Gene_Nam	UniGeneID	Chromosor	Start	End	Strand	Min P[Xbar	Probe	P[Xbar]	Probe	P[Xbar]	Probe	P[Xbar]
GPR101		chrX	1.36E+08	1.36E+08	+	1.93E-08	chrX:13583	0.059336	chrX:13583	0.011785	chrX:13583	1.39E-05
OR4K13		chr14	19571618	19573053	+	1.91E-07	chr14:0195	0.00333	chr14:0195	2.67E-06	chr14:0195	1.91E-07
HSPA4L	Hs.135554	chr4	1.29E+08	1.29E+08	+	1.15E-06	chr4:12905	0.081351	chr4:12905	1.11E-04	chr4:12905	1.15E-06
ACTRT1		chrX	1.27E+08	1.27E+08	+	1.29E-06	chrX:12691	0.167117	chrX:12691	0.003956	chrX:12691	5.00E-06
hsa-mir-508		chrX	1.46E+08	1.46E+08	+	1.40E-06	chrX:14602	0.511335	chrX:14602	0.01291	chrX:14602	9.40E-05
STS	Hs.522578	chrX	6993266	6994378	+	1.76E-06	chrX:00699	1.99E-04	chrX:00699	1.76E-06	chrX:00699	0.004747
GCC1	Hs.521168	chr7	1.27E+08	1.27E+08	+	2.22E-06	chr7:12681	0.009749	chr7:12681	3.48E-05	chr7:12681	2.22E-06
HES7		chr17	7969928	7971294	+	2.63E-06	chr17:0079	0.075372	chr17:0079	0.002183	chr17:0079	2.63E-06
KLK14	Hs.283925	chr19	56278768	56280226	+	2.77E-06	chr19:0562	0.002144	chr19:0562	2.77E-06	chr19:0562	7.05E-05
IRX3		chr16	52881665	52883157	+	3.35E-06	chr16:0528	0.255347	chr16:0528	0.085147	chr16:0528	6.39E-04
ALAS2	Hs.522666	chrX	54936303	54937900	+	3.59E-06	chrX:05493	8.05E-06	chrX:05493	4.84E-06	chrX:05493	3.59E-06
CCND2	Hs.376071	chr12	4247693	4249171	+	4.00E-06	chr12:0042	0.062023	chr12:0042	6.40E-04	chr12:0042	4.00E-06
SLITRK4		chrX	1.42E+08	1.42E+08	+	4.18E-06	chrX:14244	0.511768	chrX:14244	0.146662	chrX:14244	5.08E-04
SLC22A2	Hs.436385	chr6	1.61E+08	1.61E+08	+	4.52E-06	chr6:16065	0.01453	chr6:16065	0.006645	chr6:16065	3.96E-05
FLJ13841	Hs.552602	chr17	78393032	78393840	+	6.32E-06	chr17:0783	2.40E-04	chr17:0783	6.32E-06	chr6:16065	3.96E-05
OR4X2		chr11	48223208	48224557	+	6.78E-06	chr11:0482	0.001455	chr11:0482	6.78E-06	chr11:0482	1.12E-04
SLC37A2		chr11	1.24E+08	1.24E+08	+	8.13E-06	chr11:1244	0.502341	chr11:1244	0.161799	chr11:1244	0.018589
BOP1	Hs.535901	chr8	1.45E+08	1.45E+08	+	1.21E-05	chr8:14548	0.021977	chr8:14548	2.63E-04	chr8:14548	1.21E-05
WNT9A		chr1	2.24E+08	2.24E+08	+	1.25E-05	chr1:22444	0.022043	chr1:22444	2.16E-04	chr1:22444	1.25E-05
SCAMP5	Hs.374180	chr15	73073568	73075024	+	1.65E-05	chr15:0730	0.865032	chr15:0730	0.070242	chr15:0730	1.68E-04
NSBP1	Hs.282204	chrX	80182111	80183628	+	1.65E-05	chrX:08018	0.009713	chrX:08018	0.011684	chrX:08018	9.79E-04
HBB	Hs.523443	chr11	5202096	5203599	+	1.69E-05	chr11:0052	0.022429	chr11:0052	6.30E-04	chr11:0052	1.69E-05
SPRR3	Hs.139322	chr1	1.5E+08	1.5E+08	+	1.73E-05	chr1:14978	0.001097	chr1:14978	1.87E-04	chr1:14978	1.73E-05
MTMR11	Hs.425144	chr1	1.47E+08	1.47E+08	+	1.93E-05	chr1:14671	3.47E-04	chr1:14671	2.45E-05	chr1:14671	1.93E-05
OR2D3		chr11	6898565	6900252	+	1.94E-05	chr11:0068	0.408205	chr11:0068	0.029301	chr11:0068	7.27E-04
TCHHL1		chr1	1.49E+08	1.49E+08	+	2.34E-05	chr1:14887	0.00464	chr1:14887	2.34E-05	chr1:14887	8.15E-05
TSPAN6-S	Hs.43233	chrX	99701905	99703269	+	2.39E-05	chrX:0997(	0.116092	chrX:0997(	9.50E-04	chrX:0997(	1.34E-04
SSTR4	Hs.532687	chr20	22961386	22962739	+	2.49E-05	chr20:0229	0.003826	chr20:0229	3.26E-05	chr20:0229	2.49E-05
OR2G2		chr1	2.44E+08	2.44E+08	+	2.67E-05	chr1:24407	0.002065	chr1:24407	2.23E-04	chr1:24407	2.67E-05
EVI5L		chr19	7799044	7800035	+	2.73E-05	chr19:0077	2.73E-05	chr19:0077	9.96E-04	chr19:0077	0.084425
MYF6	Hs.35937	chr12	79598604	79599980	+	2.83E-05	chr12:0795	0.155163	chr12:0795	0.010919	chr12:0795	2.83E-05
EZH1	Hs.194669	chr17	38149848	38151019	+	2.93E-05	chr17:0381	0.441742	chr17:0381	7.55E-05	chr17:0381	2.93E-05
S100A14	Hs.288998	chr1	1.5E+08	1.5E+08	+	2.99E-05	chr1:1504(	0.766913	chr1:1504(	0.414759	chr1:1504(	4.14E-04
INSL4	Hs.418506	chr9	5221063	5222200	+	3.12E-05	chr9:00522	0.028382	chr9:00522	0.001864	chr9:00522	3.12E-05
CRYBB1	Hs.37135	chr22	25337805	25339021	+	3.16E-05	chr22:0253	3.07E-04	chr22:0253	3.16E-05	chr22:0253	0.014312
ZBED2	Hs.136912	chr3	1.13E+08	1.13E+08	+	3.19E-05	chr3:11279	0.448019	chr3:11279	0.013114	chr3:11279	5.26E-04

SMPX	Hs.86492	chrX	21535277	21536478	+	3.21E-05	chrX:02153	0.00923	chrX:02153	7.22E-04	chrX:02153	3.21E-05
MARK1	Hs.497806	chr1	2.17E+08	2.17E+08	+	3.24E-05	chr1:21708	0.108864	chr1:21708	0.055515	chr1:21708	6.12E-04
OR1C1		chr1	2.44E+08	2.44E+08	+	3.57E-05	chr1:24424	0.003611	chr1:24424	2.30E-04	chr1:24424	3.57E-05
DSG4		chr18	27211726	27213072	+	3.66E-05	chr18:0272	0.001384	chr18:0272	3.66E-05	chr18:0272	4.71E-05
chr1:167835731-1678		chr1	1.68E+08	1.68E+08	+	3.83E-05	chr1:16783	1.93E-04	chr1:16783	3.83E-05	chr1:16783	1.85E-04
OR5T1		chr11	55794697	55796140	+	3.87E-05	chr11:0557	0.27745	chr11:0557	0.026457	chr11:0557	1.45E-04
OR4K14		chr14	19552257	19553447	+	4.02E-05	chr14:0195	0.002917	chr14:0195	4.02E-05	chr14:0195	1.44E-04
CTNND2	Hs.314543	chr5	11955780	11957599	+	4.12E-05	chr5:01195	0.974893	chr5:01195	0.843768	chr5:01195	0.254136
ZIC5-ZIC2		chr13	99427743	99429073	+	4.20E-05	chr13:0994	0.07422	chr13:0994	0.012284	chr13:0994	4.20E-05
C1orf183	Hs.485810	chr1	1.12E+08	1.12E+08	+	4.21E-05	chr1:11199	0.157018	chr1:11199	0.005251	chr1:11199	4.21E-05
SMYD5	Hs.516095	chr2	73353507	73354885	+	4.38E-05	chr2:07335	0.543692	chr2:07335	0.160505	chr2:07335	0.002754
LOC90321		chr19	57464976	57466150	+	4.51E-05	chr19:0574	0.021657	chr19:0574	0.007552	chr19:0574	3.14E-04
WISP1	Hs.492974	chr8	1.34E+08	1.34E+08	+	4.78E-05	chr8:13426	0.026005	chr8:13426	5.96E-04	chr8:13426	4.78E-05
RNASE7		chr14	20581906	20583113	+	4.80E-05	chr14:0205	0.007129	chr14:0205	4.80E-05	chr14:0205	8.80E-04
OR6F1		chr1	2.44E+08	2.44E+08	+	4.82E-05	chr1:2442	0.001693	chr1:2442	1.15E-04	chr1:2442	4.82E-05
MIPOL1		chr14	36786543	36788373	+	4.91E-05	chr14:0367	0.234168	chr14:0367	0.004549	chr14:0367	4.82E-04
XKR3		chr22	15679516	15680802	+	4.91E-05	chr22:0156	0.268069	chr22:0156	0.009922	chr22:0156	4.31E-04
FLJ38159		chr11	85073913	85075303	+	5.15E-05	chr11:085	6.74E-04	chr11:085	5.08E-04	chr11:085	5.15E-05
TMEM92	Hs.224630	chr17	45704670	45705920	+	5.20E-05	chr17:0457	0.47919	chr17:0457	0.003864	chr17:0457	5.20E-05
WBSCR17		chr7	70039325	70041426	+	5.20E-05	chr7:07003	0.3573	chr7:07003	0.097992	chr7:07003	0.001199
NMUR2		chr5	1.52E+08	1.52E+08	+	5.66E-05	chr5:15176	0.00137	chr5:15176	0.001807	chr5:15176	5.66E-05
CA5B	Hs.369095	chrX	15526923	15528450	+	5.79E-05	chrX:01552	0.842959	chrX:01552	0.371398	chrX:01552	0.005744
CPA6		chr8	68820307	68821631	+	5.94E-05	chr8:06882	0.394428	chr8:06882	0.022209	chr8:06882	8.65E-05
MTMR8	Hs.442892	chrX	63397403	63398575	+	6.26E-05	chrX:06339	0.061115	chrX:06339	0.002125	chrX:06339	1.76E-04
GFPT1	Hs.468864	chr2	69525967	69527298	+	6.55E-05	chr2:06952	0.656193	chr2:06952	0.106881	chr2:06952	0.009771
CART1	Hs.41683	chr12	84174194	84175473	+	6.88E-05	chr12:0841	0.001155	chr12:0841	6.88E-05	chr12:0841	5.54E-04
ZNF345	Hs.362324	chr19	42033886	42035139	+	6.98E-05	chr19:042	0.562013	chr19:042	0.132637	chr19:042	0.006446
LRIG1	Hs.518055	chr3	66633245	66634563	+	7.18E-05	chr3:06663	0.710484	chr3:06663	0.165055	chr3:06663	2.46E-04
SLCO2B1	Hs.7884	chr11	74539726	74540975	+	7.21E-05	chr11:0745	0.04788	chr11:0745	2.33E-04	chr11:0745	7.21E-05
TNNT1	Hs.534085	chr19	60352628	60353861	+	7.47E-05	chr19:0603	0.011439	chr19:0603	7.47E-05	chr19:0603	3.76E-04
C21orf88		chr21	39908022	39909680	+	8.09E-05	chr21:0399	0.473295	chr21:0399	0.048484	chr21:0399	0.007256
NDN	Hs.50130	chr15	21487251	21488625	+	8.19E-05	chr15:0214	0.001128	chr15:0214	2.58E-04	chr15:0214	8.19E-05
C1orf165	Hs.475348	chr1	48953539	48955443	+	8.34E-05	chr1:04895	0.005953	chr1:04895	8.34E-05	chr1:04895	5.19E-04
