

ID	# of Peaks	Average Relative Copy Number of Peaks
TCGA-02-2485	12	11.054208
TCGA-06-0173	9	23.263625
TCGA-28-5214	9	12.277092
TCGA-26-5135	8	16.758678
TCGA-32-1991	8	15.479873
TCGA-19-5954	8	15.073571
TCGA-19-2624	7	23.382761
TCGA-32-2615	6	25.930583
TCGA-06-2559	6	12.770038
TCGA-06-5411	6	12.253837
TCGA-32-4213	6	11.716073
TCGA-27-1837	6	10.253716
TCGA-12-0619	6	10.070365
TCGA-06-0152	5	31.284708
TCGA-06-5856	5	26.578521
TCGA-26-5132	5	22.652598
TCGA-06-0209	5	21.39155
TCGA-15-0742	5	20.424676
TCGA-14-1823	5	16.843732
TCGA-41-2571	5	15.842008
TCGA-32-5222	5	14.961124
TCGA-28-5209	5	14.061213
TCGA-06-0129	5	13.61483
TCGA-28-5220	5	11.316287
TCGA-27-2528	5	10.034469
TCGA-06-0216	5	9.831964
TCGA-16-1048	5	9.171219
TCGA-28-5208	5	9.152852
TCGA-12-0616	4	22.371897
TCGA-06-0686	4	20.664797
TCGA-76-4934	4	17.769925
TCGA-32-2632	4	14.768977
TCGA-19-5960	4	13.947989
TCGA-06-0878	4	13.729739
TCGA-14-0817	4	12.240987
TCGA-27-1833	4	11.862517
TCGA-16-0846	4	10.731018
TCGA-06-0139	4	7.04355
TCGA-06-0211	3	25.972111
TCGA-28-2499	3	23.54916
TCGA-06-0648	3	21.291094
TCGA-19-2631	3	20.849487

TCGA-14-0790	3	19.566625
TCGA-06-0157	3	19.340988
TCGA-06-2563	3	17.527396
TCGA-16-1045	3	16.568445
TCGA-41-2575	3	16.363283
TCGA-02-0003	3	16.334661
TCGA-06-0154	3	12.74801
TCGA-32-1970	3	12.737631
TCGA-12-3649	3	11.41622
TCGA-06-0219	3	10.308611
TCGA-06-5408	3	9.727863
TCGA-12-5299	2	37.014204
TCGA-19-5952	2	29.584814
TCGA-76-4927	2	29.214782
TCGA-19-5959	2	28.490516
TCGA-06-0744	2	27.386282
TCGA-12-3650	2	24.679279
TCGA-14-0787	2	23.299797
TCGA-06-0145	2	22.027556
TCGA-12-0618	2	21.350444
TCGA-76-4926	2	20.094545
TCGA-06-0185	2	19.410356
TCGA-06-0158	2	18.800617
TCGA-02-2486	2	18.605752
TCGA-28-1753	2	17.59519
TCGA-27-1836	2	15.776924
TCGA-06-0750	2	15.646103
TCGA-27-1838	2	15.472971
TCGA-87-5896	2	15.302845
TCGA-28-2514	2	14.87911
TCGA-06-0137	2	14.350612
TCGA-32-1979	2	14.063768
TCGA-06-0122	2	13.823093
TCGA-19-2620	2	11.649355
TCGA-12-0692	2	11.224716
TCGA-06-0876	2	11.144622
TCGA-32-1982	2	10.784111
TCGA-41-5651	2	10.77625
TCGA-06-0210	2	9.525275
TCGA-76-6193	2	9.516316
TCGA-28-1747	2	9.232839
TCGA-06-2564	2	8.780631
TCGA-06-2570	2	7.821807
TCGA-26-5134	2	5.904037

TCGA-16-0848	2	5.621776
TCGA-12-3653	1	55.905091
TCGA-41-3393	1	50.653837
TCGA-27-2523	1	38.685118
TCGA-06-0241	1	37.923253
TCGA-06-5414	1	37.252668
TCGA-14-0786	1	36.230751
TCGA-32-4719	1	34.65334
TCGA-06-0747	1	33.400449
TCGA-06-0126	1	32.908447
TCGA-16-0861	1	32.593497
TCGA-26-1439	1	29.293981
TCGA-41-2572	1	28.853221
TCGA-32-1977	1	28.092375
TCGA-14-1829	1	27.637138
TCGA-27-1831	1	26.933529
TCGA-06-0745	1	26.517452
TCGA-12-0688	1	24.59531
TCGA-32-2638	1	24.562949
TCGA-06-2565	1	24.444191
TCGA-06-0125	1	24.144983
TCGA-32-2495	1	23.50346
TCGA-41-3392	1	22.81664
TCGA-14-2554	1	22.7596
TCGA-06-5415	1	22.048726
TCGA-12-5295	1	21.996341
TCGA-19-5950	1	20.412437
TCGA-28-5204	1	19.808404
TCGA-76-4932	1	19.636705
TCGA-26-5139	1	18.595287
TCGA-27-2518	1	18.516892
TCGA-06-0645	1	18.396576
TCGA-76-6282	1	17.308863
TCGA-06-0169	1	16.94081
TCGA-12-3652	1	16.006259
TCGA-06-5413	1	15.725551
TCGA-06-0877	1	14.833047
TCGA-76-4931	1	14.226245
TCGA-06-2557	1	13.170371
TCGA-12-0615	1	12.986445
TCGA-12-1597	1	12.12364
TCGA-28-5216	1	12.034026
TCGA-81-5910	1	11.289239
TCGA-06-0132	1	10.782951

TCGA-02-2483	1	8.739274
TCGA-32-4211	1	8.324967
TCGA-32-4209	1	6.95
TCGA-06-0155	1	6.792502
TCGA-06-0214	1	6.701298
TCGA-06-2569	1	6.65
TCGA-14-0789	1	6.572428
TCGA-06-0650	1	6.56268
TCGA-14-0871	1	6.485826
TCGA-06-0882	1	6.19
TCGA-19-1790	1	6.008861
TCGA-06-0124	1	5.87
TCGA-19-5956	1	5.5
TCGA-27-2521	1	5.43
TCGA-28-5218	1	5.4
TCGA-28-5207	1	5.384615
TCGA-76-4928	1	5.35
TCGA-76-4935	1	5.230769
TCGA-15-1444	1	5.22
TCGA-06-0237	1	5.17
TCGA-06-0192	1	5.14
TCGA-06-0875	1	5.07
TCGA-02-0033	0	0
TCGA-02-0047	0	0
TCGA-02-0055	0	0
TCGA-02-2470	0	0
TCGA-06-0128	0	0
TCGA-06-0130	0	0
TCGA-06-0141	0	0
TCGA-06-0142	0	0
TCGA-06-0151	0	0
TCGA-06-0165	0	0
TCGA-06-0166	0	0
TCGA-06-0167	0	0
TCGA-06-0168	0	0
TCGA-06-0171	0	0
TCGA-06-0178	0	0
TCGA-06-0184	0	0
TCGA-06-0188	0	0
TCGA-06-0189	0	0
TCGA-06-0195	0	0
TCGA-06-0213	0	0
TCGA-06-0221	0	0
TCGA-06-0238	0	0

TCGA-06-0240	0	0
TCGA-06-0644	0	0
TCGA-06-0646	0	0
TCGA-06-0749	0	0
TCGA-06-0879	0	0
TCGA-06-0881	0	0
TCGA-06-0939	0	0
TCGA-06-1804	0	0
TCGA-06-2558	0	0
TCGA-06-2561	0	0
TCGA-06-2562	0	0
TCGA-06-2567	0	0
TCGA-06-5410	0	0
TCGA-06-5412	0	0
TCGA-06-5416	0	0
TCGA-06-5417	0	0
TCGA-06-5418	0	0
TCGA-06-5858	0	0
TCGA-06-5859	0	0
TCGA-06-6389	0	0
TCGA-06-6390	0	0
TCGA-06-6391	0	0
TCGA-08-0386	0	0
TCGA-12-1091	0	0
TCGA-12-1094	0	0
TCGA-12-1095	0	0
TCGA-12-1098	0	0
TCGA-12-1099	0	0
TCGA-12-5301	0	0
TCGA-14-0783	0	0
TCGA-14-0813	0	0
TCGA-14-1034	0	0
TCGA-14-1402	0	0
TCGA-14-1456	0	0
TCGA-14-1825	0	0
TCGA-14-3476	0	0
TCGA-14-4157	0	0
TCGA-15-1447	0	0
TCGA-16-1047	0	0
TCGA-16-1055	0	0
TCGA-19-0955	0	0
TCGA-19-0960	0	0
TCGA-19-0962	0	0
TCGA-19-1390	0	0

TCGA-19-1392	0	0
TCGA-19-1787	0	0
TCGA-19-2619	0	0
TCGA-19-2623	0	0
TCGA-19-2625	0	0
TCGA-19-2629	0	0
TCGA-19-4068	0	0
TCGA-19-5947	0	0
TCGA-19-5955	0	0
TCGA-19-5958	0	0
TCGA-26-1440	0	0
TCGA-26-1442	0	0
TCGA-26-1443	0	0
TCGA-26-5133	0	0
TCGA-26-5136	0	0
TCGA-27-1830	0	0
TCGA-27-1832	0	0
TCGA-27-1834	0	0
TCGA-27-1835	0	0
TCGA-27-2519	0	0
TCGA-27-2524	0	0
TCGA-27-2527	0	0
TCGA-28-2501	0	0
TCGA-28-2502	0	0
TCGA-28-2509	0	0
TCGA-28-2510	0	0
TCGA-28-2513	0	0
TCGA-28-5213	0	0
TCGA-28-5219	0	0
TCGA-28-6450	0	0
TCGA-32-1980	0	0
TCGA-32-1986	0	0
TCGA-32-2491	0	0
TCGA-32-2494	0	0
TCGA-32-2616	0	0
TCGA-32-2634	0	0
TCGA-32-4208	0	0
TCGA-32-4210	0	0
TCGA-41-2573	0	0
TCGA-41-3915	0	0
TCGA-41-4097	0	0
TCGA-76-4925	0	0
TCGA-76-4929	0	0
TCGA-76-6191	0	0

