18.686228	5.35874	9.410827	4.955519	4.952093	84.200455
0.088485	0	0	0	0	0
0.213908	0	0	0	0	0
23.191775	8.873845	9.949473	24.166416	37.045689	4.10146
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0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0.29554	0.152443	0.107801	0	0	0.424034
334.609566	263.306591	337.244082	339.343843	268.218322	414.847806
7.489124	6.472291	5.858653	4.015476	8.861883	5.667207
0	0.15409	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
2.06157	1.280356	2.82779	2.150472	2.582264	1.0944
6.826846	3.655261	2.468247	2.417356	1.947178	3.971216
2.528636	1.617126	0.427743	0.197786	0	1.314791
0	0	0	0	0	0
0	0	0	0	0	0
0.250593	0	0	0	0	0
0.152177	0	0	0	0	0
0.078525	0	0	0	0	0
7.449241	56.584614	2.381181	7.735364	8.193932	5.590214
2.215882	10.400477	0.292075	0.973239	1.152873	2.62485
85.390427	83.946877	149.840775	137.439011	227.811981	33.535713
76.257187	75.285515	18.652077	18.639231	36.177631	29.864519
0	0	0	0	0	0
240.150162	193.9384	105.855873	100.435989	144.753937	117.890579
3.946413	58.157234	1.909618	9.224497	12.042238	4.527853
214.621597	205.736069	84.931931	72.391838	184.199966	46.2826
529.341011	227.434325	292.699192	284.786679	416.025784	472.187826
0.629161	1.180799	0.670848	0.303309	1.147464	0
0	0	0	0	0	0
34.937607	30.886292	37.266949	27.535278	36.189957	43.859257
8.530962	6.596253	10.20971	6.223974	8.455259	10.044233
9.1783	10.952449	14.642133	8.640739	14.269614	10.213855
1.916046	8.333981	16.582536	8.421838	11.842574	1.927704
0	0	0	0	0	0
14.887907	5.461967	10.352892	4.216095	8.091126	10.07151

4.172068	4.212953	6.322894	3.402281	5.229234	4.709435
6.937301	7.139026	5.275233	5.563013	7.645326	6.976646
5.388587	4.619736	8.439951	6.114486	7.624792	5.155907
170.798942	163.670548	138.05114	124.773905	112.579937	181.461601
0.513088	0.088245	0.165695	0.053655	0.164562	0.031256
10.859866	11.649894	21.649033	10.358981	15.334223	11.080547
4.085609	3.57321	5.893914	2.766553	4.260738	3.45023
8.309192	8.29254	9.053668	6.345376	8.637916	7.27702
31.6227	35.320183	36.300434	28.104971	31.98497	35.245007
3.469477	2.970245	4.455079	2.732446	3.360215	3.199141
18.34726	19.559	29.343937	20.05098	25.699339	15.037054
13.369779	12.805822	12.03646	8.690151	7.026797	9.759311
13.464595	10.971461	14.656363	7.983292	11.120142	11.532789
51.886177	54.749332	51.210171	35.044872	38.294617	67.949135
20.026785	16.754306	25.742441	13.901186	16.210387	17.456912
2.514095	1.841236	2.114086	1.737385	1.596588	2.959737
1.634882	2.197297	2.278959	1.693803	1.469554	2.173431
4.262706	3.301353	4.254108	2.727578	3.766462	4.03645
0	0	0	0	0	0
0.136349	0.107044	0.090352	0	0.142494	0
0.739747	0.697003	0.520914	0.296199	0.60848	0.313782
37.738214	36.093685	49.322935	25.682532	34.690601	35.497396
17.332148	16.401909	15.822489	10.920649	12.792533	19.066875
29.8517	31.281517	30.21829	18.156656	22.013485	26.541256
37.862572	40.375515	31.548418	27.817921	27.516697	41.119396
41.280807	35.957462	49.776112	44.24556	46.381058	33.864285
66.202202	72.684013	81.043037	66.506424	76.618614	76.097404
49.261971	50.91581	62.883072	45.347717	49.452904	54.65506
35.222996	37.834618	33.875168	22.091513	23.077972	42.589615
112.225868	108.769363	68.382446	56.977295	66.455284	97.437729
151.119492	134.723663	98.580811	107.333588	97.275467	153.514572
7.933896	6.747887	12.563128	8.243204	10.693494	4.504475
2.496879	1.403766	1.524069	0.895305	1.151671	1.421532
0.156035	0.131009	0.293194	0.426605	0.112432	0.059585
2.707353	2.585493	2.361433	0.951711	1.358808	17.28064
66.984566	60.616698	63.577119	39.587079	42.860115	51.989837
105.522011	96.613335	98.508072	97.921616	96.176064	99.337616
92.627708	21.888254	14.661524	4.071287	9.724094	21.578613
17.301849	0	1.212064	0	0.809822	0.283352
18.944841	0.253065	0.654244	0.130215	0	2.002369
0.120014	0.066215	0	0	0	0
14.384281	13.184463	22.943378	10.01945	15.293335	13.616177
42.01614	34.714664	25.966618	23.505541	24.600077	34.41441
8.344475	7.4966	8.971986	6.201148	6.320644	10.925789
2.564283	1.75269	2.182638	1.080053	1.233958	1.32015
0	0	0	0	0	0
0	0.093938	0	0	0	0
0.112949	0	0	0	0	0
0	0	0	0	0	0

0	0.887272	0	0	0.168779	0
23.372122	25.621811	28.135889	21.338549	20.38899	32.816738
4.974214	3.694742	4.49973	1.77319	2.430937	4.546404
28.061731	27.150059	66.388881	30.117048	41.018557	29.10878
1.162939	1.112929	1.252433	0.90617	1.442983	0.474157
7.593116	6.210165	6.661244	4.491771	5.550858	5.734813
3.047933	0.16038	0.10126	0	0	0
6.379275	2.902164	2.654889	2.349581	2.849238	2.773586
1.587184	0.96271	0.577249	1.285768	0.360922	0.473329
7.377647	5.420013	3.306027	2.328003	5.391845	1.900717
1.108309	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
76.904434	51.472847	86.577444	44.108783	52.096211	91.728151
0.321411	0.803782	0.07191	0	0.048307	1.92892
2.699155	1.992558	2.114118	1.058185	1.573619	1.304411
8.803994	8.578744	12.583655	6.877304	9.278513	7.247444
4.995687	5.235753	6.171638	3.891994	6.228217	8.869123
5.655555	4.32511	4.679727	2.700607	2.805144	7.320752
4.478208	4.657588	4.252061	2.471165	2.501465	3.770958
0	0	0	0	0	0
60.382301	42.241962	45.307121	30.987711	42.276661	63.54887
18.727493	13.607387	10.583838	6.917134	9.663631	11.45893
0.230383	0.29919	0.162023	0	0.026203	1.72032
5.57023	3.298654	5.644397	1.59624	2.812027	4.06774
0.513696	0.51334	0.684293	0.200285	0.497133	0.392817
3.22601	3.364374	3.819138	2.627937	4.331295	1.774946
6.456057	6.857887	8.627487	3.427419	6.261142	5.885734
48.518635	49.452335	43.270782	33.796242	42.803291	47.448566
1.507065	1.094426	2.32329	1.835684	2.293077	1.396805
17.669128	16.317119	21.13885	11.965059	19.459713	15.663401
6.591584	3.916975	7.876008	4.395173	8.094131	3.880696
3.79803	11.130215	14.903713	6.323699	11.071483	12.610326
0.371227	0	0	0	0.802781	0
8.260366	6.053664	7.147416	3.630885	2.180951	12.930282
0	0	0	0	0	0
0.319286	0.123261	0.069905	0.096225	0.326934	0.109545
2.916966	2.024335	3.401177	2.207334	4.704028	1.811971
0.219758	0.441213	0.279063	0.192673	0	0.971077
0.32774	0.201139	0	0	0.905642	0
5.935457	3.609534	6.655237	2.994242	4.390595	6.999485
0.475938	0.378846	0.039992	0	0.19557	0.392714
8.074617	0	0.827252	0.287279	0	4.575808
34.900085	31.937698	30.399004	30.262705	31.71771	26.958143
7.224747	6.278595	5.467365	4.641009	5.206819	8.723018
325.387939	269.903442	205.483261	130.308212	181.350922	242.813339
12.411227	16.171383	23.015615	13.059111	19.3741	15.548308
21.744946	19.214763	24.132715	14.115155	17.072183	20.377453
9.293781	13.296459	16.781797	10.744761	14.292339	10.960484

10.600867	10.983822	9.806686	5.018779	7.718858	8.245893
10.424398	10.088483	8.552309	6.005786	7.371474	10.934232
10.484388	12.515391	13.104037	9.251523	10.280725	11.820179
0.738213	0.738686	0.698886	0.359142	1.225752	3.261012
40.716563	35.295887	38.456396	23.063194	34.07705	30.345679
0	0	0	0	0	0.780159
1.956121	1.84598	0.872672	1.295185	1.30223	2.412387
42.787963	33.059463	37.901446	32.115517	37.104776	36.731674
18.467266	19.202913	25.25393	13.77976	17.449401	15.159909
21.407108	21.599931	20.460337	19.4132	20.845073	15.668845
20.170315	20.304829	18.655991	13.690966	19.536654	15.631264
34.146484	29.961912	40.128586	22.961164	31.973824	28.958178
5.838305	5.087589	5.966333	3.713042	5.208728	4.465789
0.274098	0	0	0	0	0.258571
0.365731	0.336537	0.37743	0.079197	0.089987	0.071764
6.44028	4.376831	4.751873	1.431794	2.215203	4.492363
0.351582	0.329578	0.583328	0.084037	0.267729	0.055895
2.461984	2.25761	1.445919	1.420384	2.032978	4.346983
0.298592	0.088993	0.115541	0.030137	0.161715	0.136178
0.107417	0.284358	0.077483	0.083998	0.081964	0.066918
2.063715	1.214178	2.045646	1.003002	1.061556	1.553092
21.819893	21.528051	27.522026	14.1939	17.919006	21.151623
8.477679	11.208136	8.2357	6.240933	8.911442	8.924828
1.188542	0.593703	1.593329	0.632488	0.690947	0
31.184094	36.575824	49.905183	28.096348	44.345447	36.272074
3.450942	1.716768	2.055206	0.949032	1.246509	1.089904
0	0	0	0	0	0
0.750627	0.904954	0.741042	0.237467	1.127569	0.354044
8.310581	4.902164	6.418003	4.408956	3.034867	7.192103
0	0	0	0	0	0
0	0	0.327185	0	0.083536	0
0.449305	0.427882	0.278158	0.35791	0.231657	0.134679
11.071852	17.491692	18.31319	9.154772	13.836017	16.341795
648.55481	676.193542	464.071747	509.539246	519.436096	703.648193
0	0	0	0	0	0
1.477332	0.179254	0.052595	0	0.426829	1.131415
0.330438	1.84247	0	0.234704	0.119233	0
15.510905	10.849864	7.556672	6.560186	7.131542	8.786833
99.673814	84.64632	68.12178	44.853321	68.165852	78.42392
0.182061	0.1301	0	0.030575	0	0
0	0	0	0	0	0
0.210106	0	0	0	0	0
0	0.053814	0	0	0.076387	0
11.029211	11.414851	11.48279	6.815013	7.848239	12.928644
13.660235	17.150198	13.742853	8.701974	8.331635	20.88476
34.706705	80.959523	85.500492	35.314131	36.486914	40.504971
11.628831	11.817735	12.305478	10.476005	11.645762	11.60125
1.364663	1.327196	2.064265	2.328232	2.772707	2.069219
1.241355	1.576936	0.882132	0.538524	0.589792	1.754852

2.193246	1.78434	3.369133	1.480548	1.922063	1.439241
2.209108	2.773175	3.214122	2.017982	2.728406	2.759433
0.98297	1.65127	2.533992	0.918362	2.292805	1.098551
0.191665	0.368302	0.277963	0.222454	0.207559	0.246147
2.28174	2.614053	2.127247	1.189288	1.694252	5.54937
0.404648	0.411724	1.270373	0.553742	1.015022	0.604783
9.057236	6.664587	6.410987	3.006122	3.448323	4.91966
3.892029	4.263371	4.086672	1.851084	3.7298	4.982941
14.095084	11.831207	14.689119	11.086555	11.651473	10.962635
5.924529	4.097298	4.040624	1.968369	3.003549	6.282951
8.105977	8.475498	5.621001	4.294569	7.019869	10.241665
0	0	0	0	0	0
0.124751	0	0	0	0	0
43.344207	38.78008	45.067771	25.771737	37.219587	38.364954
10.033672	11.823572	14.931618	7.888188	9.462805	14.632301
13.583893	5.149319	10.039045	3.330665	5.082373	9.200232
0.801234	1.381496	3.027247	1.041145	1.680179	1.308309
3.429842	8.389754	0.938976	1.926279	1.839792	2.505862
1.436193	1.830452	0.043948	0.152004	0.175433	1.82398
0.521587	0.251862	0.17704	0.184314	0.314339	0.144748
0.593468	0.289777	0.06903	0.057794	0.069899	0
52.135899	62.407014	40.034941	20.513484	30.777838	49.533122
10.74968	13.566215	17.257618	12.824976	19.685511	7.676474
1.731567	1.513103	4.081125	1.526409	2.029947	0.814672
10.070109	8.296461	9.709833	5.686387	7.809204	7.442447
11.633677	12.213068	11.79159	10.693762	10.445471	11.874726
19.49655	29.783781	24.854185	21.033352	25.143112	19.276112
0	0	0	0	0	0
0.432442	0	0.089971	0	0	0
3.953246	2.912484	3.866935	2.348664	2.111448	2.836482
9.674808	9.21704	10.696048	6.69028	9.637788	9.602416
88.297612	81.276947	86.751779	89.711241	76.51746	96.41936
20.79801	21.226579	22.431366	13.428891	19.309712	15.594888
10.050292	12.634145	23.822005	12.412951	17.046771	11.952389
6.784626	5.938012	4.432415	3.426489	5.303567	4.317217
6.472459	7.895488	10.033331	5.531145	7.158588	8.684478
135.257753	82.295417	63.305345	31.947352	42.326132	95.864644
12.711665	8.106772	7.614826	5.877212	5.747617	11.335172
13.602382	9.981199	8.412501	7.352509	6.346681	11.300845
3.511529	2.174301	3.544973	2.776027	2.744011	2.582835
35.535248	32.802256	39.321639	22.178337	31.725824	33.506075
5.587571	8.084346	6.562471	5.338746	4.534291	7.68135
6.171624	5.540644	11.529119	5.170649	8.968053	3.681544
4.464802	4.014147	5.672063	4.509641	3.669767	4.505584
7.96409	7.208667	15.909767	6.880695	12.497968	4.75115
35.286407	27.068621	26.706289	13.565727	21.453577	29.303713
0	0	0	0	0	25.020594
0.25062	0	0	0	0	0
66.547614	94.446313	68.120021	84.553457	77.146779	70.935644

1.127282	0.269003	0.475466	0.160701	0.441649	0
0	0.216406	0	0	0	0
0	0	0	0	0.060275	0
0	0	0	0	0	0
1.337566	1.300735	3.056061	1.785726	2.704106	1.775089
5.421459	5.361866	7.575393	3.525121	7.487402	2.02854
0	0	0	0	0	0
6.799877	6.413771	4.220914	3.159233	3.046989	4.905826
24.284128	20.631626	18.259218	14.599408	15.609481	25.773241
10.408051	5.918486	7.973855	4.305615	4.242757	11.606852
0.346146	0.594359	0.690404	0.139372	0.556565	0.425288
44.870392	33.419369	24.262726	20.132582	25.172949	31.012461
25.845314	22.706736	27.665071	14.708296	23.676634	18.937212
0.542677	0.515817	1.002892	0.104936	0.305948	0.367515
13.627814	14.781661	21.236118	15.11947	21.695806	16.492966
0	0	0	0	0	0
0	0	0	0	0	0
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0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
20.22938	20.16197	25.436159	17.122885	20.069498	16.031733
15.430223	14.15917	14.164449	12.7975	12.114765	18.527081
0.040881	0	0	0	0	0
0	0	0	0	0	0
171.845093	176.292007	133.292038	133.138214	115.734505	183.45311
14.01454	12.336688	9.895875	6.254923	4.064208	12.735662
14.003725	11.805722	20.774567	8.942214	9.359726	16.316643
1.799052	0	2.606717	0.048518	0	3.412881
0	0.031554	0	0	0.108543	0
0	0	0	0	0	0
9.708127	8.488392	9.41114	6.011425	8.647894	9.400556
0	0	0	0	0	0
1.700752	0.560194	0.578264	0.697989	1.001593	0.464739
0.503794	0.093076	0.200445	0.172682	0.592427	0
1.502277	1.332731	0.319393	0.14962	1.167276	0
37.968559	41.182434	12.610941	7.965157	7.438751	39.531532
29.639784	23.55668	23.192	17.885392	20.319183	28.110558
1.274637	4.29041	0.204221	0.510351	0.148831	0.914022
0	1.565379	0	0	0.09159	0
6.775221	4.94276	5.735614	2.040367	3.406026	7.111243
0	0	0	0	0	0
0.072851	0.279305	0.028119	0	0.038032	0.626939
1.353653	0.184094	1.977679	0.251	0.588492	0.194023

5.724411	6.81261	7.6514	4.509403	6.030783	7.195885
12.567185	6.494658	6.792532	2.837762	10.07567	6.119481
14.281627	12.54485	8.717453	6.414266	11.165376	12.623635
0.130937	0.070165	0	0	0.096383	0.178074
13.657107	15.428638	12.958117	9.568457	10.003878	12.666857
0	0	0	0	0	0
28.28522	24.677077	25.930927	15.924136	25.507698	24.1772
0.3759	0.431442	0.109534	0.468251	1.098713	0.111931
6.418185	3.568891	10.158366	5.870341	8.802249	4.434776
14.408297	11.92491	13.029972	7.565756	10.21046	15.60614
0.400451	0.396999	0	0.060254	0.210652	1.264251
9.141872	9.165812	7.806732	5.173597	7.861668	9.512894
0	0	0	0	0	3.505464
0	0	0	0	0	5.946836
0	0	0	0	0	0
1.674618	6.788063	0.965206	0.422871	2.22915	0.406848
0	0.038044	0.030925	0	0	0
0	0	0.033744	0.046374	0.250417	0
8.813949	16.394768	10.202247	10.805718	14.32936	9.296679
0.037582	0	0	0	0	0
0	0	0	0	0	39.1036
0.31615	0.318554	0.228807	0.113751	0.222665	0.284379
32.838882	23.092012	10.766812	11.655881	15.077229	22.04204
11.965163	10.841959	8.7571	5.669097	10.688856	8.598645
0	0	0	0	0	0
37.310543	40.233036	25.603203	25.808683	23.010363	48.675247
3.298383	3.444454	2.37056	0.884474	1.145465	8.168458
0.200728	2.159676	0.497943	0.201884	0.87446	0.171122
0.406226	1.380873	0.085511	0.137759	0.307397	0.388069
4.206943	4.357337	5.912852	2.487997	3.056803	5.703357
0	0.08323	0.258281	0.128691	0.330125	0
3.416526	4.987794	1.55884	0.706096	2.140804	1.372751
34.720394	57.023375	39.666583	36.896091	59.746156	33.123391
0.385331	0.083833	0.095894	0.1669	0	0
0.050337	0.247847	0.12996	0.100731	0.14185	2.649051
8.824482	7.124603	6.132409	4.686523	5.389134	1.615956
0.848383	0.537375	0.381835	0.743608	0.986859	1.11878
0	0	0.091565	0	0	0
0.678099	0.420683	0.092879	0.107081	0.290892	0.189018
0	0	0.065453	0	0	0.16411
0.332251	1.683503	0.073688	0.499228	0.813396	0
0	1.08432	0	0.035691	0	0
0.243669	1.96339	0.103661	0.625077	0.390177	6.084508
9.037756	6.033672	7.551836	4.280861	5.007729	2.527537
0	0	0	0	0	0
0	0.022166	0.03752	0	0.050748	0.123473
0.119511	0.257242	0	0.10261	0.083783	0
2.997564	4.890936	2.16713	1.474024	2.561963	1.368734
0.182982	0.178328	0.178572	0.241501	0.504162	0.279418

0.453294	0.222772	0.333181	0.120121	0.143129	0.217693
0	0	0	0	0	0.064447
1.215105	1.46204	1.380462	0.710074	1.086355	1.527345
15.395126	16.326736	19.896949	9.01894	11.312425	19.759586
5.561919	6.091956	5.102817	2.979279	4.170484	3.698892
0	0	0	0	0	0
0.180661	0	0.058705	0	0.057137	1.354367
0.285101	0.325526	0	0	0	0.017927
0.414922	0.139036	0	0	0.048953	0.178534
10.715318	14.549493	19.579443	11.002901	13.478223	17.026791
47.951515	42.502277	39.410423	24.524193	24.224823	48.067204
0	0	0	0	0	0
0.050588	0.065061	0.1616	0.100895	0.297905	0
46.26193	62.978121	94.476409	121.065361	225.592144	100.112451
25.830038	27.146564	24.293953	15.609665	18.002787	29.698153
2.16013	31.682144	0.106639	1.016971	2.81208	5.590568
0	0	0	0	0	0
0	0	0.184216	0	0	0.46754
0.670758	0.633524	1.494932	0.492775	0.852136	1.747796
0	0.147456	0	0	0	0
2.198355	2.372588	2.997315	1.225097	2.33892	1.729767
0	0	0	0	0	0
3.870748	1.461783	1.729861	0.860947	1.706919	0.941925
1.742033	4.572249	0.428665	0.197685	0.831615	10.712045
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
2.244607	2.304901	5.355624	2.977396	3.285243	2.083984
0	0	0	0	0	0
1.929463	3.246802	3.23541	1.730379	3.096373	3.046924
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0.128637	0.062632	0	0	0
0	1.520146	0	0	0	0
3.247802	4.344648	8.454793	5.146946	6.497831	6.10647
3.315635	2.521275	4.922277	2.969689	3.349228	4.654461
0	0	0	0	0	0
0	1.288881	0	0	0	0
0	0	0	0	0	0
0.345287	0.760494	0.375351	0.305822	0.370117	0.635047
7.972745	6.420864	8.968406	6.010005	8.220572	6.133998
0	0.156643	0.145436	0.111233	0.253743	0.277184
0.116256	0	0.041757	0	0	0
0.043248	0	0	0	0	0
1.475753	0.602305	0.60753	0.133198	0.445015	1.606173
0	0	0	0	0	0
0.250272	0.512326	0.617957	0	0.595289	0.23258

37.82502	56.061646	45.389107	39.742828	47.300224	52.306553
8.922672	10.871539	6.834968	3.01638	6.319892	12.389547
47.404007	43.881355	39.699997	27.045952	35.242138	55.363811
13.342269	9.098411	13.129256	8.318756	9.194448	10.910178
4.918762	6.865131	4.636212	3.332559	4.107841	3.597437
7.458091	4.003755	5.630166	3.541323	6.524565	4.94986
4.053509	8.255656	3.807464	2.492445	3.112587	12.557546
3.663943	3.650886	3.878572	2.887047	3.056848	3.859873
30.45216	32.848652	41.110786	37.955608	40.885338	35.062702
0.144828	0.22139	0.473451	0	0.108217	0.137194
8.407697	8.085529	6.634812	4.707407	6.926943	8.114235
0	0.280173	0.355679	0.170073	0.406441	0.236818
19.220324	19.763021	19.624762	13.826395	15.830502	25.463381
0.779745	1.03342	0.881735	0.388892	0.788434	0.989767
17.607437	17.462316	17.02519	8.265945	10.803722	25.77977
3.228754	8.03509	1.31899	1.278578	2.793336	2.585425
27.396721	26.288607	32.255318	20.031908	20.018089	30.633514
7.364545	10.681653	3.758113	3.06494	5.193045	6.640588
4.150686	4.506162	6.580557	4.517542	5.003205	2.599091
1.455869	2.249759	6.997077	3.324866	4.088224	0.963448
37.779594	34.3624	41.818481	29.291595	32.24873	30.825764
2.006261	1.045894	0.655665	0.738195	0.986061	0.958311
232.249817	212.761902	178.047897	151.87941	155.055222	279.580048
5.738737	8.027613	12.12673	9.309381	10.281961	8.999774
0.108069	0	0	0	0	0
4.585478	3.047872	3.46798	2.792104	2.410388	4.499933
16.793207	19.384821	11.033899	10.396381	10.083433	19.811089
0.141702	0.071897	0.184809	0.113046	0.158732	1.001622
1.235334	0.496052	0.284981	0.122513	0.284737	0.539307
4.286398	2.334279	6.630829	5.566698	4.323302	3.637287
28.983187	30.174133	42.910908	36.69289	34.314007	21.593477
13.924212	15.015726	15.037738	11.34665	12.884798	10.677873
106.707794	148.349457	88.845459	79.317451	80.417404	127.300354
360.897064	310.612732	332.339813	283.436493	269.105316	387.850128
4.428042	2.999308	3.531054	3.602537	3.616285	2.626066
0	0	0	0	0	0
3.227487	4.574176	2.563538	1.420916	2.440543	1.572544
3.727724	2.138052	1.610045	1.083132	0.975705	1.60952
10.270378	9.566128	9.924963	4.9905	8.369365	12.774259
15.573743	9.901843	9.639203	4.353291	8.567033	21.662746
4.838642	4.678988	5.368351	4.037769	4.686628	4.074816
6.56119	28.307667	5.723999	9.736014	6.816164	3.670127
0	0	0	0	0	0
177.668167	164.501205	124.009453	111.100891	109.292274	302.717987
18.555988	18.321873	17.952103	12.51945	20.110092	15.781842
0.282979	0.103748	0.753373	0.501534	0.140271	0
0	0	0	0	0	0
0.141412	1.73874	0.129729	0.232191	0.155446	0.14365
0.485444	0.848162	0.529726	0.288773	0.466709	0.919811

6.534185	4.773271	7.577206	5.292673	9.138344	4.521577
1.462779	1.461821	1.372495	1.11369	1.010378	1.957525
0	0	0	0	0	2.966931
0	0	0	0	0	0
0	0	0	0	0	0
1.810954	1.746403	1.357873	0	0.404074	15.979691
0	0	0	0	0	0
0.041376	0	0.07466	0	0	0
0	0	0	0	0	0
25.611177	24.630756	59.999428	43.258259	54.932655	19.864241
3.660491	21.717432	1.507868	4.196115	3.164706	12.978722
4.280437	3.933726	3.936873	1.545412	4.209234	2.294523
12.670787	11.560392	8.921096	5.930857	9.499382	57.281277
2.85506	9.896408	0	1.25696	1.426692	1.9046
0.232889	0.200006	0.063689	0	0	0
0	0	0	0	0	13.190983
1.062903	0.251619	0.604197	0	0.460393	16.287149
0	0.016659	0	0	0	0.068175
102.71452	140.737212	181.500072	96.950076	111.746965	143.110209
11.745865	8.594369	10.909635	6.405639	5.249677	7.717634
6.833173	3.821785	4.497662	2.058809	3.163338	3.497428
0.140528	0.0701	0	0	0	0
51.553989	83.637115	131.343643	186.112289	230.274872	54.605881
2.501311	0.712862	0.581636	0.110512	0.798363	0.588356
0.258077	0.034391	0.058644	0	0.118451	0
0.333891	0.079573	0.074619	0	0.098746	0.110572
0.177452	3.248605	0.062952	0.314329	0.462503	4.480425
1.452468	1.332687	2.354052	2.484558	5.066551	0.706818
1.924191	0	0.052144	0	0	0.936224
4.189277	3.402824	4.859731	1.7012	3.15301	2.527327
0	0	0	0	0	8.099507
3.507713	7.941776	2.363532	1.997676	2.333289	2.577394
0	0	0	0	0	0.4912
7.382405	9.448997	12.071743	6.676936	12.288462	6.549527
1.532148	1.050332	1.254381	0.43461	1.051004	1.864723
4.343693	2.683528	1.61225	1.255524	2.039361	3.143248
0.104211	0.397158	0.04701	0.091367	0.076369	1.094231
0.091465	0.116451	0.049944	0.045757	0.058846	2.07038
0	0.095099	0	0	0.074564	0
7.068969	4.605585	14.358457	14.221767	12.548155	18.21763
15.810183	14.567931	13.002123	10.481706	13.596239	15.833498
12.164701	8.306967	9.684011	6.34374	7.55098	10.398669
7.414089	6.425027	7.737774	4.835498	6.453122	6.092145
0	0	0	0	0	0
17.804764	16.48	20.17783	18.67318	20.30138	19.558811
13.753318	11.226151	10.790936	8.009151	11.514169	23.478043
12.642537	7.262082	10.547621	4.284874	8.004687	8.773123
0.053833	0	0	0.081611	0.079787	0
7.420119	7.717324	9.693897	5.06006	7.840614	9.303734

0	0	0	0	0	0
0	0.046839	0	0	0	4.536824
0	0	0	0	0	0
18.864895	18.060316	16.467457	13.400531	14.259068	18.149931
19.70073	18.877979	15.102691	12.677822	18.235821	17.050534
6.827235	7.435803	8.21492	7.251006	7.024695	9.049272
18.569122	16.872551	16.110912	9.434943	12.530805	19.132402
4.486933	3.02013	2.943341	2.028531	2.818709	2.922522
53.353107	51.583153	31.447836	23.381386	30.956484	57.925823
45.209003	50.388229	54.102276	35.872192	52.656166	54.107628
18.598853	20.359228	26.028541	20.115838	20.020212	21.670996
10.216747	7.687284	9.02647	6.74208	7.790558	8.471507
9.117504	7.676324	6.963309	2.818154	4.851003	9.972019
24.24638	22.696747	24.574774	15.265777	20.292974	35.144773
4.229175	5.273034	4.927424	3.273864	4.13672	5.344934
3.082209	3.902903	4.516047	3.631133	4.18374	4.057855
0.057823	0	0	0.05805	0	0
10.553642	8.763348	7.738814	3.988389	6.845387	9.750024
5.103749	3.916842	5.702787	2.47513	3.539803	5.496885
5.159249	3.975977	6.182574	3.227216	3.733515	4.021241
30.861052	44.886635	37.218227	25.611307	26.972206	41.628979
0	0	0	0	0	0.05214
1.942448	2.113772	1.737665	1.57208	0.868014	3.99737
0.136559	0	0	0	0	0.111307
0	0	0	0	0	0
13.457893	13.495586	12.881087	9.633508	12.916939	11.904226
22.764915	17.506191	18.429253	8.807284	14.684673	19.045729
4.534105	4.366648	4.12796	2.762266	2.414033	7.904545
0.815236	0.573552	1.661488	0.670788	1.229265	0.605945
0	0	0	0	0	0
14.203491	11.354662	13.815754	7.215519	9.401944	10.061665
0	0	0	0	0	0
1.091408	0.400896	0.531053	0.172429	0.563824	0.255987
0	0	0	0	0	0
2.040913	1.022554	2.598379	1.54981	2.457151	1.578159
1.060328	1.244263	0.750759	0.359774	0.571529	4.503391
8.502908	5.25032	8.195526	5.088002	7.230501	5.395045
7.156	7.411347	8.279855	5.697922	8.421665	8.260801
10.382235	13.516803	13.741023	7.899217	10.185922	10.553461
4.561954	3.600887	3.489667	2.003644	1.998183	3.522898
42.666836	39.250169	21.549607	27.191906	18.040226	16.323583
0	0	0	0	0	0
41.665142	28.269503	51.884773	28.866388	40.307289	38.621311
3.620407	22.54284	0.862472	2.502314	3.885429	2.491864
1.033573	5.195753	0.445316	1.409684	1.430171	0.598599
0	0	0	0	0	0
10.168606	3.885196	6.156685	3.907661	3.986693	5.393486
11.810005	9.514462	15.939885	8.950934	10.262813	8.809542
0	0	0	0	0	0

2.595027	1.599066	2.853691	1.120606	1.694315	1.384371
85.618004	85.5243	66.687958	51.317364	75.157799	87.473999
7.132612	6.437059	9.811573	5.087702	6.906559	6.151886
8.407062	8.139654	6.909925	4.731856	6.499063	9.374073
0.056808	0	0	0	0	0
42.284471	33.98079	51.34327	27.911273	36.576681	28.825833
20.942319	23.291851	26.7639	20.334965	27.378985	15.962101
0.389169	0	0.329889	0	0.488853	0.509255
6.743751	7.027691	9.191831	4.183978	7.105205	6.555779
0.75121	4.599909	0.272553	0.433292	1.639911	10.428656
0	0	0	0	0	7.036964
21.574856	16.200882	14.201109	11.899979	14.068372	22.999121
125.164204	115.539254	89.802391	72.053413	89.805309	101.345604
1.48961	0.973494	1.418132	0.660614	2.703603	1.167027
9.29158	9.079971	8.422621	4.518756	6.227462	10.94687
0.155863	0.692278	0.328297	0.161761	0.057046	12.949718
95.981094	91.401951	66.655151	54.000884	97.837283	121.033029
4.525148	6.205348	0.390326	1.165333	3.380705	3.11745
9.466774	9.534113	12.007442	9.50511	11.648276	9.622787
5.521184	5.253684	4.902195	3.509336	5.563131	5.875782
3.924035	3.397214	2.863716	1.674654	2.02052	2.433856
2.290552	1.26456	0.505163	0.208772	0.631904	0.548203
13.489915	7.842939	12.037488	4.94765	7.828203	15.246909
11.98763	8.301714	6.258512	2.571113	7.347379	3.04333
6.157154	7.940033	11.965995	10.124843	10.233363	8.143467
50.558576	43.323399	51.972933	32.346249	46.462015	36.809872
0.875794	1.378765	0.129269	0.178445	0.482183	1.195989
0	0.284948	0	0	0	8.445455
0.124949	0.158468	0.066968	0	0	0.138763
0	0	0	0	0	0
0	0	0	0	0	0
3.075716	3.729962	1.322153	1.186041	2.892755	0.69434
8.999961	6.870416	5.475702	3.26594	5.156665	6.276769
5.976228	7.520108	3.462776	2.430662	2.994092	17.487099
0	0	0	0	0	0
2.114126	2.677441	1.398501	0.409319	0.729101	5.849751
0.287799	0.972508	0.125358	0.200984	0	1.042423
0	0	0	0	0	0
42.698132	49.80006	37.155331	27.330431	43.471382	36.535366
0.212268	0.028646	0	0.097269	0.234786	0.04559
0	0	0	0	0	0
1.393059	2.519399	0.917536	0.521793	0.761581	1.192376
10.910163	11.549697	11.128457	8.76235	9.989779	10.305577
23.094466	20.778904	30.972172	17.184487	25.625256	21.291369
2.615964	2.590252	6.256584	4.13882	4.921196	1.530203
0.253228	1.572112	0.344631	0.859615	1.140971	0.947927
0	0.025437	0	0	0	0.211591
5.082616	4.938913	6.28188	6.439318	7.425747	4.476113
1.183234	0.984456	2.667429	1.37223	2.017682	0.919409

0	0	0	0	0	0
52.450539	58.793484	64.432182	48.358055	69.511162	43.697926
0	0	0	0	0	24.865053
0	0	0	0.519862	0	26.773752
8.050178	7.04101	7.23631	3.83758	4.579597	12.027876
3.222872	3.204015	1.378335	1.349501	0.660036	4.31353
0	0.127699	0	0	0	81.364403
0	0	0	0	0	0
0	0	0	0	0	3.970587
0	0	0	0	0	0.203343
0	0	0	0	0	0
3.496657	5.612343	4.683714	3.975742	3.96455	3.461497
0	0	0	0	0	0.795137
0	0	0	0	0	5.673316
0.487689	0.266791	0	0.052122	0	0.402637
4.059692	3.34931	3.33626	2.09528	2.337034	3.135969
0.175104	0	0.031943	0	0	0
0	0.061123	0	0	0	1.562925
0	0	0	0	0	1.777109
0	0	0	0	0	0
0	0	0	0	0	0
0.23725	0.841031	0.137726	0	0.465318	0.161598
0.281409	3.825762	0.101588	0.565966	0.612532	0
0	0	0	0	0	0
0	0	0	0.06282	0	0
0.468944	0.020633	0.061118	0.060236	0.094948	0.245515
0	0	0	0	0	0
0.093492	0	0	0	0	28.569672
0	0	0	0	0	0
0.09729	0	0.036328	0	0	0
0	0	0	0	0	13.181129
0	0	0	0	0	0.524319
0	0	0	0	0	0.19507
0.193689	0.118619	0.215774	0	0	1.863916
0	0	0	0	0	0
33.683563	25.016975	41.188992	17.149097	28.649275	28.729769
0.340444	0.097212	0.295655	0	0	0.186151
22.562372	20.671114	36.352282	26.559976	35.184547	53.37815
5.143139	12.223889	14.060206	7.948707	8.706564	9.370269
7.279934	8.396214	8.521914	5.557376	6.435935	1.302377
0	0	0	0	0	0
4.414675	4.241039	4.13089	2.556055	3.178207	4.487472
0	0	0	0	0	0
0	0	0	0	0	0
0.023065	0	0	0	0	0.009218
0	0	0	0	0	8.232297
4.87373	26.649399	15.790553	25.27476	29.055451	3.82706
0.996234	1.725592	1.905054	1.884476	0.705245	0.589801
0.718292	0.339125	0.152952	0	0.200412	0.433359