LYPD4		chr19	47039555	47040913	+	8.41E-05	chr19:047	0.293206	chr19:047	0.030038	chr19:047	5.59E-04
C14orf133	Hs.16157	chr14	76962697	76963965	+	8.42E-05	chr14:0769	0.127576	chr14:0769	0.002238	chr14:0769	8.42E-05
FGF14	Hs.508616	chr13	1.01E+08	1.01E+08	+	9.25E-05	chr13:1013	0.001521	chr13:1013	2.73E-04	chr13:1013	9.25E-05
FLJ39827		chrX	63193980	63195657	+	9.37E-05	chrX:0631	0.064969	chrX:0631	0.024447	chrX:0631	7.48E-04

HNT	Hs.504352	chr11	1.31E+08	1.31E+08	+	9.42E-05	chr11:1312	0.030702	chr11:1312	2.97E-04	chr11:1312	9.42E-05
ESR1	Hs.208124	chr6	1.52E+08	1.52E+08	+	9.76E-05	chr6:15221	0.011252	chr6:15221	1.46E-04	chr6:15221	9.76E-05
ZDHHC6	Hs.196990	chr10	1.14E+08	1.14E+08	+	9.82E-05	chr10:1141	0.009486	chr10:1141	7.82E-04	chr10:1141	9.82E-05
SLC18A2	Hs.369009	chr10	1.19E+08	1.19E+08	+	9.92E-05	chr10:1189	0.018519	chr10:1189	0.002654	chr10:1189	7.08E-04
KRTHA2	Hs.41752	chr17	36876532	36877714	+	1.00E-04	chr17:0368	0.517056	chr17:0368	0.001558	chr17:0368	1.00E-04
OR6K2		chr1	1.55E+08	1.55E+08	+	1.00E-04	chr1:15548	0.065793	chr1:15548	0.106296	chr1:15548	0.015758
ABCB7	Hs.370480	chrX	74158373	74159596	+	1.02E-04	chrX:07415	0.021152	chrX:07415	0.01197	chrX:07415	4.25E-04
OR6C2		chr12	54130547	54131377	+	1.03E-04	chr12:0541	1.03E-04	chr12:0541	0.005276	chrX:07415	4.25E-04
TCF3	Hs.371282	chr19	1598656	1599878	+	1.04E-04	chr19:0015	0.065876	chr19:0015	0.001078	chr19:0015	1.04E-04
OR1N1		chr9	1.22E+08	1.22E+08	+	1.07E-04	chr9:12236	0.017855	chr9:12236	1.12E-04	chr9:12236	1.07E-04
PLEKHH2		chr2	43771521	43773031	+	1.08E-04	chr2:04377	0.255067	chr2:04377	0.009578	chr2:04377	2.56E-04
OR9A2		chr7	1.42E+08	1.42E+08	+	1.09E-04	chr7:14224	0.024095	chr7:14224	0.003518	chr7:14224	2.21E-04
OR2L13		chr1	2.45E+08	2.45E+08	+	1.12E-04	chr1:24458	0.001725	chr1:24458	1.12E-04	chr1:24458	0.003427
EGFL11		chr6	66264203	66265469	+	1.13E-04	chr6:06626	0.007384	chr6:06626	4.13E-04	chr6:06626	1.13E-04
OR6N1		chr1	1.56E+08	1.56E+08	+	1.18E-04	chr1:15554	1.18E-04	chr1:15554	2.05E-04	chr1:15554	2.50E-04
TAS2R16	Hs.272395	chr7	1.22E+08	1.22E+08	+	1.20E-04	chr7:12223	0.031072	chr7:12223	0.005689	chr7:12223	1.20E-04
OR4B1		chr11	48194917	48196124	+	1.20E-04	chr11:0481	0.001626	chr11:0481	1.20E-04	chr11:0481	2.80E-04
KCNN2	Hs.98280	chr5	1.14E+08	1.14E+08	+	1.22E-04	chr5:11372	0.100307	chr5:11372	0.008733	chr5:11372	1.22E-04
SRPX2	Hs.306339	chrX	99705428	99706589	+	1.22E-04	chrX:0997	0.089291	chrX:0997	0.064171	chrX:0997	0.008888
PLCB1	Hs.310537	chr20	8060009	8061510	+	1.23E-04	chr20:008	0.455623	chr20:008	0.137504	chr20:008	5.69E-04
hsa-mir-450-2		chrX	1.33E+08	1.33E+08	+	1.24E-04	chrX:1334	0.039725	chrX:1334	6.96E-04	chrX:1334	1.24E-04
MSC	Hs.442619	chr8	72916694	72917814	+	1.25E-04	chr8:07291	6.97E-04	chr8:07291	1.25E-04	chr8:07291	0.005235
CPA6		chr8	68818681	68820142	+	1.26E-04	chr8:06881	0.00302	chr8:06881	2.80E-04	chr8:06881	3.43E-04
HYAL4	Hs.28673	chr7	1.23E+08	1.23E+08	+	1.27E-04	chr7:12309	0.009141	chr7:12309	1.27E-04	chr7:12309	1.55E-04
PSD2		chr5	1.39E+08	1.39E+08	+	1.32E-04	chr5:13915	0.462488	chr5:13915	0.009988	chr5:13915	4.55E-04
OR4C6		chr11	55189346	55190505	+	1.36E-04	chr11:0551	0.015722	chr11:0551	0.003477	chr11:0551	5.03E-04
POF1B	Hs.267038	chrX	84440063	84441178	+	1.37E-04	chrX:0844	0.018624	chrX:0844	0.005819	chrX:0844	1.37E-04
LRP11		chr6	1.5E+08	1.5E+08	+	1.39E-04	chr6:15028	0.572122	chr6:15028	0.292939	chr6:15028	0.010688
HEXB	Hs.69293	chr5	74017033	74018253	+	1.40E-04	chr5:07401	0.002839	chr5:07401	5.46E-04	chr5:07401	1.40E-04
FY	Hs.153381	chr1	1.56E+08	1.56E+08	+	1.43E-04	chr1:15598	0.004079	chr1:15598	0.015192	chr1:15598	3.93E-04
ATP6V0D2		chr8	87179745	87180812	+	1.51E-04	chr8:08718	0.016297	chr8:08718	5.67E-04	chr8:08718	1.51E-04
TGFB2	Hs.133379	chr1	2.15E+08	2.15E+08	+	1.52E-04	chr1:2149	0.098423	chr1:2149	0.012404	chr1:2149	5.48E-04
KRTAP20-2		chr21	30925125	30926649	+	1.52E-04	chr21:0309	6.26E-04	chr21:0309	4.50E-04	chr21:0309	1.52E-04
ARHGAP2	Hs.483238	chr1	94416451	94417853	+	1.52E-04	chr1:09441	0.486254	chr1:09441	0.521175	chr1:09441	0.0479
CACNG7		chr19	59103418	59104471	+	1.52E-04	chr19:0591	0.040904	chr19:0591	0.01517	chr19:0591	4.22E-04
CRISP3	Hs.404466	chr6	49818476	49819783	+	1.54E-04	chr6:04981	0.101827	chr6:04981	0.003134	chr6:04981	3.30E-04
ESRRG	Hs.444225	chr1	2.14E+08	2.14E+08	+	1.59E-04	chr1:21365	0.330567	chr1:21365	0.018023	chr1:21365	4.18E-04

COPS5	Hs.491912	chr8	68135972	68137080	+	1.60E-04	chr8:06813	0.017345	chr8:06813	1.60E-04	chr8:06813	4.86E-04
OR5V1	Hs.272280	chr6	29430807	29432086	+	1.61E-04	chr6:02943	0.081921	chr6:02943	0.010068	chr6:02943	0.002224
PVRL4-KARCA1		chr1	1.58E+08	1.58E+08	+	1.64E-04	chr1:15787	0.064482	chr1:15787	1.64E-04	chr1:15787	8.24E-04
TXNDC12		chr1	52231515	52232980	+	1.69E-04	chr1:05223	0.243539	chr1:05223	0.020853	chr1:05223	5.34E-04
OR9A2		chr7	1.42E+08	1.42E+08	+	1.70E-04	chr7:14224	0.006601	chr7:14224	1.70E-04	chr7:14224	4.85E-04
OR8U1		chr11	55899593	55900917	+	1.73E-04	chr11:0558	0.034972	chr11:0558	0.003865	chr11:0559	6.66E-04
GNA12	Hs.487341	chr7	2654363	2655880	+	1.78E-04	chr7:00265	0.151446	chr7:00265	4.43E-04	chr7:00265	1.78E-04
ELL2	Hs.192221	chr5	95320523	95321712	+	1.79E-04	chr5:09532	0.020636	chr5:09532	2.71E-04	chr5:09532	1.79E-04
HLX1	Hs.74870	chr1	2.17E+08	2.17E+08	+	1.83E-04	chr1:21744	0.155204	chr1:21744	0.001655	chr1:21744	1.83E-04
ZBTB33	Hs.143604	chrX	1.19E+08	1.19E+08	+	1.84E-04	chrX:11916	0.065778	chrX:11916	0.017489	chrX:11916	0.003085
chr6:033182920-0331		chr6	33182508	33183679	+	1.86E-04	chr6:03318	0.010224	chr6:03318	1.86E-04	chr6:03318	2.69E-04
MIST		chr4	10367243	10368508	+	1.89E-04	chr4:01036	0.18448	chr4:01036	0.062915	chr4:01036	1.89E-04
KIAA0020	Hs.493309	chr9	2825741	2826798	+	1.92E-04	chr9:00282	0.004418	chr9:00282	1.92E-04	chr9:00282	0.006252
LCE3E		chr1	1.49E+08	1.49E+08	+	1.93E-04	chr1:14935	8.49E-04	chr1:14935	1.93E-04	chr1:14935	0.016498
AGT	Hs.19383	chr1	2.27E+08	2.27E+08	+	1.94E-04	chr1:22715	0.02098	chr1:22715	5.67E-04	chr1:22715	1.94E-04
OR1B1		chr9	1.22E+08	1.22E+08	+	1.96E-04	chr9:12247	0.035273	chr9:12247	0.002779	chr9:12247	0.001557
ADH6	Hs.518892	chr4	1E+08	1E+08	+	1.96E-04	chr4:10049	0.037039	chr4:10049	0.031287	chr4:10049	0.007108
chr1:241839885-2418		chr1	2.42E+08	2.42E+08	+	1.97E-04	chr1:24183	0.116905	chr1:24183	0.010257	chr1:24183	2.45E-04
SIX3	Hs.227277	chr2	45077927	45079264	+	1.99E-04	chr2:04507	0.651656	chr2:04507	0.106708	chr2:04507	0.009727
SPRR1A	Hs.46320	chr1	1.5E+08	1.5E+08	+	2.12E-04	chr1:14976	0.004414	chr1:14976	3.79E-04	chr1:14976	2.12E-04
FTH1	Hs.446345	chr11	61489252	61490292	+	2.17E-04	chr11:0614	0.10276	chr11:0614	0.001406	chr11:0614	2.17E-04
ANKRD7	Hs.371820	chr7	1.17E+08	1.17E+08	+	2.19E-04	chr7:11745	0.031971	chr7:11745	0.001592	chr7:11745	6.92E-04
OR10W1		chr11	57790867	57792139	+	2.19E-04	chr11:0577	0.007239	chr11:0577	7.10E-04	chr11:0577	2.19E-04
RUNX1	Hs.149261	chr21	35344897	35346152	+	2.20E-04	chr21:0353	0.134082	chr21:0353	0.009281	chr21:0353	2.20E-04
KCNK5	Hs.444448	chr6	39307006	39308205	+	2.20E-04	chr6:03930	0.152595	chr6:03930	0.023053	chr6:03930	3.83E-04
OR13F1		chr9	1.04E+08	1.04E+08	+	2.20E-04	chr9:10434	0.112603	chr9:10434	6.17E-04	chr9:10434	2.20E-04
CLEC5A	Hs.546358	chr7	1.41E+08	1.41E+08	+	2.33E-04	chr7:14109	0.169409	chr7:14109	0.008359	chr7:14109	6.19E-04
HOXC10	Hs.44276	chr12	52660235	52661652	+	2.39E-04	chr12:0526	8.43E-04	chr12:0526	2.39E-04	chr12:0526	0.001214
FOXR2		chrX	55533511	55534826	+	2.45E-04	chrX:05553	0.079413	chrX:05553	0.041682	chrX:05553	0.005598