TCGA-76-6192	0	0
TCGA-76-6285	0	0

# of Chromosomes with Peaks	Chromosomes with Peaks	1
4	1,4,7,12	11.28,10.75,9.94,11.65,11.09,10.47
3	1,7,12	22.88
3	7,12,20	0
2	4,12	0
4	1,7,12,20	21.55,22.59
5	1,5,7,12,21	6.96
2	7,12	0
1	7	0
2	4,12	0
1	1	12.40,12.81,13.02,10.70,11.25,13.34
2	1,7	9.66
2	1,7	5.65
4	1,2,7,17	5.61
2	7,12	0
2	7,12	0
2	7,12	0
4	3,4,7,12	0
1	7	0
1	7	0
2	12,16	0
1	7	0
1	7	0
2	6,12	0
1	1	5.73,9.08,13.84,13.92,14.01
2	1,7	6.69
1	1	9.45,11.29,8.98,7.48,11.96
1	7	0
1	7	0
3	4,7,12	0
2	6,12	0
3	4,5,7	0
3	1,7,8	18.28,16.15
3	6,12,17	0
2	4,7	0
2	1,7	5.39
2	1,7	5.35
2	4,12	0
4	5,11,12,16	0
1	7	0
2	7,14	0
1	12	0
1	7	0

2	1,7	5.6
2	1,7	27.04
1	7	0
1	7	0
1	4	0
2	7,12	0
1	7	0
1	7	0
2	7,16	0
1	7	0
1	7	0
1	7	0
1	7	0
1	7	0
1	7	0
1	7	0
2	5,7	0
1	7	0
2	7,12	0
1	12	0
1	7	0
1	7	0
1	7	0
1	7	0
1	7	0
2	2,7	0
1	7	0
2	7,12	0
1	7	0
1	7	0
1	7	0
1	7	0
1	7	0
1	7	0
2	1,17	15.55
2	7,9	0
2	4,7	0
1	12	0
1	1	9.87,9.18
1	4	0
1	7	0
2	1,7	7.72
1	12	0
1	9	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	15.46,15.77,17.85	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	5.48	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
9.16	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	5.23	0	0
0	0	0	0	0
0	0	0	0	0
0	0	7.86,11.17	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

Average Relative Copy Number of Each Peak Within Each Ch

7	8	9	10	11
14.24,14.17,10.25	0	0	0	0
16.14,13.65	0	0	0	0
21.56	0	0	0	0
0	0	0	0	0
33.76	0	0	0	0
14.54,16.10,13.43	0	0	0	0
23.12,19.73	0	0	0	0
34.48,39.84,36.63,15.50,14.32,14.81	0	0	0	0
0	0	0	0	0
0	0	0	0	0
13.71,9.29,13.51,12.27,11.86	0	0	0	0
9.01,12.07,10.49,12.61,11.70	0	0	0	0
24.37	0	0	0	0
37.18	0	0	0	0
16.72	0	0	0	0
9.59,9.17	0	0	0	0
24.67	0	0	0	0
21.31,19.92,19.90,21.52,19.48	0	0	0	0
18.08,16.88,17.11,14.30,17.84	0	0	0	0
0	0	0	0	0
17.26,18.87,10.50,12.41,15.76	0	0	0	0
15.32,10.31,14.51,15.28,14.88	0	0	0	0
0	0	0	0	0
0	0	0	0	0
8.03,14.37,8.05,13.02	0	0	0	0
0	0	0	0	0
9.24,9.47,7.01,9.24,10.90	0	0	0	0
8.59,12.03,9.10,8.95,7.10	0	0	0	0
16.51,8.70	0	0	0	0
0	0	0	0	0
18.80,15.85	0	0	0	0
19.38	5.27	0	0	0
0	0	0	0	0
17.06,16.11,15.37	0	0	0	0
12.63,19.64,11.31	0	0	0	0
17.67,16.77,7.66	0	0	0	0
0	0	0	0	0
0	0	0	0	5.17
33.39,23.43,21.09	0	0	0	0
22.49	0	0	0	0
0	0	0	0	0
26.43,21.71,14.41	0	0	0	0

26.95,26.15	0	0	0	0
17.58,13.40	0	0	0	0
18.58,16.29,17.71	0	0	0	0
16.68,16.00,17.03	0	0	0	0
0	0	0	0	0
23.25	0	0	0	0
12.14,13.82,12.29	0	0	0	0
9.79,15.90,12.52	0	0	0	0
12.23	0	0	0	0
8.02,11.37,11.53	0	0	0	0
10.23,9.77,9.18	0	0	0	0
32.86,41.17	0	0	0	0
31.23,27.94	0	0	0	0
29.72,28.71	0	0	0	0
27.71,29.27	0	0	0	0
49.49,5.28	0	0	0	0
43.88	0	0	0	0
21.48,25.12	0	0	0	0
38.57	0	0	0	0
0	0	0	0	0
17.22,22.97	0	0	0	0
23.45,15.37	0	0	0	0
19.75,17.85	0	0	0	0
17.52,19.69	0	0	0	0
18.87,16.32	0	0	0	0
22.39	0	0	0	0
15.55,15.74	0	0	0	0
19.38	0	0	0	0
16.13,14.48	0	0	0	0
22.51,7.25	0	0	0	0
15.08,13.62	0	0	0	0
21.21,6.92	0	0	0	0
13.81,13.84	0	0	0	0
11.55,11.75	0	0	0	0
0	0	0	0	0
17.27	0	5.02	0	0
16.34	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
9.86,8.61	0	0	0	0
9.84	0	0	0	0
0	0	0	0	0
0	0	5.69,6.12	0	0

0	0	0	0	0
55.91	0	0	0	0
50.65	0	0	0	0
38.69	0	0	0	0
0	0	0	0	0
37.25	0	0	0	0
36.23	0	0	0	0
34.65	0	0	0	0
33.4	0	0	0	0
32.91	0	0	0	0
32.59	0	0	0	0
29.29	0	0	0	0
28.85	0	0	0	0
28.09	0	0	0	0
27.64	0	0	0	0
26.93	0	0	0	0
26.52	0	0	0	0
24.6	0	0	0	0
24.56	0	0	0	0
24.44	0	0	0	0
24.14	0	0	0	0
23.5	0	0	0	0
22.82	0	0	0	0
22.76	0	0	0	0
22.05	0	0	0	0
22	0	0	0	0
20.41	0	0	0	0
19.81	0	0	0	0
19.64	0	0	0	0
18.6	0	0	0	0
18.52	0	0	0	0
18.4	0	0	0	0
17.31	0	0	0	0
16.94	0	0	0	0
16.01	0	0	0	0
15.73	0	0	0	0
14.83	0	0	0	0
14.23	0	0	0	0
13.17	0	0	0	0
12.99	0	0	0	0
12.12	0	0	0	0
0	0	0	0	0
11.29	0	0	0	0
10.78	0	0	0	0

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0	0	0	0	0
0	0	0	0	0

12	13	14	15	16	17	18	19
7.67,6.41	0	0	0	0	0	0	0
34.78,33.19,9.40,5.63,38.24,35.47	0	0	0	0	0	0	0
13.78,14.61,10.52,11.04,19.38	0	0	0	0	0	0	0
16.14,13.93,15.67,17.45,19.12,17.44	0	0	0	0	0	0	0
7.08,8.44,7.23,11.71	0	0	0	0	0	0	0
8.59	0	0	0	0	0	0	0
20.90,18.26,24.53,21.78,35.36	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
9.85	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	5.31	0	0
41.12,21.40,30.23,26.50	0	0	0	0	0	0	0
31.94,31.02,31.05,22.16	0	0	0	0	0	0	0
43.73,44.08,6.70	0	0	0	0	0	0	0
28.34,24.12	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
18.25,24.16,20.74	0	0	0	9.07,6.99	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
17.17	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
27.22	0	0	0	0	0	0	0
20.50,21.42	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
12.63,13.27	0	0	0	0	5.91	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
15.78	0	0	0	0	0	0	0
7.74	0	0	0	9.98	0	0	0
0	0	0	0	0	0	0	0
0	0	21.25,26.90	0	0	0	0	0
24.08,17.92,21.87	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0

0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
12.95,12.81	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	12.13,9.89	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
5.49	0	0	0	0	0	0	0
21.37,21.34	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
11.56	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	6.9	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
8.79,12.76	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
8.60,7.04	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0

[illegible]

[illegible]

[illegible]

[illegible]

0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0

20	21	22	Evidence of Structural Variants Associated with Peaks
0	0	0	Yes
0	0	0	Yes
5.94,6.89,6.78	0	0	Yes
0	0	0	Yes
11.49	0	0	Yes
0	19.11,15.52	0	Yes
0	0	0	Yes
0	0	0	Yes
0	0	0	Yes
0	0	0	Yes
0	0	0	Yes
0	0	0	Yes
0	0	0	Yes
0	0	0	Yes
0	0	0	Yes
0	0	0	Yes
0	0	0	No
0	0	0	No
0	0	0	Yes
0	0	0	No
0	0	0	No
0	0	0	Yes
0	0	0	No
0	0	0	Yes
0	0	0	Yes
0	0	0	Yes
0	0	0	Yes
0	0	0	No
0	0	0	No
0	0	0	Yes
0	0	0	Yes
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0	0	0	No
0	0	0	Yes
0	0	0	Yes
0	0	0	No