30.912125	32.478161	45.57653	26.610615	19.843592	41.294312
18.20326	16.183878	21.11734	12.753141	14.590466	17.100098
42.871964	37.135239	38.408962	26.032469	25.548376	36.955544
13.421055	10.210299	7.163227	4.302007	7.162417	20.21104
11.488875	7.328879	7.01362	3.385412	6.522162	13.407055
0	0	0	0	0	17.636131
1.574128	0.342367	0.614813	0.340232	0.569491	0.703487
0.08591	0.076941	0	0	0.070461	0
0.275208	0	0.144442	0	0.085561	0
18.371495	18.450817	19.525721	8.833526	14.821073	14.402643
15.626152	14.310323	14.908512	8.157061	12.417409	12.579505
0.326405	0	0	0	0	8.044992
0	0	0	0	0	3.014212
22.37501	24.831465	15.348265	7.42628	19.024254	95.949463
10.618453	11.775396	7.35189	2.739763	7.503474	6.246377
1.248119	1.201337	1.437904	0.52459	0.423165	1.383621
9.749537	8.661766	20.145203	9.834385	10.602803	7.172176
3.651391	2.944549	3.044509	2.083464	2.316921	3.126146
0.153105	0.18371	0	0	0	0
7.806051	6.466763	13.027181	6.273145	8.133896	7.430342
8.286613	2.20558	1.922311	1.112105	1.337778	2.500066
0	0	0	0	0	0
0.596071	0.232436	1.830403	0.661796	2.892917	0
0	0	0	0	0	0
0.396235	2.164429	0	0.24698	0	0
0.09941	0.067277	0	0	0	0.189547
0.81918	0.520323	0.713537	0	0.457394	0.751002
0	0	0	0	0	0
2.567961	13.365624	0	1.125762	0.886935	1.171015
0	0	0	0	0	0
3.309269	2.228112	1.294991	0.871601	1.170137	4.857113
2.213062	1.656673	4.531032	1.321431	1.071712	2.000504
2.886935	2.382197	0.44976	0.414162	0.671564	0.669503
3.353446	4.268363	2.493636	2.36595	5.383722	3.301621
0	0	0	0	0	0
0.392592	0.04584	0.192079	0.071486	0.157305	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0.42818	0.596979	0.152562	0	0.206394	0.055369
17.871008	7.168972	4.359319	3.108675	4.56681	6.035747
2.27344	0.519094	0.636195	0.458141	0.699425	0.551105
0	0	0	0	0	0
135.99234	67.533852	50.861298	35.279037	48.042797	88.008438
0.919695	0.88878	0.773261	0.325506	0.490489	0.940461
12.472405	2.604419	3.274544	1.720299	2.979323	3.793039
12.82999	2.83006	1.053672	0.501148	1.223991	3.174498
0	0	0	0	0	0
7.676993	1.652091	1.125296	0.465628	1.22809	0.651901

1.450571	0.429322	0.684095	0.444199	0.531772	0.663475
0	0	0	0	0	0
156.391907	132.232986	122.04789	124.178001	113.089836	167.901535
0.266616	0	0.173858	0.029136	0.113558	0
3.257438	1.813711	2.635267	1.847149	2.52836	2.413199
25.513765	21.353161	14.189814	7.394156	19.529978	5.992946
0	0	0	0	0	0
0.029186	0	0.011913	0	0	0
0	0	0	0	0	0
0	0	0	0	0.056874	0
0	0	0	0	0	0
0.179181	0.276532	0.208033	0.287332	0.157807	0.352245
13.407416	10.101517	24.131159	11.134478	9.549709	9.246806
11.264315	10.749865	10.945251	7.32521	9.405319	10.772357
1.041044	0.869726	1.305483	0.589697	0.61094	0.625399
72.608017	56.029633	43.005924	33.106255	40.505459	87.827148
49.329716	0	0	0	0	0
37.895138	21.588936	41.316608	22.213663	125.870605	24.057587
43.911982	26.766934	31.598622	23.448593	25.115274	22.591149
14.964419	11.456388	14.51182	11.451094	12.423992	9.822386
7.206117	12.231136	1.849	0	1.420958	0.392479
0	0	0	0	0	0
4.194073	4.699843	6.568112	3.590926	5.23455	3.864848
4.696484	3.609656	7.347803	3.71708	5.62077	5.061074
0.934409	0.663319	1.208874	0.653439	0.964901	0.828886
0	0	0	0	0	0
0	0	0	0	0	0
14.833446	20.60713	20.282341	18.287075	22.719715	16.509863
5.11855	4.677912	4.922424	4.046059	4.662407	4.593882
9.67278	12.982471	12.852984	10.080601	13.443696	8.748385
15.217534	15.937059	20.260517	15.304235	18.591263	16.096054
13.357884	14.0745	15.341999	10.431295	12.228553	12.392395
1.419154	3.685395	3.004213	2.065991	2.970622	1.948437
12.093063	19.411963	29.767538	20.046341	26.723753	13.813557
0.364691	0.544289	0.809557	0.339075	0.524093	0.086495
13.077443	11.028115	5.570574	3.286945	6.468613	20.714594
30.989789	23.546495	20.816896	18.71881	24.633232	14.898077
25.953758	19.537476	21.184507	16.90344	21.651474	19.326998
0.475399	0.128357	0.067231	0.087838	0.092694	0
9.644607	5.23099	5.583701	4.60585	6.173703	4.076014
32.389649	30.7109	28.891606	19.867471	24.860491	30.380325
18.103762	16.155802	14.073644	12.048398	13.615959	18.368361
2.030623	1.623243	1.517218	1.157519	1.442042	2.408337
4.867559	3.200707	5.905798	4.059081	4.603662	2.660342
3.536739	3.47611	4.557055	3.40618	3.740497	3.355096
42.13528	42.358239	42.410088	35.594763	38.489984	40.959592
17.754797	18.590801	20.762089	14.997941	18.251505	20.824205
23.806314	19.806348	27.90759	13.816021	20.125942	16.794963
14.668197	14.436589	18.526745	12.81626	13.373645	12.791031

31.138034	30.750004	31.121348	20.485633	23.125279	29.198882
17.022449	14.793363	17.197641	11.530108	15.478237	8.827819
31.561291	29.92705	35.168304	33.151592	29.210701	34.556622
26.052578	27.568954	31.014414	22.763182	25.381407	25.449316
0.05594	0.061083	0	0	0	0
5.247209	3.329592	3.821815	2.973454	2.416722	4.106936
0.484061	0	0	0.24379	0	0
15.306398	15.300571	16.122826	13.374942	13.205534	16.492462
30.088589	16.215366	19.895727	17.696871	16.891623	22.563581
8.492932	7.877889	11.484999	10.436541	9.766928	6.340678
11.285321	8.904647	9.360067	7.985606	8.640303	8.917501
6.543932	5.73898	8.218248	6.27221	6.054394	7.206964
0.610482	0	0	0	0	0
0	0	0	0	0	0
0.295836	0	0.130809	0	0	0
16.095436	17.943045	10.281167	8.057493	7.314569	12.038522
0	0	0	0	0	0
6.770337	5.530639	8.047344	5.714863	6.167815	7.486079
177.883987	160.147827	92.492882	91.386436	92.098045	173.747421
17.839209	14.370447	17.769028	12.338798	13.214352	7.124791
10.64659	7.592804	9.628049	7.402946	8.41121	10.906608
4.857531	4.102737	6.518161	4.363878	5.041055	3.65418
26.05723	23.870169	32.213615	20.502609	22.083847	30.04155
10.684672	11.609024	13.724623	12.57905	20.532866	8.192711
15.793287	14.210708	16.174134	10.957135	14.221573	13.948501
7.551483	6.184709	6.984563	4.947459	6.301848	6.501462
13.537196	13.184518	16.081381	9.960816	11.068836	9.938024
0	0	0	0	0	0
4.709967	3.442493	3.462438	2.048703	4.178495	3.62333
25.562776	25.481813	19.308369	16.721476	18.551265	17.946951
0.099228	0.095712	0	0	0	0.067475
111.258652	106.020851	64.160492	70.708282	64.056816	112.09832
32.012947	30.18532	22.711693	15.327917	21.490541	33.349873
5.556422	4.260902	4.070932	2.919251	3.379471	4.334163
38.438675	34.139446	30.672844	25.99338	29.834885	35.477219
42.641869	36.463558	30.47086	24.968142	29.297441	41.381191
0	0	0	0	0	0
13.534833	10.999173	10.501528	8.247205	8.358082	9.883073
30.890064	30.266596	33.005009	26.702333	28.989347	45.831299
0	2.477929	0	0	0.664591	26.076285
0	0	0	0	0	0
4.732172	4.043496	1.991167	3.784767	3.72688	380.002075
40.150208	40.206757	25.671518	27.590837	32.438004	39.641308
34.352647	26.851377	29.072267	20.805174	23.020216	32.384135
4.256135	4.181927	3.464184	0.405883	1.462296	3.811049
1.203891	1.927161	0.787548	0.310964	0.300952	3.859347
36.390324	35.591019	35.344234	32.45631	34.315201	37.406349
11.403781	7.281272	9.761435	7.975783	9.14517	10.344131
0	0	0	0	0	0

0.34292	0.602263	1.164194	0	0.7738	0.779185
1.014955	7.093203	0	1.355546	1.539232	10.854921
38.187759	34.348335	26.730831	23.206089	19.809116	37.797497
22.203632	18.445921	17.745569	15.134579	15.443149	20.086334
14.612983	17.632248	23.662344	13.374255	17.170645	18.483601
0.692544	3.994676	1.165151	1.245871	2.147781	1.253349
49.807598	44.592167	17.126295	19.47242	50.406681	21.246805
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
24.289306	18.757904	21.223419	23.588942	33.290104	17.915958
14.934533	18.178591	17.699541	13.503099	20.363543	18.625393
10.394514	12.423656	15.066926	12.267829	15.489424	13.93774
0.577092	0.959532	0.663451	0.405642	0.88173	2.335522
10.403589	7.777523	11.741748	6.755842	8.222105	6.880695
2.960584	1.727702	1.553412	1.379157	1.481209	1.833468
47.043125	39.493092	32.629925	22.617735	25.037279	37.235531
3.969393	4.756736	3.717099	2.536929	2.295811	10.305637
9.47613	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
23.694334	22.180656	24.232763	25.590971	20.195024	26.10181
29.771302	37.13703	48.072974	41.539215	53.96461	38.208914
5.26465	0	0	0	0	0
3.4371	1.263814	2.222517	2.251184	3.506889	0.115417
23.630154	24.134604	21.629065	22.727539	20.503355	30.33374
3.239899	2.831763	5.667956	3.405282	4.205935	3.142634
8.931213	9.228047	16.922708	10.2457	14.723845	11.577355
11.358727	10.984956	13.825313	10.631577	16.037848	11.341322
3.750503	0.155119	0	0.113517	0.05475	0
58.059673	56.471394	58.650799	45.682545	47.064365	53.709187
4.122786	5.208806	4.265832	4.172455	3.143622	4.264369
2.378742	1.738589	2.549271	0.488203	1.638648	0.925798
18.839697	17.221281	23.508825	15.286112	15.408028	20.284988
46.896694	66.474037	90.102425	52.185158	94.400314	45.527702
3.733288	2.03685	0.874791	0.480629	0.920479	2.473192
0.287006	0.205063	0	0.240107	0	0.129239
23.91796	19.107493	18.870629	17.517265	18.086758	21.958227
0	0.120559	0	0	0.131903	0
11.260761	8.659235	7.452756	5.102785	5.858764	11.680685
12.077828	15.732392	13.921709	9.597037	14.761419	12.214211
0.084436	0	0	0	0	0
10.9343	7.568202	11.80581	8.629112	10.040328	7.594383
9.06215	11.82029	10.831568	6.781868	9.072597	10.828887
8.842999	6.632052	9.865477	7.687539	8.609208	7.276435
6.489446	5.955737	13.607503	6.700085	8.646276	6.508661
25.986156	14.321829	12.454405	9.422783	11.143977	20.25099

22.926151	18.828423	29.475382	20.734259	23.822878	19.568607
1.355471	0.906086	0.557553	1.218366	2.07597	0.322066
0.240779	0	0.14775	0	0.080043	0.097374
0	0	0	0	0	0
4.719746	1.146694	0.900159	0	0	0
48.428215	69.421951	60.960167	50.432446	53.22691	64.382851
1.881607	2.808617	11.379063	5.073134	10.794543	2.546875
76.094421	78.844048	52.560341	40.901245	49.942581	86.543144
228.100952	167.307968	178.013046	309.11554	162.10643	251.365021
11.611579	8.62682	7.99623	5.662132	4.47884	5.905648
0.158481	0.152921	0.018561	0.085883	0.050717	0.158595
77.408569	63.753334	134.559525	205.762039	111.42614	74.415161
0.196867	0.177509	0.741136	0.238464	0.199115	0
9.032074	7.641434	19.129938	9.370486	11.140815	11.144346
27.124331	15.444636	8.22946	8.879224	18.333006	9.778659
83.35125	70.366882	70.609802	61.41283	57.496964	46.935524
102.351562	51.562767	46.018715	33.742306	34.08968	59.296856
29.928495	17.788401	18.536999	9.596048	9.978687	10.627042
41.38876	32.529922	52.645863	51.783779	38.551388	36.189823
99.716583	78.773163	112.626022	173.647903	149.821426	68.626694
37.294167	24.220957	29.933252	21.516535	19.837118	23.675123
63.093945	64.387909	79.465034	94.60862	71.356041	43.611271
41.734234	47.91267	27.05834	37.822247	46.053818	47.534248
11.910771	9.344575	10.485661	8.916053	9.166376	12.179903
10.704231	7.548954	11.955208	4.829481	7.684056	9.45535
0	0	0	0	0	0
3.0329	1.181992	8.45707	4.032253	4.205411	3.828387
20.829483	13.488066	19.493603	26.028856	11.009201	9.957907
0	0	0	0	0	0
0	0	0.120557	0	0	0
2.018985	3.930523	3.338015	4.021967	2.494448	0
0.809659	0.051947	1.222998	0	0.127705	0
0.815558	1.07546	0.577319	1.826999	0.553955	0.320312
0.7445	0.467575	0.477096	0.708707	0.716351	0.216404
0.53604	3.016099	3.452113	3.102694	0.526107	2.520073
0.352898	0	0.190416	0.145345	0	0
4.129812	6.538651	7.562337	3.043766	5.851982	4.021926
0	2.663617	0.721651	3.366025	0.120848	0
39.533638	17.595705	32.790848	20.866081	20.195377	20.261913
13.820927	11.461518	13.209138	14.495734	8.931939	11.043421
1.677881	1.739022	0.763186	4.839056	5.697492	1.723503
0	0	0	0	0	0
0	0	0	0	0	0
6.156938	0.884303	4.861433	0.926916	0.624971	3.6871
12.926966	6.257501	17.1628	8.3955	5.467114	3.448815
7.085494	3.535109	7.636819	21.974417	4.794825	4.562378
0	0	1.94355	2.801927	0.063154	0
5.611794	3.947467	10.783999	10.751187	5.522652	1.909224
3.421651	0.610827	2.868778	3.475327	0.600742	1.848427

63.520477	22.143541	66.814415	43.305759	28.059353	36.880974
0.610884	0.631327	1.275455	7.535226	1.070871	0.810291
9.701409	1.173418	6.781998	4.782718	10.286772	0.65008
55.314655	55.52644	69.417152	63.071075	70.499428	63.686512
26.308353	20.898502	29.873644	19.289347	18.969801	11.839293
1.204512	2.742096	0.150696	1.542801	0	0.317386
16.065945	8.413068	21.554556	14.030857	11.666183	13.105362
2.119033	2.418065	1.351943	21.825598	0.58776	3.782014
3.852683	0.92885	2.58657	0.238416	1.766399	2.81348
10.812293	3.289155	9.058972	25.130787	10.269821	8.049255
9.820259	6.399051	13.96115	30.498775	7.818578	7.836417
1.965105	0.527182	6.293478	2.397748	5.218991	3.136815
27.467497	20.240812	15.605567	7.451065	9.273846	10.270046
74.828766	69.323448	76.461182	65.630211	87.258553	46.364941
0	0	0.513611	0	0	0
0	0.633284	0	0	0	0
0	0	0	1.017415	0.994671	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
1.681407	0	0	0	0	0
14.925366	10.242768	23.053595	14.397956	10.685179	6.453519
4.284133	0.789931	0.969388	0.508707	1.232036	2.137204
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0.443339	0.967812	1.24427	0.303025	0
2.75379	1.318367	4.853623	9.346406	3.498498	1.535493
1.937807	2.263021	0.602205	1.632336	1.62103	0.568302
1.95353	2.359069	2.11302	15.716983	1.971339	1.592522
2.646232	1.689574	3.64975	2.468172	5.415433	5.582807
0.213358	0.109251	0.31085	0.160645	0.230345	0.18014
1.947931	0.519098	1.126972	0	1.834329	0
1.559156	0.151586	0	0.329384	0	0.124106
4.396587	1.380055	9.47365	1.825362	5.236651	6.182364
93.076607	48.059761	83.175789	171.991516	81.949852	59.574329
1.535532	0	0	1.438768	0	0
13.037231	7.670129	17.894672	13.917226	9.185358	8.075436
4.483753	3.437154	4.189572	4.739662	1.337741	9.704287
12.038567	9.281685	19.655169	4.285473	7.731308	13.828971
7.458541	4.090776	5.99886	5.292842	7.778552	9.695818
2.533627	2.444021	1.744431	2.567197	3.524017	5.67893
0.917842	0	1.082283	1.094201	4.935821	2.270039
1.872308	2.321011	2.642445	3.448864	0.970147	0
3.107916	1.00409	4.526781	1.673081	9.018353	3.779919
6.486085	11.485591	8.83814	7.029409	3.707411	4.863198
1.815766	0	0.275774	3.815305	0.497336	0
1.711606	4.808044	3.284775	0.633058	2.387211	0
0.334125	0.175318	0.10398	0.159642	0.067554	0.777596

11.007634	2.8875	3.824067	1.909609	4.927448	4.191243
12.455636	15.248209	14.648643	3.183523	7.572335	8.531582
7.045896	10.068481	9.805299	2.971496	6.678507	0
0	0	3.18322	0.857535	2.401421	0
10.409343	4.285708	6.581183	11.329515	7.283016	8.332541
3.752749	0.81781	5.796662	6.95732	6.626266	1.016836
1.598134	5.904224	6.65629	6.97842	7.230494	3.084924
9.539308	4.220487	10.622408	2.960443	7.531082	3.062129
3.224616	2.812153	2.834623	1.77585	5.118035	0
0	0	0	0	0	0
0	0	0	0	0	0
6.63188	10.183176	14.449914	5.069223	13.873046	9.910763
1.729855	0	0.469133	3.01716	1.47465	0
0	0	0	0	0	0
6.756338	3.855849	13.957232	1.377749	5.657192	9.740926
0.824502	0.736376	2.293443	0.183907	2.100375	2.039187
0.464498	0.069393	1.75423	0.872574	0.458193	0.235469
0	0	0	0	0	0
0.633407	0.624539	1.608682	0.731267	0.512877	0
4.729437	0.448944	3.113182	0	3.265837	0
2.936027	0	0.432587	3.740495	0	0.650775
1.760743	1.149788	1.686214	3.473597	0.64302	0
2.246887	0	1.647212	0.778023	0.863023	0
31.008961	11.05903	14.841657	27.509832	10.230904	8.44106
0	0.427778	0	0	0	0
9.477134	4.497268	1.411168	3.780932	1.572656	0
0.365968	1.062018	2.788382	5.087073	7.763961	2.220702
0	1.551649	4.07095	1.036825	0.959148	0
3.56864	2.042895	4.72532	11.00756	4.962774	5.207932
0	0	0	0	0	0
0	0.188267	0	0	0	0
0	0	1.541676	0	0.383488	0
18.377241	13.786922	27.20153	12.265498	18.677715	13.352639
3.2341	6.401924	3.147069	2.483688	3.335075	1.037173
11.213767	5.574655	21.956867	11.284052	13.163245	20.806314
0	0	0	0	0	0
21.191978	12.30458	12.619946	8.63281	10.159855	20.113743
0.095585	0	0	0	0	0.403078
8.859135	2.267876	7.499866	5.222143	8.870572	5.585796
13.273834	13.026811	22.53153	15.213765	17.200581	14.926643
57.084564	61.101425	63.430691	54.709263	53.52216	59.413048
119.628418	100.25779	85.743294	106.170143	106.400078	107.105873
14.204089	13.012769	10.514769	9.270398	8.305323	8.681416
28.571272	29.48048	20.937525	18.265409	18.024969	32.270786
22.554804	20.960539	17.094599	21.34182	19.006058	14.692026
109.181828	88.26586	112.765356	86.127877	83.223393	66.532186
45.469689	56.859818	42.679704	30.926251	32.403175	44.581405
65.155151	63.733818	39.230217	46.754677	40.123447	65.368446
179.668747	179.061081	139.408325	102.568726	104.914749	238.82518

68.77787	60.27364	51.563915	71.624336	58.130035	65.786545
88.079117	97.079819	69.706833	76.167282	71.03685	101.14325
181.313858	166.485062	99.075249	153.306274	103.206345	180.399506
228.548798	267.27533	198.372467	246.967041	210.922379	253.732956
194.686569	208.264038	135.544479	122.88649	119.68084	221.145676
188.112518	196.879822	159.642776	216.427032	175.369431	201.61557
113.786324	114.655754	86.291237	76.283417	71.677513	119.511002
435.483887	476.389099	491.647156	541.224915	526.563416	549.541565
2.348501	1.556811	1.446405	1.012023	0.752232	3.38507
14.7971	12.358398	18.131111	8.262946	16.358225	7.211987
0.175364	1.384708	0	0.106325	0.232382	0
5.665746	4.964436	6.846031	5.622578	6.309569	3.327176
0	0	0	0	0	0
0	0	0	0	0	0.266283
0	0	0	0	0	0
11.13281	8.118638	8.324611	6.841954	8.240606	7.485525
0.140743	0.416802	0.153421	0	0	0.073539
39.338917	36.500568	38.257282	28.957769	32.695908	45.663326
47.353836	38.302025	55.158691	35.92907	39.12421	53.895061
21.929256	15.247701	9.060719	13.118243	9.668819	20.825713
11.301171	9.166503	7.91719	4.186894	6.711871	6.215804
31.658616	29.414754	29.864396	31.020951	28.756167	25.471415
5.219737	4.304584	5.821049	4.73369	6.594871	5.143274
10.317202	10.256204	10.690202	7.874029	9.782743	11.467873
18.587715	20.71179	16.907938	10.136475	14.441128	17.051107
3.665895	3.39328	3.023795	3.761202	2.982517	3.245393
42.811375	37.966061	39.830807	27.355925	34.164215	37.821629
14.133958	14.004582	14.123037	9.872261	14.76059	11.230557
5.702832	4.785589	5.343742	2.429112	3.804388	5.457339
100.728607	57.796158	52.069092	43.524929	45.853199	61.818527
17.133961	15.195261	6.91653	5.044503	6.581893	18.125692
11.313977	13.171341	19.744955	11.508163	18.689348	11.777824
2.722849	2.201562	2.136252	2.387515	2.251011	1.784353
16.689896	10.622677	15.918304	8.227434	11.336714	9.837711
5.968356	8.446213	9.775727	7.122261	9.712158	9.78827
19.615729	13.569019	14.919875	9.546464	11.06442	3.812639
1.087566	0.243247	0.815212	0.740143	1.393478	0.252306
123.407692	114.90049	81.20668	77.206764	91.900543	108.491638
5.574857	4.12612	5.188167	3.451714	4.170255	3.561416
0	0	0	0	0	0
3.909833	2.425339	3.898909	1.821268	2.740246	1.131231
5.758284	5.705312	7.394095	3.614006	6.13257	4.35538
26.62598	21.322317	24.747892	16.609959	21.494049	23.101658
88.859705	53.499668	74.44969	82.054653	71.402524	67.315379
71.340675	57.143177	51.287411	46.846558	44.057209	58.983978
18.538716	18.560891	17.407154	12.9531	15.696459	24.598306
28.917103	16.806955	17.02507	10.365787	15.175591	14.431501
31.462494	38.427803	42.323257	28.411442	43.900547	47.715889
53.174561	44.683674	38.594261	32.215523	39.916203	41.553699

2.687884	3.21763	7.134317	5.461305	5.936365	10.820305
1.278197	0.062116	0.064532	0	0.129427	0.197855
22.38654	17.723776	11.869818	11.805577	14.25502	21.155352
17.503186	12.793861	5.864431	4.842464	7.02418	18.016645
58.09856	49.591492	48.839672	46.265099	67.500526	34.227718
4.143198	3.618498	6.140261	3.141988	3.976838	4.908194
23.389643	22.338186	22.904388	14.160792	17.718039	23.677238
7.545789	5.747078	5.548128	4.287879	4.951976	6.236824
5.952417	4.869813	5.414003	3.606752	4.101268	4.446019
277.593231	384.568726	276.805054	285.673157	271.95047	351.860901
21.304596	20.737682	12.710124	10.478119	13.183295	18.462797
29.054567	13.406495	7.002997	5.37165	11.674862	6.484739
6.274783	5.508016	5.799148	3.332526	5.735234	3.638988
0	0.065621	0.258861	0.038657	0.252575	0
0	0	0	0	0	0
0.129918	0	0	0	0	0
54.786638	22.841604	26.662034	23.086173	26.482248	41.168807
5.132467	4.188501	6.636858	2.600271	6.76754	6.145907
3.195375	2.998481	3.591648	1.977162	1.758362	1.494822
0	0	0	0	0	0
26.298194	19.396458	29.211817	10.253281	21.656972	13.315346
0.07335	0	0	0.031618	0.113068	0.05014
6.415545	8.373291	10.419479	6.924854	7.438563	8.730005
0	0	0	0	0	0
27.096909	40.908653	22.667593	18.332153	17.810808	46.214417
0.636146	0.663277	0.521361	0.276662	1.145591	0.044847
8.982518	7.28175	9.606091	3.25124	3.443635	11.328045
3.004332	2.518116	3.271701	2.161375	2.707103	2.638497
3.661028	3.269457	6.257561	4.055006	4.463768	3.456873
0	0	0	0	0	0
0	0	0	0	0	0
0.187396	0	0.045734	0.021091	0	1.394937
0.077438	0.697367	0.042427	0.039132	0.26499	2.904616
4.266286	4.477499	5.64473	4.597081	4.479548	4.156234
0	0	0	0	0	0
0	0	0	0	0.018232	0
0	0	0	0	0	0
0.854435	0.767544	0.469206	0.42329	0.64593	0.581157
6.758471	8.056795	8.754628	4.67896	6.062896	8.524852
3.295943	1.804783	1.839535	0.491275	1.137068	4.780829
0	0	0	0	0	0
0	0	0	0	0	0
0.937227	0.415786	0.766955	0.093469	0.591554	0.316765
12.394897	5.300488	4.002669	1.155667	2.944693	5.041723
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0	0.021943	0.017828	0	0.048896	0
0	0	0	0	0	0
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58.049484	61.835705	72.407135	91.419159	94.363747	53.415512
0.510906	0.471909	0.34899	0.155714	0.415995	0.084886
0	0	0	0	0	0
0.342939	0.201711	0.025341	0.026294	0.059982	0.202368
1.116782	0.358637	0.353513	0.158873	0.290543	0.36499
0.404502	0.108652	0.09171	0	0.14925	0.103522
36.576996	62.236511	71.403877	64.599564	65.98333	42.490818
7.412722	7.750015	10.565765	7.863816	9.460828	7.143111
20.390467	8.665219	4.56275	2.399934	4.129807	9.365178
18.971766	6.719273	5.062714	2.533181	3.579073	9.288377
10.35956	6.226581	5.303034	4.841572	6.210798	5.249244
6.464485	6.132707	7.938993	4.383642	5.64058	7.163744
10.488457	9.214345	12.667201	8.942138	13.167985	10.538337
5.127349	6.105183	7.728329	6.939544	6.980446	6.851072
0.555673	0.723316	1.373594	0.681198	1.061852	0.708998
0	0	0	0	0	0.271369
3.27118	1.798938	0.874415	0.694253	1.988891	1.714382
0.218815	0.604192	0.048296	0.092208	0.382365	0.203741
0.095011	0	0	0	0	0
0	0	0	0	0	0
2.315515	4.406291	2.712444	2.266327	3.128169	2.001192
0.129157	0	0	0	0	0
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11.482805	7.891462	26.874331	8.941356	16.832624	5.614978
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1.705141	1.05221	1.655758	0.193056	0.88627	0.773073
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0.019336	0	0.068727	0.057975	0.056932	0.074925
1.311132	1.023386	1.705804	1.627728	2.037915	0
9.177272	6.35142	11.726724	6.604409	6.693934	11.171724
0	0	0	0	0	0
0	0	0.46636	0	0	0
55.319492	53.350121	37.280403	44.697884	44.464626	49.812874
0	0.081541	0.354921	0	0.192021	0
17.418192	14.948408	23.16289	14.127539	18.024485	12.792515
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1682.715332	297.792171	229.609936	445.582748	795.982437	164.937786
16.559156	13.053236	11.221185	5.950374	20.349895	17.939493
5.102052	3.95716	8.03625	5.592351	4.01478	4.189919
1.454945	1.051304	2.088887	0.850781	1.379529	0.437917
2.133141	2.453724	2.45664	1.860094	2.587067	1.73805
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6.008974	4.418895	6.560637	3.393758	4.330985	8.109553
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0	0.255767	0	0	0	0
4.48764	3.075654	6.319768	3.975541	7.973335	6.327124
0	0	0	0	0	0
1.73266	1.426423	1.788928	0.887459	1.751123	2.109499
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0	0	0	0	0	0
0	0	0.637439	0	0	0
0	0	0	0	0	0
0.528036	0	0.40397	0	0	0
9.10643	7.703638	6.248253	5.932114	5.548216	13.570678
5.325028	5.354306	5.080421	2.634033	3.874775	5.174611
5.825056	2.800301	4.332362	3.501692	3.999083	2.827338
2.847547	4.080377	5.9565	4.601689	3.387887	4.193343
0.124155	0	0.104059	0	0.141691	0
0	0	0.398124	0.201589	0	0
0	0	0	0	0	0
0	0	0.102614	0	0.274392	0
14.211947	15.521773	20.140169	12.704826	17.506311	15.621765
1.041795	0.313582	0.09819	0.05822	0.094357	0.653464
20.10881	17.013578	14.135208	8.683093	9.324213	20.126839
15.785642	14.389717	13.96734	10.414339	9.222424	17.407983
123.543793	129.494263	110.900261	117.191284	120.240028	139.645111
54.698078	61.236744	42.358627	37.575848	46.137196	55.072964
32.849533	31.446594	25.831081	25.661026	27.191046	32.171139
0.250029	0.14101	0	0	0	0.757909
8.095897	6.868652	6.048131	3.847935	5.718369	9.245374
2.404493	1.940154	2.83318	3.673649	2.786488	2.212904
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13.479806	12.873554	11.543806	12.069833	12.955266	7.188696
10.604956	8.700397	11.117196	7.135831	8.985842	10.074595
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0.430082	0	0.306627	0	0	0
1.206104	0	0.295064	0	0	0

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11.826576	11.383131	11.91123	6.794747	7.955612	10.012565
0	0.034663	0	0	0	0
10.623985	7.606999	1.690545	2.132255	4.426851	5.244398
0.268353	0.12642	0	0	0.4901	0.502994
3.851964	3.748261	6.137242	3.430639	4.946627	3.051616
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3.406997	2.901192	5.303906	3.334762	4.154001	3.059901
11.485325	9.37929	17.072635	11.34643	15.628523	12.781897
24.055515	25.519548	30.29236	27.560209	28.571096	22.985783
29.625011	30.307199	36.159962	23.651909	26.059959	33.037342
27.685016	24.006829	47.870634	25.098465	38.689421	33.276992
9.287905	8.708525	8.371786	3.491921	8.290491	3.837172
0	0	0	0	0	0
86.601387	56.95459	41.607613	17.180412	27.598581	59.486362
0.300106	0.205223	0.039595	0	0.246228	0.090836
0.990217	0	0	0	0	0
2.053043	2.678615	4.449646	2.78301	3.986445	1.695338
6.316229	6.636496	8.903777	7.421762	9.585436	5.223814
14.64544	14.717309	13.461902	11.505515	12.079667	5.89492
0	0	0	0	0	0
0.344542	0.648699	0.211159	0	0.501143	0.842339
0	0	0	0	0	0
0.489009	0.234085	0.52707	0.383236	0.411827	0.359633
0	0	0	0	0	261.611694
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0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
2.848493	8.005077	6.607548	5.67398	3.573867	7.072243
0	1.983269	0	0	0	235.111893
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
7.438722	10.9181	4.427585	3.589585	3.318195	29.716169
4.898214	42.377486	4.08503	6.016874	11.910113	140.588225
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
7.510712	5.223824	5.202481	5.709471	6.24353	2.464651
3.442605	2.684885	4.473536	1.489272	1.997263	4.252435

2.513499	2.34153	1.750759	0.566346	1.087748	1.648158
0	0	0	0	0	0
21.239124	21.083693	24.758864	14.198471	20.867005	20.668768
6.1057	8.36856	11.052179	5.084916	6.640823	9.675738
0.12276	0.27325	0	0	0	0
0.088589	0.071904	0.385698	0	0	0
0	0	0	0	0	0
0.134092	0.108976	0.265607	0.038981	0.311904	0.062698
0	0	0	0	0	0
20.39212	4.750615	7.484572	2.836254	10.921702	8.301177
5.035078	8.933949	1.589471	0.913718	1.885296	2.44897
64.421463	63.083832	62.018345	49.595787	55.892616	60.581795
4.004946	3.378642	4.7191	4.31944	3.155101	4.589214
2303.553246	3323.068105	2576.287909	2911.738468	4149.548926	4743.596073
0.611565	11.219103	0	2.189195	2.546129	0
15.971332	15.119688	13.792471	9.613951	13.164505	17.482798
8.592607	6.701394	8.535378	3.589499	5.974267	7.290697
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24.00461	26.607357	25.194824	18.987043	27.55278	23.53392
33.114048	41.023335	25.228151	15.905192	19.777	37.43692
11.820729	10.342826	12.156526	8.667135	15.47862	12.32815
4.393832	6.04601	9.703302	6.512588	9.156377	5.737498
6.892365	5.91928	12.048707	8.278358	9.168411	6.093248
0.380204	0.762924	0.436904	0.096712	0.448484	0
0.574717	0.714937	0	0.749538	2.545855	0
0	0	0	0	0	0
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0	0.730987	0	0	0.437796	542.80304
0	0.199517	0	0	0.306713	4.714315
0	0	0	0	0.108085	0
0	0	0	0.589691	3.42798	0
0	0	0	0	0	0
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0	0	0.28648	1.829847	2.276958	0
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0.594748	1.221117	0	0	4.546846	0
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3.986272	2.981689	6.542118	2.64749	4.424717	5.208874
4.431267	4.505493	2.550457	1.593496	3.514862	2.725855
17.484573	15.925825	17.697109	12.956313	16.024359	12.429509
0.209406	0.02999	0	0.087789	0.068661	0.071595
3.891518	4.876007	3.776723	3.064214	4.834666	3.949392
19.388641	20.151402	22.096325	14.343793	18.529165	18.545261
7.299043	7.871466	6.209591	4.777193	5.829103	10.2412
12.461848	10.857947	9.874777	10.551011	10.798364	16.953583
16.465425	20.907091	25.302345	17.31204	27.488293	19.742849