HOXB8	Hs.514292	chr17	44045757	44046908	+	2.48E-04	chr17:0440	0.183277	chr17:0440	0.01705	chr17:0440	2.48E-04
EXT1	Hs.492618	chr8	1.19E+08	1.19E+08	+	2.57E-04	chr8:11919	0.002015	chr8:11919	2.57E-04	chr8:11919	9.59E-04
SYBL1	Hs.24167	chrY	57551769	57553276	+	2.67E-04	chrY:05755	0.225384	chrY:05755	0.027524	chrY:05755	2.67E-04
NAP1L2	Hs.66180	chrX	72217034	72218290	+	2.70E-04	chrX:07221	0.085828	chrX:07221	0.066893	chrX:07221	0.019128
HAS1	Hs.57697	chr19	56919981	56920857	+	2.71E-04	chr19:0569	0.053275	chr19:0569	0.001014	chr19:0569	2.71E-04
LOC339344		chr19	51085104	51086383	+	2.73E-04	chr19:0510	0.069356	chr19:0510	0.001394	chr19:0510	2.73E-04
KRIT1	Hs.531987	chr7	91518428	91519693	+	2.74E-04	chr7:09151	0.049475	chr7:09151	7.34E-04	chr7:09151	2.74E-04
SIX1	Hs.54416	chr14	60189312	60190875	+	2.75E-04	chr14:0601	0.480177	chr14:0601	0.059083	chr14:0601	2.75E-04

CCL5	Hs.514821	chr17	31230930	31232318	+	2.81E-04	chr17:0312	0.268531	chr17:0312	0.082857	chr17:0312	7.64E-04
chr8:039291324-0392		chr8	39290669	39291998	+	2.82E-04	chr8:03929	0.417114	chr8:03929	0.01491	chr8:03929	3.75E-04
TNFRSF1A	Hs.279594	chr12	6319636	6320853	+	2.87E-04	chr12:0063	0.088426	chr12:0063	3.77E-04	chr12:0063	2.87E-04
A2M	Hs.212838	chr12	9156942	9158143	+	2.98E-04	chr12:0091	0.011078	chr12:0091	2.98E-04	chr12:0091	0.003556
BRAF	Hs.490366	chr7	1.4E+08	1.4E+08	+	3.07E-04	chr7:14007	7.65E-04	chr7:14007	9.22E-04	chr7:14007	0.001531
EBF		chr5	1.58E+08	1.58E+08	+	3.08E-04	chr5:15845	3.44E-04	chr5:15845	3.08E-04	chr5:15845	0.088715
NDUFS5	Hs.472185	chr1	39160894	39161648	+	3.10E-04	chr1:03916	3.10E-04	chr1:03916	0.002049	chr5:15845	0.088715
OR5BU1		chr1	2.45E+08	2.45E+08	+	3.14E-04	chr1:24517	0.00576	chr1:24517	3.14E-04	chr1:24517	4.24E-04
OR2B11		chr1	2.44E+08	2.44E+08	+	3.14E-04	chr1:24394	0.01103	chr1:24394	3.14E-04	chr1:24394	0.005963
DSG1	Hs.2633	chr18	27150006	27151436	+	3.14E-04	chr18:0271	0.003176	chr18:0271	5.81E-04	chr18:0271	3.14E-04
SPOCK3	Hs.481133	chr4	1.69E+08	1.69E+08	+	3.15E-04	chr4:16852	0.118098	chr4:16852	0.003673	chr4:16852	3.15E-04
OR8A1		chr11	1.24E+08	1.24E+08	+	3.17E-04	chr11:1239	0.006165	chr11:1239	3.17E-04	chr11:1239	0.005562
OR6B1		chr7	1.43E+08	1.43E+08	+	3.20E-04	chr7:14313	0.239268	chr7:14313	0.089849	chr7:14313	0.008681
AOAH	Hs.488007	chr7	36539269	36540544	+	3.23E-04	chr7:03653	0.03285	chr7:03653	3.23E-04	chr7:03653	6.61E-04
MAGEC3	Hs.356870	chrX	1.41E+08	1.41E+08	+	3.24E-04	chrX:14064	0.031162	chrX:14064	3.24E-04	chrX:14065	0.008313
ZZZ3	Hs.480506	chr1	77809715	77811017	+	3.29E-04	chr1:07780	0.053959	chr1:07781	3.29E-04	chr1:07781	7.73E-04
ADAM30	Hs.283011	chr1	1.2E+08	1.2E+08	+	3.30E-04	chr1:12015	0.515371	chr1:12015	0.063146	chr1:12015	3.30E-04
STARD8	Hs.95140	chrX	67648823	67649959	+	3.39E-04	chrX:06764	0.002911	chrX:06764	7.71E-04	chrX:06764	0.001135
IL12A	Hs.673	chr3	1.61E+08	1.61E+08	+	3.42E-04	chr3:16119	0.043351	chr3:16119	8.10E-04	chr3:16119	3.42E-04
TNR	Hs.518149	chr1	1.72E+08	1.72E+08	+	3.44E-04	chr1:17210	0.057856	chr1:17210	3.44E-04	chr1:17210	3.95E-04
ASPN	Hs.435655	chr9	92325160	92326269	+	3.46E-04	chr9:09232	0.003738	chr9:09232	3.46E-04	chr9:09232	0.029733
MAP2	Hs.368281	chr2	2.1E+08	2.1E+08	+	3.58E-04	chr2:21026	0.22785	chr2:21026	0.009301	chr2:21026	3.58E-04
OR5T3		chr11	55772349	55773536	+	3.62E-04	chr11:0557	0.008449	chr11:0557	3.62E-04	chr11:0557	0.001251
DKK2	Hs.211869	chr4	1.08E+08	1.08E+08	+	3.63E-04	chr4:10831	0.227353	chr4:10831	0.003654	chr4:10831	3.63E-04
OR2T10		chr1	2.45E+08	2.45E+08	+	3.64E-04	chr1:24508	0.001932	chr1:24508	3.64E-04	chr1:24508	0.011237
OR9G4		chr11	56271845	56273354	+	3.66E-04	chr11:0562	0.080395	chr11:0562	0.001581	chr11:0562	3.66E-04
IMPG1	Hs.129882	chr6	76843000	76844413	+	3.69E-04	chr6:07684	0.022632	chr6:07684	0.013201	chr6:07684	3.69E-04
ST8SIA2	Hs.302341	chr15	90736803	90737861	+	3.76E-04	chr15:0907	0.013277	chr15:0907	0.007655	chr15:0907	3.76E-04
ADCY9	Hs.391860	chr16	4103488	4104757	+	3.80E-04	chr16:0041	0.087515	chr16:0041	0.007323	chr16:0041	3.80E-04
MASK	Hs.444247	chrX	1.31E+08	1.31E+08	+	3.83E-04	chrX:13087	0.01057	chrX:13087	3.83E-04	chrX:13087	0.004294
FLJ39531		chr15	37327737	37329021	+	3.83E-04	chr15:0373	0.004835	chr15:0373	0.001581	chr15:0373	0.001377
AP3D1	Hs.512815	chr19	2100685	2102001	+	3.88E-04	chr19:0021	0.025835	chr19:0021	3.88E-04	chr19:0021	7.14E-04
ANGPTL6-PPAN		chr19	10076360	10077648	+	4.00E-04	chr19:0100	0.335425	chr19:0100	0.054873	chr19:0100	4.00E-04
EXOC8		chr1	2.28E+08	2.28E+08	+	4.14E-04	chr1:22777	0.380525	chr1:22777	0.219158	chr1:22777	0.01707
ZFHX1B	Hs.34871	chr2	1.45E+08	1.45E+08	+	4.14E-04	chr2:14511	0.532153	chr2:14511	0.07554	chr2:14511	7.58E-04
SGOL2		chr2	2.01E+08	2.01E+08	+	4.16E-04	chr2:20121	0.173685	chr2:20121	0.228102	chr2:20121	0.085471
TBX3	Hs.129895	chr12	1.14E+08	1.14E+08	+	4.23E-04	chr12:1135	0.155294	chr12:1135	0.015019	chr12:1135	0.003905

ZNF337	Hs.213735	chr20	25613739	25614869	+	4.26E-04	chr20:0256	0.033438	chr20:0256	4.26E-04	chr20:0256	4.80E-04
LOXHD1		chr18	42439465	42440415	+	4.40E-04	chr18:0424	0.015885	chr18:0424	4.40E-04	chr18:0424	0.085533
CASK	Hs.495984	chrX	41542857	41543779	+	4.46E-04	chrX:0415	0.007975	chrX:0415	4.46E-04	chrX:0415	0.020482
PRCC	Hs.516948	chr1	1.54E+08	1.54E+08	+	4.52E-04	chr1:15354	0.045775	chr1:15354	0.008387	chr1:15354	4.52E-04
ZNF366		chr5	71840079	71841101	+	4.56E-04	chr5:07184	0.268309	chr5:07184	0.045862	chr5:07184	4.56E-04
GRIPAP1		chrX	48587551	48588714	+	4.57E-04	chrX:0485	0.00408	chrX:0485	4.57E-04	chrX:0485	5.71E-04
OR52E2		chr11	5042010	5043195	+	4.59E-04	chr11:005	0.009154	chr11:005	6.09E-04	chr11:005	4.59E-04
NEGR1		chr1	72459022	72460206	+	4.64E-04	chr1:07245	5.63E-04	chr1:07245	4.64E-04	chr1:07245	0.004772
GHSR	Hs.248115	chr3	1.74E+08	1.74E+08	+	4.75E-04	chr3:17364	5.31E-04	chr3:17364	4.75E-04	chr3:17364	0.033926
MAEL		chr1	1.64E+08	1.64E+08	+	4.77E-04	chr1:16369	0.337597	chr1:16369	0.072925	chr1:16369	4.77E-04
ZWINT	Hs.42650	chr10	57789134	57790454	+	4.79E-04	chr10:0577	0.013053	chr10:0577	5.66E-04	chr10:0577	4.79E-04
OR4C15		chr11	55078400	55079801	+	4.87E-04	chr11:055	0.116985	chr11:055	0.004284	chr11:055	4.87E-04
MGC42367	Hs.469398	chr2	99010055	99011273	+	4.96E-04	chr2:09901	0.01702	chr2:09901	4.96E-04	chr2:09901	7.52E-04
ARSA	Hs.88251	chr22	49355565	49356718	+	5.00E-04	chr22:0493	0.002196	chr22:0493	0.001864	chr22:0493	5.00E-04
DIO2	Hs.202354	chr14	79751905	79753118	+	5.05E-04	chr14:0797	0.655237	chr14:0797	0.093207	chr14:0797	0.003438
MXI1	Hs.501023	chr10	1.12E+08	1.12E+08	+	5.06E-04	chr10:1119	0.466856	chr10:1119	0.299004	chr10:1119	0.285813
GALR1	Hs.272191	chr18	73089623	73090804	+	5.16E-04	chr18:073	0.021523	chr18:073	0.008488	chr18:073	5.16E-04
FLJ20309	Hs.471205	chr2	2.07E+08	2.07E+08	+	5.38E-04	chr2:20677	0.005034	chr2:20677	5.38E-04	chr2:20677	0.012912
DIRAS3	Hs.194695	chr1	68229102	68230006	+	5.41E-04	chr1:06822	0.008348	chr1:06822	5.41E-04	chr1:06822	0.031979
LOC343066		chr1	12638454	12639463	+	5.64E-04	chr1:01263	0.292388	chr1:01263	0.019398	chr1:01263	5.64E-04
APOB	Hs.120759	chr2	21181670	21182960	+	5.68E-04	chr2:02118	0.174084	chr2:02118	0.00495	chr2:02118	5.90E-04
DSC3	Hs.41690	chr18	26877202	26878693	+	5.76E-04	chr18:0268	0.9264	chr18:0268	0.633531	chr18:0268	0.187925
VAMP3	Hs.66708	chr1	7766140	7767157	+	5.94E-04	chr1:00776	0.002015	chr1:00776	5.94E-04	chr1:00776	0.007892
PTPRM	Hs.49774	chr18	7554425	7555498	+	6.02E-04	chr18:0075	0.102745	chr18:0075	0.012034	chr18:0075	7.43E-04