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0	0	0	Yes
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0	0	0	Yes
0	0	0	Yes
0	0	0	Yes
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0	0	0	Yes
0	0	0	Yes
0	0	0	No
0	0	0	Yes
0	0	0	No
0	0	0	Yes
0	0	0	No
0	0	0	No
0	0	0	No

[illegible]

[illegible]

[illegible]

0	0	0
0	0	0

No
No

# Oncogenes	Oncogenes on Peaks	Possible dMin
4	AKT3, PDGFRA, EGFR, CDK4	Yes
4	AKT3, EGFR, CDK4, MDM2	Yes
3	EGFR, CDK4, MDM2	Yes
4	PDGFRA, CDK4, SRGAP1, MDM2	Yes
5	PIK3C2B, MDM4, EGFR, CCND2, PARP11	Yes
6	PIK3C2B, MDM4, TERT, EGFR, CCND2, PARP11	Yes
4	EGFR, CDK4, IL26, MDM2	Yes
2	EGFR, CDK6	Yes
2	PDGFRA, CDK4	Yes
2	PIK3C2B, MDM4	Yes
3	PIK3C2B, MDM4, EGFR	Yes
1	EGFR	No
2	MYCN, EGFR	Yes
3	EGFR, CDK4, MDM2	Yes
3	EGFR, CDK4, MDM2	Yes
5	EGFR, CCND2, FGF23, FGF6, MDM2	Yes
3	EGFR, MDM2, CDK4	Yes
1	EGFR	No
3	EGFR, HGF, CDK6	Yes
3	CDK4, MDM2, MMP2	Yes
1	EGFR	No
1	EGFR	No
2	CCND3, CDK4	Yes
2	PIK3C2B, MDM4	No
2	EGFR, CDK5	Yes
1	AKT3	No
1	EGFR	No
1	EGFR	No
4	EGFR, MET, CDK4, MDM2	Yes
3	VEGFA, CDK4, MDM2	Yes
2	PDGFRA, MET	Yes
3	MDM4, PIK3C2B, EGFR	Yes
2	CDK2, CDK5	Yes
1	EGFR	No
1	EGFR	Yes
1	EGFR	Yes
2	PDGFRA, CDK4	Yes
0		No
1	EGFR	No
1	EGFR	Yes
1	MDM2	Yes
1	EGFR	Yes

1	EGFR	No
1	PIK3C2B, MDM4, EGFR	Yes
1	EGFR	No
1	EGFR	No
1	PDGFRA	No
2	EGFR, CDK4	Yes
1	EGFR	No
1	EGFR	Yes
1	EGFR	Yes
1	EGFR	No
1	EGFR	No
1	EGFR	Yes
1	EGFR	No
1	EGFR	No
1	EGFR	Yes
1	EGFR	Yes
1	EGFR	No
1	EGFR	No
2	EGFR, CDK4	Yes
1	CDK4	No
1	EGFR	No
1	EGFR	Yes
1	EGFR	No
1	EGFR	No
1	EGFR	No
2	MYCN, EGFR	Yes
1	EGFR	No
6	EGFR, PAPRP11, CCND2, FGF23, FGF6, CDK4	Yes
1	EGFR	No
1	EGFR	No
1	EGFR	No
1	EGFR	No
1	EGFR	No
1	EGFR	Yes
2	PIK3C2B, MDM4	No
1	EGFR	No
1	EGFR	No
1	CDK4	Yes
2	PIK3C2B, MDM4	No
1	PDGFRA	No
1	EGFR	No
1	EGFR	No
1	CDK4	Yes
0		No

1	PDGFRA	No
1	EGFR	Yes
1	EGFR	No
1	EGFR	Yes
1	PDGFRA	No
1	EGFR	No
1	EGFR	No
1	EGFR	No
1	EGFR	No
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1	EGFR	No
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1	EGFR	Yes
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1	EGFR	Yes
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1	EGFR	No
1	EGFR	Yes
1	EGFR	No
1	EGFR	Yes
1	EGFR	No
1	EGFR	Yes
1	PDGFRA	No
1	EGFR	No
1	EGFR	No

[illegible]

[illegible]

[illegible]

0
0

No
No

Notes

mult peaks, at least one contains an oncogene
mult peaks, at least one contains an oncogene
mult peaks, at least one contains an oncogene
mult peaks, at least one contains an oncogene
mult peaks, at least one contains an oncogene
mult peaks, at least one contains an oncogene
mult peaks, at least one contains an oncogene
mult peaks, at least one contains an oncogene
mult peaks, at least one contains an oncogene
mult peaks, at least one contains an oncogene

1 peak, Not ~1Mb long

1 peak, ~1Mb long, contains an oncogene, at least 1 rearrangement associated w/ peak

mult peaks, at least one contains an oncogene
mult peaks, at least one contains an oncogene
mult peaks, at least one contains an oncogene
mult peaks, at least one contains an oncogene

1 peak, no rearrangements

mult peaks, at least one contains an oncogene
mult peaks, at least one contains an oncogene

1 peak, no rearrangements

1 peak, no rearrangements

mult peaks, at least one contains an oncogene

1 peak, no rearrangements

mult peaks, at least one contains an oncogene

1 peak, no rearrangements

1 peak, no rearrangements

1 peak, Not ~1Mb long

mult peaks, at least one contains an oncogene
mult peaks, at least one contains an oncogene
mult peaks, at least one contains an oncogene
mult peaks, at least one contains an oncogene
mult peaks, at least one contains an oncogene

1 peak, no rearrangements

1 peak, ~1Mb long, contains an oncogene, at least 1 rearrangement associated w/ peak

mult peaks, at least one contains an oncogene
mult peaks, at least one contains an oncogene

No actual peak

1 peak, no rearrangements

mult peaks, at least one contains an oncogene
mult peaks, at least one contains an oncogene
mult peaks, at least one contains an oncogene

- 1 peak, no rearrangements
- mult peaks, at least one contains an oncogene
 - 1 peak, no rearrangements
 - 1 peak, no rearrangements
 - 1 peak, no rearrangements
- mult peaks, at least one contains an oncogene
 - 1 peak, no rearrangements
- mult peaks, at least one contains an oncogene
- mult peaks, at least one contains an oncogene
 - 1 peak, no rearrangements
 - 1 peak, no rearrangements
- mult peaks, at least one contains an oncogene
 - 1 peak, no rearrangements
 - 1 peak, no rearrangements
- mult peaks, at least one contains an oncogene
- 1 peak, ~1Mb long, contains an oncogene, at least 1 rearrangement associated w/ peak
 - 1 peak, no rearrangements
 - 1 peak, no rearrangements
- mult peaks, at least one contains an oncogene
 - 1 peak, no rearrangements
 - 1 peak, no rearrangements
- 1 peak, ~1Mb long, contains an oncogene, at least 1 rearrangement associated w/ peak
 - 1 peak, no rearrangements
 - 1 peak, no rearrangements
 - 1 peak, no rearrangements
- mult peaks, at least one contains an oncogene
 - 1 peak, no rearrangements
- mult peaks, at least one contains an oncogene
 - 1 peak, no rearrangements
 - 1 peak, no rearrangements
 - 1 peak, no rearrangements
 - 1 peak, no rearrangements
 - 1 peak, no rearrangements
- mult peaks, at least one contains an oncogene
 - 1 peak, no rearrangements
 - 1 peak, no rearrangements
 - 1 peak, no rearrangements
- 1 peak, ~1Mb long, contains an oncogene, at least 1 rearrangement associated w/ peak
 - 1 peak, no rearrangements
 - No actual peak
 - 1 peak, no rearrangements
 - 1 peak, no rearrangements
- mult peaks, at least one contains an oncogene
 - No known oncogenes within peak(s)

1 peak, no rearrangements

1 peak, ~1Mb long, contains an oncogene, at least 1 rearrangement associated w/ peak

No rearrangements

1 peak, ~1Mb long, contains an oncogene, at least 1 rearrangement associated w/ peak

1 peak, no rearrangements

1 peak, no rearrangements

1 peak, no rearrangements

1 peak, no rearrangements

1 peak, no rearrangements

No rearrangements

1 peak, no rearrangements

1 peak, no rearrangements

1 peak, no rearrangements

No rearrangements

No rearrangements

1 peak, ~1Mb long, contains an oncogene, at least 1 rearrangement associated w/ peak

1 peak, ~1Mb long, contains an oncogene, at least 1 rearrangement associated w/ peak

1 peak, ~1Mb long, contains an oncogene, at least 1 rearrangement associated w/ peak

1 peak, no rearrangements

No rearrangements

1 peak, no rearrangements

1 peak, no rearrangements

No rearrangements

1 peak, ~1Mb long, contains an oncogene, at least 1 rearrangement associated w/ peak

1 peak, ~1Mb long, contains an oncogene, at least 1 rearrangement associated w/ peak

No rearrangements

No rearrangements

No rearrangements

No rearrangements

No rearrangements

1 peak, no rearrangements

1 peak, ~1Mb long, contains an oncogene, at least 1 rearrangement associated w/ peak

No rearrangements

1 peak, no rearrangements

1 peak, no rearrangements

1 peak, no rearrangements

1 peak, ~1Mb long, contains an oncogene, at least 1 rearrangement associated w/ peak

1 peak, no rearrangements

mult peaks, at least one contains an oncogene

1 peak, Not ~1Mb long

1 peak, ~1Mb long, contains an oncogene, at least 1 rearrangement associated w/ peak

No rearrangements, not ~1Mb long

No rearrangements

No known oncogenes within peak(s)

mult peaks, at least one contains an oncogene

mult peaks, at least one contains an oncogene

No actual peak

1 peak, ~1Mb long, contains an oncogene, at least 1 rearrangement associated w/ peak