15.1667	13.238335	9.897281	7.698768	13.184718	13.660735
11.825524	10.095647	13.809649	5.318452	8.872677	14.80408
1.248651	0.527895	0.710028	0.443524	0.782991	0.766727
0	0	0	0	0	0
0	0	0	0.027236	0	0
27.84969	27.383446	38.712587	18.726621	28.211356	29.208343
0.920003	0.131585	0.435974	0.087803	0.199145	0.044637
40.794017	45.596502	57.587548	36.865269	50.196895	48.403625
0.246448	1.30518	0.490631	0.163148	0.417377	0.054043
0.086765	0.093785	0.044105	0.034241	0.067852	0.094731
20.431087	20.21381	18.602121	13.238267	14.386351	23.066315
30.410002	22.630442	23.654955	17.87373	24.944414	29.093519
0	0	0	0	0	0
82.395348	88.735947	89.634232	76.92981	78.001221	100.035461
0	0.291916	0	0	0	0
4.682894	4.228286	3.529232	3.759286	5.261756	4.025115
1.523475	0.726227	0.988669	0.397428	0.678656	1.100646
0.094951	0.040706	0	0	0	0
12.37826	13.862621	20.109158	9.533633	12.227433	13.68253
18.663574	18.801441	9.709544	8.757468	10.365741	16.543159
156.736427	225.736213	243.839329	239.441909	271.551605	206.893479
28.542836	57.345728	30.541501	59.977995	36.547344	31.409009
4.553066	6.124558	7.023983	5.709431	6.698392	7.204581
24.710094	24.922701	25.180142	16.11978	22.998909	29.26065
11.3407	10.911331	17.829878	10.234415	13.743981	11.459528
0.065478	0.079719	0.015838	0.07669	0.059903	0
2.878655	4.080844	4.218119	2.656349	2.598796	4.52036
0	0	0	0	0	0
19.914394	12.031819	13.970613	8.711576	9.773623	16.827595
18.56061	24.205042	24.302498	15.781186	24.49391	24.370127
18.032328	21.202881	31.94433	17.870989	25.249191	21.772158
27.73358	16.581087	24.065853	19.795637	24.115942	13.240573
16.731544	13.983597	12.064351	14.558432	11.330885	14.978383
16.569288	14.29786	13.902121	10.515687	13.594406	17.274727
16.311501	18.301497	25.329998	24.534985	19.07892	20.648932
1.540302	0.491316	0.631042	0.263924	0.636759	0.491748
7.950297	6.387455	10.46432	5.451752	7.864582	5.286705
3.100051	3.853844	6.743631	4.267718	6.27785	3.670918
149.582291	145.342758	212.395828	249.657059	336.570007	103.836693
54.936302	53.323082	50.633282	38.562092	41.786758	48.118683
9.467995	1.102504	2.021853	0.926873	1.29748	1.468335
79.560081	77.948608	44.741291	30.496387	33.361183	77.82415
0	0.153179	0	0	0	0
299.565155	282.067505	215.466339	240.135605	228.533905	303.242615
122.939323	107.101784	80.365257	70.287544	73.153748	93.345154
10.480958	9.819069	9.280627	9.173312	8.759747	1.471815
13.854417	12.852607	11.595687	12.172637	11.586882	12.113397
14.632113	14.031056	14.552683	14.296993	13.474656	0
38.332413	41.503326	42.475315	31.494938	38.077869	40.19817

30.174267	23.328489	26.622404	23.67556	23.712631	24.545267
70.680168	66.598389	40.083927	44.86813	45.715103	53.127876
30.871019	27.759354	39.105824	27.471018	29.675776	30.25017
11.466194	11.18773	15.944274	12.706459	14.067966	10.171997
0.541574	0	0	0	0	0
49.027779	52.128323	45.105877	40.035473	49.897751	52.668163
27.543287	27.114016	18.103046	14.32119	18.30298	25.923077
9.250627	5.121202	2.426273	2.161592	3.268321	2.816724
13.152772	6.097464	4.301429	3.109502	5.641781	4.184175
3.561545	4.128227	6.568715	3.169755	5.344397	2.699184
7.22727	7.030231	7.181515	3.989073	5.148604	5.407685
46.920315	41.488818	59.145544	42.783225	55.004736	37.244751
56.898308	45.390236	107.258545	56.27737	78.960449	46.79768
0.057993	0	0.042082	0	0.056918	0
0.759919	0.600632	1.05308	0.752955	0.751439	0.384621
0	0	0	0	0.080273	0
48.963249	45.364808	56.232749	30.847461	41.699538	43.190324
18.922508	38.669793	18.614043	12.206064	17.19216	15.432367
34.521682	31.624895	30.234617	23.780652	24.732261	22.020149
86.78497	62.327284	77.72847	76.809106	86.795536	52.205777
0.048466	0	0	0	0	0
136.131241	106.236092	139.44574	86.610428	99.596489	105.224083
80.695091	66.777533	69.224108	54.517414	52.470306	90.78793
21.6693	33.825283	34.385742	24.436256	25.8248	27.988453
238.569782	172.05608	373.567612	187.8783	215.503052	188.352684
71.636047	50.52684	70.399689	43.310989	48.286713	59.085903
77.157259	59.233257	52.927029	39.201968	51.41982	51.434101
127.39572	132.929524	77.293461	61.221222	85.071735	114.684287
14.5734	13.278278	10.103477	6.936654	9.695921	21.677275
0	0	0	0	0	0
26.553627	25.319119	23.984303	17.977112	23.905958	22.538496
2.431215	1.566218	3.168487	2.538568	2.617699	1.624247
114.136456	84.770349	68.739525	70.643472	66.709254	95.781886
43.771977	37.93915	42.233	34.983832	35.343163	52.289382
2.319576	2.223448	3.38159	2.410017	3.61988	1.502883
28.371719	33.648586	31.269836	21.172738	29.228877	28.364326
58.301243	58.52422	63.948669	34.690041	48.336296	58.759529
0.272425	0.427648	0.438431	0.111677	0.190393	0.237844
14.17021	8.57158	6.422122	3.304449	8.308612	7.107569
8.711537	7.89692	12.902305	7.01243	10.046706	9.978962
4.651302	4.173124	6.720059	3.832336	7.196821	2.820368
11.184426	7.738939	4.10387	4.940182	6.41492	6.697639
14.459234	9.867239	12.556501	5.451581	9.363478	10.136391
0.226892	0	0	0	0	0
53.577995	58.46529	53.193752	38.292	41.854477	61.386864
6.266262	10.134651	15.290195	9.804155	13.214144	8.67644
0.038434	0.019122	0	0	0	0
23.052034	20.372185	14.595101	10.821918	13.166406	21.170019
252.394653	281.123627	212.617523	185.410263	245.523163	315.380005

193.909134	186.407501	161.84848	174.743866	176.328827	201.952606
226.490517	248.70153	272.929337	227.445633	264.478882	233.599655
85.144171	81.01572	74.208497	61.801857	62.010228	85.265996
56.693966	56.171394	42.37085	33.3265	34.604904	67.576523
0	0	0	0	0	3.963997
0	0	0	0	0	0
0.162159	0.286311	0	0	0	0
0.077402	0	0	0	0	0
0.054762	0.036935	0.15365	0.103354	0.268733	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
60.178093	52.071651	44.098251	32.155136	44.1124	69.42672
4.450201	3.457422	2.835545	1.633143	2.903479	3.412221
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
105.388901	130.488312	113.130585	110.519005	112.762718	115.994751
0.374558	1.155753	0.272012	0.243906	0.259501	12.542636
0.114976	0	0.018703	0	0	0
8.820407	8.688793	9.338547	4.847319	9.77001	5.050507
12.575632	13.776136	12.774858	7.777304	13.30968	11.505347
8.945892	14.479609	6.303084	4.923379	7.637987	6.830642
59.493362	68.922798	43.493191	36.156071	45.929176	135.552521
17.512182	26.331434	24.593924	18.776593	31.163937	22.278313
5.907752	2.974009	4.003831	4.122029	4.023017	7.073783
7.122005	5.422015	3.039848	2.052031	4.485622	4.500027
14.856001	21.165676	24.663008	18.102536	25.323341	14.850931
0	0	0	0	0	0
0	0	0	0	0	0
1.44517	1.08657	0.793469	0.075068	0.9159	1.837284
0.136431	0.100424	0.141968	0.152416	0.207383	0.053394
14.158261	14.244	20.804958	10.265456	14.019766	17.412048
0	0	0	0	0	0
15.330833	11.5312	21.01662	4.600187	18.550983	17.118748
11.445619	10.716945	11.717915	6.704531	6.928396	9.973881
3.162808	3.442088	3.684978	2.95974	3.127216	3.728983
0.042025	0.034873	0	0.025337	0.040694	0
0.026019	0	0	0	0	0
0	0.072088	0	0	0.035795	0
0	0	0	0	0	0
2.049187	1.991412	2.047546	2.910338	1.330612	1.173728

0.216377	0	0	0	0	0
0.168427	0	0	0	0.04723	0
46.148899	12.32301	36.851353	11.016376	20.844965	23.311422
0.065629	0.509676	0.103984	0.18895	1.02537	0
0.120083	0.155473	0.131582	0.060681	0.118648	0.596323
4.155514	1.890885	2.698187	1.657095	3.469442	2.525409
4.876452	0.445627	0.847483	0.328742	0.926325	0.390919
7.048309	5.418701	7.077886	4.85515	6.471589	5.378342
9.01917	7.517048	10.24166	10.110209	10.393448	8.743895
0	0	0.116711	0	0	0
9.463287	8.927462	11.342037	11.189468	10.996439	9.042541
8.850699	6.550641	9.182752	7.545989	8.137057	8.849837
8.007059	6.185593	8.10335	6.098826	7.350515	6.474998
17.326012	13.332357	9.730818	7.904766	8.74521	13.685647
0.567532	0.162923	0	0	0	0.773558
0.200727	0	0	0	0.197008	0
5.036561	8.15986	3.613756	3.183463	5.06152	21.622355
12.04633	1.158271	1.899736	1.29443	1.704236	2.206699
17.722698	74.251274	7.447894	16.146149	21.418644	17.216732
2.87197	2.776078	3.964196	2.284125	2.556805	3.197612
24.286818	21.831131	20.748589	12.441958	18.104639	22.032413
60.691383	57.713017	59.078934	58.538017	58.552116	63.98521
1.709455	2.710402	4.534581	2.012333	2.609803	5.417621
7.873155	5.612351	4.26955	2.772694	4.481777	4.705272
0.835504	1.011796	2.636949	1.717421	1.037263	0.242817
15.092551	14.278161	16.483942	10.880919	11.964765	15.766047
9.976442	2.227927	4.176049	1.008942	1.766277	3.254391
21.43098	8.832801	4.253488	3.233559	5.803999	3.819182
14.582482	6.751232	5.267515	2.33804	5.017811	8.511844
40.076895	31.613689	33.194106	31.251632	40.233256	28.688768
0.408092	0.390871	0.055339	0	0.220891	0
4.30211	2.8156	3.541178	1.499417	2.850086	2.488717
7.078534	5.803531	6.191788	3.682631	5.704359	1.924805
25.406311	23.782085	32.140179	18.923208	26.768677	24.578588
26.327267	27.715748	27.079178	18.61005	13.542397	25.565965
2.014009	1.619987	2.954921	2.264363	2.504984	2.149641
10.097748	13.168243	9.466806	10.328423	9.183044	5.951291
3.600282	3.030559	1.25441	1.682009	3.016965	1.046317
5.757304	9.698701	7.383095	4.65582	8.544379	4.331396
33.635563	21.481565	19.456585	15.938937	15.339694	33.026905
6.373327	5.759323	7.968397	4.57839	6.086661	3.865731
20.085197	15.624065	17.644999	10.732892	14.536273	13.130924
4.150599	20.80242	3.520774	4.710889	13.222157	0.873339
0	0	0	0	0	0
0	0	0	0	0	0
1.833514	0	1.843822	1.282827	4.669428	0
0	0	0	0.933453	0	0
1.791752	1.010279	2.769296	1.508991	1.367603	1.75089
8.513942	6.697286	5.557852	2.896273	5.085546	4.079769

8.73353	7.785097	7.080034	3.595347	6.209908	8.487495
109.165619	141.051361	74.807968	70.523727	70.171242	124.53154
0	0	0	0	0	0
12.420592	13.159236	10.641736	5.464345	7.542874	11.076466
43.438253	42.533269	42.864553	29.132432	37.910882	33.329917
9.715306	7.377762	10.649975	6.544091	7.562385	7.031589
20.450625	20.351102	17.94118	13.382815	15.517102	25.994798
27.63957	24.540337	17.106741	20.404158	20.0063	26.764208
24.42482	23.731371	23.900414	17.066231	18.985947	18.509075
21.404125	23.731682	28.738495	19.79294	22.441547	24.092176
47.358444	45.098827	54.166866	42.227734	55.604107	53.92123
0.376945	0	0.136579	0	0.111236	0
5.445401	5.947844	5.543396	3.962009	5.892854	4.64014
0	0	0	0	0	0
0.100403	0.138243	0.058597	0	0	0.150509
0.087793	0.189445	0.176367	0	0	0
0.273905	0.533773	0.495879	0.314592	0.714906	0.901766
0	0	0	0	0	0
5.882616	5.612425	7.781814	3.827052	4.952503	5.987119
0.833183	0.756497	1.372789	0.574938	0.930321	0.404512
32.965504	25.907167	42.834103	23.674541	32.841389	23.817673
4.971624	4.835133	4.20317	3.514932	4.564924	4.815279
6.753507	5.872332	6.280745	5.670668	5.079041	5.566725
8.937177	7.652189	8.871679	4.711205	6.251577	8.040871
13.475689	13.130373	8.97515	4.718137	7.771043	9.180273
0	0.075061	0	0	0	0
78.003052	81.342888	65.526917	50.134224	52.380383	101.12915
0.025535	0	0.018779	0.077943	0.076201	0
2.133356	0.369201	0.366927	0	0.352628	0.543644
0	0	0	0	0	0
1.559003	0.369575	0.422615	0.123873	0	0
0.167297	0	0	0	0	0
30.81632	31.734848	29.413548	20.85808	25.005949	29.536837
7.46727	6.502485	15.648594	7.609524	12.724618	7.019912
60.500656	74.898636	61.017799	66.166122	60.788033	81.803543
0	0	0	0	0	0
4.450731	3.701674	9.656067	3.755223	6.11862	5.734127
0.619821	0.52095	0.166906	0.14558	0.19788	0.926392
0.049006	0	0.034375	0	0	0
0.652098	0.041226	0.109041	0.014505	0.055523	0.172123
0.063447	0	0	0	0	0
0	0	0	0	0	0
49.499741	51.535648	36.748478	27.052668	30.920826	42.555622
3.844396	11.223426	3.063678	5.268264	15.051699	1.395142
0.435094	3.889322	0.186828	0.827427	1.738561	0.230138
0	0	0	0	0	0
3.949953	4.207745	6.881827	3.700832	13.358715	9.415174
4.342924	4.236612	5.523257	3.048655	4.131513	3.938601
69.166862	69.151093	52.028805	49.405407	48.154278	76.989807

0.503484	0.744061	0.75494	0.635604	0.519726	0.529753
0.078865	0	0	0	0	0.057918
22.640053	19.635502	25.912687	17.903788	21.813652	21.161835
0.099099	0.109243	0.090675	0	0.080959	0.231556
3.3231	2.669602	4.464713	2.841121	4.016068	2.317282
20.307607	6.238837	16.829521	16.866772	16.548996	7.66186
20.270398	18.759668	25.840039	15.420137	20.43432	18.031559
58.566902	51.804062	42.270081	45.349079	49.623108	57.999893
31.326195	31.974197	30.333576	23.254187	29.817865	30.492678
77.962578	82.376198	68.569778	58.866356	66.788101	72.826828
3.164664	2.963987	4.426112	2.703197	4.671671	3.562313
27.184942	19.006208	23.007166	14.728391	19.427383	22.533773
9.049294	20.207454	27.758977	15.336596	20.033514	13.099052
4.541053	3.061316	6.43667	2.61115	4.264729	3.276001
10.753927	9.640464	8.017015	6.73037	7.571484	6.701627
0.377058	0.219425	0.212119	0.254092	0.308516	0
8.230898	8.118029	11.708076	9.398695	11.920686	7.06228
0	0	0	0	0.093527	0
13.956997	11.93375	15.236845	6.608924	10.0969	6.33502
11.950457	10.769865	6.587927	7.001783	8.280537	12.245482
74.233772	68.280251	77.31691	58.429787	65.700294	51.705635
36.689797	33.591671	41.940941	28.219751	42.145002	35.455817
18.758524	17.321583	16.040428	12.857738	14.677567	17.362417
38.963127	32.843925	26.507401	25.101652	29.435104	32.390198
7.66311	6.191505	5.940072	7.687752	7.339819	6.371806
5.635844	11.644955	16.741831	12.540109	15.735452	10.70237
26.587992	23.643856	28.365723	15.695772	20.15764	27.785845
17.691059	13.312454	16.275475	13.290243	12.608918	13.547053
0	1.344373	1.115389	0.815851	0.629695	0
1.125625	1.137498	2.076851	1.064492	1.50928	0.847623
2.389886	1.901405	3.313019	1.771761	3.17357	1.366838
0	0.01023	0	0	0	0
0.351017	0.645113	0.178196	0.211011	0.137989	0.143725
1.668683	1.654582	3.544885	1.528765	2.157182	3.607138
2.132852	1.857824	2.660506	2.081162	1.991371	2.062151
0	0	0	0	0	0
30.166107	29.567432	19.980402	19.657759	20.653879	28.068312
25.891075	20.838501	17.017057	15.023515	15.657577	25.931284
52.003052	53.594234	44.960155	33.064873	36.056469	71.203308
15.080761	15.043101	16.277002	16.040003	12.849466	17.282972
0	0.497792	0	0	0	0
7.028835	6.078195	6.095846	6.038453	8.246491	5.758272
48.429893	52.904571	44.640918	36.412783	46.958321	46.714495
7.774092	6.927168	8.49272	4.783525	7.343183	6.513851
0.396797	0.515608	0.968728	0.883451	0.34502	1.171933
15.774734	15.008595	23.56809	16.219688	17.262785	15.494854
6.899281	7.112678	12.113578	6.864896	8.036469	5.921343
33.891644	26.0352	26.791311	34.665104	29.147284	25.850996
24.416235	10.893187	6.699703	2.677395	10.326689	3.792726

25.071598	19.784208	33.462761	10.61225	20.894919	28.109841
5.562058	6.131303	7.289292	3.423934	6.273715	2.030941
0	0	0	0	0	11.157707
0	0	0	0	0	0
0	0	0	0	0	0
0.190498	1.377792	0.391659	0.335313	0.640678	6.318928
0	0.562042	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
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0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
2.930702	7.151551	0	0.247838	0.104239	0.144924
0	0.440581	0	0	0	22.235304
0	0	0	0	0	0
0	0	0	0.095636	0	0
1.038958	1.564026	0.521752	0	0	0
0.13775	0.126121	0.107097	0.144216	0.108641	0.223211
37.254349	34.073936	29.74246	22.261856	32.326248	36.679337
18.421774	18.128077	16.53266	10.121278	12.928193	16.218302
83.923859	70.37973	72.595734	69.687737	72.470177	85.72702
49.343452	49.7421	41.986675	40.792309	41.825451	53.347065
12.988697	12.335069	52.756768	39.050473	12.358267	58.036024
15.972945	22.922722	41.957773	26.477272	32.692299	23.047225
17.509634	23.803266	39.065865	27.294275	33.551928	25.58336
0	0	0	0	0	0
0	0	0	0	0	0
3.794939	5.417734	3.021109	0.865387	2.319205	3.442231
26.315866	22.899296	21.037668	14.891368	16.107124	25.045551
6.102913	6.338709	19.0196	11.191948	11.421254	6.078701
8.223734	11.096209	11.165346	11.632691	8.591635	7.529003
68.951447	76.455879	103.266571	88.583336	95.683624	107.334679
35.313709	29.98443	43.398403	29.795382	35.743576	31.142456
18.397699	18.061239	20.140469	14.747012	18.715248	18.758192
5.271213	5.660825	6.377381	3.079227	5.172513	5.168946
8.117147	7.667979	8.293992	5.665348	6.979346	9.47666
21.535954	24.248566	26.163114	15.04783	23.565396	28.443172
26.226751	25.416267	31.51589	20.872252	23.253738	27.187628
113.913338	112.086319	76.875938	60.150482	83.489128	131.191605
9.866779	7.453017	8.929342	6.249294	6.793124	9.233046
1.753803	1.295644	0.504102	0.53489	0.299582	1.009578
1.410822	0.859313	0.87841	0.30163	0.850455	8.16913
8.141523	3.663249	5.076428	1.844499	2.845415	4.732856
0	0.887712	0.351979	0.337471	0	0
0.077958	0	0	0	0	0
24.460969	20.98637	18.088664	12.399968	24.143091	17.969462
6.417146	7.111021	21.377093	5.324669	7.626864	22.854832

3.260977	1.204354	1.735098	1.3991	1.219837	1.67112
9.620433	5.936958	11.742686	7.783002	9.529875	7.091533
29.758902	25.275282	29.266514	18.721792	24.192035	20.042364
14.251231	10.432257	12.585451	8.919282	11.287427	10.861217
0.304347	0.125665	0.334715	0	0.293551	0.343165
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1.287813	0.376605	0.371612	0.033838	0.664899	0.48429
12.511012	10.232777	11.150157	5.910103	8.733423	9.124494
0.930403	1.53558	1.402609	0.323527	0.456581	3.661314
0.095429	0	0	0	0	0
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17.494648	15.028608	23.481688	17.4196	21.294098	14.25007
178.639819	332.685253	278.589849	269.638305	280.507166	354.03778
2.84134	3.132314	2.539622	0.963402	1.431388	2.808495
7.845364	5.505314	6.27213	6.120587	7.105844	4.812807
16.518898	12.915673	17.202456	12.939528	17.4935	17.668062
0.257599	0.441457	0.441011	0.30617	0.461921	0.256671
0.103979	0	0	0	0	0
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10.915666	7.696306	6.753799	10.632609	9.514683	11.455831
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0.171317	0	0.128165	0	0.151935	0
0.012208	0	0	0	0.045372	0
0.052749	0	0	0	0	0
0	0.111716	0	0	0	0
15.551908	11.532797	13.791833	7.852243	11.879786	10.093298
1.141908	0.603958	0.725784	0.514632	0.93379	1.499355
45.278854	40.865288	38.906902	35.090439	41.305363	44.539906
25.448267	20.83769	20.744857	10.018443	13.256886	14.967276
18.953943	23.519453	28.872517	18.146196	24.582449	24.550453
2.095627	1.596727	1.243763	0.839099	1.195524	2.423937
0.038878	0.289939	0.108883	0.059336	0.135356	0.279949
0.22167	0.277965	0.119369	0.20582	0.100345	0.058913
0.361897	0.201002	0.474556	0.0523	0.151348	0.194307
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0.915181	0.496284	0.297334	0.182216	0.339691	1.085243

22.832644	19.588928	17.334916	15.322321	18.707748	26.421065
0.184937	0	0.107	0	0	0.831421
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2.485247	0.597493	4.193859	1.662833	3.460026	1.765445
1.301678	1.777202	3.84544	2.079864	2.586309	1.637449
3.103352	4.774006	12.82164	6.467327	7.889995	5.837522
0.380979	0.848622	1.551913	0	0.431796	0
1.490804	1.678531	1.922819	0.692186	2.263873	0.306279
25.095851	10.046187	14.348294	8.556113	13.179427	20.008965
116.868027	106.153236	73.695358	52.073063	64.956459	100.396172
0.310399	0	0.298814	0	0	0
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4.641117	2.490071	3.211579	2.007621	2.406865	1.29985
9.700851	11.170821	22.361782	10.936622	15.041138	13.21762
9.082392	7.847001	6.13971	5.109243	5.304774	6.44937
15.281101	15.931428	21.995541	7.60956	22.772505	12.550845
6.504612	0.715376	0.870955	0.717675	0.920347	6.086673
33.260116	32.555212	42.398962	21.466403	35.307434	22.638568
1.763887	0.183041	0.084535	0.031884	0.207712	1.43255
2.651095	0	0	0	0	0
0.427961	0.098109	0	0	0.222744	0.214695
2.983693	3.058221	3.759469	2.467695	2.495912	1.934305
1.031009	1.377428	0.725969	0.209057	0.472088	1.063081
12.022354	10.133836	10.460649	7.970225	10.010606	10.763299
5.867838	0	0	0	0	0.031942
23.649073	23.370697	21.591782	16.095144	22.034937	27.465731
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4.24988	4.086814	3.844855	2.374041	3.303483	3.40183
1.756746	3.052813	1.613597	1.151133	1.514081	5.839623
0.321516	0.538357	0.073128	0.182543	0.271804	0.152078
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0.689836	0.23647	0.199927	0	0	0.546483
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0.698823	1.500537	1.05557	1.279078	1.416302	0.731858
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0.334706	0	0.154557	0.060687	0.179184	0
0.099501	0	0	0.039122	0.11474	0.152612
0.347469	0.260677	1.464071	0.208134	1.003765	0.177801
0.121061	0.303877	0.175358	0	0.457616	0
1.50772	0.923043	1.290228	0.541782	0.813465	0.601602
0.776412	1.61082	5.059336	0.466073	0.948134	0.483165
0.159348	0.409414	0.057814	0	0.290634	0
0.714417	0.322192	0.340002	0.079279	0.774035	0.174209
0.735783	0.574525	0.610292	0.173508	0.173792	0.668878
0.118767	0	0	0	0	0.718711
0.835344	0.324017	0.117569	0.121992	0.178898	0.400535
0.079876	0.233307	0.058294	0.200472	0.179471	0.132798
28.820864	29.889126	23.186845	14.339588	20.296882	20.677639

32.136003	48.894235	24.435928	26.22641	32.962158	27.038866
2.269089	2.345729	6.055459	2.774698	3.774818	2.019061
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10.401854	9.937458	15.61365	8.993855	11.128647	10.41039
29.395878	24.047129	23.510029	17.830322	21.778996	21.299946
1.249975	0.835745	1.366448	1.19455	1.198951	0.675151
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1.245131	4.1908	1.023349	1.338264	15.059555	0
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12.604939	10.491126	9.152577	4.988571	11.165485	6.051791
10.17446	6.507147	5.577586	4.166196	5.609788	5.989323
36.348972	25.923725	30.020838	17.559607	20.135145	39.040371
7.218468	6.599792	6.416164	4.335997	5.904791	9.63994
0.572057	0.07728	0	0	0.029686	0.761611
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0.516492	0.36944	0.343102	0.519089	0.249232	0
17.961332	14.347779	17.848824	11.153597	9.811708	12.634094
21.47802	17.567516	16.15082	12.504261	12.304538	16.805471
5.484134	4.893226	5.154092	3.085122	3.174689	6.458323
15.718603	16.860312	20.729244	10.729988	16.173471	15.492796
5.373866	5.08793	6.218989	4.358733	5.755888	4.905291
134.754974	147.585403	85.467857	94.457596	93.468216	136.278381
22.560911	22.309261	20.785828	17.534554	17.660301	21.895681
27.399179	26.274813	14.668757	12.486861	15.735831	24.701244
26.933104	20.520264	14.588426	13.327947	14.567804	24.148129
99.341171	98.932426	79.566483	82.361168	70.667526	68.136192
8.173513	2.564664	11.012941	7.463962	7.605933	3.50916
4.722347	6.543533	11.817299	11.781427	9.637891	11.124465
6.104732	4.410437	8.712257	3.957369	5.557339	5.532225
84.965823	35.887902	46.514191	50.925936	52.687033	38.699969
8.739879	8.544069	9.38059	5.354377	6.58799	7.213295
7.850288	5.30764	4.718787	3.929486	5.138341	4.050262

7.352044	7.442714	6.763925	4.507041	6.208106	5.3945
1.561608	0.734256	1.270985	0.605232	0.751654	0.984599
3.529657	3.137247	3.975721	1.781132	2.622233	3.340085
14.422736	15.399545	21.443834	13.039979	14.583462	21.311211
16.429293	18.084423	20.475819	10.751728	19.111832	19.276571
7.012349	6.925588	6.669418	2.322119	4.707486	9.360859
1.852878	2.316779	1.837825	1.553853	2.167974	2.39536
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10.168212	8.312075	13.198242	8.212906	11.935697	12.846412
42.406008	35.226246	46.833275	45.173239	40.197363	50.043766
1.293592	0.69635	0.661374	0.617161	0.655798	0.897036
5.906909	5.14294	10.217121	5.8159	6.055336	4.422034
11.05273	9.532065	20.699848	12.748434	12.563496	10.319382
238.831497	149.346481	72.050217	129.223877	184.021179	297.817261
296.669006	268.056213	216.605957	192.540176	230.13179	287.535034
0.261424	0	0	0	0	0
1.002429	0.183439	0.529382	0.072157	0.2074	0.330359
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144.79361	149.858688	94.493103	72.872726	74.394928	203.478485
16.595039	16.40634	12.185145	8.935099	11.114556	21.283094
5.688597	5.835457	6.976723	4.230424	6.426261	5.843564
2.574526	2.097387	2.431491	1.781939	3.563025	1.62383
16.426052	16.986483	13.858403	7.617841	11.842762	18.040882
3.579625	4.095963	4.533061	3.988618	4.255872	3.971791
11.036591	6.40377	8.316522	5.964704	6.609496	11.401732
4.915264	4.707271	6.411203	4.267253	5.550548	3.626332
20.168978	14.952352	20.61432	9.094736	14.334505	10.236461
12.520762	10.060618	8.572009	5.713011	7.696813	9.244032
21.93725	10.810294	6.552353	5.870507	11.228657	14.362647
22.316267	17.236624	8.918687	7.521921	10.104502	18.428213
92.040348	78.558285	44.690519	31.567895	56.199701	80.392003
8.263436	9.60867	6.741971	4.582783	7.288485	10.340805
11.299527	9.416413	12.017206	8.868216	9.30669	9.777765
19.269947	16.268866	19.0089	13.448361	15.942623	17.790869
14.85817	11.550567	17.391932	14.11522	12.281727	9.844607
5.014717	6.120601	3.677442	5.444284	7.285941	3.49043
65.79818	77.211266	63.622902	56.4916	55.548	88.258057
30.732556	29.812073	38.415977	27.469629	28.202216	32.410143
2.853147	1.404638	3.201304	1.671361	1.051073	1.788371
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7.080431	6.004235	7.163359	6.135272	5.52385	8.110247
12.129859	23.659073	0.879942	1.205745	1.650392	1.546556
6.747683	5.774648	6.705808	7.334033	6.297158	7.458129
20.149475	17.80834	21.906979	14.252647	17.699583	20.559357
4.881428	4.785421	8.093961	5.472075	6.960128	4.04117
31.365128	29.120852	29.691778	24.309515	27.331947	40.996544
25.288134	20.168598	23.334208	13.42384	18.942978	26.504877
20.929052	17.139066	29.392699	20.85447	25.446126	18.463896
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12.05389	10.25216	9.910132	6.570132	10.543345	7.52589
22.141224	19.997055	16.202196	10.571431	15.79151	20.219721
22.526705	17.736959	18.872286	10.987739	16.198223	18.69628
2.540606	0.719245	1.200466	0.725899	1.426242	0.633941
2.250106	1.464721	2.612942	1.347125	2.644185	2.530876
21.911272	20.051105	20.363516	9.652537	14.826334	21.811447
12.321529	9.988117	17.157436	8.263639	9.753425	11.231868
7.331763	7.174657	11.443604	9.200882	10.651327	10.262494
3.554474	4.255215	5.665385	3.229539	5.008438	3.465308
13.485013	13.565031	17.228403	13.063274	15.314533	11.169644
4.391054	3.433025	3.47308	2.660304	2.677304	1.691322
2.021369	1.151703	3.132664	0.93038	1.116994	3.074175

18.518509	13.469666	21.009726	11.004474	18.155834	17.227104
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11.038108	9.001931	11.375316	6.734818	9.572129	9.651371
5.330269	6.06657	7.367878	4.341423	7.461887	6.635003
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8.025771	6.991938	10.448487	7.474512	10.74599	8.077907
2.496888	2.668732	4.745003	2.955452	3.670139	1.906094
4.79399	3.307686	5.246371	1.718616	2.775965	3.439226
14.757671	9.864037	7.924731	5.112323	7.372871	5.674016
0.132932	0.306751	0.173866	0.126842	0.246092	0.25169
4.369229	4.929265	6.779545	4.582039	4.763009	6.627484
0.506097	0.657278	0.89418	0.65101	0.721786	0.401076
4.577597	3.269041	4.521182	2.757943	3.290608	3.376551
4.31736	3.737198	4.071301	2.791721	2.993166	3.669426
9.562686	7.482875	10.541952	5.799507	6.530438	7.273438
3.323847	3.418524	2.364003	1.869498	2.505706	1.673573
3.746405	2.550308	2.481452	1.774497	3.502314	2.497561
4.006492	2.109458	3.933835	2.689315	3.694463	3.658583
15.908899	17.547766	21.124112	12.031712	15.780724	14.621452
313.33667	295.516144	254.865631	336.940491	272.932434	287.454315
67.678307	68.401642	44.890587	45.089718	49.277287	63.752747
9.808971	9.888663	10.235312	8.431899	10.103765	11.260144
6.004745	5.756358	5.846373	3.049608	3.593994	6.48764
11.414394	7.950301	9.108818	6.842343	7.963955	10.867981
9.10882	5.640517	11.297414	9.199635	8.911998	7.977016
8.034325	7.29777	5.829287	3.499858	5.800314	6.586232
3.106292	3.344392	3.744009	2.564295	3.654184	3.051708
19.267603	13.396337	17.515324	10.622876	13.36526	15.563755
8.332784	9.485804	11.13438	6.276469	8.973962	5.641144
10.866199	11.923732	20.042456	17.119261	18.361879	10.466794
6.677028	6.624455	8.212526	4.976531	5.528889	6.24218
8.680945	8.151169	11.96615	7.741831	12.653383	5.976023
17.411608	15.018529	15.949206	9.971674	12.73871	22.134876
10.906425	11.01533	12.848096	8.771749	10.617926	9.372843
16.065046	14.855877	15.332587	13.769423	13.616791	14.214138
0	0	0	0	0	0
0	0	0.041616	0	0	0
64.130058	65.271446	81.662003	78.483292	81.416214	73.83036
0.04763	0.042199	0.066452	0.143323	0.122854	0.0065
21.09251	15.589968	22.60302	12.115801	15.629722	19.27326
0.32618	0	0	0	0	0
0	0	0	0	0	0
5.652679	3.765093	5.758036	3.525044	4.624509	4.841108
0.657151	0.041784	0.281491	0.081541	0.142855	0.176593
0.055716	0	0	0	0	0
2.283252	2.233539	0.905518	0.363607	1.693622	0.879549
1.010301	0.694356	0.169909	0.127572	0.414343	0
0.200546	0.076269	0	0	0.087696	0
0	0	0	0	0	0

8.126382	12.243761	16.310064	12.809018	17.556733	11.416447
0	0.096404	0	0	0	0.341385
0.075058	0.145157	0.090612	0	0	0
0	0	0	0	0	0
2.02299	0.816738	1.953504	0.769415	1.81072	0.423336
1.759428	1.242013	0.442886	0.116932	0.153105	1.05384
41.208969	48.803814	21.705008	18.06245	20.591656	32.615185
0.028351	0.149931	0.019301	0	0	0.070665
4.246771	4.472005	7.15173	3.618381	7.009	4.848279
1.083919	0.197993	0.302628	0.03585	0.314109	0.704695
0	0	0	0	0	0
2.254555	2.028347	1.694633	0.89187	1.067659	0.781321
0.279421	0.567638	0.508473	0.198619	0.172276	0.347462
76.478119	0	0.338221	0	0.36897	0.544844
21.099458	21.005363	23.651319	38.339126	20.57662	21.954627
5.273322	4.812707	9.827008	3.688236	5.464184	2.54522
8.138489	6.140997	0.692347	0.362256	2.497446	3.664564
1.772624	1.220257	1.194689	0.947628	1.074568	0.97976
0.974518	0	0.140154	0	0.089208	0
2.132303	0	0.072381	0	0	0
0	0	0	0	0	0
3.015303	0	0	0	0	0
39.115685	28.713122	25.62896	24.164096	25.489112	29.693974
0.891266	0.660001	1.683301	1.10641	0.81973	1.052293
2.630947	3.211385	2.641522	2.058297	2.193439	2.608082
88.935532	76.096039	53.174244	62.490913	55.191509	81.556541
465.090637	501.52951	325.54776	311.970276	318.403076	503.117676
18.635401	15.503819	15.89526	11.338141	15.548956	17.55665
18.154292	14.402496	19.052153	13.651047	14.735576	15.29911
0	0	0	0	0	0
14.24548	11.395302	16.661742	14.57423	20.333423	11.577053
0.163284	0	0	0	0	0
16.466847	11.941543	10.085354	5.611552	6.952426	12.624571
4.302082	6.936089	8.352996	5.812401	5.45695	6.843683
2.154612	5.493977	0.490265	0.305971	2.114993	0.211323
0	0.110178	0.188287	0	0.07252	0.151576
0.040582	0.417065	0.058894	0.06111	0.51672	0
95.328139	88.44805	144.501548	98.312464	113.918342	92.6171
31.118908	35.820821	46.541545	25.592034	19.274491	20.000655
26.235851	24.094843	12.290315	21.174703	33.736419	10.059234
2.852857	5.157691	3.419091	3.247709	5.174418	3.011416
5.127034	5.12485	4.931305	2.089548	4.994622	2.125209
12.336663	9.975706	13.075663	8.106937	9.713722	9.956264
0.616244	0	0.244244	0	0	0
0.459125	0.155639	0.325959	0.039313	0.345906	0.195928
0	0	0	0	0	0
5.243537	4.905838	5.797644	3.794938	4.898312	2.422894
89.903942	77.321279	81.960157	61.482985	71.665578	51.867137
0	0	0	0	0	0