SPO11	Hs.159737	chr20	55333265	55334402	+	6.02E-04	chr20:0553	0.010954	chr20:0553	8.88E-04	chr20:0553	6.02E-04
GPR144	Hs.454099	chr9	1.24E+08	1.24E+08	+	6.25E-04	chr9:12429	0.135485	chr9:12429	6.46E-04	chr9:12429	6.25E-04
DEFB119		chr20	29440282	29441434	+	6.43E-04	chr20:0294	0.367289	chr20:0294	0.079816	chr20:0294	0.003997
DPP8	Hs.458609	chr15	63595668	63596586	+	6.51E-04	chr15:0635	0.259373	chr15:0635	0.078149	chr15:0635	0.0062
UNQ1912		chr5	99899031	99900212	+	6.54E-04	chr5:09989	0.286915	chr5:09989	0.234843	chr5:09989	0.010542
GSTA3	Hs.102484	chr6	52882354	52883385	+	6.75E-04	chr6:05288	0.059496	chr6:05288	0.005658	chr6:05288	7.60E-04
TAAR1		chr6	1.33E+08	1.33E+08	+	6.84E-04	chr6:13301	0.003386	chr6:13301	6.84E-04	chr6:13301	0.088519
TRIM41		chr5	1.81E+08	1.81E+08	+	6.84E-04	chr5:18057	0.060629	chr5:18057	6.84E-04	chr5:18057	0.005989
CDADC1	Hs.388220	chr13	48719578	48720901	+	7.07E-04	chr13:0487	0.128337	chr13:0487	0.075929	chr13:0487	0.001628
KIAA1772	Hs.54838	chr18	17075878	17077079	+	7.07E-04	chr18:017	0.1046	chr18:017	0.003121	chr18:017	0.009418
NDUFS2	Hs.173611	chr1	1.58E+08	1.58E+08	+	7.18E-04	chr1:15798	0.010037	chr1:15798	0.007008	chr1:15798	0.006574
USH2A	Hs.232072	chr1	2.13E+08	2.13E+08	+	7.19E-04	chr1:21298	0.004867	chr1:21298	7.19E-04	chr1:21298	0.014229
OR56A3		chr11	5921496	5922613	+	7.38E-04	chr11:0059	0.017401	chr11:0059	0.001726	chr11:0059	7.38E-04

ZSCAN1		chr19	63231962	63233024	+	7.43E-04	chr19:0632	0.275577	chr19:0632	0.133397	chr19:0632	7.43E-04
C6orf60	Hs.443789	chr6	1.19E+08	1.19E+08	+	7.43E-04	chr6:11944	0.847227	chr6:11944	0.249887	chr6:11944	0.049047
P2RY1	Hs.2411	chr3	1.54E+08	1.54E+08	+	7.52E-04	chr3:15403	0.005419	chr3:15403	7.52E-04	chr3:15403	0.106312
HRNR		chr1	1.49E+08	1.49E+08	+	7.61E-04	chr1:14900	0.062593	chr1:14900	0.007516	chr1:14900	0.003145
OR51I1-OR51I2		chr11	5421704	5422985	+	7.69E-04	chr11:0054	0.377818	chr11:0054	0.057325	chr11:0054	0.00194
SFT2D2	Hs.546557	chr1	1.65E+08	1.65E+08	+	7.74E-04	chr1:16495	0.336249	chr1:16495	0.172859	chr1:16495	0.014254
NR0B1	Hs.268490	chrX	30085807	30087229	+	7.76E-04	chrX:03008	0.247464	chrX:03008	0.002537	chrX:03008	8.12E-04
ATR	Hs.271791	chr3	1.44E+08	1.44E+08	+	8.01E-04	chr3:14378	0.015722	chr3:14378	8.01E-04	chr3:14378	0.002718
ICEBERG		chr11	1.05E+08	1.05E+08	+	8.03E-04	chr11:1045	0.00258	chr11:1045	8.03E-04	chr11:1045	0.005182
PQLC2	Hs.523036	chr1	19384484	19385993	+	8.12E-04	chr1:01938	0.023546	chr1:01938	9.01E-04	chr1:01938	8.12E-04
PON3	Hs.440967	chr7	94669512	94670632	+	8.28E-04	chr7:09466	0.174364	chr7:09466	0.008838	chr7:09467	8.28E-04
FBXO39		chr17	6621380	6622686	+	8.29E-04	chr17:0066	0.378026	chr17:0066	0.037607	chr17:0066	0.005098
PPARG	Hs.162646	chr3	12364699	12365857	+	8.37E-04	chr3:01236	0.017572	chr3:01236	0.00168	chr3:01236	8.37E-04
NEUROD1	Hs.72981	chr2	1.82E+08	1.82E+08	+	8.46E-04	chr2:18236	0.360077	chr2:18236	0.202086	chr2:18236	8.46E-04
SYNE2	Hs.525392	chr14	63610254	63611375	+	8.49E-04	chr14:0636	0.88594	chr14:0636	0.799571	chr14:0636	0.128822
LASS6	Hs.506829	chr2	1.69E+08	1.69E+08	+	8.93E-04	chr2:16913	0.242173	chr2:16913	0.082782	chr2:16913	0.034443
TMEM9B	Hs.501853	chr11	8944617	8945944	+	9.02E-04	chr11:0089	0.570596	chr11:0089	0.231858	chr11:0089	0.031921
FLJ40243		chr5	41106727	41108032	+	9.04E-04	chr5:04110	0.012035	chr5:04110	0.003628	chr5:04110	9.04E-04
NTNG2		chr9	1.32E+08	1.32E+08	+	9.05E-04	chr9:13206	0.049971	chr9:13206	0.024808	chr9:13206	9.05E-04
CCT2	Hs.189772	chr12	68261885	68262809	+	9.18E-04	chr12:0682	0.034433	chr12:0682	0.001629	chr12:0682	9.18E-04
P53AIP1	Hs.160953	chr11	1.28E+08	1.28E+08	+	9.23E-04	chr11:1283	0.150798	chr11:1283	0.003214	chr11:1283	9.23E-04
ARD1A	Hs.433291	chrX	1.53E+08	1.53E+08	+	9.31E-04	chrX:15271	0.490545	chrX:15271	0.16561	chrX:15271	0.201468
FLJ23191	Hs.16026	chr4	1.22E+08	1.22E+08	+	9.31E-04	chr4:12234	0.077412	chr4:12235	0.054288	chr4:12235	0.002103
INMT		chr7	30566334	30567338	+	9.38E-04	chr7:03056	0.04927	chr7:03056	0.005006	chr7:03056	9.38E-04
PACSIN3	Hs.334639	chr11	47157824	47159112	+	9.39E-04	chr11:0471	0.002421	chr11:0471	0.009136	chr11:0471	9.39E-04
LOC203413		chrX	1.15E+08	1.15E+08	+	9.70E-04	chrX:11540	0.001077	chrX:11540	9.70E-04	chrX:11540	0.00521
SLC26A2	Hs.302738	chr5	1.49E+08	1.49E+08	+	9.72E-04	chr5:14932	0.086152	chr5:14932	0.003573	chr5:14932	9.72E-04
EIF2B2	Hs.409137	chr14	74540090	74541348	+	9.74E-04	chr14:0745	0.590703	chr14:0745	0.272008	chr14:0745	0.205718
UNQ9356		chr6	55296167	55297267	+	1.00E-03	chr6:05529	0.293501	chr6:05529	0.009745	chr6:05529	1.00E-03

Probe	P[Xbar]	Probe	P[Xbar]	Probe	P[Xbar]	Probe	P[Xbar]	Probe	P[Xbar]	Probe	P[Xbar]	Probe
chrX:13583	9.79E-08	chrX:13583	1.93E-08	chrX:13584	3.26E-05	chrX:13584	9.59E-04	chrX:13584	0.001267	chrX:13584	0.002555	
chr14:0195	1.16E-06	chr14:0195	1.52E-05	chr14:0195	0.001843	chr14:0195	0.028743	chr14:0195	0.174546	chrX:13584	0.002555	
chr4:12905	7.69E-05	chr4:12905	0.002166	chr4:12906	0.031282	chr4:12906	0.148409	chr14:0195	0.174546	chrX:13584	0.002555	
chrX:12691	1.29E-06	chrX:12691	6.83E-06	chrX:12691	7.31E-06	chrX:12691	3.58E-06	chrX:12691	1.65E-06	chrX:12691	8.66E-05	chrX:12691
chrX:14602	5.89E-04	chrX:14602	5.67E-05	chrX:14602	1.40E-06	chrX:14602	1.78E-04	chrX:12691	1.65E-06	chrX:12691	8.66E-05	chrX:12691
chrX:00699	0.142791	chrX:14602	5.67E-05	chrX:14602	1.40E-06	chrX:14602	1.78E-04	chrX:12691	1.65E-06	chrX:12691	8.66E-05	chrX:12691
chr7:12681	1.28E-04	chr7:12681	0.012326	chr7:12681	0.310535	chr7:12681	0.692594	chrX:12691	1.65E-06	chrX:12691	8.66E-05	chrX:12691
chr17:0079	4.45E-04	chr17:0079	0.004039	chr7:12681	0.310535	chr7:12681	0.692594	chrX:12691	1.65E-06	chrX:12691	8.66E-05	chrX:12691
chr19:0562	0.003761	chr19:0562	0.559647	chr7:12681	0.310535	chr7:12681	0.692594	chrX:12691	1.65E-06	chrX:12691	8.66E-05	chrX:12691
chr16:0528	3.35E-06	chr16:0528	7.86E-05	chr16:0528	0.004668	chr16:0528	0.205991	chrX:12691	1.65E-06	chrX:12691	8.66E-05	chrX:12691
chrX:05493	1.96E-05	chrX:05493	0.002727	chr16:0528	0.004668	chr16:0528	0.205991	chrX:12691	1.65E-06	chrX:12691	8.66E-05	chrX:12691
chr12:0042	1.26E-05	chr12:0042	0.003809	chr12:0042	0.554099	chr16:0528	0.205991	chrX:12691	1.65E-06	chrX:12691	8.66E-05	chrX:12691
chrX:14244	4.18E-06	chrX:14244	5.48E-06	chrX:14244	0.0061	chrX:14244	0.067868	chrX:14244	0.059657	chrX:12691	8.66E-05	chrX:12691
chr6:16065	1.27E-05	chr6:16065	4.52E-06	chr6:16065	1.27E-04	chr6:16065	0.005681	chr6:16065	0.048533	chrX:12691	8.66E-05	chrX:12691
chr6:16065	1.27E-05	chr6:16065	4.52E-06	chr6:16065	1.27E-04	chr6:16065	0.005681	chr6:16065	0.048533	chrX:12691	8.66E-05	chrX:12691
chr11:0482	0.001568	chr11:0482	0.110551	chr6:16065	1.27E-04	chr6:16065	0.005681	chr6:16065	0.048533	chrX:12691	8.66E-05	chrX:12691
chr11:1244	3.23E-04	chr11:1244	4.29E-05	chr11:1244	8.13E-06	chr11:1244	1.40E-04	chr11:1244	0.006172	chrX:12691	8.66E-05	chrX:12691
chr8:14548	1.47E-05	chr8:14548	5.54E-05	chr8:14548	0.011556	chr8:14548	0.158596	chr11:1244	0.006172	chrX:12691	8.66E-05	chrX:12691
chr1:22444	1.15E-04	chr8:14548	5.54E-05	chr8:14548	0.011556	chr8:14548	0.158596	chr11:1244	0.006172	chrX:12691	8.66E-05	chrX:12691
chr15:0730	1.65E-05	chr15:0730	0.001044	chr15:0730	0.075908	chr8:14548	0.158596	chr11:1244	0.006172	chrX:12691	8.66E-05	chrX:12691
chrX:08018	2.73E-05	chrX:08018	1.65E-05	chrX:08018	9.23E-04	chrX:08018	0.064058	chrX:08018	0.047404	chrX:08018	0.033249	chrX:12691
chr11:0052	1.40E-04	chr11:0052	0.00671	chr11:0052	0.174323	chrX:08018	0.064058	chrX:08018	0.047404	chrX:08018	0.033249	chrX:12691