1 peak, ~1Mb long, contains an oncogene, at least 1 rearrangement associated w/ peak

No actual peak

Not ~1Mb long

No rearrangements

No actual peak

No actual peak

mult peaks, at least one contains an oncogene

No actual peak

No actual peak

No actual peak

No actual peak

No rearrangements

No actual peak

Not ~1Mb long

No actual peak

No actual peak

No actual peak

No actual peak

No peaks

No peaks

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1 peak, no rearrangements

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[illegible]

No peaks
No peaks

Sample	Chrom	Start	Stop	Avg. Relative Coverage
TCGA-02-0003	7	54819954	55270301	24.100052
TCGA-02-0003	7	55270308	55411479	22.394973
TCGA-02-0003	12	57894109	58014097	12.839777
TCGA-02-0003	12	58014143	58152709	13.054508
TCGA-02-0003	12	58200461	58347573	12.809328
TCGA-02-2483	10	107436938	108300173	8.739274
TCGA-02-2485	1	240289853	241277659	11.282892
TCGA-02-2485	1	241441895	241656575	10.745744
TCGA-02-2485	1	241729792	241867642	9.935713
TCGA-02-2485	1	241925423	242605432	11.645481
TCGA-02-2485	1	242681511	242883352	11.368746
TCGA-02-2485	1	242883414	243073052	10.814512
TCGA-02-2485	1	243094065	243597193	9.904392
TCGA-02-2485	1	243597272	243839307	11.039584
TCGA-02-2485	4	54137308	54833541	14.587897
TCGA-02-2485	4	54833597	55537036	14.887947
TCGA-02-2485	7	54691889	55295442	14.244512
TCGA-02-2485	7	56113742	56395731	14.168498
TCGA-02-2485	7	56674556	56841005	10.248517
TCGA-02-2485	12	55960314	56115225	7.671656
TCGA-02-2485	12	57594468	57700534	6.405941
TCGA-02-2486	7	54604244	55191191	17.523393
TCGA-02-2486	7	55200324	55379036	19.68811
TCGA-06-0122	7	54691855	55177672	13.809304
TCGA-06-0122	7	55189468	55627087	13.836881
TCGA-06-0124	12	20494257	20595707	5.87
TCGA-06-0125	7	54691818	54792788	24.033228
TCGA-06-0125	7	54792793	55295523	24.256738

TCGA-06-0126	7	54454587	55240959	32.908447
TCGA-06-0129	6	36898942	37034905	20.1481
TCGA-06-0129	6	37121064	37248953	7.699932
TCGA-06-0129	6	37772539	38005778	7.094211
TCGA-06-0129	6	41882746	42008453	16.41186
TCGA-06-0129	6	42008514	42270469	15.504786
TCGA-06-0129	12	55946937	56114854	17.173587
TCGA-06-0132	7	55270330	55467884	10.782951
TCGA-06-0137	7	53898664	54794435	14.088277
TCGA-06-0137	7	54794511	55177296	16.079212
TCGA-06-0137	7	55279603	55682070	13.617481
TCGA-06-0139	5	71052199	71182565	5.28
TCGA-06-0139	11	84872704	84987261	5.17
TCGA-06-0139	12	20494288	20595826	7.74
TCGA-06-0139	16	44962842	45155365	9.9842
TCGA-06-0145	7	54589184	55463433	38.565112
TCGA-06-0145	12	55964136	56114898	5.49
TCGA-06-0152	7	53931074	55411499	37.176511
TCGA-06-0152	12	64505812	64731806	41.120733
TCGA-06-0152	12	68430569	68537553	21.403275
TCGA-06-0152	12	69753884	70004638	30.225319
TCGA-06-0152	12	70507982	70672154	26.497704
TCGA-06-0154	7	54487081	54823620	12.137069
TCGA-06-0154	7	54827007	55221906	13.820845
TCGA-06-0154	7	55654683	55759223	12.286117
TCGA-06-0155	7	54794441	54969006	6.792502
TCGA-06-0157	1	204009412	204125306	24.496069
TCGA-06-0157	1	204125310	204438226	26.878325
TCGA-06-0157	1	204438241	204589116	29.751003

TCGA-06-0157	7	54724062	55239011	17.578565
TCGA-06-0157	7	55269617	55411648	13.402601
TCGA-06-0158	7	54636737	55327965	19.747521
TCGA-06-0158	7	56432550	56570763	17.853713
TCGA-06-0169	7	54691891	55177712	16.94081
TCGA-06-0173	1	243362296	243471590	21.911009
TCGA-06-0173	1	243471663	244735847	23.841308
TCGA-06-0173	7	54488084	54825291	14.842037
TCGA-06-0173	7	54825364	55220437	17.437907
TCGA-06-0173	7	55269221	55433831	13.64603
TCGA-06-0173	12	45771990	46123631	34.780834
TCGA-06-0173	12	46602936	46754804	33.188215
TCGA-06-0173	12	47761096	47879489	9.400857
TCGA-06-0173	12	58638527	58813219	5.627451
TCGA-06-0173	12	65857069	66151921	38.243745
TCGA-06-0173	12	69135845	69279404	35.469361
TCGA-06-0185	7	54610247	55220417	23.45345
TCGA-06-0185	7	55269262	55759224	15.367262
TCGA-06-0192	8	7347239	7627122	5.14
TCGA-06-0209	3	189885436	190594451	19.753304
TCGA-06-0209	4	9241834	9370524	10.07
TCGA-06-0209	7	53931156	56020706	24.66923
TCGA-06-0209	12	19566472	20094283	28.342712
TCGA-06-0209	12	69080642	69963968	24.122504
TCGA-06-0210	1	203311714	203453352	9.865867
TCGA-06-0210	1	203472562	203626022	9.184684
TCGA-06-0211	7	54488064	55087069	33.392394
TCGA-06-0211	7	55221933	55479906	23.43446
TCGA-06-0211	7	56570782	56717583	21.089478

TCGA-06-0214	7	55087046	55210173	6.701298
TCGA-06-0216	1	241161686	241661393	9.446665
TCGA-06-0216	1	242053026	242264109	11.293781
TCGA-06-0216	1	242277460	242428780	8.982298
TCGA-06-0216	1	242540756	242936183	8.456157
TCGA-06-0216	1	242936250	243211083	6.500561
TCGA-06-0216	1	244006262	244218629	11.958719
TCGA-06-0219	7	54488096	54617752	9.344287
TCGA-06-0219	7	54617809	54724081	6.7
TCGA-06-0219	7	54825080	55086973	11.372851
TCGA-06-0219	7	55328000	55499030	11.530837
TCGA-06-0237	8	7343999	7575243	5.17
TCGA-06-0241	4	54442592	55593374	41.971078
TCGA-06-0241	4	55593385	56179175	33.875427
TCGA-06-0645	7	54488097	54825292	17.165499
TCGA-06-0645	7	54825294	55499116	19.627653
TCGA-06-0648	12	67072742	68042881	24.083397
TCGA-06-0648	12	68395241	68537236	17.918924
TCGA-06-0648	12	69158731	69351118	21.870962
TCGA-06-0650	7	54973406	55177657	6.56268
TCGA-06-0686	6	43752390	44217017	20.258925
TCGA-06-0686	6	47847611	48036288	20.478512
TCGA-06-0686	12	68947683	69096606	20.500358
TCGA-06-0686	12	69164687	69593815	21.421392
TCGA-06-0744	7	54724281	55312036	49.492565
TCGA-06-0744	7	143295766	143400136	5.28
TCGA-06-0745	7	53931163	55411478	26.517452
TCGA-06-0747	7	54621698	55459318	33.400449
TCGA-06-0750	7	54819971	55228071	14.716472

TCGA-06-0750	7	55228140	55781060	16.380511
TCGA-06-0750	7	55805527	56066846	15.743713
TCGA-06-0875	1	144220810	144520763	5.07
TCGA-06-0876	7	54820184	55499102	17.269244
TCGA-06-0876	9	69643631	69777300	5.02
TCGA-06-0877	7	54819964	55210227	14.833047
TCGA-06-0878	4	9250183	9370397	6.38
TCGA-06-0878	7	54826937	55221927	17.058146
TCGA-06-0878	7	55233232	55411641	16.112699
TCGA-06-0878	7	55493272	55743133	15.368112
TCGA-06-0882	1	69817	569411	6.19
TCGA-06-2557	7	53898670	54582235	12.054065
TCGA-06-2557	7	54585161	55236606	14.286678
TCGA-06-2559	4	54661245	55260790	17.099848
TCGA-06-2559	4	55299114	55643074	11.486642
TCGA-06-2559	4	55674513	55874621	13.514225
TCGA-06-2559	4	56191504	56419464	10.896444
TCGA-06-2559	4	57062517	57216874	13.776241
TCGA-06-2559	12	56507497	56621698	9.846829
TCGA-06-2563	7	54454601	55187666	18.581885
TCGA-06-2563	7	55235684	55748301	16.285974
TCGA-06-2563	7	55773777	56034376	17.71433
TCGA-06-2564	1	142765031	142904771	7.72
TCGA-06-2564	7	54794470	54973419	9.841263
TCGA-06-2565	7	53822225	55532971	24.444191
TCGA-06-2569	1	146716141	146857732	6.65
TCGA-06-2570	12	55964095	56115220	8.60369
TCGA-06-2570	12	57570612	57700923	7.039924
TCGA-06-5408	7	53898634	54455531	10.089387