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44.447792	34.470551	20.869687	12.041681	34.083625	52.470078
28.030186	27.346114	20.710793	16.442464	16.298549	28.017391
147.642357	133.170258	146.273967	148.76117	130.128323	157.637673
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0	0	0	0	0	0
0	0.196443	0	0	0	0
1.132052	0.342918	1.052314	0.297808	0.461629	0.410104
9.001554	10.745894	11.615602	9.609056	16.125692	6.047179
0	0	0	0	0	0
0	0.474386	0	0	0	0.718878
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12.306546	8.023731	13.277783	5.784052	10.114097	10.090987
0	0	0	0	0	0
0.593819	1.104669	0.587587	0	0.47261	0.220988
0.651908	0	0	0	0.271391	0
0	0	0	0	0	0
30.340887	25.072102	22.878902	20.39505	23.087093	27.787245
0.464497	0.199091	0.44717	0	0.227903	0
3.487771	3.232946	7.567715	4.861293	5.082858	2.417661
3.502023	3.904593	5.729804	4.231595	6.727224	4.54204
4.578636	3.435986	4.224555	3.323493	4.162681	2.417659
6.255472	3.018083	2.938701	4.66836	2.2825	6.069567
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5.264917	17.890888	0.403951	1.875956	0.857013	0.72871
14.887776	16.839146	15.102668	9.881546	9.246327	17.599131
9.855642	12.192621	11.83443	11.857228	11.022385	10.531212
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0	0.059353	0	0	0	0
0.136584	0	0	0	0	0.335888
0.074794	0	0	0	0	0
0	0	0	0	0	0
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6.951828	6.845859	8.457391	5.711266	6.185041	4.491176
0	0	0	0	0.043335	0
0.043052	0.064598	0	0	0.031691	0
9.662251	9.368813	9.00369	5.390517	6.851687	10.212388
0.079028	0	0	0	0.106107	0
2.328123	3.218991	2.625593	2.037622	2.154373	3.63154
0.66905	0.735569	0.223934	0.332942	0.60496	0.198198
9.418081	8.536586	13.814169	9.42676	10.322905	6.388126
31.929691	43.246109	62.036996	39.086033	45.483234	47.553484

8.98449	8.333655	10.811646	6.204126	12.726007	6.718463
4.549606	3.710527	6.860998	3.846727	3.272132	5.008728
4.90523	9.455387	8.394743	7.214974	11.135269	9.532257
6.94803	6.677783	7.627327	5.060519	5.568695	5.66979
3.32568	2.705375	4.041309	1.848731	2.780831	1.908113
130.148398	158.449543	173.621716	109.13575	124.069819	145.047478
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0	0.046056	0.077957	0.053927	0	0
0.136092	0.157537	0.024193	0.029525	0.031774	0.132459
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0.11821	0	0	0	0	0
15.945135	9.427945	15.489823	6.958553	12.779909	8.692084
13.431568	14.629245	13.905126	11.573386	11.878863	17.374863
1.996939	0.318408	0.480776	0.192145	0.458623	0.358959
0	0	0.113409	0	0	0
0.852004	0.441113	1.425998	0	1.008652	0.334956
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8.349794	7.185328	9.540136	5.366762	6.396345	6.086465
27.284002	29.599966	21.747812	22.372967	24.563528	29.14356
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0.031186	0	0	0	0	0.050924
0.846819	1.202232	0.69966	0.531043	1.653031	0.756764
2.057908	2.367598	4.456605	3.242714	3.255826	2.779363
7.605201	6.73051	8.008225	4.988636	6.169128	7.555942
0	0	0	0	0	0
0.37781	0	1.224427	4.202922	0.55872	0.391879
13.399551	12.133133	14.373158	10.809133	10.588556	14.227423
17.612479	9.010107	19.521472	11.273379	14.254659	13.392694
6.612069	5.686574	6.044194	3.667503	5.271219	5.569776
0.778648	1.269543	2.385697	0.665743	0.893469	0.868927
60.070816	75.814125	78.594772	92.177673	90.768021	99.080162
0.235599	1.577346	0	0	0	0
0	0	0	0.086124	0.083076	0
11.906628	8.858975	6.922493	4.307746	6.285613	8.123314
3.072233	2.099998	1.874918	0.679171	1.58783	5.257093
0.529459	0	0.097677	0	0	0
0.048579	0.023139	0.046791	0.037859	0.045836	0
5.134713	5.062089	12.170945	10.126439	10.764625	2.473316
8.29834	6.858726	11.72954	5.380656	7.328098	5.811883
7.965415	6.906999	8.702223	6.977003	9.499305	8.280113
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0.015895	0.001277	0	0.01602	0	0
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6.606912	9.229195	7.659174	5.463212	7.833991	7.785861
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0	0	0	0	0	0
0	0.177915	0.169959	0	0.340952	0
35.976112	32.751373	26.163509	20.63378	24.037659	35.460278
43.431744	42.536555	41.38057	30.650692	37.177727	44.83575
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16.023685	11.478724	11.516231	11.559868	9.492229	18.157492
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0	0	0	0	0	0
0	0.242265	0	0	0	0
0.184602	0.239007	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
1.468886	1.262128	3.064406	1.303083	1.284039	0.897265
11.131144	9.532879	8.674424	6.869756	7.028197	10.147597
1.855447	3.623685	3.404992	2.261371	2.894328	2.150787
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16.754313	21.269918	22.975342	16.984034	15.720088	22.700327
4.718912	6.414371	3.830195	4.50787	3.444941	3.302263
8.646001	7.145413	7.068938	4.182358	5.03657	7.355446
6.129112	5.814218	3.859666	6.35565	8.140875	1.556964
0.05521	0.201155	0.023799	0.016463	0.136807	0.234511
45.200757	41.45496	43.172707	23.604327	25.416847	44.846914
3.160266	3.210451	5.213546	3.072226	3.518233	1.198611
28.17122	22.435597	21.526224	14.78439	21.07073	22.004286
9.209784	8.447397	5.471245	3.212574	5.020922	6.784711
26.63114	15.919033	9.413005	11.766894	10.782592	23.909195
0	0.681687	0	1.747484	0	0
0	1.63589	0	0	0	0
0	0	0	0	0	293.68222
28.761864	30.612048	26.01578	21.822233	25.968166	41.651264
10.470655	10.201673	13.447368	8.497733	9.973374	12.509477
12.768117	8.54334	6.787432	6.232262	10.961913	10.20207
8.213118	5.747112	2.140846	3.45975	5.574907	3.023941
20.844059	20.305731	21.279405	17.764125	16.234535	24.031862
1.852499	9.904212	1.18416	2.043031	4.201356	0.535743
12.636846	8.161942	11.474077	5.886678	7.242795	11.698905

0.056875	0.01545	0	0	0	0
16.247959	12.368257	13.481961	11.401108	12.961245	14.86358
0.963498	1.100894	0.29075	0.318047	0.422424	1.109195
85.138809	102.292534	72.015564	63.705513	100.703079	73.379715
14.400658	10.298215	16.009734	10.255978	13.412774	11.466108
5.533906	4.662323	4.0885	4.573823	7.808327	5.829476
30.467293	37.003567	30.263073	28.46837	58.75877	30.025616
211.392853	123.317238	136.83638	93.552551	124.249222	194.313568
8.212713	5.082401	4.896636	2.644991	4.978563	5.029869
38.92957	23.104392	18.929086	10.303978	20.496019	18.551634
8.863466	6.528064	11.116007	6.601008	8.345345	4.573522
1.250167	1.383067	6.208517	2.866744	2.981066	0
8.134942	4.940522	6.480011	2.857694	4.115186	6.768904
41.873488	45.261548	65.445383	57.016993	61.460358	57.354303
6.726036	7.691469	10.102779	5.9527	6.928083	6.914684
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1.955477	2.850813	1.404527	2.269129	3.800252	0.992079
55.421108	86.035568	51.180676	65.052032	118.505852	44.771545
0	0	0.039928	0	0	0
3.704233	2.634175	3.05023	1.846593	1.691538	2.276522
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18.187851	13.891006	13.567982	13.26761	13.455153	18.820107
3.749227	5.826795	2.42125	1.42031	8.372254	0.484528
8.159954	4.664918	5.173986	3.416465	3.889838	4.367069
3.295249	1.000082	0.127235	0	1.350367	1.178096
4.705205	1.046504	0.166352	0.173785	1.250933	1.608183
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4.011157	3.570615	3.987533	2.39769	3.102401	1.178469
1.608938	1.190479	1.713395	0.782163	1.52769	1.793681
5.706975	5.728687	4.029277	3.405444	3.689979	5.435512
20.850325	19.408314	15.944753	11.326445	16.919638	20.631958
3.751671	3.037184	5.436395	2.820794	3.796561	3.276265
18.979004	19.691183	28.865339	20.519991	21.238104	18.50227
16.505642	18.395033	20.978912	15.985183	16.670641	23.337667
1.565848	1.695104	2.625069	1.153871	1.330348	2.269297
18.215994	18.872965	17.565828	9.410211	15.062346	16.378975
10.936164	4.320313	10.561004	7.525256	11.877197	5.077256
124.036003	76.540382	103.882858	81.404831	115.71347	75.81485
81.005974	9.641795	10.137235	6.735537	13.161253	41.706413
29.134722	20.090069	29.703312	13.788864	20.231232	22.816933
13.631893	0.857836	6.834562	0.071174	4.23838	4.494415
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3.757371	4.311972	4.156271	3.426169	3.673097	3.488418
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7.679205	7.344975	7.506688	2.392429	3.64646	7.233723

0.28539	0.828036	0	0	0.216612	0
0.059685	0	0	0	0	0
9.12604	5.89429	3.948638	2.755264	4.157507	4.977273
0	0	0	0	0	3.218812
5.320083	3.450939	4.514329	2.704121	2.555741	4.804567
1.455585	1.001078	1.368567	0.940959	1.334222	1.446208
1.744788	1.459655	1.133414	0.312638	1.172529	3.362442
14.820042	13.701045	15.233374	11.914528	12.058147	12.815856
11.522835	7.533485	8.068918	7.231135	9.716681	4.890862
19.519163	18.72613	15.257442	10.739059	13.624985	18.823988
18.522795	21.760025	18.858747	17.831383	15.687099	22.457077
19.507853	20.362686	21.565584	16.253416	15.885638	23.140102
90.973159	82.45926	78.621624	76.137723	73.678156	97.914548
16.749969	18.783878	18.171854	12.647625	14.446204	19.660009
0.915023	1.181067	0.621702	0.763803	1.046766	0.621331
15.130919	19.516356	28.084585	16.390522	25.420357	13.516187
23.781527	19.901405	33.141777	19.591482	22.579576	24.028809
0.198925	0.35054	0.117872	0.025088	0.232684	0.13663
8.439565	6.094186	1.040295	0.545954	1.032111	1.497472
2.095762	1.008383	1.693905	0.291903	0.645526	0.724226
0.895353	1.096033	1.233521	0.719648	1.417598	0.71566
0.380628	0.191348	0.500614	0.048558	0.361691	0.016864
0	0	0	0	0	0
5.364615	5.515538	6.173395	3.762348	3.747326	6.285225
23.152147	20.648254	19.660391	14.151449	14.936349	21.938574
2.835042	2.826343	2.283061	1.506935	1.947004	1.140369
16.25226	14.839009	14.59832	16.383232	13.625072	18.74926
38.17701	13.927821	7.879561	4.446131	7.496438	13.22998
45.119175	37.327801	38.116455	42.747459	33.672012	50.650055
4.748101	6.226467	14.32612	8.731608	8.410699	5.476607
23.931084	21.25219	25.910769	19.120884	21.856031	17.991911
1.915797	0.775827	1.072429	0.312133	1.046322	0.339559
4.829264	6.688138	15.689717	8.880937	12.217904	7.733238
5.911318	6.620093	4.897279	3.156501	5.893163	9.46356
4.010645	3.606672	3.574248	2.738976	2.570786	2.101885
1.304799	0.844367	1.321692	0.449087	0.598729	0.887756
6.761563	4.115683	2.136805	0.913361	1.571883	2.910494
10.168179	6.371159	5.098227	5.047556	7.996701	6.420409
15.271297	15.645597	1.963236	4.801517	4.740185	10.647873
6.11708	4.366264	3.580558	2.114484	1.857418	6.461724
7.477696	3.812919	5.584325	5.92856	5.955127	4.519135
0.999315	0.231096	0.820542	0.498234	0.698504	1.766599
0	0	0	0	0	0
0.8374	0.683411	1.017088	0.28524	0.807174	0.9504
1.260762	0.52334	0.555405	0	1.503885	0
0.312425	1.264878	0.052012	0	0.070981	0.097807
0.139786	0.765718	0.325604	0	0.438113	0
4.348375	3.783727	5.550335	2.248129	3.359826	3.436641
77.427025	72.302025	42.375896	33.993256	38.247047	93.445213

69.941315	65.838913	43.832493	35.779243	50.479813	61.876671
93.379776	94.798515	64.784012	59.485115	61.840126	93.699181
122.0849	92.186928	81.351646	76.960709	76.16394	145.141617
23.363714	29.052557	21.719093	19.320957	22.848343	28.288502
19.21549	16.467922	17.78096	15.639557	17.437382	18.548962
13.192309	11.965353	8.512638	6.659873	7.872249	13.389293
60.288731	50.853504	38.504303	33.818863	37.021767	58.22485
39.99889	41.135887	47.037777	37.897831	41.190662	41.498161
37.419464	37.193466	25.556149	23.359978	22.022812	39.08062
0	14.196681	11.154202	12.807125	9.201843	21.119715
0	0	0	0	0	0
221.503693	211.599426	214.628769	230.996033	227.977768	242.592178
48.361591	43.968852	40.436291	29.045766	29.030571	52.893661
19.954433	24.707153	18.759274	17.447163	19.960949	19.483511
882.954437	775.279893	539.977066	719.586731	1263.128357	786.549468
236.248871	230.820389	258.13559	163.404312	251.412888	177.791367
122.161186	157.862167	118.911613	114.410019	118.686836	94.129837
0	0	0	0	0	0
0	0	0	0	0	1.56669
97.340252	153.595408	150.201632	84.495995	97.463326	95.248962
13.460422	10.915259	14.907128	11.245386	11.727855	14.483839
14.061573	14.555176	23.949989	28.393658	24.920246	14.897452
29.465836	21.111046	24.071362	19.92654	18.397722	26.052366
14.734581	13.494414	11.780416	12.926143	10.805593	12.075256
5.976138	3.902009	4.918744	2.626982	3.631778	3.832013
24.951476	24.83123	39.989725	22.169722	29.059705	20.324353
4.517627	4.630614	8.835682	5.941647	7.331797	4.425949
9.64486	11.009501	12.735336	9.59474	11.156371	12.395018
0.169019	1.973425	0.344378	0.366109	0.512576	4.723573
37.384723	35.110218	30.713872	18.611571	18.755796	44.735283
17.20493	14.886536	15.321067	10.486039	15.023186	12.589006
8.420716	15.14878	7.296941	5.110974	6.124209	15.437428
62.5382	79.881332	76.912994	52.91573	57.385525	86.608795
0	0	0	0	0	0
0	0	0	0	0	0
5.024027	5.54173	6.473372	2.51948	4.322031	4.09462
3.093523	5.872858	1.09936	1.089618	1.770979	2.794928
3.291862	4.453232	6.284476	3.051465	4.685845	5.010843
0	0.164468	0	0	0	0
4.824358	3.611759	3.636729	4.146277	6.040495	2.40083
2.829675	2.033802	4.199166	1.846783	4.719616	1.08084
21.330902	22.860535	20.705919	12.392831	18.450103	15.876072
3.18362	2.460942	1.794598	1.17178	1.644929	1.838475
1.338278	3.219446	1.769333	1.241677	3.365501	0.295207
13.787032	11.072578	14.90653	9.228716	11.318301	13.455511
12.829941	12.064289	17.804785	13.884193	14.479273	12.84877
0.122979	0	0	0.092492	0.072961	0
0	0	0	0	0	0
34.917408	32.957069	32.089622	20.940296	30.165379	30.344612

5.412223	2.429928	1.436814	0.874537	1.839758	2.422876
6.668217	2.145129	1.200955	0.907961	1.26861	1.728965
0	0	0.051595	0	0	0
0.143365	0.326599	0	0.092317	0.047007	0.064919
9.464175	3.469755	5.549222	2.434799	3.199906	3.324258
45.371002	31.437843	22.979946	13.503282	12.958946	41.572651
1.780507	0.871736	0.521253	0.387262	0.514921	1.673571
10.33293	6.243329	6.433102	4.538574	5.725695	8.937772
1.006797	0.300144	0.889879	0.163473	0.536046	0.145898
2.930877	1.467145	2.644443	2.184205	2.600725	2.233675
5.44613	1.130064	2.644297	1.219879	1.362214	1.706789
2.490945	1.414546	1.8017	0.843891	1.339877	2.124172
1.545432	0.558755	0.426492	0.241251	0.405778	0.307762
0	0	0	0	0	0
0	0.090892	0	0	0	0
0	0	0	0	0	0
15.258533	16.797331	12.817545	13.166164	13.253947	10.811289
82.212929	87.788429	74.019966	56.802071	72.160637	93.094017
23.417607	26.021933	18.086291	15.223012	21.100147	25.604122
174.919739	151.250626	179.134979	148.66655	165.960175	257.689392
0.322498	0	0.114984	0	0.118696	0
0	0.128344	0	0	0	33.228172
2.070133	30.134501	3.280883	10.674847	16.907274	19.247791
0.309752	0	0	0	0	51.788078
10.380702	5.714369	10.452964	4.019623	5.196474	7.572011
1.658926	1.716603	0.893564	0.891202	1.198971	33.628975
3.654285	6.830951	4.961314	2.296249	3.626884	5.019197
16.151567	16.18449	14.332147	10.516049	15.585885	14.41499
25.442711	23.237339	22.620485	13.856663	18.124567	21.983957
36.870975	31.33432	24.058929	21.702461	25.233854	39.164619
41.828022	44.031197	36.660587	31.678865	34.890877	40.896023
18.504128	18.792734	22.978199	12.707364	17.584869	20.058575
15.551688	17.817728	18.023321	16.463787	13.79512	16.40835
201.94783	229.289505	166.702026	189.124039	185.699982	267.681122
69.673958	81.769135	80.979393	61.186764	77.808807	94.610756
51.289635	40.494209	28.755135	27.09244	32.388363	43.873608
266.725646	295.520328	188.731636	137.800286	195.608697	348.77733
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0.130842	0.127842	0.25439	0.05304	0.071708	0.216118
3.655354	2.524375	2.787965	1.737285	2.694211	12.73516
0	0	0	0	0	6.481185
10.401183	11.272259	14.615841	8.502681	13.899043	11.965669
0.167818	0.274814	0.036827	0.05027	0.127959	0.126655
1.26054	1.908974	0.540873	0.901908	1.245111	2.058954
6.350592	5.715692	4.664898	3.426903	4.942397	4.373906
5.687802	6.315523	7.961463	5.986933	7.106503	6.532465
10.542602	9.661886	5.882138	4.312341	5.284281	8.56293

17.024117	16.67774	16.05908	13.416273	15.659733	17.198431
0	0	0	0	0	0
5.367096	5.746304	5.70378	3.931186	5.945072	5.898439
2.854367	2.439312	2.356206	1.652182	2.75193	4.475266
0	0	0	0	0	0
0	0	0	0	0	0
4.953977	7.448328	6.814479	5.120146	6.385076	4.678794
41.123466	47.528385	39.167938	32.223732	39.615612	42.988602
60.752434	57.141964	54.079033	47.225525	53.935665	63.460239
0	0	0	0	0	0
193.28241	186.391083	135.264908	107.339218	135.824036	184.389328
113.353401	99.356575	77.503059	76.856293	103.387962	101.823898
49.382488	65.313667	56.791245	52.053432	60.170872	72.942924
25.3797	19.486473	14.434797	14.521008	13.923805	21.971737
0	0	0	0	0	0
25.9503	29.853525	20.245691	19.554283	24.360802	27.890095
1.628382	0.879938	1.053875	0.332689	0.785132	0.635188
143.938629	154.227966	95.628532	87.435951	108.344086	118.178612
8.18489	5.56741	8.807755	9.126525	10.966025	9.657912
0.402163	0	0.132147	0	0.132436	0
5.352562	7.171083	13.280095	6.474771	9.05974	4.02977
15.222982	20.988697	17.643473	11.826799	17.382132	17.684149
0	0.402347	0	0	0	1.29898
9.407824	6.245936	7.950869	3.630805	6.441726	5.244865
33.94157	14.003152	17.128912	8.571751	13.832025	21.890762
8.83112	8.5618	10.660361	8.422025	9.52853	7.983719
16.074628	17.178805	16.050603	14.552066	16.937943	14.448865
8.503592	11.016689	9.982802	9.101817	9.354123	7.560369
1.16168	0.823972	0.28165	0.165344	0.927857	0.336547
54.76627	55.901665	30.847801	21.575096	27.008236	49.812252
55.738186	64.883957	49.349875	38.495832	45.707538	63.38832
7.014989	8.544648	6.543424	5.487997	6.502616	8.469227
0	0	0	0	0	0
17.638792	18.840918	18.953798	9.724557	15.046172	21.219563
0	0.172672	0.161744	0	0	0
0.897566	0.303389	1.721216	0.665838	0.826926	0.974891
25.346024	33.769688	27.875387	16.796644	42.813465	28.668827
53.809635	58.067284	48.560398	55.294647	57.391285	85.73259
5.30754	4.623034	3.881001	1.92793	3.310912	2.485869
1.017885	0.917801	0.58556	0.429222	1.301154	1.768327
28.028975	26.811598	23.614326	18.471214	24.098768	22.547007
0.122463	0.663593	0.205769	0.368826	0.312013	0.919084
50.356331	43.037251	41.260979	45.783649	34.719994	53.597195
12.480023	8.168591	9.109714	8.383637	8.238346	10.863042
22.554289	15.72355	17.729914	8.946918	13.935022	17.835117
47.124062	30.281794	31.847116	28.210045	31.53245	39.101578
14.73207	11.932601	12.659716	6.437286	10.849186	12.262735
0.082292	0	0	0	0	0
10.106824	9.052647	13.781829	7.927772	11.584246	11.205997

25.92938	28.039158	21.735117	14.365931	21.11573	29.916193
0	0	0	0	0	0
0.088402	0	0	0	0	0
0	0	0	0	0	0
0	0	0.024926	0	0	0
0.170324	0.124778	0.07279	0.034337	0.033794	0.093968
44.200769	55.020046	49.198989	42.49539	51.570985	47.975872
5.549692	6.159672	5.225642	4.415408	4.977127	7.393332
0.282608	0.570262	0.157585	0.218018	0.29698	0
14.977191	10.664124	10.701578	7.40011	8.99826	11.102943
0	0.282571	0	0.463913	0	7.354554
10.057369	3.412932	5.341055	4.352776	3.726476	2.349777
21.067586	26.266116	20.161165	15.552658	19.126791	23.330781
7.361283	7.509025	9.242139	4.933495	7.102567	6.857757
2.554851	1.780415	2.482447	1.605332	1.597029	3.724229
0	0.082895	0	0	0	0
108.671593	118.800301	98.790657	102.93	95.408203	124.323181
1.864265	1.797781	1.673739	1.922243	1.833981	0.767964
161.765701	164.522308	106.921936	103.361076	98.361694	189.634491
34.024158	34.923828	32.88298	23.496212	33.679832	23.764763
0.79215	0.680583	0.476552	0.148889	0.59366	7.00201
0.401041	0.315665	0.178184	0.099003	0.050008	0.084104
0	0	0	0	0	0
1.028834	1.464945	1.844898	0.900328	1.820664	1.954109
0.108846	0	0.034109	0	0.045725	0
6.468255	6.958019	4.655757	1.40648	1.755705	5.993049
8.019887	10.190425	3.58066	3.326411	4.197937	8.673629
13.042701	13.89539	10.585867	11.273039	12.59024	11.720323
50.022186	51.083118	31.005796	24.76749	30.655399	47.066856
17.511668	19.135595	19.439841	13.348133	14.322461	17.190095
3.424314	2.054412	3.553538	3.082134	3.333689	2.822109
0	0	0	0	0	0
12.176447	14.864359	15.859898	7.524107	12.142105	14.144638
41.183205	32.040417	39.538857	23.941975	30.7068	43.142956
7.450538	5.621838	5.1139	4.348273	4.541678	5.807938
16.617195	17.139854	17.8452	13.324792	17.649857	14.212841
8.171226	6.772561	6.478146	5.144117	5.461068	7.60563
0.053643	0	0	0	0.106004	0.075992
3.22184	2.03658	2.978628	1.92789	2.112769	3.732308
1.985175	1.968159	2.817825	1.152942	1.758464	2.902802
2.721368	2.369847	3.897863	2.539776	2.401223	1.675726
5.29539	2.472859	1.859605	2.194564	1.08854	4.328288
26.232903	8.265349	8.491166	4.8241	10.237508	3.991444
0	0	0	0	0	0
7.084022	6.753911	8.42233	5.002357	4.706575	6.857207
56.433925	110.254295	35.007905	40.545494	63.134506	29.818718
89.962782	158.414155	63.631975	65.614073	106.192629	65.174776
3.187814	3.157635	3.258579	2.256423	2.1747	3.379948
2.890964	4.254959	0.130082	0	0.700844	1.00415

0	0	0.035676	0	0.144761	0
0.192184	0.247165	0.06353	0	0	0
28.321303	26.464856	24.568287	18.613169	26.012862	27.611284
11.550872	9.245607	14.43671	8.535206	10.158558	12.594509
3.017622	4.02843	5.397753	2.393448	3.073696	3.117414
8.543797	6.990364	9.539773	4.955582	6.227034	9.129774
4.288912	2.72201	3.36836	1.48269	2.226764	4.336343
2.2683	1.77331	2.574618	1.360803	1.391945	4.751323
0.964442	0	0	0	0	0
27.36932	28.580223	15.389377	19.100636	24.310229	37.640937
0.148116	0.38098	0.13525	0.187117	0.21952	7.101945
37.415762	38.570179	32.651917	23.494846	36.938369	36.454252
6.264029	4.71882	8.67809	5.533946	6.419997	7.86787
5.682128	4.492612	3.700115	2.339334	3.353412	4.738744
7.483225	7.091178	10.684904	5.937983	6.729418	8.698365
49.449928	57.613132	56.837135	48.37447	64.0849	37.051476
12.61475	16.011126	16.675117	9.213536	13.790195	16.327517
0.386324	0	0.377127	0	0	0
1.823562	1.174332	4.352841	2.670713	3.810551	1.169981
27.949855	25.257235	23.538802	19.052709	26.104578	27.657324
3.619663	3.465092	4.747125	3.164154	4.686966	3.659353
2.92571	2.389924	4.58773	2.514759	3.185663	1.851266
0	0	0	0	0	0
1.565343	0.885626	1.577027	0.52058	0.527608	0.491208
9.446354	13.954021	23.714687	12.500707	19.199177	14.472487
22.869802	22.964043	23.87167	15.94909	17.804096	24.969378
13.01644	4.602625	7.852233	6.139781	13.71174	4.255044
1.603543	2.317271	1.601969	0.852749	1.551832	1.686865
1.551246	0.736365	0.842218	0.211652	0.869067	0.264971
0	0	0	0	0	0
6.841749	9.751738	13.984402	7.313577	9.688129	7.012972
0.543035	1.533178	0.526371	0.243013	0.59316	0.660069
13.912217	18.572531	14.995188	11.223842	13.89819	13.710956
3.4471	4.006134	1.429708	0.457317	2.47673	2.061305
18.26556	53.820674	16.497131	15.265671	19.53642	20.483065
6.706055	5.892169	7.076014	5.011413	5.723943	8.586529
0	0	0	0	0	0
89.120888	85.91806	72.449463	59.319862	63.480556	83.297691
11.734346	11.940361	12.111475	8.843703	8.739837	12.937382
0	0.19958	0	0	0	0
0	0	0	0	0	0
0	0.361143	0.344299	0	1.348425	0
0	0	0	0	0	0
24.841286	23.767357	26.200863	15.645052	24.647642	21.672729
0.09448	0	0	0	0.069546	0.161152
9.726734	10.131919	6.214476	5.897006	7.231499	9.072356
0	0	0	0	0	0
8.248095	9.758916	14.611329	15.010807	13.964073	11.653952
33.911976	31.865089	33.179356	28.461794	28.4551	37.439304

1.613991	2.163199	2.198433	0.593746	1.562032	2.569421
1.373554	1.607419	0.632826	0.834373	1.023618	1.181122
34.16977	30.998491	29.406851	29.292426	30.043497	31.245825
53.223778	52.260303	53.810345	38.634548	40.751595	50.09721
0	0	0	0	0	0
0.015247	0.169252	0	0	0	0.067827
5.186508	4.335825	1.765376	0.729958	2.083721	3.475401
9.820547	10.380588	11.2694	10.329432	11.542682	10.656816
1.412582	2.416803	3.366475	1.629246	2.408296	2.356721
0	0	0	0	0	0
0	0	0	0	0	0
55.393536	51.114887	52.337933	35.239838	47.095589	54.060844
0.207415	0.250174	0.210518	0	0.078756	0
0.124673	0.071025	0	0	0.040787	3.876875
11.055485	14.15071	11.188768	10.564623	11.23475	14.419105
12.975256	14.61834	7.264411	3.983503	5.154592	15.648711
0	0	0.231144	0	0	0
0.286826	0.32222	1.342317	0	0.948722	0.335187
2.106324	1.072586	2.342197	1.352755	1.381241	1.788044
101.657166	116.185226	120.783142	114.53511	106.687447	125.735382
9.870852	14.925947	12.953874	10.445601	12.556885	19.669842
1.395879	1.6578	2.386064	1.93626	1.829707	2.102687
0.296935	0.217304	0.110938	0.051161	0.049684	2.059279
0	0	0	0	0	0
18.935564	15.976688	14.185914	10.736648	14.252887	15.697521
0.3216	0.431878	0.257733	0.191467	0.315218	0.527546
19.750095	9.907895	12.604896	10.095622	11.781695	17.991434
3.405886	0.686457	1.266485	0.210756	0.480771	6.087949
0.341946	0	0.586998	0	0.302373	6.030312
0.567156	0.349119	0.775428	0.144288	1.362528	0.399813
0.000126	0.000681	0.000801	0.000246	0.000705	0.000282
24.635646	26.555058	15.89853	13.662054	15.828954	22.929858
0.132626	0.056729	0.44904	0	0.12292	0.119708
0.351351	0	0	0	0	0.212014
318.83252	367.30069	303.809601	373.122009	365.471252	313.314453
178.481087	191.814116	196.716297	178.61046	211.729983	203.248558
65.109299	68.7556	75.482277	51.900501	64.794121	57.961296
0.135208	0	0	0.043298	0.132898	0
3.037291	2.209445	2.678746	0.884437	2.216373	2.242239
54.445606	55.16222	39.549511	33.253399	34.083328	50.438393
7.494185	7.602093	4.360831	5.400605	7.824261	6.083339
8.950903	7.212565	8.708528	4.449627	4.962766	6.066173
0	0	0	0	0	0
0	0	0	0	0	0
16.927286	17.360119	18.859517	22.732392	19.633559	19.735143
25.193392	24.834837	20.057062	19.182159	22.88287	19.492048
0.346463	0.946762	0.164243	0.11532	0.388231	5.177858
0.273529	0	0.118132	0	0	0
10.653924	10.903813	8.17771	8.003321	8.374711	9.412832

0.712268	0	0.115026	0	0.074678	0.351492
29.447372	40.096088	36.213085	25.046703	38.744255	54.69582
10.686684	2.761857	1.894982	1.016929	2.33221	2.534871
11.700556	10.099986	7.999793	7.303798	10.429099	6.966205
17.11916	15.385612	16.420513	15.684654	21.886161	11.025098
6.931221	8.409357	7.668043	4.222551	6.077386	5.616009
0.90177	0.230808	0.070511	0.108389	0	0
16.699194	11.513881	11.751516	7.566442	9.669316	27.056549
6.723375	5.71163	6.071584	5.073136	6.463485	8.489591
4.465972	2.220121	6.080224	3.403714	5.813829	3.112511
36.178066	30.785206	34.74263	20.879128	28.909853	35.184177
2.139026	1.413307	2.968467	0.950722	2.039768	1.140532
6.945406	6.339149	4.68223	5.803939	7.557362	0.326759
0	0	0	0	0	0
0	0.082755	0	0.242241	0	26.524405
1.413171	0.993664	0.337613	0.352431	0.925224	0.542216
19.693892	17.704481	18.233374	12.636467	13.611403	19.742914
171.005997	179.04213	167.126923	149.494797	174.386536	166.249771
12.152287	12.808022	7.519125	4.773423	6.971651	12.214626
9.515297	15.846035	3.855932	4.335685	5.734486	9.644489
0.550594	0.251865	0.234123	0	0.16012	0.08771
1.782962	0	0	0	0	0.372154
0	0	0	0	0	0
4.71422	5.748058	3.052081	2.154812	3.494268	4.51456
0	0.170303	0	0	0	38.371313
12.172077	10.355816	11.300284	8.596483	9.542736	12.281401
31.966894	28.226513	28.487499	21.181467	25.958303	29.786186
0.280971	1.300313	0.115002	0.487287	0.263135	0.179252
14.635422	11.66902	19.053234	10.954562	14.527532	14.135287
136.75415	157.239182	136.725342	127.624229	143.427231	164.652985
0.305871	1.291725	0.733424	1.106123	0.849239	0.348275
24.917147	32.42804	32.427292	30.233883	29.678289	28.79707
2.437704	1.823232	1.940323	0.741938	1.490403	1.804859
24.769312	26.352617	36.892246	19.779903	25.07913	19.969604
20.552668	25.315826	31.207926	17.792337	25.863909	22.510527
0.067807	0.039106	0	0	0	0
7.199159	5.785647	3.182271	2.232128	3.715833	4.025202
10.365064	8.088037	11.17788	10.371819	10.686574	8.523186
0.880908	0.809214	1.05083	0.611181	1.315204	0.975481
9.804601	7.27561	6.619386	6.64994	5.798492	8.869703
6.6603	4.86168	5.122292	2.981079	2.881821	5.712595
27.699447	24.261308	21.102602	15.91483	17.053186	31.700995
1.497529	0.599442	1.245233	0.649466	0.949536	0.989637
0	0	0	0	0	0
0.309819	0.483457	0.112408	0.304016	0	0
0.423742	0.181656	0.424272	0.265875	0.363211	0
1.246384	1.240189	1.565044	0.417066	0.652711	2.299293
8.20184	2.760332	4.00566	1.636609	6.11911	8.267832
4.713369	9.782332	7.27022	4.914491	3.545607	4.809772

5.97521	5.620653	7.053994	5.451409	5.805036	4.136384
1.285648	1.581877	1.373264	1.450491	1.953234	2.109801
36.703217	23.536627	14.339224	9.433949	14.468551	42.321594
3.934502	3.577513	2.489331	0.844758	2.135199	8.287199
19.516225	17.051766	19.567236	12.974687	14.545937	17.387861
10.896652	9.703383	13.650198	10.131351	14.928461	7.669297
4.748592	2.277791	2.352234	0.712566	1.749618	2.76533
0.476097	0.317596	0.541255	0.196976	0.192572	0.543755
0	0	0	0	0	0
0.582087	0.623754	1.478805	1.056886	1.192814	0.489671
0.492608	0	0	0	0	0
43.334434	55.053455	53.723555	46.385538	62.057113	60.397488
0.170065	1.466286	1.640634	0	1.809939	0
0.069277	0.178791	0	0	0	0.201554
1.669052	0.923111	1.138981	1.518448	1.784213	0.12556
46.134438	40.522938	25.354107	19.029392	26.123737	51.896252
10.962439	9.163309	4.311023	3.405016	6.112265	16.691061
26.244467	21.569935	14.035399	11.790514	17.694521	19.784868
0	0	0	0	0	0
8.808298	5.613087	7.37908	5.80123	7.090021	7.61003
0	0.394706	0	0.093935	0.151425	0
0	0	0	0	0	0
1.926297	0.407677	0	0.079735	0.233857	0
4.715997	4.611404	6.064827	6.184798	5.948619	5.935606
3.017334	0.158592	0.794542	0.212625	0.379715	0
0.332354	0.098186	0.121877	0.103826	0.067437	0.082438
32.856133	35.000324	35.908497	29.197672	32.475143	38.409
14.390996	1.806466	3.216848	1.544483	3.291741	0.767711
31.345467	33.096749	31.503696	25.058158	24.287546	30.194041
8.984626	5.805604	6.29917	3.694806	5.706248	5.545444
0	0	0	0	0	0
2.167643	2.216172	1.206175	1.100247	1.357274	0.840597
0	0	0	0	0	0
0	0.095556	0	0	0	0
0.263336	0.074988	0.078929	0	0.084618	0.090286
0	0.030272	0.063618	0	0	0.096353
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0.757594	0	0	0.376345	5.420905
0	0	0	0	0	0
0.20117	0.258722	0	0.067319	0	4.360999
0	0	0	0	0	0
0.871803	9.99453	0.327703	1.0614	1.870988	0.22745
0	0	0	0	0	0
0	0	0	0	0	0
2766.132042	2661.145081	1791.125473	2392.612206	2159.797203	2497.506668
0	0	0	0	0	0