chr1:14978	2.71E-05	chr1:14978	2.33E-04	chr1:14978	0.003363	chr1:14978	0.019031	chr1:14978	0.096048	chrX:08018	0.033249	chrX:12691
chr1:14671	0.006908	chr1:14671	0.290419	chr1:14671	0.869982	chr1:14978	0.019031	chr1:14978	0.096048	chrX:08018	0.033249	chrX:12691
chr11:0068	1.94E-05	chr11:0068	2.92E-04	chr11:0068	0.074658	chr11:0068	0.363554	chr1:14978	0.096048	chrX:08018	0.033249	chrX:12691
chr1:14887	0.001934	chr1:14887	0.044985	chr11:0068	0.074658	chr11:0068	0.363554	chr1:14978	0.096048	chrX:08018	0.033249	chrX:12691
chrX:09970	2.39E-05	chrX:09970	0.006793	chr11:0068	0.074658	chr11:0068	0.363554	chr1:14978	0.096048	chrX:08018	0.033249	chrX:12691
chr20:0229	0.001701	chr20:0229	0.100476	chr11:0068	0.074658	chr11:0068	0.363554	chr1:14978	0.096048	chrX:08018	0.033249	chrX:12691
chr1:24407	6.70E-04	chr1:24407	0.007952	chr1:24407	0.158423	chr11:0068	0.363554	chr1:14978	0.096048	chrX:08018	0.033249	chrX:12691
chr1:24407	6.70E-04	chr1:24407	0.007952	chr1:24407	0.158423	chr11:0068	0.363554	chr1:14978	0.096048	chrX:08018	0.033249	chrX:12691
chr12:0795	5.41E-04	chr12:0795	0.015402	chr1:24407	0.158423	chr11:0068	0.363554	chr1:14978	0.096048	chrX:08018	0.033249	chrX:12691
chr17:0381	0.005552	chr17:0381	0.785775	chr17:0381	0.997719	chr11:0068	0.363554	chr1:14978	0.096048	chrX:08018	0.033249	chrX:12691
chr1:15040	2.99E-05	chr1:15040	2.39E-04	chr1:15040	0.093496	chr1:15040	0.103998	chr1:14978	0.096048	chrX:08018	0.033249	chrX:12691
chr9:00522	4.40E-04	chr9:00522	0.015372	chr9:00522	0.10054	chr1:15040	0.103998	chr1:14978	0.096048	chrX:08018	0.033249	chrX:12691
chr22:0253	0.268247	chr9:00522	0.015372	chr9:00522	0.10054	chr1:15040	0.103998	chr1:14978	0.096048	chrX:08018	0.033249	chrX:12691
chr3:11279	3.19E-05	chr3:11279	0.00569	chr3:11279	0.053926	chr3:11279	0.132834	chr1:14978	0.096048	chrX:08018	0.033249	chrX:12691

chrX:02153	6.94E-04	chrX:02153	0.066981	chr3:11279	0.053926	chr3:11279	0.132834	chr1:14978	0.096048	chrX:08018	0.033249	chrX:12691
chr1:21708	3.24E-05	chr1:21708	2.98E-04	chr3:11279	0.053926	chr3:11279	0.132834	chr1:14978	0.096048	chrX:08018	0.033249	chrX:12691
chr1:24424	8.22E-04	chr1:24424	0.015905	chr1:24424	0.267143	chr1:24424	0.533917	chr1:14978	0.096048	chrX:08018	0.033249	chrX:12691
chr18:0272	0.013499	chr18:0272	0.093423	chr18:0272	0.091735	chr1:24424	0.533917	chr1:14978	0.096048	chrX:08018	0.033249	chrX:12691
chr1:16783	0.011637	chr1:16783	0.331289	chr18:0272	0.091735	chr1:24424	0.533917	chr1:14978	0.096048	chrX:08018	0.033249	chrX:12691
chr11:0557	3.87E-05	chr11:0557	2.26E-04	chr11:0557	0.026536	chr1:24424	0.533917	chr1:14978	0.096048	chrX:08018	0.033249	chrX:12691
chr14:0195	0.00365	chr11:0557	2.26E-04	chr11:0557	0.026536	chr1:24424	0.533917	chr1:14978	0.096048	chrX:08018	0.033249	chrX:12691
chr5:01195	7.22E-04	chr5:01195	4.12E-05	chr5:01195	1.62E-04	chr5:01195	0.071315	chr1:14978	0.096048	chrX:08018	0.033249	chrX:12691
chr13:0994	1.89E-04	chr13:0994	0.004464	chr13:0994	0.030923	chr5:01195	0.071315	chr1:14978	0.096048	chrX:08018	0.033249	chrX:12691
chr1:11199	2.92E-04	chr1:11199	0.326798	chr1:11199	0.481757	chr1:11199	0.487658	chr1:14978	0.096048	chrX:08018	0.033249	chrX:12691
chr2:07335	4.38E-05	chr2:07335	1.98E-04	chr2:07335	0.017265	chr1:11199	0.487658	chr1:14978	0.096048	chrX:08018	0.033249	chrX:12691
chr19:0574	4.51E-05	chr19:0574	5.52E-04	chr2:07335	0.017265	chr1:11199	0.487658	chr1:14978	0.096048	chrX:08018	0.033249	chrX:12691
chr8:13426	4.22E-04	chr8:13426	0.002944	chr2:07335	0.017265	chr1:11199	0.487658	chr1:14978	0.096048	chrX:08018	0.033249	chrX:12691
chr14:0205	0.035961	chr14:0205	0.307008	chr2:07335	0.017265	chr1:11199	0.487658	chr1:14978	0.096048	chrX:08018	0.033249	chrX:12691
chr1:24420	6.83E-04	chr1:24420	0.028249	chr2:07335	0.017265	chr1:11199	0.487658	chr1:14978	0.096048	chrX:08018	0.033249	chrX:12691
chr14:0367	4.91E-05	chr14:0367	0.023731	chr14:0367	0.122333	chr14:0367	0.505737	chr1:14978	0.096048	chrX:08018	0.033249	chrX:12691
chr22:0156	4.91E-05	chr22:0156	0.001509	chr22:0156	0.019368	chr22:0156	0.056576	chr22:0156	0.095117	chrX:08018	0.033249	chrX:12691
chr11:0850	9.45E-04	chr11:0850	0.009391	chr11:0850	0.090623	chr11:0850	0.05689	chr22:0156	0.095117	chrX:08018	0.033249	chrX:12691
chr17:0457	2.54E-04	chr17:0457	0.085965	chr17:0457	0.492751	chr11:0850	0.05689	chr22:0156	0.095117	chrX:08018	0.033249	chrX:12691
chr7:07003	5.20E-05	chr7:07004	1.99E-04	chr7:07004	6.18E-04	chr7:07004	0.010258	chr22:0156	0.095117	chrX:08018	0.033249	chrX:12691
chr5:15176	4.22E-04	chr5:15176	4.12E-04	chr5:15176	5.88E-04	chr5:15176	9.88E-04	chr5:15176	0.001432	chr5:15176	0.215998	chrX:12691
chrX:01552	5.79E-05	chrX:01552	2.56E-04	chrX:01552	0.034672	chrX:01552	0.268156	chrX:01552	0.620609	chr5:15176	0.215998	chrX:12691
chr8:06882	5.94E-05	chr8:06882	0.006703	chr8:06882	0.053146	chrX:01552	0.268156	chrX:01552	0.620609	chr5:15176	0.215998	chrX:12691
chrX:06339	6.26E-05	chrX:06339	0.010596	chr8:06882	0.053146	chrX:01552	0.268156	chrX:01552	0.620609	chr5:15176	0.215998	chrX:12691
chr2:06952	1.25E-04	chr2:06952	6.55E-05	chr2:06952	2.83E-04	chr2:06952	0.001626	chr2:06952	0.021957	chr5:15176	0.215998	chrX:12691
chr12:0841	8.00E-04	chr12:0841	0.00306	chr12:0841	0.043925	chr12:0841	0.247487	chr2:06952	0.021957	chr5:15176	0.215998	chrX:12691
chr19:0420	6.98E-05	chr19:0420	5.45E-04	chr19:0420	0.037502	chr12:0841	0.247487	chr2:06952	0.021957	chr5:15176	0.215998	chrX:12691
chr3:06663	7.18E-05	chr3:06663	0.01186	chr3:06663	0.306219	chr12:0841	0.247487	chr2:06952	0.021957	chr5:15176	0.215998	chrX:12691
chr11:0745	0.001464	chr3:06663	0.01186	chr3:06663	0.306219	chr12:0841	0.247487	chr2:06952	0.021957	chr5:15176	0.215998	chrX:12691
chr11:0745	0.001464	chr3:06663	0.01186	chr3:06663	0.306219	chr12:0841	0.247487	chr2:06952	0.021957	chr5:15176	0.215998	chrX:12691
chr21:0399	3.74E-04	chr21:0399	8.09E-05	chr21:0399	1.06E-04	chr21:0399	0.003469	chr21:0399	0.153266	chr21:0399	0.41792	chrX:12691
chr15:0214	0.017287	chr21:0399	8.09E-05	chr21:0399	1.06E-04	chr21:0399	0.003469	chr21:0399	0.153266	chr21:0399	0.41792	chrX:12691
chr1:04895	6.54E-04	chr1:04895	0.123635	chr1:04895	0.063062	chr1:04895	0.117929	chr21:0399	0.153266	chr21:0399	0.41792	chrX:12691
chr19:0470	8.41E-05	chr19:0470	2.48E-04	chr19:0470	0.008018	chr19:0470	0.047114	chr21:0399	0.153266	chr21:0399	0.41792	chrX:12691
chr14:0769	5.72E-04	chr14:0769	0.004124	chr14:0769	0.066548	chr14:0769	0.172206	chr14:0769	0.350001	chr21:0399	0.41792	chrX:12691
chr13:1013	0.003577	chr13:1013	0.05957	chr14:0769	0.066548	chr14:0769	0.172206	chr14:0769	0.350001	chr21:0399	0.41792	chrX:12691
chrX:06319	9.37E-05	chrX:06319	9.87E-05	chrX:06319	0.003279	chrX:06319	0.230253	chrX:06319	0.340326	chr21:0399	0.41792	chrX:12691

chr11:1312	7.58E-04	chr11:1312	0.009149	chr11:1312	0.044808	chrX:0631	0.230253	chrX:0631	0.340326	chr21:0399	0.41792	chrX:1269	
chr6:15221	0.006949	chr6:15221	0.13025	chr11:1312	0.044808	chrX:0631	0.230253	chrX:0631	0.340326	chr21:0399	0.41792	chrX:1269	
chr10:1141	0.001839	chr10:1141	0.026983	chr11:1312	0.044808	chrX:0631	0.230253	chrX:0631	0.340326	chr21:0399	0.41792	chrX:1269	
chr10:1189	9.92E-05	chr10:1189	0.0072	chr11:1312	0.044808	chrX:0631	0.230253	chrX:0631	0.340326	chr21:0399	0.41792	chrX:1269	
chr17:0368	1.28E-04	chr17:0368	0.055977	chr17:0368	0.048791	chr17:0368	0.015423	chrX:0631	0.340326	chr21:0399	0.41792	chrX:1269	
chr1:15548	0.002485	chr1:15548	1.00E-04	chr1:15548	5.31E-04	chr1:15548	0.00956	chrX:0631	0.340326	chr21:0399	0.41792	chrX:1269	