TCGA-06-5408	7	54455594	54578039	10.369979
TCGA-06-5408	7	54585313	54794412	9.550936
TCGA-06-5408	7	54794471	54973368	9.989686
TCGA-06-5408	7	55532691	55710549	9.183595
TCGA-06-5411	1	155371781	155756190	12.40239
TCGA-06-5411	1	156161786	156314616	12.812859
TCGA-06-5411	1	201584130	201732855	13.789169
TCGA-06-5411	1	201732931	201893465	12.250507
TCGA-06-5411	1	202108634	202348762	10.695703
TCGA-06-5411	1	202486442	202630333	11.250322
TCGA-06-5411	1	202785448	203193614	13.341907
TCGA-06-5413	7	53822268	55401357	15.837588
TCGA-06-5413	7	55401403	55772214	14.841319
TCGA-06-5413	7	55773035	56034333	16.497745
TCGA-06-5414	7	54691721	55240987	37.252668
TCGA-06-5415	7	54604253	55379186	22.048726
TCGA-06-5856	7	54585226	55379136	16.720231
TCGA-06-5856	12	56526470	56647806	31.942925
TCGA-06-5856	12	67431965	67637512	31.019173
TCGA-06-5856	12	115645339	115755885	31.050614
TCGA-06-5856	12	118024352	118257256	22.159663
TCGA-12-0615	7	53857179	55273417	15.317235
TCGA-12-0615	7	55273490	55411628	9.782736
TCGA-12-0615	7	55411689	55775123	13.859364
TCGA-12-0616	4	84525913	85166762	37.061142
TCGA-12-0616	7	40314281	40488845	16.513102
TCGA-12-0616	7	57316708	57484814	8.698302
TCGA-12-0616	12	88436584	88582511	27.215042
TCGA-12-0618	12	57898192	58014103	21.365636

TCGA-12-0618	12	58025265	58638296	21.335253
TCGA-12-0619	1	148594749	148756374	5.61
TCGA-12-0619	2	14139321	14774429	6.796316
TCGA-12-0619	2	14774985	15319280	8.695623
TCGA-12-0619	2	15330567	15449339	9.505299
TCGA-12-0619	2	16082738	16793575	9.714209
TCGA-12-0619	2	16793619	17036366	6.050743
TCGA-12-0619	7	54488080	55411455	24.368444
TCGA-12-0619	17	44632826	44770177	5.31
TCGA-12-0688	7	54819950	55087065	24.59531
TCGA-12-0692	1	203743851	204913467	15.549431
TCGA-12-0692	17	34500522	34640798	6.9
TCGA-12-1597	7	54794489	54973446	12.12364
TCGA-12-3649	7	54455593	55205831	12.232917
TCGA-12-3649	16	59646759	60492415	12.125794
TCGA-12-3650	5	69769061	70248641	5.48
TCGA-12-3650	7	54585284	55426900	43.878558
TCGA-12-3652	7	55190843	55379017	16.006259
TCGA-12-3653	7	54794417	55191659	55.905091
TCGA-12-5295	7	54794493	55054551	21.996341
TCGA-12-5299	7	53898648	54787472	32.856015
TCGA-12-5299	7	54794313	55235720	38.570307
TCGA-12-5299	7	55237050	55379180	43.774479
TCGA-14-0786	7	54691786	55446981	36.230751
TCGA-14-0787	7	53931146	55210188	21.475827
TCGA-14-0787	7	55221540	55499120	25.123766
TCGA-14-0789	7	54826948	55001769	6.572428
TCGA-14-0790	1	142074658	142203438	5.6
TCGA-14-0790	7	53156868	53822241	26.950261

TCGA-14-0790	7	54455581	55186621	27.069525
TCGA-14-0790	7	55186700	55463704	25.229704
TCGA-14-0817	1	13219740	13354084	5.386139
TCGA-14-0817	7	53929886	54610661	13.488323
TCGA-14-0817	7	54617820	55273411	21.699433
TCGA-14-0817	7	55273506	55479506	17.58306
TCGA-14-0817	7	56170439	56297540	11.30628
TCGA-14-0871	2	138434183	138722034	6.485826
TCGA-14-1823	7	54724057	55233208	18.081491
TCGA-14-1823	7	55272287	55540858	16.881181
TCGA-14-1823	7	81240276	81589155	17.185313
TCGA-14-1823	7	81598339	81765939	14.302441
TCGA-14-1823	7	91502824	92462572	17.840439
TCGA-14-1829	7	54724392	55724597	27.637138
TCGA-14-2554	7	54792846	55187655	22.7596
TCGA-15-0742	7	54487057	54610615	23.040543
TCGA-15-0742	7	54610669	55221973	19.578556
TCGA-15-0742	7	55269646	55755716	19.916405
TCGA-15-0742	7	55832766	56051611	19.89539
TCGA-15-0742	7	56149030	56431230	21.517452
TCGA-15-0742	7	56491487	56666112	19.484587
TCGA-15-1444	10	47226713	47423156	5.22
TCGA-16-0846	4	54794168	54915529	9.769211
TCGA-16-0846	4	54967640	55087373	8.400737
TCGA-16-0846	4	55161105	55524291	8.974866
TCGA-16-0846	12	58135485	58638284	15.779259
TCGA-16-0848	4	55604915	55842313	5.58
TCGA-16-0848	4	55991414	56179152	5.663551
TCGA-16-0861	7	53931098	55220192	33.616988

TCGA-16-0861	7	55220198	55705885	31.570006
TCGA-16-1045	7	54794471	55192106	16.678268
TCGA-16-1045	7	55237114	55726742	15.996456
TCGA-16-1045	7	55840609	56112218	17.030613
TCGA-16-1048	7	54454571	54585317	9.24004
TCGA-16-1048	7	54787656	55177720	9.469537
TCGA-16-1048	7	55295511	55401233	7.009564
TCGA-16-1048	7	55556330	55718049	9.23726
TCGA-16-1048	7	56139667	56264997	10.899691
TCGA-19-1790	12	66338893	66658391	6.008861
TCGA-19-2620	7	54792845	55177693	11.549534
TCGA-19-2620	7	55233744	55427202	11.749176
TCGA-19-2624	7	54968765	55532973	23.117389
TCGA-19-2624	7	55556285	55748590	19.733694
TCGA-19-2624	12	56486533	56621694	20.900027
TCGA-19-2624	12	56647920	57552504	18.258949
TCGA-19-2624	12	61435202	61829800	24.530678
TCGA-19-2624	12	63396699	63731306	21.780409
TCGA-19-2624	12	67328701	67546778	35.358181
TCGA-19-2631	7	54794463	55177655	26.433251
TCGA-19-2631	7	55189425	55378984	21.706035
TCGA-19-2631	7	55508036	55627130	14.409175
TCGA-19-5950	7	54454609	55295446	20.412437
TCGA-19-5952	7	53897392	54454573	31.231055
TCGA-19-5952	7	54794436	55240905	27.938573
TCGA-19-5954	1	202855754	203180103	6.96
TCGA-19-5954	5	1285264	1447716	26.336289
TCGA-19-5954	7	54454580	54604277	14.535012
TCGA-19-5954	7	54794420	55178694	16.100705

TCGA-19-5954	7	55279549	55734379	13.434312
TCGA-19-5954	12	3676440	3791850	8.591331
TCGA-19-5954	21	15052541	15262474	19.112584
TCGA-19-5954	21	16172693	16389059	15.955246
TCGA-19-5954	21	16389127	16525369	15.081419
TCGA-19-5956	1	146063862	146421738	5.5
TCGA-19-5959	7	54794399	55279520	27.707958
TCGA-19-5959	7	55881828	56013193	29.273073
TCGA-19-5960	6	106870825	108063434	23.979443
TCGA-19-5960	12	43067984	43345699	12.62819
TCGA-19-5960	12	43555188	43854714	13.274324
TCGA-19-5960	17	41785893	41972775	5.91
TCGA-26-1439	7	54582263	55294931	29.293981
TCGA-26-5132	7	54794473	54973446	9.585345
TCGA-26-5132	7	55054547	55178716	9.169346
TCGA-26-5132	12	39874302	40243545	43.729909
TCGA-26-5132	12	67489253	67880077	44.083043
TCGA-26-5132	12	69837819	70120322	6.695346
TCGA-26-5134	9	14195039	14297057	5.688074
TCGA-26-5134	9	16573143	16717739	6.12
TCGA-26-5135	4	54610344	55218974	18.256012
TCGA-26-5135	4	55643672	55873982	16.06001
TCGA-26-5135	12	56406905	56664821	16.140085
TCGA-26-5135	12	59851490	60560761	13.931441
TCGA-26-5135	12	62502044	62697202	15.666512
TCGA-26-5135	12	67012309	67307387	17.451773
TCGA-26-5135	12	67426959	67637564	19.122429
TCGA-26-5135	12	68419962	68793890	17.441163
TCGA-26-5139	7	54691512	55178716	18.595287

TCGA-27-1831	7	54691884	55379031	26.933529
TCGA-27-1833	1	69807	610351	5.35
TCGA-27-1833	7	53931161	54610601	17.668941
TCGA-27-1833	7	54820170	55236291	16.76801
TCGA-27-1833	7	55327728	55459679	7.663116
TCGA-27-1836	2	15927784	16657037	9.164819
TCGA-27-1836	7	54794453	55198772	22.389028
TCGA-27-1837	1	143391330	143536018	5.65
TCGA-27-1837	7	53038066	53156929	9.008988
TCGA-27-1837	7	53222496	54585106	11.215497
TCGA-27-1837	7	54585161	55279522	12.915357
TCGA-27-1837	7	55295528	55460674	10.490342
TCGA-27-1837	7	55773738	55897135	12.605487
TCGA-27-1837	7	56155458	56395743	11.702055
TCGA-27-1838	7	54794511	55177715	19.382386
TCGA-27-1838	12	4079057	4258388	11.563556
TCGA-27-2518	7	54787438	54973420	20.202178
TCGA-27-2518	7	54973500	55187915	16.831606
TCGA-27-2521	15	80605524	80878416	5.43
TCGA-27-2523	7	54968721	55532962	38.685118
TCGA-27-2528	1	146911335	147023105	6.69
TCGA-27-2528	7	54794474	54973401	7.854004
TCGA-27-2528	7	54973477	55177699	8.215771
TCGA-27-2528	7	128554306	128806827	14.372897
TCGA-27-2528	7	128913024	129084640	8.052631
TCGA-27-2528	7	129468113	129602716	13.021927
TCGA-28-1747	7	54794431	54973457	9.85626
TCGA-28-1747	7	55054479	55177706	8.609419
TCGA-28-1753	7	54691893	55177361	18.87489