2.411007	2.165623	3.00911	3.460258	3.091476	2.946532
0.691366	0	0.133905	0	0	0
1.889937	2.804558	4.885952	3.686668	3.747974	4.926255
7122.220703	5609.86377	2526.918213	3272.893311	3142.871338	6267.851562
0.662823	0.191047	0.157724	0.118735	0.414169	0.216564
0.39264	0.16729	0.245824	0.094172	0.292159	0.445199
1.907031	1.876775	2.489179	1.345399	1.997276	2.007971
5.724297	4.001151	4.324527	3.325655	4.794668	4.400184
7.521033	10.229603	7.155082	5.840884	5.480487	8.531531
19.164976	24.175239	26.210612	16.70226	23.259853	23.247805
38.264751	34.305264	27.657915	24.46312	29.427692	32.473942
19.033554	24.224963	16.280514	15.498332	18.065876	26.749567
13.129145	13.287693	10.649308	10.308621	11.635129	10.462003
4.048487	4.083897	5.934333	4.837611	6.042869	3.95148
102.706596	19.547052	8.82179	10.106305	20.867971	57.448849
2.680464	0.565615	0.630404	0.368066	0.62701	0.46724
31.604434	23.376991	7.399281	18.084624	21.151964	30.735596
55.225544	56.830654	66.74752	49.095669	76.017807	61.479561
7.935718	7.365429	7.613137	6.523922	11.768243	3.214529
13.957578	6.566046	3.192847	4.16498	7.099381	5.937129
14.453872	11.300596	12.037571	9.947338	13.792147	10.698629
1.706797	2.573337	1.068425	0.611309	1.568763	1.520309
38.482227	24.99511	19.261908	10.193188	13.063703	29.882656
0	0	0	0	0	0.372916
8.256542	9.272932	10.756489	8.729293	8.641347	10.819245
2.475507	1.030701	2.193306	0.499794	1.157479	1.45897
2.689349	2.652407	1.076478	1.385316	2.631396	1.409888
474.233347	497.409845	367.436234	327.854804	296.924121	590.717899
1.655528	0.827515	1.527099	0	1.256145	1.962472
0	0.135733	0.172468	0	0.167913	0
5.282882	4.071713	3.406626	2.431314	5.408873	3.900941
0	0	0	0	0	0
3.26001	3.85845	3.153842	1.611703	4.674066	1.743467
0.163192	0.097962	0.118894	0	0	0.279173
75.736992	71.78923	62.33371	42.953072	66.278343	75.202484
28.118874	26.724575	25.947721	18.184654	30.346989	20.602228
16.296965	12.775328	9.549554	6.028939	10.23735	13.901259
9.799514	7.178264	13.323948	6.925126	10.6808	8.723193
23.845834	18.92626	17.681985	13.9074	22.346494	18.412512
2.567325	0.597362	0.29841	0	0.54854	0.42013
2.662138	1.286894	2.110099	1.908721	3.51426	2.034522
4.480223	4.281031	2.968968	1.576773	4.34469	1.870803
0	0	0	0	0	0
28.761467	47.25096	49.362466	106.855266	163.001716	14.240124
1.583312	0.27936	0.03317	0.076759	0.241425	1.692468
2.327536	0.900026	1.348153	1.132264	2.189167	0.232029
15.850962	13.268284	10.532858	6.074703	10.556143	9.660175
16.84175	6.360591	6.477298	12.204536	10.723214	9.375271
1.988107	1.496821	0.937221	1.375727	1.904402	4.580338

4.53206	2.629087	1.776128	2.069124	4.146327	1.577516
0.075702	0	0	0	0	0
0.733083	1.879721	0.159621	0.406177	0.536853	0.626458
3.033424	1.529392	0.102837	0.425556	0.99527	1.330039
1.739864	0.772203	0.271648	0.327666	0.389302	1.950828
8.532761	5.339289	6.857133	7.667832	9.85897	2.140118
2.623186	5.981911	8.366361	2.579219	5.651214	10.158559
0.268212	0.190577	0.166718	0.082222	0.224797	0.785017
15.944305	15.512404	20.423027	13.204714	20.73587	18.740227
17.558577	15.944929	17.140446	14.531019	22.555157	8.079003
0.301696	0.172909	0.102436	0	0.079173	0
0	0.042485	0.041886	0	0	3.083481
24.157476	28.821955	34.277579	19.387178	25.394763	22.473109
0.408513	0	0.353434	0	0.107185	0.260783
4.603238	3.93038	7.655339	4.916626	5.902895	3.418915
28.165361	28.369675	35.033619	18.285404	27.644659	31.469275
24.365898	21.057413	20.892221	21.499144	22.178051	22.560682
0	0	0.277854	0	0	0
3.793768	0.672401	0.674444	0.203972	1.347704	0.547422
20.374252	3.694471	4.399246	4.512515	4.281473	1.560923
565.029602	0.375445	0	0	0	0
10.05612	6.087267	2.70526	6.022046	7.29334	5.956899
349.55307	6.254427	5.425623	1.769416	3.664039	4.710557
2.147433	1.154698	2.328832	1.752076	2.750644	0
0.049306	0	0	0	0	0
40.07175	1.733771	0	0.619357	0.595096	0
24.548209	39.84538	30.764707	39.3281	49.837967	43.615455
551.64426	1.925634	3.357634	0.92728	1.516873	0.574927
0	0	0	0	0	0
0	0	0	0	0	0
9.660788	8.693602	9.774467	8.677305	8.496789	10.056467
35.170433	12.814236	37.02693	26.358632	14.514357	14.090583
27.956289	24.230959	23.120852	16.526903	18.899094	25.537802
0.037298	0	0	0	0	0
11.967872	12.978555	18.834122	7.308122	14.488082	8.920295
17.977486	11.522437	16.765831	10.627198	14.133507	10.789092
3.049361	2.417201	3.285043	2.411024	3.573489	2.07636
5.935579	5.178196	6.616657	4.20506	5.986821	3.489842
12.809789	10.721955	8.411321	5.202228	9.412246	8.451823
10.983448	12.350016	24.034548	10.189622	21.923231	10.034889
15.202437	16.763214	22.869698	13.74577	20.494375	13.051309
1.024534	1.344776	0.388036	0.397979	0.378624	2.928273
2.583551	0.187606	0.056653	0	0.218518	0.195895
10.145152	13.711884	9.214353	4.930787	6.837766	19.333324
15.818866	11.906257	15.492141	6.324502	12.656281	14.501462
10.406692	9.891503	11.023939	4.869038	8.056394	11.798244
16.344595	14.167562	18.575689	13.216778	16.813028	19.784767
9.874273	9.491151	10.961386	8.862213	10.360846	6.712446
3.20337	4.034138	6.690448	3.726955	3.48634	6.034069

11.035679	11.744682	17.982573	8.901264	6.520952	11.597632
79.704857	79.592506	91.02375	99.797493	81.43103	80.437065
0	0	0	0	0	0
155.154617	142.00737	110.737053	96.284279	99.52491	180.452545
38.87961	34.352093	35.38133	21.861232	26.14299	30.449862
62.341799	60.696469	48.933562	28.405721	34.831904	71.091527
15.923167	17.436415	12.815972	11.044	11.273026	17.295923
320.397297	314.012303	230.348982	209.571772	195.897722	306.321732
145.804172	167.111204	105.49423	90.704284	113.223519	137.997187
0.066475	0.252209	0.520745	0.492609	0.665836	0.350266
133.843124	158.824997	138.465149	175.494812	152.322052	171.087997
41.697411	33.318329	28.909801	24.851795	22.626528	40.957985
1.225142	0.75832	0.910805	0.67428	1.011657	0.478555
2.524074	3.061578	3.845497	2.720752	2.782783	2.906319
31.133833	18.06609	14.479646	11.480435	15.777927	16.822285
10.120066	10.079516	8.428546	7.789414	8.657577	9.521558
38.983818	35.439007	32.288162	21.541613	21.774185	50.066059
11.281899	8.928796	11.880194	8.475446	9.13417	12.096546
4.283078	4.051077	7.927158	3.516041	3.71464	4.626443
14.481832	13.823493	21.037487	12.616283	16.998377	13.231694
0	0	0	0	0	0
13.145514	12.604466	20.91647	12.65135	13.184097	14.988587
13.229463	8.921508	12.350926	8.578113	10.760416	13.219589
0	0	0	0	0	0
15.853488	12.972363	8.431048	0	9.509057	9.514331
36.327187	35.677933	36.478649	25.667999	36.266453	44.687958
13.86483	16.167541	11.661856	10.662542	14.917985	8.253853
37.847822	16.68296	34.749822	14.640867	17.590459	30.482267
34.941227	31.465363	28.059937	17.11986	23.410782	31.932371
30.748203	30.104572	21.852537	16.377008	25.938755	37.655101
19.360693	13.167864	10.066934	8.154208	9.132834	17.211315
19.022104	19.425108	17.09413	6.951418	13.191571	17.362602
0.239149	0	0	0	0.12974	0
0.105587	1.198336	0	0	0.222688	0
0	0	0	0	0	0
13.997918	11.714845	12.912813	11.60352	11.627122	12.356923
6.277254	7.364677	9.821331	7.061883	12.61063	8.90572
0	0	0	0	0	0
0	0	0	0	0	0
10.761373	15.770071	14.99179	8.781438	14.761709	15.980642
16.189085	10.007582	14.911957	8.477789	10.607051	11.017189
37.116071	29.206114	23.346815	35.042431	34.525764	49.704647
0.774286	0	0	0.120452	0.505578	0
27.159229	27.115868	32.184085	27.891648	29.274471	28.84897
19.674383	22.606224	20.417465	12.640521	13.312873	19.145149
5.805338	5.449816	3.697127	2.675841	3.098198	4.746422
0.099968	0.02857	0.03627	0.033453	0	0.068205
0.086834	0.099268	0	0	0	0.117963
283.085205	401.698395	461.181	464.938446	563.013489	344.048981

1.480619	1.318987	1.543363	1.2784	0.929447	0.638551
798.210414	382.72901	288.149606	303.443434	325.308682	570.519495
172.942487	59.465147	43.083327	52.490263	57.921	176.650606
264.025092	228.898021	188.720149	157.499591	166.820679	247.447878
255.856415	208.695709	207.970825	217.482132	231.558456	255.355789
1.83877	3.337116	2.729502	2.545972	2.644397	2.793554
0	0	0	0	0	0
42.537376	38.003101	38.463566	26.668255	40.671913	34.346233
8.092834	7.057627	9.491277	6.497576	7.59536	8.357409
0.561698	0.368226	0.075707	0.221944	0.527625	0.569324
0	0	0	0	0	0
23.074808	15.910469	9.279366	7.486541	13.723354	14.941096
27.089935	24.257107	26.067871	21.065493	22.870556	27.434483
27.318844	27.232376	28.776398	18.359076	21.793575	21.896124
0	0	0	0	0	0.371664
41.258266	35.917179	28.725674	23.44434	29.317673	40.47673
17.635293	16.613167	14.640492	12.483571	11.714572	3.044043
5.811823	5.726913	5.269825	2.198238	2.555044	11.230621
20.067068	2.640332	11.75401	1.342031	0	2.047059
28.201504	1.97137	11.131672	0.561075	0	1.368298
0.185702	0	0	0	0	1.265312
18.301817	20.705259	18.102633	10.230119	16.854206	18.171564
49.905468	54.321148	54.09549	33.036808	43.824753	53.099754
2403.456299	3410.307129	4609.365234	5563.685059	4932.503418	2778.023438
0	0	0	0	0	0
22.076049	22.08626	20.588579	13.25475	12.41386	27.491845
72.955147	68.731033	61.425598	53.421509	64.424011	62.077175
40.612522	31.390158	32.358837	27.674152	29.184963	36.711647
21.243389	21.892437	19.149614	10.723788	16.499619	19.669191
5.283437	2.387341	1.344765	0.225716	0.457876	1.934112
21.062216	19.655243	18.271309	13.151461	14.711797	18.542301
10.445298	8.607709	5.294546	3.627771	6.264057	9.290071
5.22259	5.125497	6.234507	3.538526	5.347561	5.450037
7.693168	7.407973	7.667597	4.432858	6.565614	5.349829
5.997457	5.558438	6.575084	3.911156	6.221313	5.065415
4.209102	3.44451	5.885488	3.270976	4.675684	4.35176
3.38008	3.64999	1.484227	0.974611	1.135592	1.672163
11.23751	15.375284	17.57188	8.970857	13.621653	17.696018
8.678179	9.390082	6.50391	7.010818	8.2388	9.968985
4.813618	3.097581	5.255604	3.579131	4.196428	2.842113
39.765532	36.112564	44.882548	25.900051	34.681544	41.394832
36.410641	21.950104	23.562182	14.535984	20.687383	21.430517
5.292712	4.537122	5.826873	3.179398	3.548246	6.805269
11.707559	7.532154	11.861337	5.083548	8.628253	12.694328
12.712068	9.24183	11.270908	5.881438	8.843327	9.514532
40.109314	40.769138	29.485868	24.123409	32.032433	36.652878
1.310104	0.407504	1.055811	0.649608	0.433827	1.321028
2.338738	2.305008	4.305598	4.609871	5.052785	0.701398
0	0	0	0	0	0

49.789021	54.751842	61.265774	46.43898	42.853996	54.229797
0	0	0	0	0	0
52.896687	49.600971	40.11618	30.646709	33.63591	44.221149
8.665748	6.39183	8.590758	4.5573	6.308063	5.657492
7.829154	7.374191	9.710395	6.890264	8.26691	8.485356
6.31792	9.350287	10.539629	6.885774	9.882211	7.226624
10.859259	9.921922	9.453603	7.151464	9.000523	10.250066
5.796541	4.829626	4.625313	4.738208	3.045414	3.943065
92.214058	83.512115	75.052727	66.805771	72.108772	101.595322
56.121044	50.981819	48.396587	36.586422	45.512146	57.055519
0	0	0	0	0	0
73.347641	78.026825	43.811554	45.556305	43.407005	79.468628
18.354721	14.88235	18.412775	12.04941	14.347912	21.512413
32.142757	58.295956	54.769871	56.912956	56.683308	46.920361
28.273847	26.300241	15.945707	23.397207	28.620432	28.515533
5.638693	4.430681	5.88763	4.204689	4.300908	4.606319
5.711706	6.051743	7.52923	5.132012	6.517958	6.064576
0	0	0	0	0	0
0.112564	0.246104	0.036756	0	0	0
1.308801	1.25643	1.790552	1.243121	1.129708	0.705608
15.211458	0	0	0	0	0
0	0.159104	0	0	0	37.117252
13.624465	15.943587	9.436913	7.668447	8.052726	16.44276
111.262851	64.815642	60.846506	42.694087	57.570675	67.188721
1.848947	2.037991	1.619559	2.311511	2.978319	3.641742
1.520176	0.861972	1.278415	0.459057	1.279545	0
2.540258	1.131489	0.916351	0.594564	0.99423	0.758002
0.60807	0.921302	0.189644	0.392389	0.420099	0.653805
3.952747	4.168701	4.780613	2.904776	4.96965	2.224214
26.519174	17.451362	10.35723	4.242069	7.527167	17.581226
0	0	0	0	0	0
429.918213	2647.851807	495.507477	818.325806	1075.494507	430.731964
0	0.141263	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
27.114882	22.88442	17.269571	14.284539	16.488405	22.940403
23.267326	23.735043	20.324259	12.90014	17.906057	22.617546
6.565628	11.026307	17.062515	8.528058	15.46337	11.613306
7.429172	11.717124	16.042133	12.28636	10.38561	14.53694
0.43466	0.317698	0.297975	0.084499	0.111199	0.241968
0	0.170689	0.049136	0.067526	0.199377	0
22.304422	17.707642	27.425582	13.390364	16.071804	15.602041
7.305153	3.02357	3.173541	1.842098	2.530504	5.640705
5.714956	3.223907	2.090946	1.665315	1.647244	2.594445
2.919916	0.817764	2.771089	1.252	2.975821	1.672349
5.714894	4.150883	2.910145	1.565339	1.93855	3.371352
0	0.082501	0	0	0	5.198003
5.137228	3.624185	6.235211	2.604383	3.328293	6.194286

0.243796	0.195257	0.949658	0	0.177028	0
2.224357	2.132939	2.819686	0.912247	1.51502	1.986944
3.05688	2.513494	1.903673	1.028992	1.995403	1.739472
1.572739	1.833556	2.942819	2.562554	2.101471	1.939934
4.67382	3.0471	6.545864	3.986531	4.486757	3.736441
25.06082	18.539097	23.222721	14.356188	16.158266	23.543058
23.088381	14.345992	15.555277	11.017846	13.083238	16.374884
18.271042	14.733362	12.993304	7.984912	10.607007	16.554306
70.019997	73.575226	70.969826	47.396084	62.099453	72.250404
2.487571	1.695096	1.769652	0.510505	0.515261	1.68391
19.48686	19.250526	34.802383	15.932948	25.838391	14.265041
11.064491	4.001775	2.809628	1.898533	2.255292	5.404119
0.464483	0.186892	0.059713	0	0.134609	0.39301
1.897861	1.333534	1.596443	0.635004	1.034527	1.365318
0	0	0	0	0	0
0	0	0	0	0	6.846674
4.369294	4.097754	6.57808	3.540328	5.130435	4.126624
3.386571	3.09379	3.272892	3.383104	4.37971	3.00495
2.479026	1.111077	0.97996	0.589782	0.53107	0.955968
2.171843	0.480508	0.404018	0	0.242544	0.336126
31.070356	26.777193	34.220139	19.837376	22.380371	28.695772
0.433827	0.471543	0.169533	0.050356	0.196046	0.52429
3.764926	3.145359	4.428006	2.895059	3.140301	3.708578
0	0	0	0	0	2.757385
10.875954	9.829863	18.933861	8.630085	11.163471	6.89928
0	0	0.072518	0	0	2.825101
18.407419	15.242724	19.46599	12.013407	16.565144	9.861267
0	0	0	0	0	0
0	0	0.071764	0	0	0
0.117609	0	0.093814	0	0	0.125329
0.210584	0.054581	0.227512	0	0	0.302884
10.087193	8.761545	9.428078	6.586183	7.879916	5.257695
1.863773	2.381462	3.063089	1.690935	2.145105	1.735996
4.825193	3.387434	4.473394	3.159696	4.305889	3.176107
25.675629	32.961244	37.158443	17.352114	29.883789	23.529878
0	0	0	0	0	0
0	0	0	0	0	0
7.858875	3.117803	2.796402	2.208962	3.059977	3.339444
0	0	0	0	0	0
3.138883	1.937238	3.353743	1.617712	2.207158	2.142993
0	0	0	0	0	0
18.210531	13.744619	13.548312	8.52404	9.667897	18.932547
0.420238	0.16938	0.22281	0.198857	0.191478	0.325217
0	0	0	0	0	0
0	0	0	0	0	0
1.690352	0.579085	0.581788	0.424718	0.569805	0.598909
2.09215	0	0	0	0	0
3.904193	3.330073	5.072264	1.670144	2.647927	2.774683
0.333655	0.316364	0.548779	0.38142	0.372654	0.420249

0	0.014798	0	0	0.016826	0
3.332787	2.21111	5.171244	2.643137	2.889091	2.411541
0.612773	0.439899	0.321684	0.167254	0.280636	0.619079
0.968774	1.931158	1.217854	0.713531	0.963674	0
0.573873	0.606337	1.94034	0.739546	0.822551	0.643372
10.888653	0	0.066638	0	0.271603	0
0	0	0	0	0	0
36.38604	39.799934	31.163515	19.700361	32.096024	38.514389
0	0	0	0	0	0
0.111354	0	0	0	0.038422	0.032961
0	0	0	0	0	0
0	0	0	0	0	0
8.336354	7.193943	9.575036	6.318448	8.028095	7.768132
19.891545	24.823407	30.95765	17.987981	22.125246	21.567373
38.843128	37.737125	51.848763	38.01386	48.364398	37.296046
2.781646	1.587309	2.699451	1.397367	2.027753	1.357333
14.940602	12.25736	15.690622	12.832668	16.151842	13.623333
16.794655	13.670504	11.259983	9.615848	7.86852	17.69401
4.538405	3.520706	3.925878	2.934062	3.90856	4.335404
20.687065	19.642862	27.157892	17.056725	24.635632	18.309637
1.871609	0.867766	2.312209	3.745169	3.645958	1.001933
13.075434	10.442679	10.64987	10.062718	9.926908	11.889228
33.10451	33.157181	51.336399	36.967443	42.685652	32.645928
3.95281	4.13567	4.964119	3.952651	3.760484	3.890321
5.260625	5.085115	6.541875	6.279001	6.643597	6.589698
15.835306	13.359586	17.172285	13.989726	11.222651	15.795069
4.171087	3.523948	4.054817	3.049069	3.59414	4.495452
44.312904	59.460106	47.519478	38.462414	42.614044	42.999435
2.702699	2.529193	2.422559	1.713826	1.451936	3.538216
3.129275	3.056198	5.531901	4.245208	3.484634	3.273343
15.559471	13.058311	11.755044	7.422656	8.540373	12.775063
17.299966	14.556501	19.293682	9.321736	14.090086	16.866854
6.242234	4.699613	8.888217	6.588285	5.828491	5.796156
2.38594	1.83194	2.473345	1.689059	1.986451	2.397959
7.465773	6.455755	7.963795	4.663404	6.150232	8.553413
12.512882	8.720666	12.088684	8.184775	8.021917	11.789689
8.445423	6.653535	5.054081	3.738739	4.266907	9.373675
1.974781	2.336615	2.109311	1.263002	1.846282	2.727835
6.621921	5.034041	11.214328	5.496388	6.678227	6.6864
42.858212	42.977505	38.386452	31.823465	34.691139	37.910351
1.779972	0.511687	1.199578	0.2725	0.44682	1.343183
14.465288	11.273692	13.854908	14.493267	11.346034	19.754871
0.474194	0.262543	0.099019	0.084243	0.441831	0.086095
8.957461	7.155391	11.054771	5.377473	6.605409	8.577152
4.995748	5.291368	5.290349	5.085797	5.194077	4.328928
38.822841	40.052057	43.612133	27.498606	33.200813	44.76866
5.024257	5.286063	7.662145	5.304715	6.197607	4.350832
7.358534	6.581153	7.670515	5.548983	6.74783	6.775405
0.428955	0.262821	0.227617	0.116052	0.095611	0.149101

5.262939	7.533719	9.026161	7.619908	12.713632	6.844613
15.563072	16.188267	17.883995	12.424972	15.861218	17.580812
4.284174	5.73836	2.715188	1.778321	2.932998	1.654765
24.548487	18.862207	8.63335	5.899143	9.225994	14.243066
9.268083	8.585274	9.109992	4.951182	9.904647	9.482432
1.513516	1.293934	1.445299	0.569457	1.233704	1.573817
0	0	0	0	0	0
0.098656	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0.100942	0.064909	0.263423	0.304009	0.476531	0
0	0	0	0	0	0
0.203842	0	0.059724	0	0	0.167714
0	0	0	0	0	0.164252
36.225002	37.057678	35.356461	22.107611	31.041517	31.839062
0	0	0	0	0.068137	0
0	0	0	0	0	0
0.230739	0	0	0	0	0
0	0	0	0	0	0.048668
0	0	0	0	0	0
0.157424	0.04562	0.056608	0.026798	0.026199	0.123979
0.837256	0.61797	0.859894	0.502472	1.552325	0.149251
0.146561	0.057997	0.081808	0.037074	0.056505	0.065842
2.727723	2.544858	3.42536	2.372701	4.71819	6.210031
0	0	0	0	0.051061	0
0.161461	0.077027	0.135126	0.112542	0.057	0.132893
3.020279	3.601078	8.262299	4.990147	5.668139	4.554173
0	0	0	0	0	0
2.147643	1.173508	2.09057	0.949038	1.698506	1.345248
3.048707	2.475017	5.094792	4.782378	5.499431	2.049026
0	0	0	0	0	0
16.899776	13.737355	13.749502	7.694461	9.432403	17.422649
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3.306752	2.367556	3.019653	1.698319	1.904584	1.407693
0	0	0	0	0	0
0	0.111287	0.162459	0.077487	0.059001	0
6.953767	7.3287	12.122144	7.695422	11.52206	6.401855
1.834564	3.08036	6.21159	2.956463	2.101339	2.443099
1.870933	2.41589	3.455917	7.513455	7.307806	13.467016
0	0	0	0	0	0
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0	0	0	0	0	0
9.432888	4.055964	12.213339	11.132335	5.721944	6.605418
3.969796	3.469103	6.551631	4.279995	6.667971	2.907367
14.378602	9.162868	15.582834	10.691945	15.230956	12.421455
123.824295	181.446084	190.962771	187.353216	179.15941	198.919563
4.440585	3.907243	3.734614	3.157826	3.863259	3.263881
109.762354	74.101041	201.550916	68.319454	109.288294	93.187088
36.539996	38.344778	46.25185	25.026071	39.141959	41.752679

29.448267	22.826136	21.763411	29.194492	19.234848	24.450523
10.534975	11.376827	8.582677	6.384841	8.415192	10.68679
48.872194	37.863517	38.36436	30.380927	31.778754	42.339021
10.963978	13.265187	13.130126	7.501111	9.88921	12.459892
33.628529	32.482281	15.544307	16.395031	13.44492	32.512146
41.270458	41.917034	32.548962	28.554251	30.229971	48.796761
0.695066	0.393292	0.688697	0.4559	1.25777	0.171952
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
7.479734	7.686894	7.368773	4.230653	6.341927	9.332891
4.680941	1.972711	2.024248	0.745998	1.414289	1.771558
1.78097	1.027352	0.76436	0.439957	0.940782	0.504556
0	0	0.153487	0	0	0
0	0	0	0	0	0
17.157104	20.054774	15.195494	9.593704	16.71541	13.929402
2.570204	0.491829	0	0	0.323093	0
39.530083	35.270897	30.926136	24.995789	25.154968	36.405827
40.457279	40.790352	40.40934	28.666323	33.555695	40.907822
0	0	0	0	0	0
0.265453	0	0	0	0	0.521305
0.14043	0.110299	0	0	0	0
3.449441	4.814485	10.101624	4.904209	5.754157	4.046191
1.396751	2.269369	0.803843	1.272036	1.810374	0.458189
4.807962	1.676394	1.105547	1.388297	2.669525	14.55296
37.8722	41.590782	34.664959	25.258671	31.459686	38.282402
2.404451	1.778341	2.053197	0.820987	1.00626	12.154436
15.298806	10.744833	12.703093	6.617118	10.802027	11.720409
1.560298	0.688931	0.513073	0.413028	0.543343	1.312573
1.011072	0.486973	0.206761	0.125357	0.210092	0.581913
0	0	0	0	0	0
88.449814	77.042221	80.628319	62.114662	81.060226	105.995781
85.682266	97.908073	71.018845	59.294117	81.923332	84.878639
14.621471	13.021028	9.53805	7.418568	6.774647	14.819284
0.151942	1.037845	0.35796	0.266429	0.482671	0
129.751912	121.863983	110.382996	72.50147	114.984048	110.25062
12.134866	14.205861	16.887063	8.655298	9.931954	11.065001
17.079777	3.747264	2.652103	1.891494	2.573282	9.265333
10.24705	4.229023	1.365915	1.416007	2.037002	5.692173
4.682666	11.72906	5.035352	9.144029	9.0156	56.37504
19.357426	30.24762	28.87455	21.639305	30.118795	23.643141
0	0	0.045098	0	0	0
228.907257	346.992401	271.64859	232.00145	230.308182	315.731903
0.324087	0	0	0	0	0
0	0	0	0	0	0
19.546143	18.256102	17.383038	12.571636	16.296227	15.35934
18.22962	12.837891	17.075195	10.812334	15.781118	7.866168
1.667311	0.693979	0.318385	0.273066	0.592691	0.469744

0.734622	0.596438	0.772545	0.423662	0.470046	0.394835
0.167349	0.22693	0.12382	0.057101	0.074185	0.129355
20.043903	13.683933	16.043173	10.975357	11.536365	18.265669
11.059505	9.484038	9.428181	7.44791	7.003073	10.456835
23.615046	22.687782	26.115739	20.17452	22.931	26.234472
11.446843	12.894685	10.93882	7.273431	9.907325	13.676543
26.628981	15.612113	22.011302	12.844718	6.383316	12.820697
0	0.044913	0.22807	0	0.152868	0.07148
0	0.167775	0.039207	0.054976	0	0
0	0	0	0	0	0
1.358216	0.763062	1.359695	0.156984	0.501107	0.292161
0.079662	0	0	0	0	0
0.808274	0.281201	0.465263	0.585169	0.16705	0.198845
12.978828	32.650444	8.894552	6.989155	11.219092	14.741861
32.88308	33.403885	42.227619	31.783342	31.503477	44.368122
2.801244	10.060779	2.628642	3.572953	6.186458	13.200267
12.389844	7.81122	9.381365	6.886252	7.737223	8.690202
11.775708	9.057037	9.820242	5.969377	5.834527	16.243219
0	0	1.030693	0	0.457671	0
0	0	0	0	0	0
1.245206	1.263547	1.44824	1.137669	1.680035	0.730638
29.021013	24.365362	25.970003	19.360718	23.209459	26.537724
2.191041	1.285452	2.534589	1.537333	1.567361	0.441156
34.890594	34.515614	28.949068	18.245018	19.992596	38.250435
7.110851	3.231611	10.275314	6.836809	2.117061	1.196634
0.495926	0.232479	0.323604	0.116461	0.32511	0.254622
6.19782	6.338545	7.515919	4.038633	5.618559	6.815836
9.603022	8.022185	7.738661	6.945811	6.504637	7.776822
0.054526	0	0	0	0	0
2.543324	2.593333	3.935521	2.992508	3.066569	3.413635
0	0	0	0	0	3.654994
3.335782	4.49875	5.156287	3.177634	4.729596	4.712367
0	0	0	0	0	0
0	0	0	0	0	0
0.080918	0.679907	0.264357	0.43	0.079419	0
1.037019	0.913519	1.433137	1.118418	1.48576	1.323773
10.639976	13.083926	13.169089	9.976796	9.583819	14.194801
2.769084	1.696381	2.2525	1.327601	2.609371	1.319556
0	0	0	0	0	0
11.701628	11.761361	16.558537	12.487602	15.513054	10.248741
0.82548	1.081601	0.476775	0.448096	0.728395	1.065802
0.375081	0.603876	0.500092	0.10767	0.439297	0.629466
1.976933	1.109349	1.45996	0.71293	1.32496	1.224788
12.017499	9.585966	8.874042	8.371286	7.894705	9.9859
14.784849	16.715851	10.828607	10.680625	12.488891	15.422934
0	0	0	0	0	0
6.31417	24.763189	0.360961	3.19074	5.408199	6.627589
4.072072	3.753118	5.59266	3.937886	4.956535	4.196621
2.954975	3.287363	2.773576	1.516764	2.090374	2.321357

0.735757	1.644391	0.97896	0.292675	0.201075	0.968854
0.866556	0.744007	1.436792	0.719262	0.410518	0.778289
7.507259	6.050284	8.762843	7.148398	9.562758	6.642293
14.260126	16.235577	15.656873	15.648773	14.475698	19.484354
0	0	0	0	0.073752	0.025635
15.094855	14.195691	18.016378	12.965006	7.02155	17.231306
0.617408	0.449141	0.505035	0.219796	0.254318	0.138277
15.661819	15.44113	20.42846	13.464178	16.248979	13.46542
12.169534	10.548526	11.216125	5.867054	8.826172	11.200053
9.054896	6.855589	5.718771	5.067268	6.252103	5.205944
5.677193	4.962172	9.079477	5.092694	5.881096	6.159969
5.828582	4.233491	2.988768	1.846493	4.323069	3.947382
0	0.215309	0	0	0	0
11.549153	9.81721	9.958447	5.077837	7.211796	9.479221
5.630328	4.309076	4.945728	3.261011	4.118917	3.898725
4.346587	4.231978	6.991487	3.777048	3.999932	5.968572
4.634415	4.268713	6.014	3.113472	3.634151	4.183337
5.035805	5.090256	5.98216	2.45221	6.259059	3.184338
3.650375	2.867582	3.705349	2.276861	2.145873	3.6432
5.498597	4.963837	5.639283	3.548908	5.032443	5.203598
4.266851	3.362157	2.55758	1.206154	2.783065	3.828279
0	0	0	0	0	0
0.379386	0.122537	0.511451	0.227374	0.21581	0.162082
17.627859	19.170834	15.776128	12.38898	12.634962	16.39595
0	0.039444	0	0	0.074353	0
0	0	0	0	0	0.346932
4.141615	4.396103	5.556115	3.538265	4.707659	2.804274
5.881116	4.841205	11.191078	6.004275	6.113645	6.663679
3.328715	7.129087	7.005948	5.558055	8.573671	6.759799
0	0	0	0	0	0
1.173996	0.290425	0.717741	0.586256	0.602301	0.917037
0	0	0	0	0	0
0	0	0	0	0.075472	0
1.886801	0.008914	0.007551	0	0.003668	0.003571
0.58374	1.740978	0.035168	0.647173	0.317005	0
8.192196	5.435432	6.79717	3.233081	4.882971	7.860126
38.675472	346.009521	6.550518	31.772745	38.849197	23.083395
0.862154	0.511994	0.406121	0.124805	0.462033	0.95993
15.796313	20.11121	16.698797	10.840918	16.143837	18.850376
26.433817	26.295438	25.715226	14.974582	25.827062	17.437618
0.051176	0	0	0	0	0
275.793335	254.472672	218.959167	135.895569	173.00235	277.588501
303.859985	293.112854	192.123215	125.447067	154.287338	312.208466
199.483917	200.684448	138.254242	84.009583	105.608521	229.790604
0	0	0	0	0	0
0	0	0	0	0	0
55.41021	41.088215	28.107861	15.066893	16.869804	47.238091
4.928542	0.085791	0.115548	0	0.154896	0.397873
0	0	0	0	0	2.498014