chrX:0741	1.02E-04	chrX:0741	0.00221	chr1:15548	5.31E-04	chr1:15548	0.00956	chrX:0631	0.340326	chr21:0399	0.41792	chrX:1269	
chrX:0741	1.02E-04	chrX:0741	0.00221	chr1:15548	5.31E-04	chr1:15548	0.00956	chrX:0631	0.340326	chr21:0399	0.41792	chrX:1269	
chr19:0015	0.030034	chr19:0015	0.318567	chr19:0015	0.902865	chr1:15548	0.00956	chrX:0631	0.340326	chr21:0399	0.41792	chrX:1269	
chr9:12236	0.001138	chr9:12236	0.028597	chr19:0015	0.902865	chr1:15548	0.00956	chrX:0631	0.340326	chr21:0399	0.41792	chrX:1269	
chr2:04377	1.08E-04	chr2:04377	0.001293	chr2:04377	0.016261	chr2:04377	0.213752	chrX:0631	0.340326	chr21:0399	0.41792	chrX:1269	
chr7:14224	1.09E-04	chr7:14224	0.006467	chr7:14224	0.126593	chr7:14224	0.347292	chrX:0631	0.340326	chr21:0399	0.41792	chrX:1269	
chr1:24458	0.048809	chr1:24458	0.297098	chr7:14224	0.126593	chr7:14224	0.347292	chrX:0631	0.340326	chr21:0399	0.41792	chrX:1269	
chr6:06626	0.002973	chr6:06626	0.081684	chr6:06626	0.333466	chr7:14224	0.347292	chrX:0631	0.340326	chr21:0399	0.41792	chrX:1269	
chr1:15554	2.87E-04	chr1:15554	0.001234	chr1:15554	0.028788	chr1:15554	0.199274	chrX:0631	0.340326	chr21:0399	0.41792	chrX:1269	
chr7:12223	6.78E-04	chr7:12223	0.023836	chr7:12223	0.296628	chr1:15554	0.199274	chrX:0631	0.340326	chr21:0399	0.41792	chrX:1269	
chr11:0481	0.004406	chr11:0481	0.01104	chr7:12223	0.296628	chr1:15554	0.199274	chrX:0631	0.340326	chr21:0399	0.41792	chrX:1269	
chr5:11372	3.14E-04	chr5:11372	3.22E-04	chr5:11372	0.006984	chr5:11372	0.103871	chrX:0631	0.340326	chr21:0399	0.41792	chrX:1269	
chrX:0997	1.22E-04	chrX:0997	3.98E-04	chrX:0997	0.013066	chrX:0997	0.121976	chrX:0631	0.340326	chr21:0399	0.41792	chrX:1269	
chr20:008	1.23E-04	chr20:008	0.004146	chr20:008	0.398546	chrX:0997	0.121976	chrX:0631	0.340326	chr21:0399	0.41792	chrX:1269	
chrX:1334	7.90E-04	chrX:1334	0.021364	chrX:1334	0.120892	chrX:1334	0.320628	chrX:0631	0.340326	chr21:0399	0.41792	chrX:1269	
chr8:07291	0.032505	chrX:1334	0.021364	chrX:1334	0.120892	chrX:1334	0.320628	chrX:0631	0.340326	chr21:0399	0.41792	chrX:1269	
chr8:06881	1.26E-04	chr8:06881	3.48E-04	chr8:06881	0.009334	chr8:06881	0.059527	chrX:0631	0.340326	chr21:0399	0.41792	chrX:1269	
chr7:12309	0.005504	chr7:12309	0.183437	chr8:06881	0.009334	chr8:06881	0.059527	chrX:0631	0.340326	chr21:0399	0.41792	chrX:1269	
chr5:13915	1.32E-04	chr5:13915	4.79E-04	chr5:13915	0.039516	chr8:06881	0.059527	chrX:0631	0.340326	chr21:0399	0.41792	chrX:1269	
chr11:0551	1.36E-04	chr11:0551	9.74E-04	chr11:0551	0.01478	chr8:06881	0.059527	chrX:0631	0.340326	chr21:0399	0.41792	chrX:1269	
chrX:0844	0.009464	chr11:0551	9.74E-04	chr11:0551	0.01478	chr8:06881	0.059527	chrX:0631	0.340326	chr21:0399	0.41792	chrX:1269	
chr6:15028	1.39E-04	chr6:15028	4.21E-04	chr6:15028	0.061298	chr6:15028	0.410593	chrX:0631	0.340326	chr21:0399	0.41792	chrX:1269	
chr5:07401	0.00329	chr5:07401	0.051083	chr5:07401	0.320611	chr6:15028	0.410593	chrX:0631	0.340326	chr21:0399	0.41792	chrX:1269	
chr1:15598	1.66E-04	chr1:15598	1.43E-04	chr1:15598	0.006632	chr1:15598	0.084819	chrX:0631	0.340326	chr21:0399	0.41792	chrX:1269	
chr8:08718	0.029082	chr1:15598	1.43E-04	chr1:15598	0.006632	chr1:15598	0.084819	chrX:0631	0.340326	chr21:0399	0.41792	chrX:1269	
chr1:2149	1.52E-04	chr1:2149	0.008844	chr1:15598	0.006632	chr1:15598	0.084819	chrX:0631	0.340326	chr21:0399	0.41792	chrX:1269	
chr21:0309	0.008096	chr21:0309	0.05661	chr21:0309	0.61994	chr1:15598	0.084819	chrX:0631	0.340326	chr21:0399	0.41792	chrX:1269	
chr1:09441	6.06E-04	chr1:09441	1.52E-04	chr1:09441	0.004573	chr1:09441	0.1114	chr1:09441	0.235445	chr21:0399	0.41792	chrX:1269	
chr19:0591	1.52E-04	chr1:09441	1.52E-04	chr1:09441	0.004573	chr1:09441	0.1114	chr1:09441	0.235445	chr21:0399	0.41792	chrX:1269	
chr6:04981	1.54E-04	chr6:04981	0.002498	chr6:04981	0.03058	chr1:09441	0.1114	chr1:09441	0.235445	chr21:0399	0.41792	chrX:1269	
chr1:21365	1.59E-04	chr1:21365	0.00319	chr1:21365	0.020607	chr1:09441	0.1114	chr1:09441	0.235445	chr21:0399	0.41792	chrX:1269	

chr8:06813	0.032636	chr8:06813	0.368125	chr8:06813	0.795106	chr1:09441	0.1114	chr1:09441	0.235445	chr21:0399	0.41792	chrX:12691
chr6:02943	1.61E-04	chr6:02943	0.001522	chr6:02943	0.005139	chr6:02943	0.044613	chr1:09441	0.235445	chr21:0399	0.41792	chrX:12691
chr6:02943	1.61E-04	chr6:02943	0.001522	chr6:02943	0.005139	chr6:02943	0.044613	chr1:09441	0.235445	chr21:0399	0.41792	chrX:12691
chr1:05223	1.69E-04	chr1:05223	0.004605	chr1:05223	0.129881	chr6:02943	0.044613	chr1:09441	0.235445	chr21:0399	0.41792	chrX:12691
chr7:14224	7.40E-04	chr7:14224	0.007002	chr7:14224	0.011275	chr7:14224	0.041172	chr1:09441	0.235445	chr21:0399	0.41792	chrX:12691
chr11:0559	3.43E-04	chr11:0559	1.73E-04	chr11:0559	0.00177	chr11:0559	0.05297	chr11:0559	0.258499	chr21:0399	0.41792	chrX:12691
chr11:0559	3.43E-04	chr11:0559	1.73E-04	chr11:0559	0.00177	chr11:0559	0.05297	chr11:0559	0.258499	chr21:0399	0.41792	chrX:12691
chr5:09532	0.010997	chr5:09532	0.048302	chr11:0559	0.00177	chr11:0559	0.05297	chr11:0559	0.258499	chr21:0399	0.41792	chrX:12691
chr1:21744	2.56E-04	chr1:21744	0.020013	chr1:21744	0.246122	chr11:0559	0.05297	chr11:0559	0.258499	chr21:0399	0.41792	chrX:12691
chrX:11916	1.84E-04	chrX:11916	2.45E-04	chrX:11916	0.044992	chrX:11916	0.379974	chrX:11916	0.849855	chr21:0399	0.41792	chrX:12691
chr6:03318	0.003802	chr6:03318	0.051373	chrX:11916	0.044992	chrX:11916	0.379974	chrX:11916	0.849855	chr21:0399	0.41792	chrX:12691
chr4:01036	9.87E-04	chr4:01036	0.034472	chrX:11916	0.044992	chrX:11916	0.379974	chrX:11916	0.849855	chr21:0399	0.41792	chrX:12691
chr9:00282	0.017189	chr4:01036	0.034472	chrX:11916	0.044992	chrX:11916	0.379974	chrX:11916	0.849855	chr21:0399	0.41792	chrX:12691
chr9:00282	0.017189	chr4:01036	0.034472	chrX:11916	0.044992	chrX:11916	0.379974	chrX:11916	0.849855	chr21:0399	0.41792	chrX:12691
chr1:22715	9.56E-04	chr1:22715	0.001046	chr1:22715	0.008654	chr1:22715	0.016066	chrX:11916	0.849855	chr21:0399	0.41792	chrX:12691
chr9:12247	3.55E-04	chr9:12247	3.45E-04	chr9:12247	1.96E-04	chr9:12247	8.76E-04	chr9:12247	0.049013	chr21:0399	0.41792	chrX:12691
chr4:10049	2.25E-04	chr4:10049	1.96E-04	chr4:10049	0.017961	chr4:10049	0.295253	chr9:12247	0.049013	chr21:0399	0.41792	chrX:12691
chr1:24183	1.97E-04	chr1:24183	0.001928	chr1:24184	0.039275	chr4:10049	0.295253	chr9:12247	0.049013	chr21:0399	0.41792	chrX:12691
chr2:04507	1.99E-04	chr2:04507	0.028628	chr2:04507	0.335825	chr2:04507	0.638532	chr9:12247	0.049013	chr21:0399	0.41792	chrX:12691
chr1:14976	2.32E-04	chr1:14976	0.004642	chr1:14976	0.015896	chr2:04507	0.638532	chr9:12247	0.049013	chr21:0399	0.41792	chrX:12691
chr11:0614	0.005091	chr1:14976	0.004642	chr1:14976	0.015896	chr2:04507	0.638532	chr9:12247	0.049013	chr21:0399	0.41792	chrX:12691
chr7:11745	2.19E-04	chr7:11745	0.007389	chr7:11745	0.233063	chr2:04507	0.638532	chr9:12247	0.049013	chr21:0399	0.41792	chrX:12691
chr11:0577	2.72E-04	chr11:0577	6.12E-04	chr11:0577	0.002972	chr11:0577	0.023298	chr9:12247	0.049013	chr21:0399	0.41792	chrX:12691
chr21:0353	2.73E-04	chr21:0353	9.08E-04	chr21:0353	0.015987	chr21:0353	0.135645	chr21:0353	0.423211	chr21:0399	0.41792	chrX:12691
chr6:03930	2.20E-04	chr6:03930	0.004051	chr6:03930	0.34592	chr21:0353	0.135645	chr21:0353	0.423211	chr21:0399	0.41792	chrX:12691
chr9:10434	7.91E-04	chr9:10434	0.055907	chr9:10434	0.405748	chr9:10434	0.767891	chr21:0353	0.423211	chr21:0399	0.41792	chrX:12691
chr7:14109	2.33E-04	chr7:14109	0.002664	chr9:10434	0.405748	chr9:10434	0.767891	chr21:0353	0.423211	chr21:0399	0.41792	chrX:12691