TCGA-28-1753	7	55189391	55436600	16.31549
TCGA-28-2499	7	54577761	55295492	22.489921
TCGA-28-2499	14	35420592	36030207	21.254466
TCGA-28-2499	14	44046119	44405187	26.903094
TCGA-28-2514	7	54794489	55674058	22.506984
TCGA-28-2514	7	57320733	57488853	7.251236
TCGA-28-5204	7	54794452	55054534	19.808404
TCGA-28-5207	12	55964094	56114862	5.384615
TCGA-28-5208	7	53897904	54585209	8.58757
TCGA-28-5208	7	54794494	55192948	12.02856
TCGA-28-5208	7	55279589	55433822	9.099243
TCGA-28-5208	7	56211063	56324761	8.947766
TCGA-28-5208	7	57273329	57488987	7.10112
TCGA-28-5209	7	53898679	55187665	15.321308
TCGA-28-5209	7	55295478	55401371	10.307028
TCGA-28-5209	7	55556324	55682082	14.509335
TCGA-28-5209	7	55831339	55990053	15.283794
TCGA-28-5209	7	56087795	56721873	14.884601
TCGA-28-5214	7	54685435	55436601	21.562927
TCGA-28-5214	12	56428562	56664042	17.120276
TCGA-28-5214	12	56664065	57099448	10.433986
TCGA-28-5214	12	57733435	58459784	14.60768
TCGA-28-5214	12	61468325	61646012	10.518466
TCGA-28-5214	12	61735371	61998618	11.036587
TCGA-28-5214	12	67489216	67880098	19.382903
TCGA-28-5214	20	10601691	10817244	5.27
TCGA-28-5214	20	11549777	11675785	5.78
TCGA-28-5214	20	11675848	11847267	7.994452
TCGA-28-5214	20	11852453	12309972	6.78288

TCGA-28-5216	4	54661180	54782151	12.034026
TCGA-28-5218	1	143391344	143539711	5.4
TCGA-28-5220	1	146063963	146421864	5.73
TCGA-28-5220	1	146716301	146857662	9.08
TCGA-28-5220	1	201492065	201722616	14.955787
TCGA-28-5220	1	201722658	201934183	13.872569
TCGA-28-5220	1	201934209	202108625	14.659731
TCGA-28-5220	1	202108678	202353415	11.873183
TCGA-28-5220	1	202358021	202480591	13.565697
TCGA-28-5220	1	202481603	202630510	13.595934
TCGA-28-5220	1	202630572	203182571	14.591884
TCGA-28-5220	1	203197812	203309493	13.715188
TCGA-28-5220	1	203309554	203477775	14.311371
TCGA-32-1970	7	53898288	54578079	9.132927
TCGA-32-1970	7	54790822	55187654	16.171875
TCGA-32-1970	7	55187664	55682089	15.619135
TCGA-32-1970	7	55913426	56017467	12.523479
TCGA-32-1977	7	54794407	55447368	28.092375
TCGA-32-1979	7	54691566	55295096	21.207537
TCGA-32-1979	7	74335147	74605244	6.92
TCGA-32-1982	4	8672277	8970119	5.23
TCGA-32-1982	7	54577691	55295548	16.338222
TCGA-32-1991	1	201893518	202391928	21.45805
TCGA-32-1991	1	202393034	202646193	21.632712
TCGA-32-1991	1	202704863	202855772	22.586811
TCGA-32-1991	7	53898575	55717758	33.758854
TCGA-32-1991	12	3051600	3180720	7.077847
TCGA-32-1991	12	3287073	3448722	8.439198
TCGA-32-1991	12	3676404	3791798	7.225828

TCGA-32-1991	12	4089586	4258409	11.71269
TCGA-32-1991	20	31159106	31282565	11.492379
TCGA-32-2495	7	53898607	54791115	20.842948
TCGA-32-2495	7	54792560	55187651	25.954589
TCGA-32-2495	7	55187662	55463406	23.712843
TCGA-32-2615	7	40122155	40322981	34.484769
TCGA-32-2615	7	54968736	55240963	39.836936
TCGA-32-2615	7	88262234	88804132	42.327839
TCGA-32-2615	7	88804136	89586943	30.939916
TCGA-32-2615	7	91593460	91708413	15.162229
TCGA-32-2615	7	91708456	91866185	14.862971
TCGA-32-2615	7	91866235	92603273	16.473904
TCGA-32-2615	7	92951371	93245234	13.995748
TCGA-32-2615	7	93245304	93862523	14.649874
TCGA-32-2615	7	94005229	94665861	14.805403
TCGA-32-2632	1	201416465	202007356	18.277065
TCGA-32-2632	1	202108696	202272888	13.691099
TCGA-32-2632	1	202272953	202466326	16.798958
TCGA-32-2632	1	202466393	202855743	17.97045
TCGA-32-2632	7	54691871	55460678	19.37534
TCGA-32-2632	8	7353998	7612642	5.27
TCGA-32-2638	7	54691665	55235729	26.993014
TCGA-32-2638	7	55237770	55379139	22.132884
TCGA-32-4209	16	18318233	18439241	6.95
TCGA-32-4211	12	41359131	42049389	8.324967
TCGA-32-4213	1	201739610	201893500	9.657685
TCGA-32-4213	7	53898653	54455549	14.142501
TCGA-32-4213	7	54455613	54578085	13.268758
TCGA-32-4213	7	54584946	54691791	9.288561

TCGA-32-4213	7	54794490	54973392	14.091252
TCGA-32-4213	7	54973459	55187663	12.937501
TCGA-32-4213	7	55236752	55427173	12.266563
TCGA-32-4213	7	55527706	55726757	11.863623
TCGA-32-4719	7	54585223	55187688	35.980826
TCGA-32-4719	7	55187693	55556304	33.325853
TCGA-32-5222	7	53224124	53898601	17.262881
TCGA-32-5222	7	54791158	55237788	18.873098
TCGA-32-5222	7	55279613	55466579	10.497495
TCGA-32-5222	7	55846465	55958529	12.414834
TCGA-32-5222	7	56141718	56397727	17.190807
TCGA-32-5222	7	56400145	56841565	14.323813
TCGA-41-2571	12	45051426	45468801	18.25149
TCGA-41-2571	12	56307494	56428557	24.163328
TCGA-41-2571	12	67450915	67566006	24.147522
TCGA-41-2571	12	67566083	68032416	17.956732
TCGA-41-2571	12	68032483	68248947	20.117121
TCGA-41-2571	16	52877014	53524358	9.464034
TCGA-41-2571	16	53525386	53917887	8.667898
TCGA-41-2571	16	53921884	54073310	6.988796
TCGA-41-2572	7	54691526	55378996	28.853221
TCGA-41-2575	4	53273998	53938755	15.463426
TCGA-41-2575	4	53952499	54548002	14.943899
TCGA-41-2575	4	54548063	54822355	16.606088
TCGA-41-2575	4	54839004	55218859	17.851429
TCGA-41-3392	7	54968719	55532718	22.81664
TCGA-41-3393	7	54794413	55191663	50.653837
TCGA-41-5651	12	56664658	57554697	8.82525
TCGA-41-5651	12	57561074	57700735	12.764327

TCGA-76-4926	7	53224111	53898579	9.499137
TCGA-76-4926	7	53898642	55177329	24.931802
TCGA-76-4926	7	55196957	55625540	22.973621
TCGA-76-4927	7	54787434	55295520	29.717613
TCGA-76-4927	7	56265019	56395462	28.711195
TCGA-76-4928	4	69216541	69492255	5.35
TCGA-76-4931	7	54794462	55187666	14.76314
TCGA-76-4931	7	55187671	55379155	13.689351
TCGA-76-4932	7	54973417	55187654	19.636705
TCGA-76-4934	4	53989145	55537046	30.499219
TCGA-76-4934	5	70442513	70707464	5.93
TCGA-76-4934	7	114564102	115644942	18.796768
TCGA-76-4934	7	115986596	116222863	15.853713
TCGA-76-4935	1	145882875	146048069	5.230769
TCGA-76-6193	4	54137259	54488644	6.33
TCGA-76-6193	4	54488705	54661222	9.526251
TCGA-76-6193	4	54662436	54782032	7.730737
TCGA-76-6193	4	54841164	55218989	11.170303
TCGA-76-6282	7	54454585	55466555	17.308863
TCGA-81-5910	7	54973388	55235637	11.289239
TCGA-87-5896	7	53898611	55177606	16.127834
TCGA-87-5896	7	55189380	55435351	14.949234
TCGA-87-5896	7	55435413	55627088	14.006476