0.07434	0	0.219812	0.189369	0.392308	0
37.751884	35.984493	12.404924	8.493457	11.977473	22.311241
0.128841	0.275859	0.039172	0.216778	0	0.234248
15.972879	11.760045	4.601655	3.730432	4.80568	11.914717
27.669033	17.298035	13.850269	3.556817	5.383232	31.822485
1.084411	1.486545	1.787948	1.395063	3.924665	0.317483
105.629547	91.888985	68.92482	37.140083	53.130684	139.03862
372.771423	366.410614	358.667664	230.620041	278.274139	418.373657
111.802689	78.471695	61.177143	42.554062	60.294533	123.209854
4.903725	2.018942	2.829681	1.279132	2.168266	4.268095
1.470524	2.269339	2.835784	1.62564	2.27107	2.004941
20.412941	21.722013	20.290159	9.831107	16.58486	25.116257
1.339386	0.939762	1.813105	0.576554	0.292748	0
8.556123	7.78758	14.649674	9.479635	11.473376	6.431667
12.86072	10.693547	14.860813	8.793208	10.104539	11.340211
6.763314	5.176177	6.202617	4.283267	4.724517	3.2398
2.60697	1.99646	4.104521	2.757155	3.846793	1.949055
3.804215	3.074715	4.459856	2.194542	3.60634	2.921844
33.922409	36.551546	26.689712	17.600166	22.311842	42.000136
5.482563	4.922862	5.373098	5.574628	4.669061	9.225012
7.574651	4.719075	7.383631	7.330693	5.282368	5.47636
0	0.194729	0	0	0.11096	0
0	0	0	0	0	0
12.162293	14.736165	15.061915	11.189149	15.610501	12.763313
5.003274	4.407516	5.001715	3.672938	4.869074	2.979767
0	0	0	0	0	0
2.552945	2.877514	3.38423	2.113895	1.84933	3.638723
17.43306	19.068281	12.09731	9.684733	12.879126	18.534443
36.48288	35.606705	49.811649	40.325718	53.1078	40.702393
0.576699	0.241323	0.357362	0.141439	0.069139	0.176227
12.189417	13.773232	20.227442	9.796407	12.631964	11.869029
2.524751	0.500894	1.758777	0.483062	1.312663	0.996693
38.193413	43.767807	33.432396	32.800564	38.414337	36.857216
48.233337	33.231289	30.20348	18.106934	27.678656	45.438263
42.115425	35.74144	29.819118	19.507683	22.791327	34.624912
24.658562	36.351933	40.029984	34.379875	43.243786	36.605835
3.464426	4.685697	2.663574	2.531568	2.266061	3.23326
17.760246	9.975967	9.674716	9.216269	7.520381	15.283275
14.367863	15.576429	18.68004	11.960591	19.935205	13.968216
0.370965	0.221309	0.820256	0	0.095478	0.712982
19.63445	9.049761	18.005627	9.68556	14.657671	9.06642
1.352708	0.029244	0.111209	0	0.033476	0.127058
4.00575	3.912032	4.857466	3.937507	3.697092	3.273162
511.953186	529.95459	371.320099	386.700348	363.948914	721.309814
115.23774	140.007202	74.83902	66.114487	65.763901	124.840439
12.845096	11.396144	11.617227	6.30089	9.539808	18.915715
68.956818	75.496101	61.713936	54.443661	57.8381	75.730988
32.382008	31.189129	25.658781	16.814638	20.968815	30.334589
5.393596	3.476953	3.0908	1.734505	3.616425	3.971023

191.973206	170.246872	143.646622	156.890808	141.41185	213.626022
0	0	0.253684	0	0.067438	0
92.027451	102.089217	90.082449	64.789449	82.715622	106.634094
0	0	0	0	0	0
13.220798	13.163047	14.888705	13.19119	12.965894	13.682512
124.732304	103.678097	79.211303	30.63623	61.593238	88.146883
42.951214	44.750931	35.774876	42.614079	36.807503	43.533817
103.470826	87.558153	76.889437	57.94066	68.069765	86.482791
5.837492	6.789313	5.940914	3.591824	4.02052	6.266734
43.259056	39.291143	34.115861	22.578535	27.516245	51.247562
12.761685	9.610609	8.742932	8.257629	5.942285	11.144554
3.873876	3.847262	7.080313	4.156834	4.98949	6.414185
9.597403	9.008337	11.843356	6.778135	10.117896	6.9273
0	0.399061	0.126468	0.283006	0.332792	1.882506
13.161934	11.906941	9.554073	7.081809	7.832932	14.48454
1.038279	0.840863	0.414651	0.395032	0.547919	0.860076
0	0	0	0	0	0
2.238606	2.290586	2.027707	0.638512	1.45649	2.876065
592.352051	516.314148	358.532227	282.061127	325.608093	549.529358
0	0	0	0	0	0
12.264322	11.6637	10.349569	5.072385	7.221591	10.512413
9.405445	10.067089	11.523905	6.836234	8.860312	12.376307
1.235047	0.866406	1.337516	0.605274	0.709758	1.147723
10.401369	9.341361	10.996714	9.912934	9.439169	11.878014
108.166502	108.410614	89.411881	75.729807	73.898017	99.7189
25.468817	21.959436	20.272797	16.765955	21.078049	18.713127
85.40855	82.959431	85.53049	57.384644	65.912301	86.717503
7.136636	4.766153	8.570003	5.863717	6.257502	5.546604
0	0	0	0	0	0
16.951956	13.163136	18.776384	14.212668	20.565413	14.597872
18.776397	18.310072	16.867662	9.351428	17.410047	13.466354
32.324577	22.238789	28.790157	17.963083	29.062643	35.922596
71.75438	77.111	77.327863	56.06984	64.619222	89.946323
0	0	0	0	0	0
63.203152	60.958584	50.964737	47.414383	44.852608	71.573433
20.999513	18.202054	19.527002	22.098842	24.190047	15.991873
38.084141	26.947849	20.928209	16.710674	25.018339	25.970774
1209.02124	1663.622925	2040.193359	2375.22876	2081.595703	1566.914429
1.537697	1.869004	2.069522	1.771026	1.66241	1.486744
11.161739	5.920608	5.776743	3.109289	5.362689	7.299353
12.238372	9.949554	9.741033	6.507914	8.925804	10.581267
20.616714	20.137327	17.451693	11.747974	16.661434	22.562601
36.613647	37.486603	33.493744	29.750565	37.939957	36.000469
35.34153	41.767452	22.864655	35.667522	39.668163	60.43433
21.834282	20.280575	18.592881	15.391699	20.592565	24.669098
0	0	0	0	0	0
19.606522	17.668644	22.452934	13.052669	17.312147	17.720173
38.999996	31.254562	48.009638	31.338547	45.527179	35.234207
0.077219	0	0	0	0.101051	0

8.813888	7.177432	4.885525	2.743714	6.112412	5.219494
165.410477	182.270309	181.292404	213.392883	182.876343	216.862503
342.386566	356.201202	283.476074	249.294327	282.770477	335.365784
1.850602	2.433357	0.234668	1.052161	3.016921	4.967803
31.880632	32.433014	26.975655	26.184166	26.456816	38.240562
82.007729	76.436859	87.151001	90.811554	96.612068	74.933006
100.966301	98.143105	67.435394	49.053547	51.40239	135.089813
0.689124	1.518715	0.628387	0.527631	0.560183	1.830371
23.412058	16.820446	14.163211	11.22924	13.91497	13.486387
45.203178	40.905678	32.746662	29.839447	32.799915	46.047878
0	0.080655	0	0.094438	0	0
68.467293	61.022678	69.194466	73.155052	66.160126	72.626709
0	0	0	0	0	0
0	0	0	0	0	0
26.858532	27.342138	23.798449	23.315781	22.687799	28.249195
12.232218	13.187214	16.216475	15.510386	17.51461	10.537797
26.706633	26.156637	28.933752	22.867037	26.713934	27.637726
43.371929	37.249607	24.600203	27.598209	28.432779	42.504555
11.667625	13.17279	11.871388	10.891932	11.976234	11.292579
46.768044	42.69519	33.056526	19.628605	26.560534	36.525715
18.698243	17.331358	18.666877	13.813372	17.977225	15.575152
64.194368	42.305161	69.408616	51.514092	55.950981	63.44399
16.89286	12.574475	14.301412	10.459263	11.053785	13.221351
16.732264	15.096926	12.268905	13.013704	13.586101	20.688919
20.483534	17.39526	13.534049	12.770059	13.079434	17.314562
54.19698	46.239269	34.550339	24.718693	29.02441	46.40292
39.485451	30.058111	16.374895	15.534607	24.052542	35.03598
51.381143	42.8874	47.702318	22.537799	38.85606	125.226486
21.451893	18.379978	13.603071	11.495408	13.367168	20.275892
8.757465	9.418367	12.685587	8.563468	12.634355	9.474369
34.769489	31.257849	32.459408	20.68363	27.586061	32.263893
11.227732	9.686683	9.066693	7.452623	10.786202	9.736469
0.587212	0.139961	0.196874	0.170327	0.74248	0.555067
64.278236	57.945953	42.040146	38.121555	44.78603	52.36105
163.644608	159.529739	93.990822	82.320312	89.635681	186.332474
10.578436	12.276664	13.466116	10.439169	8.164556	12.787831
0	0	0	0	0	0
30.510513	28.338335	27.908882	18.17415	26.251455	33.429592
4.207219	3.645961	2.944407	2.780736	2.786299	3.849246
11.34563	7.35247	7.242398	8.485717	7.45875	8.227774
43.094353	43.606792	36.784954	27.87291	38.21925	43.757435
11.288117	5.8432	6.201956	7.608396	6.741345	6.549761
17.953953	15.805568	23.136761	12.54294	19.39992	14.728214
12.303671	10.544829	12.517506	9.030759	9.616967	14.284532
9.314652	7.723022	7.374116	4.21167	6.645784	6.486794
13.356648	14.463289	17.410936	11.332269	15.675734	14.876797
0.966905	1.85393	2.505429	0.880691	2.364369	0.789214
14.281665	13.097889	8.877744	5.583459	7.797803	9.613439
5.483213	5.336713	5.711092	2.857667	4.624383	6.56038

24.331938	24.344852	21.29178	14.503974	17.345394	26.183527
19.192237	14.4232	21.116484	20.248132	20.946558	19.449433
0	0	0	0	0	0
59.967274	57.537174	41.222126	36.099594	42.64642	55.937439
22.956999	24.092247	24.179964	15.769925	23.240595	24.282827
10.818754	7.719533	8.13426	4.82796	5.801473	11.20208
14.166969	9.700845	15.371686	9.384868	13.238193	9.759419
6.558302	4.84034	5.03656	4.495476	5.329433	2.93358
2.93384	2.154188	3.349618	1.757685	2.131709	2.833343
7.919468	26.14214	43.792987	30.169453	35.054298	6.488617
28.097498	28.77749	17.162712	19.652211	19.783343	28.003183
11.593	13.622428	12.982295	9.012391	11.973126	12.846148
0	0	0	0	0	0
35.429604	37.144947	35.253941	24.013037	26.493589	39.492126
0	0	0	0	0	0
2.921357	2.070208	3.980864	1.973618	2.531998	1.675121
11.167632	6.749306	18.317345	11.224546	15.907519	8.466025
5.94631	4.848057	7.023221	4.368084	6.016446	5.015839
10.384982	9.417597	12.230328	7.967778	10.875688	9.503627
9.476549	9.638885	17.814124	12.060729	14.049906	9.408524
11.983305	11.65502	14.474216	12.250649	12.628373	14.848362
24.313524	28.858849	32.426838	18.018299	24.689602	30.613464
15.562754	13.719654	16.224344	11.250282	13.222368	13.941172
20.436781	26.669425	37.451972	16.044244	33.951069	38.293051
0	0	0	0	0	0
197.079865	251.816284	231.56192	240.059128	226.736389	207.986786
0	0.078612	0	0	0	0
0.980467	0.715362	1.413153	1.000915	1.395486	0
7.246112	6.585618	7.493086	6.256633	5.301348	9.59249
1.344347	1.202077	1.688075	1.076984	1.367128	0.897788
39.278706	29.807289	28.609713	22.670223	25.14467	28.408009
39.757397	42.412373	53.719872	48.629658	54.309513	44.425373
5.949677	6.305929	9.314988	6.628147	7.566654	5.62466
7.909737	8.522054	7.736423	4.8422	7.012131	8.733557
20.862772	13.136885	2.992882	1.374884	3.178265	14.129483
0	0	0	0	0	0
71.364914	58.522938	41.118599	48.853951	34.590492	70.824036
4.63728	5.573975	3.196954	4.371731	2.885146	5.602994
22.549598	17.336615	12.552461	12.465877	8.50192	18.991782
15.337339	14.509826	19.534773	14.094918	18.324942	18.820442
48.27573	43.854977	37.43322	31.669983	31.580996	56.384342
20.816822	16.043886	18.577114	15.88764	18.492451	15.935788
0.576009	0.185152	0.666487	0.302806	0.221977	0.359772
0	0	0	0	0	0
0	0	0	0	0	0
3.088901	1.409182	2.311878	0.226431	2.040962	1.443623
0	0	0	0	0	0.139413
0	0.118922	0.368594	0	0.453168	0
419.104004	329.74408	306.672852	130.29245	182.126755	337.914062

1.003937	0.053243	0.193683	0	0	0
1.924284	1.962406	3.110059	2.163319	2.055733	2.265781
108.581161	106.769463	119.367836	121.44278	129.859253	135.8535
32.032977	26.27167	29.735117	22.917235	24.562547	26.116733
5.711561	4.904057	6.254017	5.119036	5.199825	4.299787
15.639009	12.569846	10.161138	8.572141	8.750736	14.271234
2.793094	1.76053	1.511404	1.886712	1.048599	3.270496
24.892035	20.514133	18.876549	15.660607	17.369097	24.049578
25.367062	13.363878	13.904214	11.365353	17.265532	19.89481
48.175224	56.271355	66.544136	54.35397	62.486691	68.541603
17.198631	18.101017	16.19772	14.168372	16.65691	18.828365
2.989167	3.286889	4.850495	3.438187	3.758592	4.15904
24.085346	24.334147	15.575448	18.009867	23.373554	17.343574
0.283268	4.146803	0.204973	0.117528	0.300034	1.998969
0	0	0	0	0	0
0	0	0	0.306452	0	0.873609
0	0.020315	0.006877	0.332875	0.023254	0.895488
4.102598	5.118729	3.090959	1.216341	0.561498	0.466741
15.518305	15.770013	11.441122	0.891589	3.700778	0.782456
14.65792	3.169175	5.639481	2.485475	8.096773	12.129242
0.187884	2.345083	0	0.05515	0	6.087843
0	0	0	0	0	0
0	0	0	0	0	0
0.466752	2.280668	0	0.108133	0	5.250208
0.428875	3.228163	0	0.089549	0	0
0.815283	6.298842	0.179506	1.083507	1.454528	13.320934
0.449684	5.817235	0.294334	0.980299	0.498372	0.213941
2.257183	15.564688	0	1.248057	0.900894	1.648416
0	0	0	0	0	0
0	0	0	0	0	0
2.134065	20.629021	0.529243	1.483931	0.849648	0.465714
0	0.821573	0	0	0	0
0.75132	8.815263	0.125246	0.069496	0.712451	0.581245
0	0	0	0	0	0
2.432983	2.295521	4.253242	1.819788	2.80169	2.05829
13.371318	12.596338	10.806292	6.353088	6.726429	16.958115
4.174594	3.867952	6.684245	4.218701	4.291263	3.660438
9.958699	6.781272	11.821804	9.60094	10.67727	9.347535
28.410856	32.252834	37.064198	32.163151	38.347412	29.762188
12.254602	9.141585	15.482613	11.070936	9.82568	9.965964
2.565995	1.287401	1.426759	0.7433	0.623135	1.631204
8.07757	8.175224	12.758072	5.352489	10.854186	6.557386
7.852369	4.423843	6.387571	3.174411	4.702144	4.098852
7.073317	7.256609	16.501812	10.8247	13.649627	6.910594
0.311422	0.063702	0.445335	0.463549	0.287084	0
4.145257	3.310071	3.430482	2.891718	3.379684	3.760072
0	0	0	0	0	0
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17.590723	18.610867	13.869746	9.922557	10.32091	21.748945

32.582325	40.418182	32.526268	25.446484	29.11801	49.758926
10.228258	13.223479	11.846298	6.488775	10.559269	11.587884
1.571776	2.533498	4.64468	4.579368	7.419943	1.089366
0.333418	0.496284	0.31968	0.223636	0.540094	0.323703
0.075266	0.054853	0	0	0.018345	0.057771
2.742794	1.98186	1.773743	0.994512	1.863634	1.050812
10.644185	10.525612	17.482761	9.89134	14.286319	13.717297
2.199117	0.364009	0.309314	0	0.908981	0.437606
32.27898	32.385258	29.434649	20.367023	28.508389	41.76408
1.097097	1.268183	0.304411	0.133897	0.786676	0.443682
24.189465	40.690865	42.755775	30.063675	57.17606	36.816277
0.395468	0.020249	0.064146	0	0.079637	0.113973
0	0.206508	0.038896	0	0	1.793096
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0.143792	0	0	0	0.093521	5.045639
110.936871	86.25544	42.225964	26.98798	39.627941	56.473587
0	0	0	0	0	0
8.143764	5.815316	4.345829	3.489423	4.397853	7.303454
8.694676	8.664197	15.21698	10.004806	12.496707	3.849184
2.715668	3.042156	4.867715	2.477014	1.635635	0
12.948304	32.247303	2.086087	8.91522	8.656823	4.806375
1.340222	4.580559	0	0.349506	0.340058	1.140595
25.474506	21.303761	24.335892	12.244292	16.921989	21.29135
11.108541	7.959032	8.013473	8.652939	10.921101	5.858002
40.936249	35.094971	35.856003	24.067558	23.320312	29.297726
25.966202	16.357052	18.718943	13.11741	16.296776	12.279849
0.846279	0.199295	1.621842	0	0.559068	0
1.580616	0	0.527957	0	4.423055	0.204816
0	0	0	0	0	0
0	0	0	0	0	0
0.888384	0.987729	0.853061	0	4.270614	0.353141
0	0	0	0	0	0
27.761249	27.919008	21.561008	24.712918	28.559586	49.563591
0.372133	0.115549	0.15439	0	0.28336	0.432462
1.160182	2.713042	3.538769	2.465766	1.80955	2.505879
10.096819	11.557839	10.984725	7.351028	8.506901	11.275321
469.254486	600.96637	431.575745	558.092712	459.797791	558.830688
45.205265	53.849224	39.456596	33.806076	43.875652	43.532139
575.08728	630.648499	460.201202	507.440704	461.755219	672.493286
337.280365	358.156342	256.378784	241.169617	248.610779	394.349213
245.102448	148.345261	107.766312	146.200256	124.254478	181.285095
99.817856	95.759224	81.062485	53.184181	62.387688	117.265656
59.775288	59.477642	60.294579	64.491219	53.207245	77.764267
85.367607	83.479553	64.720573	66.789818	61.953697	119.126625
694.930908	800.431519	690.435181	791.255066	869.23877	1019.77594
477.283539	630.587891	407.606171	560.952209	457.836731	612.046265
0	1.141171	0.253175	0	0	0

2.804829	26.094746	0	2.746265	3.919071	1.722987
5.031161	4.4111	4.442839	1.870445	3.014802	2.813563
4.514974	2.988025	4.757218	2.807633	3.407176	5.065671
10.960374	1.794731	3.339505	1.095306	10.757001	1.25869
8.909046	7.165159	10.954832	6.751611	8.187663	7.613547
23.317642	20.069586	21.549925	14.569015	19.590799	22.873945
1.218803	1.392303	0	0.727376	0.066272	0.493187
25.648161	29.066551	20.621181	15.984185	23.533224	26.252552
13.233025	12.449932	7.350945	3.921934	5.77668	9.800787
22.093689	21.566944	25.236971	16.297091	22.01753	22.94206
67.74847	92.689941	149.191818	124.775538	146.461243	82.886558
60.983428	65.128575	59.881158	50.127964	59.716554	70.165075
41.684708	42.226318	37.42593	29.655804	36.203117	36.502281
0	0	0	0	0	17.941298
0.071639	0.081897	0.086639	0	0.069999	0
0	0	0	0	0	0
2.90183	1.23856	1.630556	0.534362	1.47595	0.839129
320.526306	339.474854	309.186066	303.632599	291.345306	439.537506
34.377899	29.199894	25.020777	20.451258	23.955807	31.375673
12.287704	8.664783	10.132606	6.102529	7.280983	11.003463
26.41173	25.610939	25.413706	14.385445	17.303312	27.701748
4.609159	4.612019	8.013058	5.002778	5.802919	3.257899
14.99029	12.078189	11.659767	8.275986	12.376604	11.392965
2.485284	0.274622	0.569745	0.418821	1.182313	0.20466
9.439259	7.049391	8.618109	7.626598	6.251812	10.291578
3.883559	2.745428	4.674496	3.547246	3.536086	3.232892
16.615721	10.888326	14.417655	9.765858	11.542152	13.971834
0.36651	0.196484	0	0	0	0.512061
0	0	0	0	0	0
0	0	0	0	0	0.098502
0.114771	0	0	0	0	0
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11.218749	3.845146	0.375822	0.314081	0.889644	6.726097
27.663533	22.744566	29.567044	16.905919	25.751047	21.942347
3.486251	1.14851	0.660316	0.313617	0.768156	2.017766
5.420207	6.937385	10.812964	5.094768	6.382454	7.214458
15.957518	18.058199	23.136984	13.477876	16.809584	13.533029
22.966455	25.32535	43.98056	32.338531	36.526737	27.558943
5.575174	4.39634	5.879948	3.644784	4.079656	3.859485
9.904479	7.716231	7.946187	5.737339	7.068581	8.200082
0	0	0	0	0	0
1.140757	1.085886	1.85007	1.082731	1.804223	1.437743
4.722941	4.945858	7.342902	4.543576	6.264171	4.938941
0	0	0	0	0	0
4.977126	8.030456	10.071754	5.792404	8.235832	4.401322
9.056764	7.652116	11.858352	7.779028	9.872557	8.644156
3.016701	2.577358	3.064422	2.071585	2.381242	2.509908
4.548799	4.301623	6.92871	4.137594	5.014271	4.964941
12.503255	10.558001	16.238492	11.133906	13.713359	8.37303

9.143806	6.428873	7.138084	6.09746	7.369521	6.161803
3.910865	2.805126	4.799331	3.541912	6.105162	2.284628
16.169796	12.029941	16.352646	9.962594	11.559549	10.20018
3.492473	2.851775	3.791875	2.804182	3.273415	3.258449
7.034791	5.268208	5.998121	3.232578	4.734227	7.288373
22.52606	20.833195	18.070658	16.531055	16.633511	26.079079
25.156952	22.409851	19.755283	13.589197	16.99239	20.64958
5.312699	3.442694	5.043835	3.742781	3.806035	4.174462
5.496838	4.103176	5.441655	2.572126	4.970957	4.214211
0.34024	1.139378	0.589208	0.702294	0.730288	0.657047
0	0	0	0	0	0
4.27414	3.449489	4.448471	2.97534	3.261117	4.043822
5.123818	4.53788	4.064329	3.561109	2.667687	3.377485
20.277789	16.716743	19.537743	14.666395	17.613474	16.571426
16.732071	14.598857	19.845427	13.531855	15.807622	9.084739
1.633014	1.191802	2.2193	1.289628	1.473155	0.890378
48.95388	43.143734	43.287491	32.130886	35.902592	45.39156
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1.555174	2.011578	4.522421	2.790758	4.248482	2.090539
1.864533	1.727948	4.444057	2.787218	2.874115	1.950651
4.527833	5.686836	8.431656	5.760201	7.142498	6.555216
28.693249	23.466785	27.348808	19.891171	23.060175	24.21166
12.398025	10.516536	16.703751	11.064201	13.655854	8.562499
6.609713	5.632065	6.432638	4.772093	7.018723	7.02319
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16.46595	12.396697	10.192273	8.184619	9.281803	4.968062
1.527983	0.580297	0.328388	0.510133	0.478125	0.494376
0	0	0	0	0	0
65.67012	72.484482	67.065468	72.233231	61.422245	82.410797
25.050465	21.496147	21.627678	15.228879	15.526322	26.228685
0.571332	0.505582	0.746522	0.639746	0.53737	0.932021
8.430206	8.108119	10.037426	7.21837	8.057301	7.863422
19.543348	17.710846	13.619346	15.14246	13.247437	24.033989
4.792152	3.948058	4.601111	2.816986	3.565925	4.972286
5.696579	3.785493	4.803079	2.218466	2.711542	3.44468
52.449398	40.734665	38.359638	36.218941	34.853252	46.943356
20.187464	19.956291	16.324167	12.533307	12.368896	20.020931
4.431102	5.316175	9.405895	6.574885	8.449459	4.63732
0	0	0	0	0	0
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0	0	0	0	0	0
0.766679	0.28604	0.263466	0.116766	0	0
9.207098	7.721144	8.400814	5.991511	7.068893	8.705454
2.536834	1.625524	4.813807	2.083575	3.008563	1.293611
40.811649	40.803642	39.41917	29.90941	28.975014	52.714333
20.088953	15.767562	15.153924	14.060392	10.328022	29.726196
0.045243	0.115339	0.282778	0.04542	0.133215	0
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12.249376	11.051479	11.820065	6.738441	7.938126	13.027399
2.804502	1.993234	4.473706	2.012571	1.817467	2.751544
45.283318	35.079185	49.319885	31.037252	39.780186	24.635248
54.808041	42.946068	32.736485	30.195803	33.451832	50.382084
9.982735	8.547504	10.049969	10.577576	11.460717	9.019363
20.006454	38.374407	34.199444	27.934311	33.773699	21.084424
6.747821	9.517581	9.769677	9.805286	10.538575	11.282028
152.829926	133.914871	123.448532	127.677765	126.74971	167.078064
4.54634	5.077657	6.438131	2.986717	4.729588	5.374871
3.731382	4.107687	6.824227	4.172458	5.515585	4.132017
100.999359	114.719612	100.978394	110.80407	121.164642	117.196098
17.729353	18.369213	16.554779	12.615561	14.393188	18.069241
32.183716	33.923	44.662163	27.903517	29.615725	41.491173
7.139549	8.432137	12.944092	6.698479	8.232511	6.753893
14.257578	9.123769	4.662151	3.129311	5.372252	5.541643
1.994301	2.725713	3.86476	2.611469	3.078453	2.603414
52.830692	91.2201	71.098793	54.469803	84.679619	69.85408
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102.424194	75.345261	52.519268	39.863323	53.737366	75.531509
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36.878513	31.691679	19.656408	21.870522	24.862093	20.347675
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28.024172	32.091103	39.480251	30.962555	38.639999	32.624825
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68.558579	144.886378	216.357227	225.035131	286.935043	94.187265
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102.175583	89.292488	128.466751	109.862	128.254578	88.165169
1.348611	2.460392	1.451923	0.658614	1.622517	11.880552
0.908727	1.881779	0.868183	0.748225	0.904047	0.542544
15.909001	14.366748	14.085438	10.555589	12.475094	12.211039
5.733826	6.291627	5.472182	4.69066	4.77434	6.854783
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1.665355	1.465244	2.570387	1.284909	1.740747	1.018608
2.211573	2.04428	3.233317	1.443169	2.047367	1.670292
3.678569	2.147343	3.187326	2.157535	2.862162	1.777299
18.585411	15.085286	25.23863	16.913328	20.380522	17.149261
10.49749	8.728606	12.298587	6.307914	9.734726	9.740146
65.610975	58.069128	54.990693	39.388837	49.19786	57.882822
5.45531	4.645113	25.126244	6.566048	4.674839	26.196342
10.982139	8.553579	9.958651	7.15556	7.954057	8.811141
71.75608	74.066278	64.869447	54.229994	60.232295	81.545167
95.962875	85.891556	87.917336	82.437714	74.360596	110.480721
8.902147	6.244874	9.657121	4.719525	6.457402	8.49215
3.163087	3.197461	4.550701	1.884696	3.074217	3.6608
32.804752	28.711224	39.059258	43.418777	35.977184	37.708607
47.147678	44.144657	31.449034	32.48317	27.094858	57.041798
6.434991	5.371236	5.851765	5.920478	5.853185	4.737707
19.609789	22.993963	31.503084	19.993895	22.083719	20.795755
12.038732	10.17846	12.852554	9.358809	11.564957	10.002674
1.611644	3.227044	4.341777	3.57888	4.1552	2.043893
9.894339	3.243094	12.49458	3.452576	11.913311	7.906495
17.700096	12.723467	16.495201	11.546716	13.484842	11.038521
7.21072	7.435982	6.939649	6.117918	6.802476	7.951176
28.252079	22.674091	21.300827	16.713545	17.979822	22.114689
18.526295	15.06927	17.510004	13.587243	17.182552	15.972312
14.149399	15.634683	16.481182	12.844688	13.049057	12.338058
16.49445	17.272766	18.964136	11.13565	15.963824	14.638851
10.26515	11.612771	11.438617	5.848327	9.116288	12.05738
7.321179	5.729668	6.278876	4.791611	4.902901	5.945528

43.538864	44.906292	60.404758	52.928223	51.3312	45.939919
5.529356	4.399585	4.995128	3.492644	5.334189	4.068983
13.472803	11.287251	15.257583	8.765519	9.349693	8.114132
14.009478	11.512559	11.300167	8.71734	8.519838	11.947664
7.783028	6.502682	6.385603	5.675868	5.211294	7.732928
19.213047	17.808475	12.92738	8.78188	11.890636	14.70749
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2.665612	2.806534	6.039909	2.513477	3.1865	3.468363
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3.059107	1.26199	1.565377	1.340031	1.488498	1.947284
3.342055	6.635252	5.918615	2.8121	4.809429	3.13171
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1.582062	1.667523	0.537003	0.526696	2.002034	0.320139
1.024156	0.778884	1.117358	0.388951	0.813038	2.199079
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23.492172	20.954504	19.299881	19.578741	18.395039	27.85833
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3.840793	3.651029	5.181969	3.191616	3.524203	5.682893
110.83477	91.979073	69.998245	81.701332	83.431816	93.986687
15.592624	198.595612	5.328997	21.534788	37.5467	12.186928
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11.085041	7.869011	6.045331	3.358253	4.650349	7.17931
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16.754044	14.395905	25.123589	13.181094	19.351318	16.285
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25.669491	26.738558	27.73937	18.833193	23.926195	30.008915
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49.606579	58.42556	57.327194	42.437523	54.727695	57.214584
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191.608398	171.22879	142.846985	178.121017	195.535431	174.00798
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4.873338	3.77081	5.865638	2.539625	4.339072	2.898884
4.007191	2.808428	2.188151	0.705706	1.098715	3.305968
5.168252	3.082451	4.829239	1.784497	2.683277	3.92696
1.305082	1.015203	1.428757	0.767538	0.995354	0.858721
97.545509	75.997025	62.01907	42.423489	53.531296	91.935806
9.500599	8.312449	10.282312	6.25389	8.116503	7.696099
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0	0	0	0	0	0
18.122038	17.518196	15.035568	9.536971	10.294882	18.175688
1.87844	1.015171	3.222157	2.323553	2.833127	0.989888
6.609771	6.233194	8.141034	5.405251	7.426428	5.419338
0	0	0	0	0	0
8.121341	8.259681	13.31048	7.419347	9.426748	9.121588
2.855742	3.311362	2.937991	1.768266	2.138337	2.866468
27.328802	21.775127	27.06517	17.320013	23.163828	21.054596
0	0	0	0	0	0
19.77825	17.881378	19.913528	12.981238	12.458633	22.513323
0.147836	0.200652	0.745981	0.527321	0.170959	0.530011
11.869686	12.172564	15.514772	14.629888	13.136014	15.262759
7.705209	8.032193	10.956367	7.887412	7.790366	7.552732
3.649755	4.332429	4.985804	3.01935	3.421786	2.909689
17.50578	15.396396	16.506643	12.150256	10.910126	18.549391
4.888181	3.60805	4.927571	3.32137	4.031645	3.732044
0	0	0	0	0	0
9.22683	8.763845	10.342448	5.384189	6.83178	9.452048
10.872408	8.172789	7.86519	4.238066	5.060953	8.544538
42.601501	33.722805	35.536324	32.24408	23.773796	44.961903
1.565292	1.072952	1.389052	0.672372	1.31488	0.93324
24.548435	26.385407	35.359704	28.055026	32.720263	28.843318
32.331196	34.127121	34.692627	28.581799	33.700428	35.656361
15.51741	15.335594	16.771072	9.829523	10.870138	23.606384

2.170096	2.099878	3.251564	1.56461	2.48868	2.30079
11.287012	12.55668	17.387478	11.16375	14.107384	10.177448
30.44891	23.755171	25.199841	15.14381	19.91124	29.223288
9.076346	10.415522	7.295417	5.925593	6.233463	8.045901
0.719894	1.291384	1.675104	2.1336	1.704365	0.611771
21.579466	23.827538	20.943117	13.247442	18.188938	27.516701
3.261775	3.320179	5.312475	3.568504	4.857106	3.444938
1.866226	1.419973	2.719528	1.177009	0.999686	1.942641
10.734278	10.639405	15.065461	7.624039	9.995903	13.188254
9.084322	8.579835	13.872459	9.826724	11.285845	7.003028
49.884334	32.354996	43.041017	41.36595	27.608686	56.53942
2.843047	1.601876	2.985801	1.169156	1.232893	1.883103
0.246293	0.231468	0	0	0.217524	0.521166
0	0	0	0	0	0
2.285962	1.605638	1.857645	1.081397	1.471856	1.641104
15.486574	13.746042	12.689963	11.274097	13.158469	14.471881
0.116534	0.111238	0.02114	0	0.08578	0.138428
3.11696	3.536554	7.895709	6.399308	7.423386	3.200643
48.181	48.179077	39.42622	30.503845	33.741989	59.60326
19.905592	15.595717	14.958526	13.941004	12.795348	19.412577
2.919851	2.087853	2.545232	1.095283	1.478922	2.0473
25.446371	21.494677	23.082052	16.095114	15.7875	25.672873
0.299787	0.478103	0.203189	0.119097	0.372903	0.068361
8.530722	9.563048	9.112034	6.309214	7.69689	6.971962
8.235222	6.883422	9.314394	4.601706	8.053828	5.454927
18.694561	16.337299	15.672337	11.066541	14.428151	18.515368
16.083181	16.117331	19.436741	11.365413	14.403276	18.335314
78.222504	87.810608	52.520599	44.180386	46.099476	72.853531
0	0.109467	0	0	0.167078	0
1.638165	1.590029	2.203974	1.056319	1.114155	1.826416
2.835483	2.512949	3.912155	1.612214	2.201128	1.174284
12.429044	8.110113	12.371138	7.480751	10.830109	7.380742
8.979143	6.829104	6.209519	4.674242	6.300768	9.102054
0.106589	0	0.24009	0	0.187616	0
0	0	0	0	0	0
8.030746	7.490263	9.048586	5.400124	8.433985	4.796559
10.747434	11.117687	10.206259	6.581026	10.778186	11.362362
18.174755	12.268625	13.006648	13.185662	12.156566	12.460857
4.41721	2.987367	5.679919	3.349982	4.138984	4.187723
0	0	0	0	0	0
1.735498	0.805	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
294.628967	82.56443	134.632599	108.008652	173.217026	146.031281

1.672939	2.863934	0	0	0	0
0	13.262133	0.856925	2.441508	3.137148	0
93.616928	98.039597	61.942963	52.43169	80.781837	102.817474
0.905926	2.008062	0.460968	0.607827	1.202755	0
0.130824	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0.59784	0.711311	0.671601	0.148039	0.234156	0.346815
0.32985	0.057638	0.064608	0	0.087092	0.121696
9.598494	8.867948	6.855661	4.853559	8.512754	8.777071
5.392143	4.800173	6.810034	4.300889	7.482153	4.415672
1.21224	1.089746	2.490587	1.509242	2.197274	1.896879
14.084826	12.129638	15.342043	8.039406	9.121618	8.282783
14.985032	14.920083	16.794026	14.560015	17.543903	13.452435
25.265859	21.935368	25.328368	16.691748	20.531713	28.21298
0	0	0	0	0	0
16.546415	15.422869	8.260123	9.415682	11.082425	7.113422
6.008009	4.147339	5.577595	4.19345	5.803505	5.080857
0.678607	0.458231	0.537626	0.17328	0.849398	0.848521
31.418365	25.451767	40.680794	29.21665	40.826408	25.058064
19.331484	19.234295	24.808613	14.365795	19.502016	22.4603
16.153143	8.413783	3.919924	2.980197	5.821102	7.477474
14.023305	9.367732	6.569274	1.990855	7.414362	3.648121
0	0	0.092803	0	0.091771	0
10.134111	12.183101	18.65035	11.178176	15.806591	11.324598
38.965955	34.64303	47.654304	44.294499	56.788349	43.589015
27.619198	21.949693	38.093818	21.979494	27.77575	18.590759
0.089471	0	0.013002	0	0	0.231394
0.080297	0	0	0.029348	0	0
1.335319	2.077201	2.873924	1.226468	2.249998	1.368374
0.064115	0.109211	0.11476	0	0	0
0.691999	3.49785	0.963404	0.691593	0.785186	0.975758
19.372974	34.82523	100.238579	48.347755	48.904812	18.69985
3.195228	4.101208	2.192704	1.604902	3.697016	2.104777
0.087356	0	0	0	0	0
1.499332	0.369755	0.284771	0	0.599625	0
1.084223	0.485753	0.153954	0.10792	0.352517	0.181909
0	0	0	0	0	0
0	0	0	0	0	0
12.71847	18.537363	2.752924	2.084595	7.857835	1.348352
5.091369	3.265748	2.728267	2.073023	4.236834	4.055947
1.17303	0.769607	0.348934	0.193098	0.345261	0.633706
0.207787	0.437823	0.278085	0.141198	0.354965	0.551687
0.238366	0.161692	0.069464	0	0	0.09797
0.718466	4.051714	1.217384	2.243612	3.644044	4.157533
0	0	0	0	0	0
0.087956	0	0	0	0	0