chr12:0526	0.189348	chr12:0526	0.660538	chr9:10434	0.405748	chr9:10434	0.767891	chr21:0353	0.423211	chr21:0399	0.41792	chrX:12691
chrX:05553	2.45E-04	chrX:05553	4.77E-04	chrX:05553	0.003457	chrX:05553	0.034709	chrX:05553	0.048831	chrX:05553	0.047346	chrX:12691
chr17:0440	0.016527	chr17:0440	0.164005	chr17:0440	0.438245	chr17:0440	0.412636	chrX:05553	0.048831	chrX:05553	0.047346	chrX:12691
chr8:11919	0.056673	chr8:11919	0.605085	chr8:11919	0.297316	chr17:0440	0.412636	chrX:05553	0.048831	chrX:05553	0.047346	chrX:12691
chrY:05755	0.01516	chrY:05755	0.142035	chr8:11919	0.297316	chr17:0440	0.412636	chrX:05553	0.048831	chrX:05553	0.047346	chrX:12691
chrX:07221	5.47E-04	chrX:07221	2.70E-04	chrX:07221	0.002158	chrX:07221	0.018107	chrX:07221	0.06111	chrX:05553	0.047346	chrX:12691
chrX:07221	5.47E-04	chrX:07221	2.70E-04	chrX:07221	0.002158	chrX:07221	0.018107	chrX:07221	0.06111	chrX:05553	0.047346	chrX:12691
chr19:0510	0.006131	chr19:0510	0.44304	chrX:07221	0.002158	chrX:07221	0.018107	chrX:07221	0.06111	chrX:05553	0.047346	chrX:12691
chr7:09151	0.00314	chr7:09151	0.152433	chr7:09151	0.769408	chrX:07221	0.018107	chrX:07221	0.06111	chrX:05553	0.047346	chrX:12691
chr14:0601	5.10E-04	chr14:0601	0.006668	chr14:0601	0.232483	chrX:07221	0.018107	chrX:07221	0.06111	chrX:05553	0.047346	chrX:12691

chr17:0312	3.29E-04	chr17:0312	2.81E-04	chr17:0312	0.100316	chr17:0312	0.114643	chrX:07221	0.06111	chrX:05553	0.047346	chrX:12691
chr8:03929	2.82E-04	chr8:03929	0.031946	chr8:03929	0.063806	chr8:03929	0.022038	chrX:07221	0.06111	chrX:05553	0.047346	chrX:12691
chr12:0063	0.007647	chr12:0063	0.233656	chr12:0063	0.49062	chr8:03929	0.022038	chrX:07221	0.06111	chrX:05553	0.047346	chrX:12691
chr12:0091	0.015703	chr12:0091	0.027921	chr12:0063	0.49062	chr8:03929	0.022038	chrX:07221	0.06111	chrX:05553	0.047346	chrX:12691
chr7:14007	3.07E-04	chr7:14007	6.68E-04	chr7:14007	0.006985	chr7:14007	0.086763	chrX:07221	0.06111	chrX:05553	0.047346	chrX:12691
chr7:14007	3.07E-04	chr7:14007	6.68E-04	chr7:14007	0.006985	chr7:14007	0.086763	chrX:07221	0.06111	chrX:05553	0.047346	chrX:12691
chr7:14007	3.07E-04	chr7:14007	6.68E-04	chr7:14007	0.006985	chr7:14007	0.086763	chrX:07221	0.06111	chrX:05553	0.047346	chrX:12691
chr1:24517	0.005321	chr1:24517	0.138786	chr7:14007	0.006985	chr7:14007	0.086763	chrX:07221	0.06111	chrX:05553	0.047346	chrX:12691
chr1:24394	0.079867	chr1:24517	0.138786	chr7:14007	0.006985	chr7:14007	0.086763	chrX:07221	0.06111	chrX:05553	0.047346	chrX:12691
chr18:0271	3.25E-04	chr18:0271	5.75E-04	chr18:0271	3.45E-04	chr18:0271	0.010375	chrX:07221	0.06111	chrX:05553	0.047346	chrX:12691
chr4:16852	0.027416	chr4:16852	0.268725	chr4:16852	0.546732	chr18:0271	0.010375	chrX:07221	0.06111	chrX:05553	0.047346	chrX:12691
chr4:16852	0.027416	chr4:16852	0.268725	chr4:16852	0.546732	chr18:0271	0.010375	chrX:07221	0.06111	chrX:05553	0.047346	chrX:12691
chr7:14313	5.18E-04	chr7:14313	3.20E-04	chr7:14313	0.001021	chr7:14313	0.016699	chr7:14313	0.052372	chrX:05553	0.047346	chrX:12691
chr7:03654	0.036784	chr7:03654	0.243934	chr7:14313	0.001021	chr7:14313	0.016699	chr7:14313	0.052372	chrX:05553	0.047346	chrX:12691
chr7:03654	0.036784	chr7:03654	0.243934	chr7:14313	0.001021	chr7:14313	0.016699	chr7:14313	0.052372	chrX:05553	0.047346	chrX:12691
chr1:07781	8.94E-04	chr1:07781	0.054293	chr1:07781	0.024297	chr1:07781	0.033705	chr7:14313	0.052372	chrX:05553	0.047346	chrX:12691
chr1:12015	6.92E-04	chr1:07781	0.054293	chr1:07781	0.024297	chr1:07781	0.033705	chr7:14313	0.052372	chrX:05553	0.047346	chrX:12691
chrX:06764	3.39E-04	chrX:06764	0.013721	chrX:06764	0.070884	chrX:06764	0.250974	chr7:14313	0.052372	chrX:05553	0.047346	chrX:12691
chr3:16119	0.008505	chr3:16119	0.078831	chrX:06764	0.070884	chrX:06764	0.250974	chr7:14313	0.052372	chrX:05553	0.047346	chrX:12691
chr3:16119	0.008505	chr3:16119	0.078831	chrX:06764	0.070884	chrX:06764	0.250974	chr7:14313	0.052372	chrX:05553	0.047346	chrX:12691
chr9:09232	0.153894	chr3:16119	0.078831	chrX:06764	0.070884	chrX:06764	0.250974	chr7:14313	0.052372	chrX:05553	0.047346	chrX:12691
chr2:21026	0.002273	chr2:21027	0.490688	chr2:21027	0.982479	chrX:06764	0.250974	chr7:14313	0.052372	chrX:05553	0.047346	chrX:12691
chr11:0557	0.020967	chr11:0557	0.112564	chr2:21027	0.982479	chrX:06764	0.250974	chr7:14313	0.052372	chrX:05553	0.047346	chrX:12691
chr4:10831	0.010813	chr4:10831	0.051022	chr2:21027	0.982479	chrX:06764	0.250974	chr7:14313	0.052372	chrX:05553	0.047346	chrX:12691
chr1:24508	0.068747	chr4:10831	0.051022	chr2:21027	0.982479	chrX:06764	0.250974	chr7:14313	0.052372	chrX:05553	0.047346	chrX:12691
chr11:0562	0.007073	chr11:0562	0.182886	chr2:21027	0.982479	chrX:06764	0.250974	chr7:14313	0.052372	chrX:05553	0.047346	chrX:12691
chr6:07684	4.11E-04	chr6:07684	0.003239	chr6:07684	0.02629	chr6:07684	0.097111	chr7:14313	0.052372	chrX:05553	0.047346	chrX:12691
chr15:0907	0.002124	chr15:0907	0.017816	chr15:0907	0.096818	chr6:07684	0.097111	chr7:14313	0.052372	chrX:05553	0.047346	chrX:12691
chr16:0041	0.001684	chr16:0041	0.002895	chr15:0907	0.096818	chr6:07684	0.097111	chr7:14313	0.052372	chrX:05553	0.047346	chrX:12691
chrX:13087	0.016772	chrX:13087	0.250486	chrX:13087	0.671022	chr6:07684	0.097111	chr7:14313	0.052372	chrX:05553	0.047346	chrX:12691
chr15:0373	3.83E-04	chr15:0373	0.005106	chr15:0373	0.065649	chr6:07684	0.097111	chr7:14313	0.052372	chrX:05553	0.047346	chrX:12691
chr19:0021	0.004433	chr19:0021	0.17238	chr19:0021	0.090597	chr6:07684	0.097111	chr7:14313	0.052372	chrX:05553	0.047346	chrX:12691
chr19:0100	0.00977	chr19:0100	0.215771	chr19:0021	0.090597	chr6:07684	0.097111	chr7:14313	0.052372	chrX:05553	0.047346	chrX:12691
chr1:22777	4.14E-04	chr1:22777	6.37E-04	chr1:22777	0.014617	chr1:22777	0.09826	chr1:22777	0.187431	chrX:05553	0.047346	chrX:12691
chr2:14511	4.14E-04	chr2:14511	0.001312	chr2:14511	0.004557	chr1:22777	0.09826	chr1:22777	0.187431	chrX:05553	0.047346	chrX:12691
chr2:20121	0.050708	chr2:20121	4.92E-04	chr2:20121	4.16E-04	chr2:20121	0.007713	chr2:20121	0.273274	chrX:05553	0.047346	chrX:12691
chr12:1135	4.23E-04	chr12:1135	0.006804	chr12:1135	0.102044	chr2:20121	0.007713	chr2:20121	0.273274	chrX:05553	0.047346	chrX:12691

chr20:0256	0.004378	chr20:0256	0.094223	chr12:1135	0.102044	chr2:20121	0.007713	chr2:20121	0.273274	chrX:05553	0.047346	chrX:12691
chr20:0256	0.004378	chr20:0256	0.094223	chr12:1135	0.102044	chr2:20121	0.007713	chr2:20121	0.273274	chrX:05553	0.047346	chrX:12691
chr20:0256	0.004378	chr20:0256	0.094223	chr12:1135	0.102044	chr2:20121	0.007713	chr2:20121	0.273274	chrX:05553	0.047346	chrX:12691
chr1:15354	5.55E-04	chr1:15354	0.034378	chr1:15354	0.696116	chr2:20121	0.007713	chr2:20121	0.273274	chrX:05553	0.047346	chrX:12691
chr5:07184	0.001175	chr1:15354	0.034378	chr1:15354	0.696116	chr2:20121	0.007713	chr2:20121	0.273274	chrX:05553	0.047346	chrX:12691
chrX:04858	0.00194	chr1:15354	0.034378	chr1:15354	0.696116	chr2:20121	0.007713	chr2:20121	0.273274	chrX:05553	0.047346	chrX:12691
chr11:0050	0.032907	chr1:15354	0.034378	chr1:15354	0.696116	chr2:20121	0.007713	chr2:20121	0.273274	chrX:05553	0.047346	chrX:12691
chr1:07245	0.173347	chr1:15354	0.034378	chr1:15354	0.696116	chr2:20121	0.007713	chr2:20121	0.273274	chrX:05553	0.047346	chrX:12691
chr3:17364	0.224282	chr1:15354	0.034378	chr1:15354	0.696116	chr2:20121	0.007713	chr2:20121	0.273274	chrX:05553	0.047346	chrX:12691
chr1:16369	0.001707	chr1:16369	0.043478	chr1:15354	0.696116	chr2:20121	0.007713	chr2:20121	0.273274	chrX:05553	0.047346	chrX:12691