sample	left span	right span	left strand
TCGA-02-0003	12:57864675-57865081	7:54870164-54870456	+
TCGA-02-0003	14:32561350-32561476	7:55003203-55003529	+
TCGA-02-0003	7:36508979-36509082	7:55402500-55402617	+
TCGA-02-0033	14:106559509-106559540	14:107178774-107178804	+
TCGA-02-2483	10:64856689-64857031	10:73797870-73798172	+
TCGA-02-2485	12:57144391-57144449	12:57554326-57554496	-
TCGA-02-2485	12:56174103-56174252	12:56444066-56444210	-
TCGA-02-2485	12:56509378-56509574	12:56888415-56888663	-
TCGA-02-2485	12:56452086-56452192	12:57560857-57560978	+
TCGA-02-2485	12:56149973-56150184	12:56180281-56180567	+
TCGA-02-2485	12:56262476-56262612	12:56398302-56398454	-
TCGA-02-2485	12:56441257-56441500	4:54648212-54648463	+
TCGA-02-2485	12:56460638-56460757	12:57434236-57434330	-
TCGA-02-2485	12:55924845-55925170	12:57996972-57997261	-
TCGA-02-2485	1:243837951-243838099	12:56151565-56151693	+
TCGA-02-2485	1:121185581-121186287	19:32429380-32430395	-
TCGA-02-2486	7:55190872-55191214	7:55306658-55306857	+
TCGA-02-2486	1:29287528-29287619	1:34010753-34010944	+
TCGA-02-2486	1:32445823-32445986	1:34040597-34040755	-
TCGA-06-0124	12:126216838-126216861	9:78376476-78376502	-
TCGA-06-0124	10:41849512-41849542	10:41852531-41852542	+
TCGA-06-0124	4:48794438-48794455	Y:12378371-12378381	-
TCGA-06-0124	2:229753728-229753809	5:71182494-71182608	-
TCGA-06-0124	1:91625366-91625640	12:126216894-126216942	-
TCGA-06-0124	1:199519494-199519646	7:54656594-54656700	+
TCGA-06-0129	12:38954625-38954765	12:64847746-64848020	+
TCGA-06-0129	12:3230350-3230502	12:95200394-95200503	+
TCGA-06-0129	12:102573099-102573368	12:112119927-112120115	-
TCGA-06-0129	12:71333016-71333156	12:103728534-103728694	-
TCGA-06-0129	12:2373031-2373277	12:56483278-56483940	+
TCGA-06-0129	12:52145938-52146122	12:96031546-96031749	-
TCGA-06-0129	12:49363730-49363772	12:56247210-56247276	-
TCGA-06-0129	12:97450696-97451087	12:107029719-107029878	+
TCGA-06-0129	12:7422964-7423135	12:38536862-38536943	-
TCGA-06-0129	12:91782649-91782800	12:117326406-117326523	+
TCGA-06-0129	12:49217325-49217541	12:122880956-122881192	-
TCGA-06-0129	12:51949909-51950037	12:129697985-129698151	+
TCGA-06-0129	12:89877913-89878305	6:43116162-43116645	-
TCGA-06-0129	12:67366122-67366381	12:68045638-68045916	+
TCGA-06-0129	12:122336740-122336774	12:122709988-122710079	-

TCGA-06-0129	12:100239410-100239577	12:112153795-112154017	-
TCGA-06-0129	12:56763528-56763807	12:122746929-122747229	+
TCGA-06-0129	12:49401428-49401837	6:41790927-41791240	-
TCGA-06-0129	12:51950649-51950886	12:60602378-60602572	-
TCGA-06-0129	12:51127185-51127510	12:112261061-112261227	-
TCGA-06-0129	6:36924483-36924886	6:41817647-41818244	-
TCGA-06-0129	6:41384009-41384222	6:42583686-42583805	-
TCGA-06-0129	6:34804561-34804747	6:43116149-43116884	+
TCGA-06-0129	6:43125708-43126033	6:50565355-50565485	+
TCGA-06-0129	6:36377984-36378045	6:40120368-40120460	-
TCGA-06-0129	6:39433092-39433125	6:40534917-40534953	+
TCGA-06-0129	4:139819698-139819982	9:113734790-113735065	-
TCGA-06-0129	4:134294871-134294997	9:124082952-124083112	+
TCGA-06-0129	4:143092772-143092949	9:110785349-110785504	+
TCGA-06-0129	4:139649295-139649476	9:115092621-115092779	-
TCGA-06-0129	4:132426368-132426444	9:110785259-110785333	+
TCGA-06-0129	4:134761452-134761487	9:112316091-112316160	-
TCGA-06-0129	4:136552951-136553158	4:140687469-140687604	-
TCGA-06-0129	4:129962785-129962940	9:114029466-114029587	-
TCGA-06-0129	4:139745258-139745356	9:115099940-115100050	-
TCGA-06-0129	9:115125023-115125153	9:115774236-115774430	-
TCGA-06-0129	9:87486724-87486836	9:94044275-94044421	-
TCGA-06-0129	9:113495823-113495922	9:123228755-123228908	+
TCGA-06-0129	9:110786377-110786510	9:123992868-123993062	+
TCGA-06-0129	9:112722007-112722117	9:115099698-115099921	-
TCGA-06-0130	17:55888450-55888508	17:55981741-55981774	+
TCGA-06-0132	14:35487905-35487970	21:10756476-10756544	+
TCGA-06-0137	7:55067954-55068422	7:55189216-55189526	+
TCGA-06-0137	9:5290348-5290526	9:32013396-32013599	-
TCGA-06-0137	9:5289959-5290291	9:32021622-32021824	+
TCGA-06-0139	12:126216838-126216861	9:78376479-78376502	-
TCGA-06-0139	10:41719421-41719450	10:41852531-41852566	-
TCGA-06-0139	16:33870603-33871262	Y:10645402-10646070	+
TCGA-06-0139	16:44943302-44943322	16:44983742-44983798	-
TCGA-06-0139	16:33882525-33882849	21:9724385-9724693	-
TCGA-06-0139	19:32424582-32425782	19:32429729-32430282	+
TCGA-06-0139	21:14379162-14379228	9:78376479-78376504	-
TCGA-06-0139	5:110314328-110314374	6:136642667-136642708	-
TCGA-06-0139	1:121185573-121186825	19:32423827-32425312	-
TCGA-06-0139	1:121185575-121186850	19:32424495-32426040	-
TCGA-06-0139	1:91625362-91625609	12:126216895-126216983	-

TCGA-06-0145	20:3635042-3635329	20:4459603-4459689	-
TCGA-06-0145	7:55254132-55254246	7:55256550-55256710	+
TCGA-06-0145	7:55159132-55159406	7:55190920-55191292	+
TCGA-06-0145	7:54673814-54673900	7:55463008-55463159	-
TCGA-06-0145	6:136634900-136634909	6:136638362-136638407	+
TCGA-06-0145	1:202681741-202681873	1:203522512-203522686	-
TCGA-06-0145	1:41067702-41067890	19:39865880-39866036	-
TCGA-06-0152	12:68546253-68546416	12:70673990-70674138	+
TCGA-06-0152	12:58016680-58016918	12:85120602-85120769	+
TCGA-06-0152	12:68510060-68510121	12:69632574-69632781	-
TCGA-06-0152	12:64575644-64575718	12:69136864-69136987	-
TCGA-06-0152	12:58168182-58168317	12:64548621-64548735	-
TCGA-06-0152	12:64576236-64576477	12:69260750-69261077	+
TCGA-06-0152	12:70065216-70065376	12:70248138-70248220	+
TCGA-06-0152	12:65609761-65609832	7:54624515-54624686	+
TCGA-06-0152	11:118873908-118873929	17:59147438-59147448	-
TCGA-06-0152	17:41109167-41109378	17:41115750-41115908	-
TCGA-06-0152	19:45555304-45555400	22:26283152-26283261	-
TCGA-06-0152	22:20137286-20137454	22:23500975-23501174	-
TCGA-06-0152	6:148489233-148489332	6:148711156-148711336	-
TCGA-06-0154	11:64518878-64519038	11:64531387-64531507	-
TCGA-06-0155	2:227925546-227925578	2:227929953-227930075	+
TCGA-06-0157	12:57910135-57910329	12:58712864-58713013	-
TCGA-06-0158	7:55167009-55167182	7:55221811-55221938	+
TCGA-06-0166	11:307892-308035	11:320655-320834	+
TCGA-06-0166	15:43571421-43571535	15:59267550-59267581	-
TCGA-06-0167	5:110286422-110286464	6:136600977-136601015	-
TCGA-06-0168	13:25480903-25480988	13:35379073-35379100	-
TCGA-06-0169	17:7847974-7848034	17:7910741-7910905	+
TCGA-06-0169	17:53736586-53736794	17:53790904-53791038	+
TCGA-06-0169	7:54932215-54932373	7:54969936-54970088	+
TCGA-06-0171	4:55141099-55141181	4:55215417-55215491	-
TCGA-06-0171	1:27658427-27658593	9:130127219-130127416	+
TCGA-06-0171	1:28863378-28863473	9:124865949-124866105	+
TCGA-06-0173	12:58156788-58157053	12:58754971-58755181	+
TCGA-06-0173	12:47757155-47757352	12:58217605-58217852	+
TCGA-06-0173	12:47766493-47766752	12:58135611-58135894	-
TCGA-06-0173	12:57570923-57571062	12:57617581-57617647	+
TCGA-06-0173	12:58217832-58218210	12:58992700-58992885	-
TCGA-06-0173	12:57872389-57872663	12:58197022-58197419	-
TCGA-06-0173	12:57867391-57867600	12:64536395-64536537	+