1.083396	1.580194	1.918948	1.435358	3.983182	0.873376
0	0.111139	0	0	0	0
9.667068	8.355141	7.037087	4.366962	6.353476	7.532343
16.675205	13.534984	18.068626	8.197186	9.705557	17.418768
1.900126	1.894261	2.543993	1.166086	1.609591	1.271158
15.975468	17.83333	13.664143	9.342346	11.362292	16.402405
70.205212	54.506988	105.489121	109.937233	110.378353	23.99975
45.84399	41.380211	35.41869	19.979858	34.592911	40.279171
0.548921	0.605517	0.179418	0.305819	0.525672	0.432092
0.079247	0	0.05789	0	0.05742	0.644612
8.667595	4.00658	5.595513	1.81128	7.022807	0.916032
0.23793	0	0	0.07007	0.237349	0
32.793248	28.864129	32.347736	20.31111	25.664378	32.407716
9.834103	9.261705	6.973299	5.307729	9.443525	7.115377
2.957717	7.076966	7.269453	3.305171	4.627459	7.260046
8.384957	7.671946	11.774246	7.290257	9.28159	9.507689
2.700209	2.353158	4.131493	2.568474	2.400733	2.153597
7.840503	3.51459	4.552992	3.003397	3.586225	3.662488
28.607197	23.931433	45.709908	22.622917	26.376097	30.811295
21.226717	24.345351	40.908073	29.573669	31.846424	26.052361
18.058058	19.089314	24.942829	18.09572	18.826555	17.415956
10.335281	5.177666	1.769702	2.421353	2.763945	3.510714
85.35532	103.923247	58.433889	52.22748	68.295065	58.716432
6.65607	1.003936	0	0	0	0
0.034138	0.116494	0.122539	0.08568	0.055843	0.289592
22.089336	10.870651	19.426189	10.76244	19.874252	22.701513
7.215509	4.802853	2.968498	6.755834	7.521661	2.006365
2.244701	0.033335	0	0	0	0
4.918229	0	0	0	0	0
22.809956	21.864356	74.169485	72.857349	72.897814	23.064086
0.406143	0.335474	0.578635	0.281438	0.307494	0.664712
0	0	0	0	0	0
0.497953	0.937609	1.820365	0.721844	0.948262	0.794697
0.114648	0.381677	0.281462	0.320824	0.204267	0.198474
0	0	0	0	0	0
1.857355	1.989421	1.880313	1.4505	1.622736	1.232469
0	0.521986	0	0	0.154933	1.075227
0.235908	0.066817	0.160948	0	0.051914	0.115031
0	0	0.267849	0	0.386084	0
2.200426	5.135515	6.112753	5.34789	4.035578	2.822026
3.026878	3.903758	6.500217	7.286417	6.155336	2.443773
0	0	0	0.480017	0	0
0	0	0	0	0.223505	0
2.564127	0.735339	0.349565	0	0.690321	0
1.422951	0.095735	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
6.232443	5.051308	8.197352	4.135613	5.138924	3.19768

0.238717	0.150334	0.184103	0.104572	0.1976	0.235166
14.031781	10.600868	14.174305	8.753494	12.018337	13.281966
5.567004	5.26666	7.03649	2.974088	5.875187	4.19819
29.717909	28.251051	30.275846	20.609812	28.342014	34.375023
0.225759	0	0.148113	0.165031	0	5.040885
1.894625	1.865227	2.97429	1.387168	2.023191	1.258966
18.029465	15.793928	16.79493	16.254793	16.797985	16.451794
2.529663	1.149871	2.822907	1.475518	1.850906	0.906826
9.448967	10.00422	12.365879	7.160586	9.68337	11.098586
17.46629	13.666394	18.149715	11.63544	15.068724	13.608506
4.157046	4.152911	5.213421	3.565224	3.552663	4.532903
13.711452	14.344085	16.145384	12.183862	13.229674	15.813457
5.199361	4.228776	5.149517	4.054764	5.301489	4.962717
20.623137	22.102518	21.415934	14.071008	18.842672	21.946352
3.01738	2.327851	3.447904	1.794337	2.613371	2.847736
8.007777	7.93499	16.11132	6.027894	9.199424	6.506368
4.446867	3.996094	4.547628	4.438611	5.206754	5.150778
11.18404	12.068385	14.069221	9.774106	10.638623	12.488545
20.901886	21.294388	22.062445	18.655333	16.652622	23.464745
13.099029	9.213475	10.391698	7.942921	7.171104	12.875071
1.680071	1.356041	3.104951	1.179029	1.969868	1.169844
24.222589	20.286674	34.230381	24.703655	25.45421	27.971956
0	0	0.17301	0	0.141771	0
8.366262	8.65167	10.102201	4.420896	7.420228	9.944827
2.816408	3.915951	2.276571	1.172803	2.267319	2.205806
0.929658	0.645055	0.69384	0.526272	1.322394	0.117569
13.596046	12.234973	20.624853	10.200295	15.840662	13.210222
8.154061	6.843407	6.901948	5.919718	5.860338	9.624941
10.656556	19.199605	16.372875	16.13789	15.51971	11.140822
19.392137	18.464022	14.86883	11.893039	9.286059	10.444592
13.735889	15.565043	13.4393	12.224551	13.50974	14.045019
16.290283	14.791407	14.338677	11.384019	9.187316	17.191668
1.052651	0.800517	1.181374	0.784098	0.850816	0.996041
380.928619	409.282715	336.504913	290.835358	323.757141	423.084412
0	0	0	0	0	0
275.983337	287.878849	221.167122	218.897976	244.720726	303.883881
10.518559	11.013908	7.443891	4.788284	4.2801	9.145395
7.858644	7.878991	15.350709	7.581776	11.283845	6.356055
44.790489	43.361015	32.826515	30.471855	30.116354	42.914986
2.913045	4.086418	3.742743	3.756102	3.638776	2.139633
29.957243	32.9804	25.307425	22.598461	32.601364	33.546139
26.082339	32.857407	26.478593	25.831679	30.140852	31.692705
29.037242	29.308104	24.347109	26.452645	24.894999	37.53096
8.223983	9.687013	12.057879	8.403507	9.373213	5.905188
38.835087	46.032459	38.396061	28.837078	37.930943	38.709732
22.020342	26.747616	27.215567	24.357372	28.426472	26.743464
28.981688	25.047438	20.84568	17.464924	22.995741	27.88917
4.868428	3.695351	4.641895	3.813444	4.083629	3.23346
2.475015	0	0	0	0	0

59.052429	48.176861	42.721775	23.354122	32.264774	63.110241
10.483899	10.197932	13.156965	9.271577	11.027644	9.053415
14.49117	14.025927	16.663403	13.774603	16.007875	16.094498
1.096603	0.845311	2.003848	1.815501	1.051851	1.45842
1.11271	1.671346	3.914447	2.070332	1.819573	0.956063
3.054514	2.848938	3.177571	2.637142	5.021548	2.300738
65.136481	62.616535	72.612465	50.626877	88.807997	39.94241
2.821491	1.886506	2.194849	1.930565	5.224078	1.280644
24.692665	23.129303	22.456409	24.585333	25.335512	26.945044
42.085602	38.550869	26.912992	26.330347	27.21648	47.509281
29.316444	22.699377	28.170401	25.126518	30.624336	20.796623
0.818369	0.678558	1.172873	0.808246	0.739397	0.377503
23.160433	20.899382	20.532917	12.963614	17.207088	23.398371
14.324332	10.980443	11.224218	7.911035	9.488524	12.514885
7.176556	6.298784	11.806788	6.755743	9.119889	6.150496
94.460548	83.678139	68.839958	53.327553	64.419212	99.449623
285.238556	290.584106	221.560135	200.152451	209.353378	277.562347
85.711082	81.311859	71.657127	55.024372	64.216667	79.915581
117.705925	109.142052	80.904831	57.65868	65.02681	112.865128
58.142971	64.345627	66.098106	62.737896	59.561489	75.923828
129.971621	144.088543	121.444853	106.529742	124.240943	107.317072
27.432507	25.384798	34.462261	28.343578	36.953918	33.392296
1.523535	1.8218	1.969182	1.326953	1.593486	2.271386
16.08094	18.890781	20.22332	11.51385	14.247071	20.2117
10.96606	5.735736	9.132772	7.512349	7.320371	9.344973
0.006952	0	0	0	0	0.029839
0.488138	0.255744	0.166187	0.411853	0.444779	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
7.398018	6.41535	9.39539	7.623112	6.887961	7.901306
1.746502	0.739928	1.241258	0.670435	0.675579	1.182782
21.473078	0	18.87372	16.38118	17.578733	26.491041
5.64472	4.258889	10.873365	6.634632	9.007664	5.148923
39.90255	12.648285	2.565807	3.593346	6.835294	19.908465
9.812959	7.929065	10.730124	6.451535	8.739235	8.627846
1.433166	1.583732	2.259362	1.737992	2.013419	2.094769
3.839676	3.45924	4.678833	2.727558	3.154592	3.652676
2.72956	1.741483	1.455954	1.009125	1.229266	2.98661
8.780959	12.941993	15.248114	8.285561	10.242687	8.732224
4.211293	3.223543	4.450238	1.824639	2.878269	3.571579
0.544733	0.329967	1.427367	0.432112	0.916947	0.053813
8.452444	9.037801	11.174379	7.798927	9.000151	8.586515
7.44393	7.622663	7.435151	5.1378	8.701239	6.434774
6.384237	4.241624	4.308125	3.682964	4.360895	4.155837
3.436752	2.786369	2.910363	2.446275	3.657654	1.671226
3.498601	3.144424	5.125307	3.389889	2.939469	3.222452
9.046491	9.924912	12.377469	7.442651	9.515573	10.967613
5.130288	5.314375	6.282051	4.75217	5.115803	3.829718

4.509718	3.777095	9.619897	4.245784	5.769976	4.556943
2.359549	1.904555	2.834219	2.139719	1.757624	2.021046
1.495052	2.106404	2.75025	1.116609	2.019129	1.724717
0.286051	0.423187	0.562783	0.127822	0	0.434347
3.092588	2.15297	2.954388	1.828478	2.462209	1.800979
3.132984	2.303503	3.219661	2.086782	2.634451	1.969507
0.998305	0.640001	1.087874	1.199516	0.931842	1.053644
5.270635	4.814781	9.841537	5.178225	7.169072	5.494869
2.622447	1.95928	3.114856	1.250651	2.538668	2.216935
6.641573	5.019736	5.91993	3.381239	5.455945	4.103797
3.987259	3.891115	4.191697	2.424356	3.36832	2.629754
2.823261	2.402285	2.794327	1.787959	2.010272	2.464144
2.355005	2.151323	2.352511	0.579792	1.533761	1.614308
4.761168	3.72891	7.740349	4.06526	5.799827	2.303425
3.869234	3.765107	3.83389	2.674176	3.655246	0.948017
4.966237	5.634199	6.062274	2.711061	4.949186	3.567232
0.924491	1.022424	0.778137	0.482789	0.780672	0.562703
5.999377	5.600131	6.712957	3.087437	4.926437	4.74036
2.066646	1.419979	2.88039	1.527655	1.765083	1.337024
2.592998	2.081193	3.328334	1.626865	2.977364	3.372756
4.916371	3.721843	3.870931	3.534142	3.310014	4.684773
20.551001	18.465315	20.62466	10.527202	17.048903	18.367012
17.61784	19.957577	22.216179	12.426795	18.14291	23.044159
0.991506	2.396667	2.400336	0.714549	2.384644	0.891231
2.433827	2.114615	1.40415	0.531497	1.185042	1.973839
0.570014	0.880287	1.525891	0.5019	4.086986	0
27.297909	23.58799	14.179242	11.507574	14.917053	25.271917
5.367891	5.027835	6.395633	3.345701	5.504276	4.809139
4.028173	3.437174	7.698481	5.829776	6.26782	5.107996
0	0	0	0	0	0
0.47326	1.154257	1.221983	0.624697	1.338212	0.473308
7.37505	8.082155	6.473187	3.168158	6.597017	7.761501
61.359226	46.592724	48.639408	35.957756	59.232395	38.159286
12.180379	11.101467	20.47315	10.347524	18.528721	9.385486
0.180403	0.112069	0.509142	0.086775	0.33136	0.107878
1.143168	0.874449	2.054389	0.951389	1.012025	0.704888
1.079561	0.689534	0.479844	0.297544	0.539256	0.681144
14.387697	10.43946	10.609761	8.811197	10.469247	7.563207
27.368815	30.161834	36.787766	36.673337	39.392553	35.167996
42.7966	37.773605	32.887489	30.615002	33.314896	46.027679
18.142765	16.33995	20.848889	12.27263	15.395908	19.427349
3.400283	4.125957	4.977777	2.96524	4.495091	2.286358
9.450643	8.228528	11.303986	5.011088	7.42642	9.90305
1.15951	0.761165	3.040223	1.850635	2.03163	0.691069
34.856456	25.125917	34.50575	22.065745	29.066362	20.328541
13.399477	14.189066	18.390614	11.831262	14.39602	13.655994
9.201255	8.049329	7.004343	5.237967	6.709188	4.578235
8.543587	6.72782	7.007036	4.85841	5.607694	7.336673
2.116652	2.177924	3.617148	1.80763	2.582448	1.662099

11.253389	12.883783	14.002459	10.323817	11.277966	15.006719
2.645244	2.892713	3.835706	2.212622	2.609898	2.45839
18.076834	15.094525	10.335931	10.657356	12.860695	16.454771
2.202673	2.014714	2.713257	1.888452	2.608259	1.441603
0.069446	0.148459	0	0	0	0
0	0	0	0	0	0
15.551231	19.018625	25.97197	16.037899	25.020645	16.450676
0	0	0	0	0	0
27.452236	17.444368	12.383969	9.38747	11.541288	19.593332
0.068538	0	0	0	0.089093	0
9.234568	7.16859	7.582081	4.32205	4.90182	3.596258
43.020691	41.311916	49.436939	29.15131	41.71719	32.389904
1.297735	0.761609	0.66969	0.29643	0.725475	0.603478
4.491295	4.321485	7.636126	6.138466	7.10112	5.335287
0.270643	0.132093	0.187156	0.181249	1.655536	0.069919
10.65363	7.623882	10.896055	5.657292	9.656087	10.757138
14.771154	14.278515	19.468943	11.68958	13.851673	10.110003
12.423281	12.134204	12.929802	7.380679	10.170615	9.769171
16.264166	12.640799	12.645283	11.341648	11.27965	15.886617
120.289619	89.237709	73.229027	77.960922	71.082863	89.058739
2.127271	4.221028	2.987091	4.065883	5.736061	2.896912
0.017948	0	0	0	0	0
14.20558	12.448638	18.62088	11.668566	11.177468	7.33139
0	0	0	0	0	0
28.387239	26.772116	23.545695	13.600282	22.026217	29.043475
11.267113	7.965435	8.043237	6.041506	6.386227	12.053383
4.12603	2.181096	1.845599	1.353163	2.76316	1.990834
0.234595	0.023663	0.149937	0	0.040632	0.122146
28.796986	22.860161	26.436768	13.614997	18.654097	25.888351
6.194796	5.345211	8.146995	6.516865	6.121346	5.428661
19.533398	17.679716	17.167025	12.74752	16.049248	14.757095
0	0	0	0	0	0
0.98835	0.593428	1.006535	0.396263	0.679307	1.031914
18.571566	14.855464	17.248106	15.078834	16.290806	18.354891
3.130452	2.597238	2.800214	2.086217	2.030724	2.477947
0.26317	0	0	0	0	0
0	0.125234	0	0	0	0
8.055414	4.600344	6.937271	3.340271	4.919779	5.655949
0	0	0	0	0	0
6.156999	5.170139	5.621733	3.206159	3.776498	6.920027
19.130955	17.165119	22.959206	17.949127	18.197088	12.937198
20.217274	18.87174	19.804565	11.549127	19.304218	24.564421
25.206535	16.103058	19.307076	14.723619	17.738506	24.567093
13.690107	12.334362	11.724873	4.85468	8.181814	15.001335
13.67461	13.812284	16.912859	9.544949	14.821173	13.369473
16.448696	16.847256	16.35578	9.421361	13.738418	15.362164
8.583784	9.088378	12.445963	10.686008	11.588793	8.271092
14.572014	8.035632	7.868339	7.412989	9.270693	6.608444
8.482072	6.032686	4.938746	3.701163	4.842946	5.190326

5.483127	6.330851	10.960234	5.420255	9.584264	4.330109
0.356732	0.190863	0.129285	0.119509	0.309617	0.182473
0.27781	0.199827	0.338455	0.240966	0.324868	0.215387
11.453395	13.561435	21.852306	16.650812	16.107925	8.917991
14.915012	12.202938	16.42056	17.020431	17.586498	19.522293
10.077466	12.45715	19.27333	16.345253	15.529447	13.629242
36.094841	37.184258	31.738283	23.389843	32.271324	28.027575
1.792188	1.67813	2.570413	1.712508	1.530264	2.383764
7.385084	6.489985	9.936578	10.124549	9.865831	6.476209
25.007599	23.04207	19.067774	18.314241	21.768837	22.4041
1.158236	1.557271	1.523654	1.112155	1.755816	1.179137
11.720983	6.559698	13.727489	9.309132	9.503841	5.197622
0.972327	1.22241	1.999341	0.724064	1.023403	0.666726
0	0	0	0	0	0
4.766809	4.948256	6.19496	3.707799	5.120357	3.61796
1.044704	0.842995	2.423515	1.576355	2.597126	0.701466
7.8319	7.971281	11.758499	8.271678	10.197107	7.924865
2.244733	1.964703	2.788371	1.502093	1.759005	1.569495
1.283502	0.807354	0.658702	0.302584	0.629115	1.11032
23.387003	15.173712	19.809046	12.745646	16.40291	17.735413
0.326036	0.424554	0.886893	0.433107	0.459341	0.901301
0.579958	0.521923	0.927332	0.32704	0.781941	0.35617
1.068316	0.909308	1.789855	1.035601	0.908818	1.080433
8.505249	5.903246	7.263733	4.183469	6.4627	7.348426
1.756729	1.038592	1.591686	0.731899	1.074494	1.255056
0.626507	0.899412	2.388553	0.776623	0.992119	0.472992
1.315006	1.128509	2.46763	1.03033	1.36782	1.266368
0	0	0.084196	0	0	0
0.914142	0.502367	0.686065	0.552574	1.048035	0.637695
0.938123	0.184366	0.522764	0.673897	0.471905	0.23996
4.755497	3.53257	5.871365	4.195999	4.557196	3.403955
6.430624	4.218388	4.088538	2.859243	3.514528	0.606705
0.83498	0.59243	1.017622	0.509636	0.77669	0.700288
1.316207	1.715224	2.971961	1.896043	2.390858	2.40249
10.696534	6.983672	10.099699	7.071054	9.392099	4.350371
0.211331	0.120796	0	0	0.138277	0.240309
1.051191	0.668288	0.907672	0.568015	1.042539	0.39732
2.14839	1.778785	2.520388	1.730087	1.824819	1.580659
4.766803	4.021214	6.486814	3.31109	4.752048	4.222469
4.039435	4.86834	6.224397	4.236014	5.742758	4.024079
18.848688	16.60158	22.467842	15.310835	17.862432	19.109184
5.457493	4.369218	5.260849	3.693266	4.352991	4.507503
1.688225	1.920836	3.216393	1.650591	2.254959	1.302984
3.846768	2.74209	4.907881	3.731593	3.573465	2.568836
2.081376	1.614333	4.906222	1.997141	3.01823	1.733701
0.292676	0.654545	0.597402	0.555622	0.539687	0.339324
5.362336	4.345341	6.005775	3.283417	3.489376	4.314728
1.134165	0.672451	0.713622	0.178185	0.560758	0.338163
1.343769	0.692438	2.147336	1.551914	1.451712	1.361665

0.207989	0.089165	0.084766	0.064358	0.228464	0
1.435528	1.407331	1.514774	1.812447	2.063288	1.752108
7.143726	5.857318	6.668653	5.196361	5.584691	8.194926
0.587414	1.039034	2.315587	1.538348	1.31319	1.250285
1.668993	1.15337	2.022106	1.041707	1.320589	1.256271
64.204248	40.662411	51.820858	37.890097	49.751867	38.349708
5.739348	5.739938	9.468597	6.696039	7.240938	7.116442
2.949051	2.471266	3.566083	0.781134	2.563205	2.270869
8.404422	7.806495	10.890091	6.060821	10.204609	7.443562
16.534693	15.897949	17.557806	14.607673	16.754538	9.053465
0.450298	0.522775	1.148104	0.319881	0.591177	0.435402
1.701366	1.071303	1.852767	0.583127	1.58378	0.891151
3.090108	3.205468	4.81247	2.490588	3.193663	2.202051
2.738702	3.278002	3.407808	1.831563	2.39103	3.34196
0.956702	1.316681	2.303616	1.467067	1.763867	0.977018
4.539644	4.10755	5.689676	1.998557	3.521375	4.505844
1.901154	1.517169	2.723727	1.622895	1.765855	1.476488
9.821691	7.894766	12.543513	8.4038	10.138113	9.835092
10.325821	11.389442	16.695927	11.664996	15.726972	8.679605
1.225424	5.388796	6.185897	7.122917	6.623491	0.869152
2.554558	2.32216	3.701558	1.791785	2.75242	2.387599
0.500831	0.344986	0.572697	0.291285	0.368841	0.391007
2.200922	2.11692	4.445035	4.004085	5.372386	1.71046
9.53513	6.422176	10.746305	5.173117	6.881089	7.801526
13.04201	12.93131	15.117804	8.977249	7.917181	8.272446
1.31869	1.271934	3.684489	1.980574	2.571419	1.22321
3.112229	2.819991	4.654852	2.713349	3.565327	3.836447
3.687701	3.266147	5.755176	4.371705	4.33468	2.694879
3.092673	2.612909	4.489231	3.068574	3.570416	2.055557
6.362549	5.102562	8.931275	7.736505	8.508753	4.812613
5.264989	3.131228	5.836205	3.467323	3.847231	4.326769
0.378949	0.085274	0.19914	0	0.344131	0.275797
1.240322	0.790701	1.293576	0.603438	0.939711	0.310263
3.204199	2.60738	5.166873	4.345197	4.581704	2.314831
2.6926	3.371531	3.244001	1.657954	1.42424	2.462551
1.568986	1.229267	0.872957	0.586004	0.244985	1.119669
1.741548	0.604943	1.231889	0.802466	1.09103	0.428535
0.109004	0.055963	0	0	0.032031	0
1.363329	1.735318	3.785789	1.505047	2.262289	1.183477
4.6795	4.82643	9.680983	6.012128	6.836665	4.235101
0.48483	0.525649	0.782033	0.411958	0.363035	1.026145
3.810002	2.959672	4.381408	1.673697	3.603775	2.997934
4.308591	3.690292	4.580934	3.07831	3.320724	0.6365
1.795199	2.077597	2.385066	0.865597	1.610166	1.777711
15.573351	10.663623	11.498979	9.495083	10.051371	8.44045
3.517815	2.370479	3.945795	2.657012	2.928968	1.590305
24.04199	21.162157	30.381723	23.03434	24.80711	22.49045
2.820052	3.293676	5.796451	3.425166	4.568325	3.655623
7.528856	6.850879	12.726238	6.727448	9.725574	6.580827

1.562298	1.399603	2.473675	0.81719	1.573838	1.196235
0	0	0	0	0	0
9.181112	6.356256	11.410213	5.888984	5.627898	6.522554
8.372246	5.613769	5.065829	4.084417	4.209561	8.537212
0.100852	0	0	0	0	0
0.708121	0.466273	0.91187	0.451258	0.935791	0.539824
0	0.334818	0.29821	0.122384	0.353958	0.103967
1.764239	1.219925	2.451461	1.370391	1.440762	1.476301
10.956828	14.870375	17.134502	9.354208	13.102353	11.697553
91.593552	69.325829	87.48481	57.587387	85.681488	64.335655
7.650238	8.176085	11.208048	6.105827	10.358973	5.817813
0.793239	0.930771	1.464058	0.604035	0.721295	0.869467
0	0	0.118922	0	0	0
4.020409	3.893476	3.352696	2.913186	2.416281	3.710308
1.778985	1.295727	4.023556	2.281377	2.466865	1.050076
39.532902	51.922558	55.518112	45.354385	70.389648	27.149899
67.06842	68.154434	125.672958	55.728569	77.55648	69.637062
0	0	0	0	0	0
0.906386	0.843317	1.00143	0.550427	0.608085	1.431339
1.937212	2.004112	3.731312	1.2801	2.131082	2.219383
1.741434	1.71168	1.95112	1.765719	2.563333	1.857674
20.414489	17.483226	21.293211	14.756368	17.892859	18.105553
20.050932	16.390863	13.345649	6.208405	10.23782	16.956156
0.111553	0.24121	0.168772	0.236984	0.675175	0.150925
0.208637	0.063736	0.026431	0	0.090712	2.074568
3.306918	2.595381	7.705251	5.135169	4.516324	3.789576
0.16276	0.279097	0	0	0.399359	0
0.836032	1.003842	1.341864	0.635209	1.145278	1.133514
8.01126	11.951247	18.543787	14.826503	19.158579	5.6825
4.169005	3.189503	6.49324	3.909802	3.89835	2.86045
1.508143	1.098413	2.57421	1.115471	0.788543	0.800792
0.590828	0.332104	0.572056	0.205777	0.456247	0.35598
1.344732	1.606542	1.972823	1.628789	2.026636	1.853743
6.396133	4.779478	9.007635	5.080794	6.795442	4.764457
1.013721	1.000749	1.408513	0.538956	1.002272	1.129631
18.364205	14.601693	22.152717	17.270944	17.784971	18.752786
19.163459	16.712961	22.054993	12.122863	17.711215	14.813803
0.449296	0.434462	0.659679	0.282615	0.510967	0.518074
0	0	0	0	0	0
1.291167	1.228847	2.516542	1.686942	1.653708	0.913982
3.062612	1.89712	1.824695	0.939415	1.149515	1.658382
0.682381	0.512465	0.267813	0.031101	0.226827	0.316063
3.888448	2.21992	3.914297	2.584078	2.814553	2.877763
10.211046	7.380392	10.179872	7.077066	7.145338	10.073132
1.71827	0.754321	1.686492	1.262755	1.108888	1.002011
0.49808	0.941212	1.11122	0.76676	0.873814	0
0.917127	1.007575	1.370878	0.712096	0.927719	0.996556
0.628798	0.294284	0.429127	0.291008	0.633654	0.428463
4.422119	4.849401	6.032751	3.300078	4.226232	4.453306

7.745814	5.21821	10.594158	6.5139	7.164163	4.970908
0.827171	0.768697	1.122211	0.759936	0.757845	0.621797
1.004775	0.727823	1.755275	1.486928	1.082947	0.704767
8.888773	8.346528	11.437647	7.362952	7.760078	7.677186
0.480601	0.219344	0.348026	0	0.54378	0
0.593609	0.344323	0.250737	0.112545	0.302154	0.286829
0.676379	0.31176	0.326864	0.245561	0.4343	0.438025
0	0	0.0636	0	0	0
0.238835	0.205522	0.126502	0.087507	0.042776	0.104074
0.204212	0.078281	0.066031	0.076382	0.088714	0.061255
3.314205	2.812524	4.391292	1.886068	2.955698	3.04971
2.393821	2.521915	3.970347	2.297101	2.504536	2.195362
4.585365	2.793301	3.116453	2.199091	3.344648	1.782787
3.084586	1.509555	2.638242	1.419679	2.067656	1.582018
0.609648	0.079191	0.386993	0.057474	0.149338	0.29946
0	0	0.113548	0	0	0
0	0	0	0	0	0
0.289602	0.515989	0.339829	0.193408	0.272075	0.426449
3.802185	1.150658	1.097248	0.230869	0.941077	1.080912
3.132003	3.261017	5.520681	3.099236	4.27675	3.551409
1.852026	1.558731	1.994651	1.494235	2.165968	1.20932
18.589649	18.725307	20.523439	14.66776	17.534685	13.827084
8.57776	8.776209	15.075089	9.146546	10.036314	8.316496
17.470113	15.707405	20.326886	15.354079	19.251569	14.87582
6.991911	7.407618	10.540155	6.189041	9.673205	5.125903
1.015377	0.646103	0.641645	0.297043	0.459526	0.459349
1.699099	0.96766	1.022739	0.557493	0.602121	1.324221
2.373153	1.05668	2.148086	1.548011	1.748062	1.080225
0.505325	0.031644	0.111308	0.074102	0.044793	0
7.482456	9.035847	15.740814	7.012479	9.627532	6.774513
10.511456	13.903565	11.938729	10.19072	12.107084	11.968005
1.729397	1.093673	3.112495	1.354379	1.821768	1.224887
3.781596	2.946444	2.968764	2.574267	3.507516	2.974194
5.582641	5.167525	8.454593	5.253352	7.888054	4.47718
0	0	0	0	0	0
0	0	0	0	0	0
0.676166	1.08564	1.162543	0.709302	0.693183	0.632828
0.033168	0	0	0	0	0
0.258679	0.553729	0.800906	0.452639	0.372735	0
4.268312	4.751443	7.497935	3.905162	6.592286	5.893414
0.253693	0.302187	0.167554	0.132246	0.194063	0.132562
2.039502	2.115436	2.251859	2.373254	1.944151	1.208208
0.840035	0.693044	0.878851	0.642141	0.694337	0.427849
6.670088	3.896804	7.791966	3.802677	4.831315	6.443304
4.211824	3.202788	3.145211	1.792021	2.898574	3.081598
10.712544	8.960722	21.758754	17.68531	17.949911	8.260329
0	0	0	0	0	0
4.813885	3.54643	4.299579	3.041412	4.097326	4.056832
0.359385	0.232685	0.160709	0	0.136082	0

9.607762	7.742637	14.998497	8.132248	10.393966	5.148784
1.498911	1.155496	2.322472	1.05925	1.559819	1.182095
3.685024	3.736469	7.906545	5.210787	6.783983	4.789944
0.434668	0.234436	0.111706	0	0.295344	0
1.06328	0.759164	1.703842	0.882599	1.026377	1.165772
5.893497	4.123424	5.443524	2.875541	4.435383	3.901583
11.469792	11.037443	9.696007	8.195953	9.131377	15.351136
1.068414	0.528824	0.855236	0.554115	0.47278	0.423466
2.566749	1.79912	3.204922	1.522275	1.90217	2.412662
20.360125	22.211618	25.111128	14.05654	19.481575	22.380362
1.205016	0.773619	1.03935	0.627985	0.74477	0.890717
3.658482	1.949721	2.760266	1.683511	2.386901	1.810685
0	0	0	0	0	0
4.950317	3.539169	4.296083	2.823171	3.110677	3.228384
2.384598	1.966213	3.535878	2.356535	3.127695	1.868967
1.057295	0.794286	1.406234	1.031736	1.278752	1.044809
4.255599	3.888832	5.957598	3.935906	4.567968	4.546794
5.605911	6.983474	9.42872	6.17029	8.585048	5.472351
4.18497	3.467932	5.792625	2.819023	4.252463	3.525887
0.170563	0.093061	0.022353	0.077831	0.167199	0
0	0	0	0	0	0
5.640902	4.109618	4.881842	4.449028	4.205024	4.709888
0.571392	0.426887	0.086411	0.10607	0.259766	0
0.323798	0.238502	0.431255	0.103444	0.398603	0.104343
3.385845	3.401875	6.120821	4.93801	4.921486	2.303741
14.038625	13.591542	11.215138	9.447109	11.25082	12.086412
5.733783	4.974816	7.281204	3.902681	4.946949	4.68188
2.604087	2.082404	3.877707	1.876047	3.121359	2.035377
3.107089	3.135178	4.25003	1.482527	2.815789	2.829563
4.223816	3.527694	5.315272	3.48814	4.326072	4.291368
24.817095	25.634434	31.258739	24.724377	26.772856	27.974409
8.769889	6.788933	7.463682	5.780735	7.104315	7.992704
18.186043	14.910148	25.171263	15.862807	17.524126	17.913
5.976157	6.427447	9.50327	5.724944	6.653783	8.663576
0.060703	0.053229	0	0	0	0
2.195038	2.356173	3.393533	2.333589	2.554736	2.461397
3.403654	2.210545	5.461946	2.129201	2.895976	3.105652
1.872547	1.791541	4.680878	2.299052	2.799352	2.118878
0	0	0	0	0	0
1.488058	0.893475	1.190372	0.694977	0.931877	0.967592
6.316	5.037142	7.113956	3.167229	4.763986	3.542572
5.098436	5.324667	6.770898	4.025835	5.4162	3.451783
0	0.60679	0	0	0	0
6.119096	5.294192	9.706594	5.811499	8.024845	4.187725
1.565349	1.584206	1.662975	1.318672	1.467166	1.407961
8.796557	6.380193	9.379209	9.328962	11.773426	9.10498
3.037655	2.176807	3.018588	1.975547	3.181676	3.419613
1.65961	1.851848	5.084305	2.492989	3.268943	1.919758
0.045913	0	0	0	0	0

15.318316	14.298889	20.168249	12.069262	16.035719	15.179315
0.993297	0.619679	0.966173	0.814819	0.781701	0.532478
3.572907	3.361383	3.834253	1.958091	2.283334	2.946921
8.051809	5.441052	5.455885	3.989093	5.973119	5.50783
0.312876	0.390897	0.622512	0.208933	0.580339	0.231274
5.362122	4.228424	8.617688	6.830721	6.512268	5.872416
6.40609	6.83462	11.027626	6.65833	7.87754	7.306767
9.41033	10.466425	10.885017	8.077991	11.366077	10.027655
1.565377	1.293907	1.897492	0.856415	0.921053	1.099711
1.852514	1.620214	1.689354	1.278224	2.439906	1.202723
3.778749	4.748161	4.642961	2.601102	6.47899	3.92544
15.408674	14.596906	23.953691	13.879077	15.409667	10.976012
2.001192	1.639749	2.908622	1.577741	2.008411	1.865866
7.695823	4.592612	9.67957	5.43286	5.856763	7.286195
23.279381	28.658173	19.347515	15.40532	24.246892	25.840495
2.570523	1.780214	1.794495	1.307914	1.761306	0.967648
28.251322	29.545803	23.205366	21.665955	23.677217	34.076084
6.879298	6.028551	9.288149	4.50198	6.902947	5.825839
0.410863	0.139076	0.306307	0.171262	0.422742	0
0.535662	0.286472	0.276768	0.095983	0.286809	0.403563
16.863788	11.962082	10.90004	5.198685	6.840142	10.37584
0.052662	0	0	0	0	0.117933
0.248385	0.147083	0.208023	0.345715	0.216222	0.352691
3.767666	2.299963	3.482694	3.036946	2.645595	3.272912
1.851735	1.580526	1.871868	1.832792	1.8481	2.166022
0.504932	0.2299	0.195347	0.279804	0.136775	0
0.946755	0.434646	0.849764	0.613808	0.752138	0.612811
0.753258	0.241178	0.858674	0.593193	0.63493	0.781044
0	0	0	0	0	0
0.909984	0.680342	0.868512	0.86545	0.745423	0.897777
1.598144	1.167462	2.514871	1.120225	1.493819	1.504566
26.771209	28.824384	40.930985	23.607976	31.115195	22.894678
6.081573	6.485065	8.210428	4.892284	5.702945	5.889528
1.909388	1.680545	2.48361	0.975528	2.278405	4.617643
1.181774	0.930344	1.330818	0.506833	0.6937	1.003837
0.046875	0.255881	0.102044	0.117648	0.113484	0
0.726693	0.087652	0.351873	0.568062	0.561719	0.206691
0.583032	0.410755	0.38808	0.41579	0.27852	0.193216
2.553608	1.800407	4.088781	2.585074	2.34115	2.557806
1.453272	1.410838	2.425834	1.016212	1.005544	1.881108
1.535454	1.348599	1.722995	0.529802	1.496485	2.40624
8.383632	7.600666	7.557215	5.320258	7.505407	8.855588
2.229449	2.4912	2.688695	2.237691	2.504061	3.392201
12.725397	13.946578	12.287714	8.695999	9.768803	9.484651
1.705171	1.689157	2.596449	1.326456	1.648996	1.589434
0.494134	0.095115	0.200563	0.092492	0.342217	0.213263
1.22046	1.783815	2.441779	1.387202	2.21712	1.074006
6.412005	7.180844	14.438704	7.432133	9.804113	7.218621
0.385377	0.342136	0.438924	0.462348	0.526806	0.481499