chr10:0577	0.002629	chr10:0577	0.124907	chr1:15354	0.696116	chr2:20121	0.007713	chr2:20121	0.273274	chrX:05553	0.047346	chrX:12691
chr11:0550	0.002348	chr11:0550	0.026678	chr11:0550	0.27796	chr2:20121	0.007713	chr2:20121	0.273274	chrX:05553	0.047346	chrX:12691
chr2:09901	0.058257	chr2:09901	0.3259	chr11:0550	0.27796	chr2:20121	0.007713	chr2:20121	0.273274	chrX:05553	0.047346	chrX:12691
chr22:0493	0.020939	chr22:0493	0.018075	chr22:0493	0.094161	chr22:0493	0.579474	chr2:20121	0.273274	chrX:05553	0.047346	chrX:12691
chr14:0797	5.05E-04	chr14:0797	0.028827	chr14:0797	0.272799	chr22:0493	0.579474	chr2:20121	0.273274	chrX:05553	0.047346	chrX:12691
chr10:1119	6.71E-04	chr10:1119	5.06E-04	chr10:1119	0.002447	chr10:1119	0.537398	chr2:20121	0.273274	chrX:05553	0.047346	chrX:12691
chr18:0730	0.001368	chr18:0730	0.019685	chr10:1119	0.002447	chr10:1119	0.537398	chr2:20121	0.273274	chrX:05553	0.047346	chrX:12691
chr2:20677	0.629454	chr18:0730	0.019685	chr10:1119	0.002447	chr10:1119	0.537398	chr2:20121	0.273274	chrX:05553	0.047346	chrX:12691
chr2:20677	0.629454	chr18:0730	0.019685	chr10:1119	0.002447	chr10:1119	0.537398	chr2:20121	0.273274	chrX:05553	0.047346	chrX:12691
chr1:01263	0.002695	chr18:0730	0.019685	chr10:1119	0.002447	chr10:1119	0.537398	chr2:20121	0.273274	chrX:05553	0.047346	chrX:12691
chr2:02118	5.68E-04	chr2:02118	0.006197	chr2:02118	0.072166	chr10:1119	0.537398	chr2:20121	0.273274	chrX:05553	0.047346	chrX:12691
chr18:0268	0.006802	chr18:0268	6.23E-04	chr18:0268	5.76E-04	chr18:0268	0.007958	chr18:0268	0.160722	chrX:05553	0.047346	chrX:12691
chr18:0268	0.006802	chr18:0268	6.23E-04	chr18:0268	5.76E-04	chr18:0268	0.007958	chr18:0268	0.160722	chrX:05553	0.047346	chrX:12691
chr18:0075	6.02E-04	chr18:0268	6.23E-04	chr18:0268	5.76E-04	chr18:0268	0.007958	chr18:0268	0.160722	chrX:05553	0.047346	chrX:12691
chr20:0553	0.033013	chr18:0268	6.23E-04	chr18:0268	5.76E-04	chr18:0268	0.007958	chr18:0268	0.160722	chrX:05553	0.047346	chrX:12691
chr9:12429	0.021409	chr9:12429	0.224989	chr18:0268	5.76E-04	chr18:0268	0.007958	chr18:0268	0.160722	chrX:05553	0.047346	chrX:12691
chr20:0294	8.93E-04	chr20:0294	6.43E-04	chr20:0294	0.044111	chr18:0268	0.007958	chr18:0268	0.160722	chrX:05553	0.047346	chrX:12691
chr15:0635	6.51E-04	chr20:0294	6.43E-04	chr20:0294	0.044111	chr18:0268	0.007958	chr18:0268	0.160722	chrX:05553	0.047346	chrX:12691
chr5:09989	6.54E-04	chr5:09989	0.006304	chr5:09989	0.232353	chr18:0268	0.007958	chr18:0268	0.160722	chrX:05553	0.047346	chrX:12691
chr6:05288	6.75E-04	chr6:05288	0.024194	chr5:09989	0.232353	chr18:0268	0.007958	chr18:0268	0.160722	chrX:05553	0.047346	chrX:12691
chr6:13301	0.233095	chr6:05288	0.024194	chr5:09989	0.232353	chr18:0268	0.007958	chr18:0268	0.160722	chrX:05553	0.047346	chrX:12691
chr5:18058	0.010234	chr6:05288	0.024194	chr5:09989	0.232353	chr18:0268	0.007958	chr18:0268	0.160722	chrX:05553	0.047346	chrX:12691
chr13:0487	7.07E-04	chr13:0487	0.003098	chr13:0487	0.200944	chr18:0268	0.007958	chr18:0268	0.160722	chrX:05553	0.047346	chrX:12691
chr18:0170	7.07E-04	chr18:0170	0.086132	chr18:0170	0.033252	chr18:0170	0.25386	chr18:0268	0.160722	chrX:05553	0.047346	chrX:12691
chr1:15798	7.18E-04	chr1:15798	0.004837	chr1:15798	0.010175	chr1:15798	0.167629	chr18:0268	0.160722	chrX:05553	0.047346	chrX:12691
chr1:21299	0.156721	chr1:15798	0.004837	chr1:15798	0.010175	chr1:15798	0.167629	chr18:0268	0.160722	chrX:05553	0.047346	chrX:12691
chr11:0059	0.018036	chr11:0059	0.064148	chr1:15798	0.010175	chr1:15798	0.167629	chr18:0268	0.160722	chrX:05553	0.047346	chrX:12691

chr19:0632	0.008747	chr11:0059	0.064148	chr1:15798	0.010175	chr1:15798	0.167629	chr18:0268	0.160722	chrX:05553	0.047346	chrX:12691
chr6:11944	7.43E-04	chr6:11944	0.046006	chr1:15798	0.010175	chr1:15798	0.167629	chr18:0268	0.160722	chrX:05553	0.047346	chrX:12691
chr3:15403	0.432468	chr3:15403	0.611397	chr1:15798	0.010175	chr1:15798	0.167629	chr18:0268	0.160722	chrX:05553	0.047346	chrX:12691
chr1:14900	7.61E-04	chr1:14900	0.005488	chr1:14901	0.049683	chr1:15798	0.167629	chr18:0268	0.160722	chrX:05553	0.047346	chrX:12691
chr11:0054	7.69E-04	chr11:0054	0.023432	chr11:0054	0.372802	chr1:15798	0.167629	chr18:0268	0.160722	chrX:05553	0.047346	chrX:12691
chr1:16495	7.74E-04	chr1:16495	9.96E-04	chr1:16495	0.233502	chr1:15798	0.167629	chr18:0268	0.160722	chrX:05553	0.047346	chrX:12691
chrX:03008	7.76E-04	chrX:03008	0.025147	chr1:16495	0.233502	chr1:15798	0.167629	chr18:0268	0.160722	chrX:05553	0.047346	chrX:12691
chrX:03008	7.76E-04	chrX:03008	0.025147	chr1:16495	0.233502	chr1:15798	0.167629	chr18:0268	0.160722	chrX:05553	0.047346	chrX:12691
chr11:1045	0.094245	chrX:03008	0.025147	chr1:16495	0.233502	chr1:15798	0.167629	chr18:0268	0.160722	chrX:05553	0.047346	chrX:12691
chr1:01938	0.163663	chr1:01938	0.497897	chr1:01938	0.4714	chr1:15798	0.167629	chr18:0268	0.160722	chrX:05553	0.047346	chrX:12691
chr7:09467	0.356816	chr7:09467	0.557246	chr1:01938	0.4714	chr1:15798	0.167629	chr18:0268	0.160722	chrX:05553	0.047346	chrX:12691
chr17:0066	8.29E-04	chr17:0066	0.005033	chr17:0066	0.048824	chr1:15798	0.167629	chr18:0268	0.160722	chrX:05553	0.047346	chrX:12691
chr3:01236	0.007232	chr3:01236	0.069006	chr17:0066	0.048824	chr1:15798	0.167629	chr18:0268	0.160722	chrX:05553	0.047346	chrX:12691
chr2:18236	0.006777	chr2:18236	0.013508	chr17:0066	0.048824	chr1:15798	0.167629	chr18:0268	0.160722	chrX:05553	0.047346	chrX:12691
chr14:0636	0.010023	chr14:0636	8.49E-04	chr14:0636	0.031922	chr1:15798	0.167629	chr18:0268	0.160722	chrX:05553	0.047346	chrX:12691
chr2:16913	8.93E-04	chr2:16913	0.001531	chr2:16913	0.055523	chr2:16913	0.373572	chr18:0268	0.160722	chrX:05553	0.047346	chrX:12691
chr11:0089	9.02E-04	chr11:0089	0.001464	chr11:0089	0.02631	chr11:0089	0.454044	chr18:0268	0.160722	chrX:05553	0.047346	chrX:12691
chr5:04110	9.19E-04	chr5:04110	0.020159	chr11:0089	0.02631	chr11:0089	0.454044	chr18:0268	0.160722	chrX:05553	0.047346	chrX:12691
chr9:13206	0.001926	chr5:04110	0.020159	chr11:0089	0.02631	chr11:0089	0.454044	chr18:0268	0.160722	chrX:05553	0.047346	chrX:12691
chr9:13206	0.001926	chr5:04110	0.020159	chr11:0089	0.02631	chr11:0089	0.454044	chr18:0268	0.160722	chrX:05553	0.047346	chrX:12691
chr11:1283	0.004198	chr11:1283	0.057211	chr11:0089	0.02631	chr11:0089	0.454044	chr18:0268	0.160722	chrX:05553	0.047346	chrX:12691
chrX:15271	0.004527	chrX:15271	9.31E-04	chrX:15271	0.003825	chrX:15271	0.352817	chr18:0268	0.160722	chrX:05553	0.047346	chrX:12691
chr4:12235	9.31E-04	chr4:12235	0.009931	chr4:12235	0.248888	chrX:15271	0.352817	chr18:0268	0.160722	chrX:05553	0.047346	chrX:12691
chr7:03056	0.032973	chr4:12235	0.009931	chr4:12235	0.248888	chrX:15271	0.352817	chr18:0268	0.160722	chrX:05553	0.047346	chrX:12691
chr11:0471	0.056713	chr11:0471	0.228031	chr4:12235	0.248888	chrX:15271	0.352817	chr18:0268	0.160722	chrX:05553	0.047346	chrX:12691
chrX:11540	0.088178	chr11:0471	0.228031	chr4:12235	0.248888	chrX:15271	0.352817	chr18:0268	0.160722	chrX:05553	0.047346	chrX:12691
chr5:14932	0.017932	chr5:14932	0.542987	chr5:14932	0.436567	chrX:15271	0.352817	chr18:0268	0.160722	chrX:05553	0.047346	chrX:12691
chr14:0745	9.74E-04	chr14:0745	0.100834	chr14:0745	0.22908	chrX:15271	0.352817	chr18:0268	0.160722	chrX:05553	0.047346	chrX:12691
chr6:05529	0.006436	chr6:05529	0.444202	chr14:0745	0.22908	chrX:15271	0.352817	chr18:0268	0.160722	chrX:05553	0.047346	chrX:12691

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