1.671667	1.036371	1.673534	1.141492	1.323477	1.294269
0	0	0.724337	0	0	0
0.413644	0.18836	0.183724	0.079043	0.319691	0.23492
2.035875	1.377483	2.730154	0.963747	1.17106	1.405451
0.746325	0.678795	0.499607	0.350647	0.42669	0.362711
7.190217	8.492941	11.14617	6.800305	7.753353	6.699841
1.497558	1.081675	1.969985	1.452368	1.66302	0.905967
3.203724	2.490993	2.927188	1.444449	2.778704	2.970032
0.453706	0.482901	1.147876	0.301036	0.827898	0.766464
1.350312	2.593849	3.089794	1.284221	1.632584	1.685487
1.796315	1.07537	2.042309	1.227777	1.424206	1.43169
0.036341	0	0.039205	0	0	0
0	0	0	0	0	0
0.885346	0.684619	0.750734	0.501519	0.532951	0.308754
8.30034	4.733623	5.167977	2.893043	3.957707	3.686942
1.002654	0.541101	1.002073	0.915882	0.937975	1.307092
2.536757	1.502674	3.165315	1.130661	1.886552	1.733106
0.403385	0.234646	0.201071	0.085858	0.104923	0.131287
0.063025	0	0.135372	0.221452	0	0
2.074704	2.731132	3.386373	2.76154	2.772509	1.576985
0.431985	0.215056	0.901802	0.522888	0.769152	0.510586
7.119711	8.862911	11.614603	6.500905	10.50705	5.955568
2.878088	2.793216	3.662871	1.919479	3.378636	2.310304
5.850738	6.694183	11.533692	7.168461	8.442857	4.511518
7.977343	7.223227	6.781151	5.328856	5.874038	7.177032
0.038967	0	0	0	0	0.021156
5.322601	5.967833	8.237036	5.111815	4.456435	3.702332
3.01054	2.203576	2.723198	0.963257	1.687161	2.429211
1.763151	1.014323	1.83363	1.261521	1.323581	1.260419
1.126311	0.51066	0.575421	0.751594	0.920526	0.618968
0.347571	0.217696	0.44749	0.232517	0.262267	0.707504
0.052276	0	0.0569	0	0	0.231592
3.718279	3.692329	5.168578	3.598677	7.526745	4.289547
6.784717	4.717912	8.772343	3.820521	5.746289	4.443617
3.483605	2.055327	6.112385	3.327249	4.018892	2.647693
1.613145	1.875877	3.745311	2.360682	1.895764	2.225524
2.19677	6.839627	11.716858	7.263995	8.999478	3.10975
10.806739	7.524894	10.500449	7.874081	8.559176	9.254797
2.90958	1.865317	2.635152	0.744001	2.024285	3.127981
1.689436	1.157115	2.288535	1.181825	1.206903	1.196848
5.625072	5.040077	7.97076	5.899411	6.24351	4.159078
0.242492	0.175583	0.054409	0.33444	0.025203	0.070079
1.566001	1.667201	2.32848	1.154545	1.857007	0.582019
1.17454	0.891585	1.202511	0.634864	0.9411	0.615581
1.587256	1.293596	1.895423	1.295167	1.492666	1.227541
0.063025	0	0	0	0	0
0.655504	0.420116	0.761685	0.245487	0.364311	0.164205
6.29407	4.679025	10.108573	8.316151	9.78271	5.471102
12.266144	7.799031	13.031951	7.924385	9.118701	7.884404

26.877855	18.227409	16.95857	16.976801	19.521751	17.171709
0	0	1.520391	0	0.247388	0.427068
0	0	0	0	0	0
1.538344	0.576869	1.437796	0.511026	1.049648	1.232493
2.92365	3.028761	4.779347	4.289714	3.755913	3.641182
1.560653	1.250881	1.339996	1.309637	1.840029	1.238339
4.569637	3.501576	4.430579	3.790581	3.214416	3.057576
3.121963	2.65621	3.107647	1.896363	2.146026	1.819225
1.104933	0.805876	1.021218	0.902813	0.691374	0.388418
2.919909	2.075226	2.185875	1.643951	1.73215	2.154597
0	0	0	0	0	0
1.501143	1.354774	1.734215	0.984052	1.149947	1.263411
2.342093	1.615225	1.898947	2.573767	2.035364	1.989687
0.306594	0.374998	1.201133	0.753186	0.804026	0.40211
1.857962	1.129512	2.876897	0.843574	1.664974	1.69041
0.952585	0.953573	1.460685	0.441346	1.15949	1.527741
0.058075	0.231402	0.292541	0.189741	0.114251	0.223761
1.073967	0.73435	1.386814	1.035475	1.479099	0.6431
1.716639	1.636462	1.206923	1.305016	1.485822	1.135301
1.507662	1.462407	1.984173	1.875721	1.753001	1.933274
0.967243	0.722114	0.901397	0.462864	0.664373	0.804642
1.730544	1.778061	1.969716	1.703713	1.181193	0.909645
0.344455	0.218342	0.439054	0.686918	0.590861	0.162526
4.861305	2.42944	5.876359	4.733341	4.51408	3.55256
11.186057	7.540663	6.744533	7.653502	11.3663	5.310379
8.928901	6.82922	10.287862	6.829827	5.456441	5.344016
0.424424	0.345963	0.675571	0.322958	0.570402	0.160298
3.548762	2.206396	2.493457	1.36343	2.120162	3.748257
0.866925	0.490515	0.568364	0.396136	0.703689	0.407011
8.62453	5.855104	6.467791	4.278935	5.338362	7.598126
2.918495	2.7133	3.307232	2.064036	2.498388	2.706409
3.05053	2.347903	4.205923	2.19376	2.518657	3.648267
3.030071	2.708146	3.97126	2.970777	3.032306	2.189587
0	0	0	0	0	0
3.480758	2.213713	2.628555	2.500228	2.867316	2.81031
1.429029	1.33549	1.260698	0.459741	0.614114	1.336509
0.729616	0.589955	0.912272	0.750655	0.676294	1.039968
6.460594	5.558597	7.326377	4.365375	3.469639	7.306255
2.149436	1.520142	2.0473	0.848882	1.599245	1.864889
0	0.112361	0.441238	0.173662	0.428166	0.297243
0.752814	0.740011	1.002466	0.772845	0.770578	0.984411
25.129305	24.56646	29.857492	23.590166	28.53755	26.022339
6.273757	9.208455	6.622921	5.291096	8.928834	6.210171
1.524684	1.487512	2.210919	1.516576	1.859959	0.838982
13.652968	11.156482	13.684937	11.192556	13.306	12.604644
0.4544	0.604641	0.498941	0.780493	0.793401	0.046566
6.172863	4.39873	2.56346	4.304031	5.300613	2.645432
0	0	0	0	0	0
0	0	0	0	0	0

7.926867	8.285104	14.713842	8.301568	13.804564	6.94451
3.351996	2.549066	3.797466	3.62543	3.794419	2.36844
16.02815	14.093611	17.402203	10.211678	11.999934	17.03919
21.328884	28.302374	28.332447	23.761679	31.959318	26.886263
3.951423	2.84951	7.246983	3.513796	5.805098	2.720705
7.309759	7.690797	11.074582	5.620795	8.39306	5.606738
0.278317	1.002755	0.331668	0.471323	0.310147	0
3.569284	3.978433	5.270818	2.058491	3.57251	2.993387
0	0	0	0	0	443.367432
1.266312	0.695139	0.657282	0	0.383892	0.448394
11.838304	12.211641	21.963128	9.395608	15.389027	11.460705
0.768141	0.480817	2.182783	0.854729	1.143342	0.666628
7.253171	4.155685	4.349244	1.993791	2.94066	3.605288
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3.582451	3.458589	5.359752	3.470816	4.746906	4.965524
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1.722092	2.517999	3.901288	1.974911	2.546012	1.827442
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1.030809	0.745146	1.032463	0.408651	0.848438	0.591965
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0.93204	3.050761
2.693862	6.603754
22.124493	14.357456
0	0
3.554781	2.232499
7.460745	7.558919
8.610288	7.132097
96.358719	61.547131
4.787633	10.22994
22.004263	29.536266
27.454689	42.943417
15.692397	28.70727
12.624763	13.478497
2.220263	3.401493
10.880499	9.998375
1.154045	0.722119
0	0.119473
15.975073	16.632736
7.281128	9.3215
11.065514	8.508056
2.46443	3.303618
20.535741	19.849928
3.204117	5.108262
17.294582	28.035458
0	0
3.414714	6.082914
8.762815	13.586773
73.845688	44.112633
8.518375	3.414032
17.29632	22.749556
0.004957	0.073316
25.407078	33.790333
4.100645	7.610794
28.879061	18.198328
35.170067	35.230644
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14.545208	20.26447
9.655573	12.239155
12.258179	7.105804
4.149398	9.875894
8.809214	16.388219
0.891747	3.459867
2.575442	11.227602
0.320546	0.223516
4.321132	14.176662
2.032162	13.215321
10.499453	2.507531
0.789426	0.461183
7.306402	2.966925
0	0
3.299921	27.530658
0	0
19.854153	53.524529
2.136154	2.800008
7.330771	13.113251
7.516409	5.090718
99.198212	78.039978
291.945221	192.685455
432.380676	219.679718
17.17383	11.124841
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70.421822	34.242443
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11.699084	11.679218
91.983849	61.995441
133.515808	76.993973
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29.266396	16.085318
146.726807	92.472191
4.890545	34.317852
1.025265	2.422082
3.602698	8.283643
1.771949	8.4739
130.643433	65.111343
64.274666	39.739738
97.812637	40.758656
8.757962	16.601421
15.830909	11.857352
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1.684183	0.751032
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4.422879	20.062687
443.899109	221.735863
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12.798906	12.495412
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0	0.132876
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0.721424	6.32975
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83.158958	37.352638
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1.187454	2.63924
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2.750079	6.122415

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25.411367	24.242176
45.972496	47.112774
1.314267	1.213026
22.605579	22.629377
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0	0
0	0.098948
7.965445	9.704319
6.850548	19.528554
0	0
0.578236	0.867439
568.625427	232.279099
2.409832	0.98439
0.151283	0.10484
0.933261	0.37861
1.052212	5.323371
8.601613	11.271117
0.972333	0.646655
62.833721	39.529873
4.46291	3.674955
0.272352	0.842369
12.766593	7.6069
0	0
2.382503	6.382427
4.153689	8.785853
21.136454	7.855897
8.927933	13.444654
3.195872	7.818895
0.116211	0.066839
0	0
0.881587	2.359799
0	0
60.796875	48.966282
0.190783	0.411909
0.733175	0.26129

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0	0
0.246608	0.509602
0	0.525125
0	0.249302
0	0
0	0
1.939755	2.717946
0	0
0	0.072539
2.475983	1.242473
0	0
0	0
0.120816	0
0.713172	0.328104
0.135542	0
0	0
0.1123	0.103344
0	0
0	0
0	0.098252
0	0
0	0.154101
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0	0
0	0
0	0
1.693219	1.539484
0	0
0	0
0.068274	0
0.22678	2.578806
0	0
0	0
0	0
0	0
0.951736	0.612809
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0	0
0	0
167.943726	69.42749
0	0.67015
0	0.091115
0.164275	0.695636
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0	0
0	0

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0	0
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1.147589	6.254168
12.631718	7.28378
61.591438	56.097733
3.019889	4.480172
14.637255	5.850973
73.194221	60.608662
54.145896	30.791323
5.124941	13.862115
12.48563	30.788521
0.038459	0.021008
0.071315	0.080519
1.067103	2.613474
11.91698	13.033071
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0.507711	0.568829
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1.843686	15.490215
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6.186868	7.619229
0.1693	0.234479
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7.791661	13.381309
12.56663	10.475788
3.99118	12.757661
1.133379	1.49508
3.238586	4.27097
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6.488752	13.981672
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2.782061	4.203785

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7.858668	6.839109
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0	1.025286
1.013515	4.220246
1.733916	2.789708
0	0.241006
28.571125	42.819935
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0.922756	2.784481
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0	0.118147
0.644958	1.826998
1.768098	1.094228
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1.298902	4.31485
0.092308	0.363818
7.060389	10.622701
8.012356	12.104405
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0.229216	0.132247
0	0.844125
0	0.212302
1.751707	1.039588
2.359042	11.544064
0.839998	0.977084
1.937213	6.619765
12.794312	28.120407
4.742713	9.047516
4.860594	10.778154
0.604173	1.154184
6.704448	15.540526
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0	0
0	0
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0	0
0	0.159952
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0	0
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0.322622	0.988184

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6.657029	5.885085
23.90802	25.871805
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0	0
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0.050551	0.077724
0.087802	1.419152
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9.514653	18.652008
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10.801029	11.954906
56.76836	58.085144
9.951543	12.773083
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32.499451	18.633959
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0	0
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0.342406	0.460682
0	0
0	0
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2.56395	1.327337
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4.345238	7.119637
6.807072	10.540012
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0.483374	2.076394
0.030081	0.16548
36.599049	20.56426
18.590927	10.424123
15.395721	8.251564
4.469963	9.618787
5.677322	20.416906
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0	0
0.347064	1.181799
1.733826	3.547897
1.454262	3.732191
3.795904	6.503199
5.163156	10.100323

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0	0
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6.603021	8.748088
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0	0
0.095396	0.16131
0.120019	0.202213
0	0
0.386573	1.082286
0	0
198.472183	102.913994
0	0.02336
0.206921	0.871782
2.299096	1.162108
30.066637	38.921791
14.990222	6.322072
7.795952	9.717459
0	0
10.095083	26.455812
2.105235	4.831128
0	0.036653
6.866214	6.702945
4.496259	5.478915
0.040929	0.151673
3.960912	2.860834
0	0
0	0
9.588583	3.554834
1.253898	0.749328
3.984141	8.120623
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0.142907	0
10.093102	13.167915
2.420435	2.277274
4.764487	12.441203
2.287384	7.165085
0.100755	0.41787
6.312776	8.860713
2.431294	18.639967
25.215357	20.126964
3.692864	3.74793
4.604462	16.951378
4.160728	17.146742
0.488472	1.295309
0.201507	0.369297
2.491176	5.363409
0.509934	3.70385
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0	0.197323
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0.944401	1.83993
11.99799	10.42724
4.878169	8.202708
1.670814	4.24217
0.782066	0.990933
0.20527	1.776702
0.546399	0.486584
0.868753	1.574805
0	0
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0.811633	2.147432
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0.587007	0.404994
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8.795077	10.262934
4.034857	2.441956
11.601409	42.658684
12.476797	9.675841
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8.683734	11.050776
4.286874	7.186676
1.23574	1.404684
0.33376	1.471709
0.728223	1.014706
0.985874	1.037248
0.156731	0.910262
0	0
3.96225	9.961451
1.112056	2.231094
0.932601	2.283753
0.114597	0.678292
3.108303	3.77688
0.542899	1.504972
0	0

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4.391336	3.682374
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13.385192	24.54467
13.794462	13.832892
19.40228	7.164973
0.04957	0
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17.468334	29.536413
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4.920452	6.10756
2.464792	3.092341
2.615037	3.217117
4.134759	4.788855
0	0.033043
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27.057604	42.852394
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3.958162	45.147343
0.78874	0.889704
0.28865	5.106613
2.985778	42.383644
0.156706	0.126714
423.831848	186.786804
0.108799	0
8.059565	17.805189
3.208473	4.957635
1.983273	8.03161
0.218576	0.351676
0	0.061273
3.915455	7.617384
2.922153	3.009925
0.228482	0.870299
1.623557	1.875595
1.004813	3.815762
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2.524132	8.449525

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0.061982	0.591118
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6.371097	6.084165
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0.52745	3.278406
5.684788	6.103059
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0	0.212148
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0.9901	8.255895
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22.676407	36.67902
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33.030838	22.403151

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0.829588	4.387093
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6.494405	7.968558
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0.052173	0.240059
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0	0.377999
0.289073	4.440945
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6.890414	4.466155
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2.970071	4.448089
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4.181493	4.675971
0.86139	2.607328
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0.16792	0.285154
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9.984159	8.305735
6.197392	9.817506

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12.983421	28.604738
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14.898606	39.091599
19.44974	27.757478
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9.194708	4.26733
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254.751517	128.095684
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0	0
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0	0
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8.92735	8.273511
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2.622484	6.806001
4.592062	6.864367
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3.159142	9.47704
8.911924	30.280961
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0	0
9.906739	4.412491
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0.015201	0.026671
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1.897581	3.482353
4.40321	5.519735
3.039388	3.564929
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3.229456	5.875903
0.138107	0.353712
1.024426	10.474332
9.352183	30.701611
0	0.731204
64.11644	25.580479

6.498441	8.772196
0	0
0.230785	0
0.138444	1.330345
0	0.122427
248.539932	113.730225
0	0
0	0
0	0
0	0
0	0
0	0
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0	0
0	0
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0	0
0	0
0	0
0	0
0	0
0	0
0	0
1.040309	1.085694
7.743975	10.523069
7.52246	11.725631
2.410683	1.654622
0	0
0	0
0.339685	0
174.998047	53.999641
0	0
0	0
0	0
0	0
0	0
0	0
1.028278	0.756745
1.081	1.261153
26.290821	32.84533
3.432372	3.678628
0	0
0	0
13.506956	12.125828
17.166516	62.93314

1.811007	1.462077
0.018706	0.169842
480.311677	649.261169
0	0.326615
2.321226	2.754992
0	0
39.40535	15.818501
45.228561	32.834212
0	0
0	0.058572
2.084652	3.570874
1.433233	5.01589
9.105318	11.384428
0	0
0.105934	0.147536
173.285187	60.731178
2.058708	1.726628
124.707657	88.37294
0.427641	2.832992
0.322089	0.860721
0	0
0.344236	1.013423
0	0
0	0.132386
11.468272	31.422846
1.951906	3.524728
3.827886	6.616749
5.228731	8.464598
12.974045	30.056286
1.733781	1.868958
11.282444	10.286368
0	0
1.311412	3.120951
14.346845	41.288719
9.714471	20.454107
20.672384	16.285751
0.887377	1.255348
10.391408	9.901775
3.558837	10.046966
209.46843	1272.718872
0	0
0.501105	0
30.377052	148.227272
32.462788	30.524275
3.819789	5.641316
0.059083	0.024788
0.315832	1.740956
37.045256	23.402507
306.471184	111.247221

11.08494	8.250643
0	0
0.292889	1.096433
0.094246	0.378011
0.363641	1.24646
74.380547	173.885956
8.531517	5.058661
0.377289	0.716009
0.44063	12.013501
0	0
0	0
0	0
6.514606	29.875362
0	0
2.657124	10.133641
0	0
0	0.051708
0	0
13.29872	12.509335
0	0
0	0
1.607548	1.080015
0	0
0	0
0	0
1.604928	2.597762
0	0
0.038292	0.923052
16.092056	15.788279
0.667009	7.192427
27.692047	14.900201
2.951982	10.36424
4.047602	6.086519
1.035238	1.372893
7.157306	27.017118
3.780862	2.013227
0.774822	0.772054
10.409511	34.104485
0	0
18.328529	28.177047
0.290512	0.457846
7.046298	9.709723
6.859863	18.582991
4.498281	10.668901
2.121049	7.428351
2.835409	11.133655
3.935641	12.75642
23.370747	14.938882
0	0

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3.540615	3.741814
1.582538	2.896408
5.560314	1.777624
0	0.503559
10.457856	14.289202
1.242888	3.71921
0	0
0	0.03804
0.097841	0.075925
0.240054	3.32213
0	0
0.328844	3.017587
0	0
0.082241	0.596377
0.173837	0
0.997226	2.065814
81.927441	43.560701
85.338341	37.631824
3.50883	3.069471
0	0
4.98356	2.917717
0	0.033714
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0	0
0	0
0	0
0.302896	0.435752
4.619409	3.15413
4.166336	3.478287
51.395432	54.232342
0.091146	0.053526
4.388261	30.677015
0	0
2.969193	14.097749
6.323398	3.351219
17.491669	29.241255
71.275104	57.757044
0	0.166045
68.37767	50.699291
9.963707	9.029893
0.705984	1.478671
4.40081	14.86789
7.611877	7.666338
5.191102	4.895237
0.77872	2.394859
20.278315	15.189167
11.077772	18.80176

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42.714705	172.089653
4.176473	10.763219
3.603788	6.928048
0	0.272298
1.111546	3.776481
3.564881	5.756618
0	0
9.661081	23.238415
4.616888	6.615259
0.269928	0.461296
0.191715	0.066159
0.315374	0.249462
3.71425	4.771928
0.037497	0.147056
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0	0
0.790903	0
0.737759	2.354293
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0.58392	0.512677
4.530962	3.949363
0.751242	5.073645
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2.946297	1.900004
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2.133	2.082705
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1.567637	0.516462
0.078143	0.096885
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2.875531	14.080582
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5.037248	36.933395
3.582824	5.720374
1.96237	20.057638
0.140953	0.766068
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0.100128	0.272605
0	0.505786
6.402192	5.247144
1.711432	9.601485
1.930408	2.730504
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26.277885	17.031398
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1.121413	2.840279
6.333478	4.180585
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3.6421	4.90892
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0.997673	1.025987

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0.922448	0.461285
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15.057196	35.089985
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1.868193	6.782457
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5.048022	2.292599
2.948816	4.407003
17.912024	30.184742
9.243569	12.920759
0.333893	2.081672
15.039577	26.386177
17.653952	13.726094
0.619293	1.285477
0.18209	0.819016
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0	0
4.111546	7.830545
0.600245	0.572083
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1.970931	3.931885
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0.18214	0.065293
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2.016922	3.687653
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1.41081	2.864654
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29.899275	9.807899
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9.364399	18.927322
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0	0.140082
0.216094	1.666594
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0.161986	0.122713
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1.718446	9.396392
9.94512	6.85672
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0.12679	0.426958
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0.237606	1.38807
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0.789795	2.668996
15.167553	26.308304
13.093925	26.388346
10.394884	20.237858
22.944481	40.519186
24.447937	94.164749
32.825027	60.265835
20.135359	39.996803
6.777624	10.253386
32.399551	67.025162
14.181581	48.716652
0	0.197403
13.929178	42.085818
129.677019	62.123428
15.321502	10.962777
7.588892	6.481761
0.332203	0.020492
14.97779	18.261276
2.850943	2.101715
0.71068	2.296905
0.131029	0.35571
3.345621	29.126651
1.363902	22.136936
7.276186	112.169373
6.938929	63.974039
34.198223	55.35677
2.439197	6.882538
0.240675	0.126139

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3.186262	5.958379
9.695775	11.221511
13.19266	29.87008
21.628624	41.202098
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0.194992	1.088424
24.649294	12.907873
3.329253	9.166855
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5.711796	23.770035
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21.104477	11.52577
257.770242	127.377773
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12.478057	13.866063
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14.15331	25.569588
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1.253128	2.958061
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6.564245	7.598934
21.759235	12.434701
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1.952929	2.554068
1.961957	2.730147
2.044997	4.334485
6.836346	5.15684
2.984591	2.915041
2.23046	1.765364
2.872028	1.339129
14.595717	0
334.516388	753.293762
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4.798847	8.789635
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10.005723	22.776266
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6.125365	5.292787
0.058969	0.210936
51.99052	69.17524
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0.067873	0.108472
0.208339	0.09629
0.052817	0.036576
0.234372	0.57929
4.13883	7.918642
19.08091	14.458167
1.402473	1.106981
4.259376	5.983244
5.337006	14.611582
5.560686	8.014579
16.571709	11.044872
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9.088698	7.439857
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0.130938	1.042157
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2.084226	1.22875
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3.93619	6.155568
0.027992	0.128453
6.414842	3.003672
4.857566	1.479599
39.423229	57.731121
7.216317	15.322566
22.302642	14.565687
0	0.024032
15.30186	33.190746
0.253846	0.464912
24.124502	5.674909
70.55159	82.121254
0.095858	0.176425
15.007253	20.815826
1.112433	2.617476
0.632436	0.619793
0.210065	0.81792
3.826787	8.550343
0.48448	1.492116
0.400344	3.62665
0.211117	0.183969
0.360547	0.431875
40.199898	18.169779

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27.925714	25.646837
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5.213818	5.619065
9.330484	21.910818
3.181975	3.018754
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162.14151	69.051514
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1.059676	0.964699
0.613954	0.191592
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71.017136	25.314121
0.212572	0.122262
0.325124	3.236258
1.003549	7.53335
30.808159	41.914054
46.9841	90.288055
3.388015	15.438217
0.612223	3.842672
16.671305	35.126411
33.236061	32.391533
29.778961	47.963303
2.302202	6.846992
8.765207	10.701067
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4.314576	11.958673
6.99276	24.714065
3.240021	3.903096
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1.39588	5.466552
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3.483875	4.097915
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6.317521	58.392087
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0.785533	1.342325
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4.282918	26.330956
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13.624638	13.446299
0.973715	0.407984
152.513626	68.218178
161.335449	117.61763
1.028083	1.663487
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0.896891	0.904174
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4.138974	1.57147
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5.240055	18.57923
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1.078825	8.451123
0.411265	1.830256
676.421997	307.447449
22.638365	52.762833
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16.964373	16.886842
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6.828128	15.162254
33.65519	31.065739
8.149136	12.917907
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10.133246	32.529207
2.065912	2.768125
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0.956002	1.717415
0.864555	1.029671
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0.04934	0
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5.793067	6.15307

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4.88465	9.098559
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1.141584	2.414071
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1.724782	3.543374
5.324991	18.421799
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0.080391	0.612098
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9.212588	15.747986
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0	0
15.508473	42.983521

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0	0
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0	0
0	0
0	0.059799
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0	0
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0	0
0	0
0	0
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0	0
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0	0.063115
0	0
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7.759072	14.938084
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1.39213	16.962042
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0.135844	0
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3.154487	4.489032
4.540468	22.17128
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1.861704	4.768119
1087.782715	588.660706
42.599766	23.978466
26.681486	17.763796
0.912073	6.323525
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0	0
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8.02872	3.061464
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0.143377	0.035068
9.962276	11.945473
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3.946141	3.57276
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3.551663	6.470617
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0.359876	0.28872

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0.838606	2.170671
2.934792	2.604242
7.121823	6.982015
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8.684205	9.160636
0.550023	5.399703
0.332389	0.813071

0.451286	1.643233
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0.341963	0.120216
0.087499	0.631343
0.063471	0.151413
0.802238	3.608064
4.013022	3.444643
0.530697	0.305814
6.071248	17.831195
3.4203	11.761787
0.222153	0.089312
0	0
8.44259	15.67539
0	0.349202
2.705253	6.070534
17.281967	32.743595
9.561787	21.899679
0	0
0	0.339861
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0	0
1.041721	35.775731
1.054418	1.519226
0.343236	0.637735
0	0
1.242975	0.630604
3.376414	54.164849
0	0.750289
0	0
0	0
5.454269	7.066687
10.412256	28.528688
12.373994	18.745028
0	0
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6.387525	12.241638
2.038071	2.989073
2.462308	4.139911
12.352211	12.916366
7.109157	23.112875
7.407208	20.59185
0.385826	0.695882
0.40264	0.992867
42.047562	23.637688
15.598688	15.79238
3.518945	7.303788
15.138226	17.630709
6.92798	10.110578
5.391546	5.177631

5.340496	12.388274
18.815636	57.139584
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9.670843	19.448991
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18.646833	20.206886
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87.329849	97.367836
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61.279484	96.924461
27.281893	30.57398
0.273642	0.765756
0.689757	3.014635
14.917265	16.141958
12.960463	10.180117
5.821107	20.506304
7.388674	9.29794
1.93851	3.708359
8.101106	13.17102
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6.483806	9.995741
0	0
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29.851716	35.066456
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25.593153	29.827348
4.264908	9.11729
3.258539	12.702143
2.247587	1.382132
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0.58247	13.340295
0	0
0	0
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1.774111	5.06816
8.418524	20.651592
3.172783	2.353239
10.121152	20.743933
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0	0.082274
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10.916659	22.937771
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0	2.507558
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3.149151	6.716607
3.650086	6.010907
1.99483	3.86549
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8.288632	28.472129
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3.802702	2.600517
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10.972718	11.436245
5.551002	10.202248
5.288008	9.33537
6.449147	10.109022
34.571564	61.763538
1.527959	4.698736
0	0.006828
2.223344	7.372363
0	0
12.175689	20.76671
3.807585	8.335222
1.605259	1.940389
0.04279	0.047253
8.916358	19.110121
2.592575	4.813559
9.337058	18.110416
0	0
0	0.268954
3.049855	13.103047
1.580701	1.925954
0	0
0.110652	0
1.784338	3.233823
0	0
3.103079	5.028447
10.792912	16.573715
16.92412	27.05979
30.605598	25.871832
5.690456	8.603773
3.116831	14.996146
27.142799	25.412077
3.864774	12.806967
3.218702	8.065492
0.660226	2.83747

5.384927	7.133721
0.018457	0.101907
0.103373	0.316418
6.058295	9.252643
3.503574	13.09045
14.999622	14.130676
24.470619	35.264561
5.697041	3.816489
3.746305	7.498043
22.885078	23.314548
0.417498	1.257346
4.030375	7.4594
1.627635	1.351876
0	0
1.737306	3.437621
1.585215	1.676034
3.622552	7.328221
1.045438	1.987008
0.46981	0.580979
12.570658	19.934952
0.637284	0.775626
1.139751	0.783679
0.383106	0.955894
6.203053	6.13387
0.831179	1.298317
0.215057	0.836712
1.72381	1.535779
0.086082	0.147915
0.871007	0.827568
0.884611	0.673761
1.628558	4.586121
2.265094	2.303315
0.936608	0.698343
0.766018	2.088883
4.06678	8.304077
0.043687	0
0.387617	0.756153
1.397794	1.766491
1.14009	4.873129
2.25097	4.422808
8.260967	17.224928
3.700987	4.969564
1.070792	1.76415
1.755341	2.741481
0.894451	2.851785
0.370735	0.476323
3.668334	6.129527
0.683906	0.432813
0.104635	0.677667

0.092765	0.129562
1.728543	1.376004
4.387176	6.131893
0.61716	1.274358
0.267159	1.593494
23.280493	39.145459
2.606426	6.266038
1.892491	3.19712
2.841703	8.357987
6.304469	11.255187
0.944562	0.604834
1.195606	2.07767
2.451323	3.914035
0.451996	2.652818
0.424554	1.556359
0.905406	4.236675
0.79964	1.437011
4.992688	10.182993
3.527838	10.642961
0.318516	2.216167
1.37193	2.647272
0.290558	0.528667
2.258754	6.078942
3.880835	9.15778
5.585754	8.799691
0.278249	1.259367
1.962562	3.432966
0.731427	3.023142
0.981453	3.398668
3.986059	7.338681
1.300714	3.585276
0	0.115255
0.17825	0.673415
2.147512	3.14553
0.359349	2.093513
0.863978	0.899774
0.567249	0.760957
0	0.027938
0.563858	2.292463
3.120663	5.858403
4.175039	0.885402
1.133971	4.31441
2.699693	2.807113
1.843164	2.121225
4.645395	8.433228
0.994565	1.998902
9.388912	17.176016
0.819178	4.012584
4.515647	10.16103

1.200475	1.617637
0	0
2.062866	5.257848
4.016379	4.541808
0	0
0.525392	1.066934
0.621323	0.818871
0.289719	1.724798
4.655148	11.684039
130.512115	62.876411
2.78885	9.216568
0.129481	0.626477
0.215478	0.12352
2.502853	2.593849
1.64866	2.197073
73.779274	45.536659
15.792136	66.416168
0	0
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1.536681	1.682263
7.562071	14.921107
10.816822	12.482024
5.807319	2.471469
0	0.088336
1.86927	3.155365
0	0
0.969847	1.305149
9.549438	12.682192
2.876274	5.51792
0.520964	1.281243
0.357473	0.211275
0.877235	1.999795
2.024801	6.688651
0.741175	1.31564
7.589759	14.894136
5.50735	10.564128
0.41877	0.641146
0	0
0.663945	1.472148
4.438087	1.895516
0.124881	0.114686
1.797123	3.076092
2.287142	4.313846
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0.761025	0.840097
0.569944	0.506466
0.28335	0.447675
3.8555	4.582472

7.675089	8.036405
0.618471	0.902275
0.138379	0.861692
3.227401	9.054862
0.617194	0.64354
0.389957	0.12796
0.342783	0.21255
0.111088	0
0.243077	0.205946
0.123829	0.064612
1.377506	2.988822
0.287007	2.09701
4.658287	4.625539
1.005285	1.558915
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0	0
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2.618161	4.124791
0.99213	1.542274
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2.983157	6.62236
5.224938	15.74072
1.733417	6.815803
1.148308	0.388293
0.496265	0.727052
0.156431	1.48626
0.030654	0.04222
5.265349	10.708618
8.639807	8.819657
0.805506	2.725742
1.612291	2.777131
1.106173	7.80986
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0.532951	0.568835
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0.580052	0.721717
0.501466	3.702049
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1.03491	10.60459
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0.737304	3.852583
0.051144	0.234908
0.469309	1.127195
4.37402	5.654523
4.177838	6.566792
0.871128	0.508839
1.076049	2.750957
15.271593	21.34573
0.236877	0.763515
1.458979	2.019055
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2.197577	3.037142
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0.443677	0.907922
1.088182	3.251832
4.185857	8.917747
0.461939	3.108649
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3.221896	4.582973
0	0.179887
0.212347	0.289074
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0.861354	2.242072
1.617811	3.046409
2.216003	4.677618
13.744179	22.364769
4.470689	7.624551
4.696526	13.590284
2.414481	6.228153
0	0.057725
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2.637786	5.083831
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1.311051	1.151723
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2.405649	6.441072
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2.115017	6.541155
0.55572	1.243975
1.183897	1.569507
2.518292	4.866788
3.793748	8.778457
0.381193	1.857898
1.613025	5.761339
4.03563	25.685002
1.454278	2.357935
18.855572	26.054581
12.097678	8.505785
1.050675	0.280458
0.615065	0.168858
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0.659345	2.204983
0.387622	0.542516
0.541037	0.739551
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8.763392	23.406431
4.081924	6.535755
1.437904	2.347679
0.773816	0.941344
3.557457	2.145699
0.638939	0.492422
0.960987	0.322246
1.170165	1.924841
0.593041	1.078335
0.989558	1.410208
7.027673	7.481631
1.56647	2.779838
8.116909	10.543464
1.11244	1.871412
0.093496	0.185464
0.831079	1.302101
2.285729	7.917556
0.293417	0.37946

0.961975	1.212807
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1.224501	1.516297
0.099752	0.36562
6.398073	7.458648
0.479389	0.854059
1.834387	3.023047
0.33743	0.733889
0.931762	1.422174
1.25233	1.775633
0	0
0	0
0.098393	0.334076
8.539407	5.854749
0.292911	1.15102
1.52368	2.090424
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0.29024	2.973743
0.406189	0.319949
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0.707718	5.270407
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3.477951	4.643662
1.345381	2.240808
0.763787	1.7448
0.818123	0.830412
0.04311	0.209582
0.355749	0.08012
0.777278	7.745682
2.364227	6.423448
1.839118	3.590836
0.935281	1.556391
2.990785	2.549348
5.147705	6.755066
1.467225	1.859651
1.091865	1.656003
3.718431	6.372374
0.863132	0.585415
0.715402	1.330276
3.603039	1.491116
1.778541	1.448329
0.377786	0.053954
0.456447	0.333559
1.596668	6.804717
1.276591	6.789165

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1.323615	2.224914
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2.13388	2.25044
1.413359	2.318727
0.126544	0.603268
1.032984	1.380437
0	0
0.479273	0.947476
0.903649	1.526972
0.762878	0.637815
0.576877	1.549061
0.255358	1.041881
0.238443	0.143374
1.163069	1.000643
1.599998	1.414855
2.004224	1.293255
0.789844	0.955867
1.796025	1.780973
0.285356	0.35643
1.431016	4.285298
3.590642	7.937659
5.512068	5.989323
0.162376	0.49468
1.664033	2.285568
0.988057	0.465696
3.745882	4.851028
1.642063	2.98055
1.894608	3.142936
0.947767	1.486607
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1.493397	1.777523
1.069252	1.236007
0.587593	0.704722
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0.350012	0.608796
0.588954	0.678738
11.763328	18.959089
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0.107699	0.504491
2.367783	4.545602
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0	0

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4.925339	5.077419
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0	0.470722
7.879874	14.793287
0.083735	0.760022
8.117072	5.132135
4.419794	3.537019
7.291497	4.120062
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4.161751	4.072771
2.588894	2.380384
0	0
3.69803	9.292863
0	0
9.068185	10.825169
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2.933126	3.114728
2.198294	4.958644
1.791448	0.70752
1.460056	1.28399
1.629476	0.764956
20.141945	20.338667
1.408927	2.735926
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8.921343	13.520849
8.262351	18.405275
9.236756	15.07455
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2.799752	8.601531
1.482532	4.109573
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1.731597	3.280421

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6.258481	6.821755
33.331821	38.090206
10.881299	9.868685
7.487274	24.506664
3.128448	7.250325
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7.064406	5.307845
6.378893	3.337812
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1.148446	2.590647
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0.488043	2.073304
4.800673	3.594409
3.822716	12.563926
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0.772757	1.810812
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1.771415	2.41397
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6.110387	7.353372
1.462241	2.423812
2.151275	4.383206
8.939033	11.633492
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7.261153	17.307476
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