TCGA-06-0173	12:65988022-65988159	12:66638259-66638376	+
TCGA-06-0173	12:47754228-47754305	12:58131512-58131620	-
TCGA-06-0173	12:61419132-61419242	12:69136096-69136225	+
TCGA-06-0173	12:58117836-58118161	12:58173931-58174251	-
TCGA-06-0173	12:57588654-57588893	12:57985186-57985252	-
TCGA-06-0173	12:47674335-47674600	12:57872167-57872428	-
TCGA-06-0173	12:58347425-58347520	12:58834396-58834463	+
TCGA-06-0173	12:47843440-47843726	12:58016327-58016709	+
TCGA-06-0173	12:45774477-45774674	12:69269977-69270050	-
TCGA-06-0173	12:61320598-61320698	12:69250220-69250408	-
TCGA-06-0173	12:47844038-47844091	12:58010002-58010197	+
TCGA-06-0173	1:242979860-242980169	1:244735564-244735880	-
TCGA-06-0173	1:243119460-243119648	1:243578919-243578993	-
TCGA-06-0184	18:745647-745767	18:10395124-10395264	+
TCGA-06-0184	3:133718193-133718273	3:134079212-134079303	+
TCGA-06-0185	7:54586105-54586212	7:55866286-55866478	-
TCGA-06-0185	7:54594639-54594831	7:55268800-55269046	+
TCGA-06-0188	1:22648348-22648521	1:26608797-26608972	+
TCGA-06-0188	1:23936178-23936279	1:24409034-24409167	+
TCGA-06-0188	1:21334713-21334878	1:22176475-22176624	-
TCGA-06-0188	1:23409737-23409860	1:24573471-24573544	+
TCGA-06-0188	1:20327721-20327786	1:26359639-26359784	+
TCGA-06-0188	1:23380675-23380747	1:23409753-23409877	+
TCGA-06-0188	1:20968399-20968536	1:21050713-21050795	-
TCGA-06-0188	1:22326956-22327023	1:26156041-26156159	+
TCGA-06-0188	1:23409665-23409771	1:24578679-24578791	+
TCGA-06-0188	1:26156033-26156239	1:26358034-26358212	+
TCGA-06-0188	1:22222620-22222832	1:234913694-234913854	+
TCGA-06-0188	1:19482729-19482991	1:90547251-90547383	-
TCGA-06-0188	1:24809744-24809827	1:25889556-25889632	-
TCGA-06-0192	17:34964585-34964872	17:62149418-62149523	+
TCGA-06-0195	12:50156650-50156781	20:62013436-62013626	-
TCGA-06-0209	12:19687576-19687733	12:58111688-58112035	+
TCGA-06-0209	14:24911921-24912009	14:49778156-49778248	+
TCGA-06-0209	2:234669071-234669199	2:235131628-235131744	+
TCGA-06-0210	1:204125289-204125515	4:54364201-54364322	-
TCGA-06-0214	14:69792012-69792142	14:85813959-85814000	+
TCGA-06-0214	7:55268676-55268970	7:55274287-55274477	+
TCGA-06-0214	7:55122401-55122669	7:55223420-55223647	+
TCGA-06-0214	4:54373628-54373719	4:55293826-55293962	-
TCGA-06-0214	3:136555260-136555324	3:138036970-138037035	-

TCGA-06-0216	1:240883395-240883515	1:244449352-244449460	-
TCGA-06-0221	12:3951528-3951777	12:68939079-68939253	-
TCGA-06-0221	12:51669159-51669202	12:54964130-54964185	-
TCGA-06-0221	7:11048029-11048098	7:73663410-73663482	+
TCGA-06-0238	12:2977674-2977834	12:7970944-7971040	-
TCGA-06-0238	12:57962760-57962881	12:58034926-58035114	-
TCGA-06-0238	12:57904657-57904826	12:57910264-57910367	+
TCGA-06-0238	12:57899638-57899767	12:58197404-58197581	+
TCGA-06-0238	12:58161143-58161276	12:58193544-58193615	+
TCGA-06-0240	12:20704864-20704894	19:4945888-4945932	-
TCGA-06-0241	6:3106002-3106220	6:4499931-4500007	-
TCGA-06-0241	4:140328360-140328706	9:35661936-35662297	-
TCGA-06-0644	9:20865855-20865995	9:31470121-31470212	+
TCGA-06-0645	10:104128269-104128500	7:55525768-55525882	-
TCGA-06-0645	10:104128365-104128604	7:54512035-54512322	+
TCGA-06-0645	7:54512045-54512081	7:55525722-55525878	-
TCGA-06-0645	7:55229263-55229486	7:55233085-55233276	+
TCGA-06-0646	7:55121368-55121578	7:55223420-55223656	+
TCGA-06-0648	12:67691285-67691440	12:68780942-68781066	-
TCGA-06-0648	12:67691150-67691239	12:68774331-68774453	+
TCGA-06-0686	12:57484942-57485460	12:67193488-67193850	-
TCGA-06-0686	12:69222534-69222787	12:69253889-69254144	-
TCGA-06-0686	12:63006156-63006361	6:47455313-47455510	+
TCGA-06-0686	12:63633437-63633563	12:67373471-67373514	+
TCGA-06-0686	12:57570584-57570989	12:66541410-66541777	-
TCGA-06-0686	12:58010040-58010686	6:44345100-44345696	+
TCGA-06-0686	12:67203972-67204064	6:44130108-44130158	-
TCGA-06-0686	12:67301848-67302004	12:69097293-69097344	-
TCGA-06-0686	12:57627318-57627370	12:67373473-67373591	-
TCGA-06-0686	12:58157350-58158109	12:62997342-62997710	+
TCGA-06-0686	12:58130823-58131294	6:44667595-44668001	-
TCGA-06-0686	12:63396205-63396581	6:45418851-45419071	+
TCGA-06-0686	12:69239978-69240086	6:48206302-48206492	+
TCGA-06-0686	12:57650222-57650323	12:63633879-63633945	-
TCGA-06-0686	12:57872284-57872640	6:45527348-45527622	-
TCGA-06-0686	12:66412302-66412576	6:43536168-43536564	-
TCGA-06-0686	12:58109657-58109821	6:48194684-48194748	-
TCGA-06-0686	12:57881594-57882091	12:63297185-63297528	+
TCGA-06-0686	12:57709857-57709935	12:63401260-63401365	-
TCGA-06-0686	12:63985565-63985678	6:43475051-43475355	-
TCGA-06-0686	12:57627395-57627407	12:63633356-63633533	+

TCGA-06-0686	10:89409209-89409323	10:90767459-90767758	-
TCGA-06-0686	6:44216135-44216966	6:47879240-47879660	+
TCGA-06-0744	14:32561347-32561481	7:55003234-55003676	+
TCGA-06-0744	7:54830022-54830190	7:55004308-55004535	+
TCGA-06-0744	7:54817994-54818156	7:55307693-55307913	-
TCGA-06-0744	4:184850679-184850828	9:19786631-19786844	-
TCGA-06-0744	2:187664818-187665019	9:19786303-19786542	+
TCGA-06-0744	9:19988581-19988688	9:20988239-20988433	-
TCGA-06-0744	9:19016562-19016792	9:19786151-19786414	-
TCGA-06-0745	7:54142971-54143102	7:54284118-54284259	+
TCGA-06-0745	7:55105325-55105758	7:55221812-55222229	+
TCGA-06-0745	3:102728747-102728860	3:113667700-113667896	-
TCGA-06-0745	3:128978970-128979205	3:141238950-141239136	+
TCGA-06-0745	3:128979084-128979227	3:140250007-140250146	+
TCGA-06-0747	7:54978904-54979057	7:55017030-55017129	+
TCGA-06-0747	1:151402927-151403242	15:60839266-60839440	+
TCGA-06-0750	7:55267891-55268151	7:55871258-55871487	+
TCGA-06-0875	17:7606659-7606901	7:136266142-136266206	-
TCGA-06-0876	19:10270508-10270707	19:10357481-10357611	+
TCGA-06-0876	19:11435350-11435420	19:12273937-12274075	+
TCGA-06-0876	19:8303538-8303794	19:12957987-12958178	+
TCGA-06-0876	19:8432922-8433025	19:13005507-13005707	+
TCGA-06-0876	1:121485126-121485200	19:8660662-8660907	-
TCGA-06-0877	11:16340014-16340134	20:53441386-53441515	+
TCGA-06-0877	7:155094405-155094535	7:155411165-155411251	-
TCGA-06-0877	7:55209594-55209866	7:55223456-55223742	+
TCGA-06-0878	14:32561393-32561457	7:55003199-55003513	+
TCGA-06-0878	7:55240942-55241149	7:55268952-55269006	-
TCGA-06-0878	1:155165753-155166031	1:155733756-155733935	-
TCGA-06-0878	9:125486842-125486919	9:125512175-125512485	-
TCGA-06-0881	14:106552794-106552802	14:106866800-106866882	-
TCGA-06-0882	12:56436934-56437212	12:56995349-56995674	+
TCGA-06-0882	2:230129088-230129277	X:129629727-129629910	+
TCGA-06-0882	2:944826-944979	2:1651917-1652297	-
TCGA-06-1804	X:38304593-38304719	X:100920783-100920900	+
TCGA-06-1804	13:47839600-47839698	13:59724900-59724952	+
TCGA-06-2557	7:49840528-49840698	7:93985435-93985621	-
TCGA-06-2557	7:4269472-4269633	7:55235528-55235830	+
TCGA-06-2557	7:73065436-73065654	7:73158432-73158672	+
TCGA-06-2558	12:56448005-56448056	12:57351422-57351515	+
TCGA-06-2558	12:56301264-56301421	12:56951271-56951330	-

TCGA-06-2558	12:56410485-56410585	12:57279225-57279297	+
TCGA-06-2558	17:7190702-7190901	2:8044222-8044339	+
TCGA-06-2558	17:7191786-7191860	17:7533051-7533168	-
TCGA-06-2558	17:6312012-6312246	17:6440167-6440330	+
TCGA-06-2558	17:6466822-6467009	17:8199564-8199703	+
TCGA-06-2558	2:6708316-6708367	2:8847478-8847622	+
TCGA-06-2559	12:56774194-56774334	4:57002585-57002708	+
TCGA-06-2559	4:52556378-52556676	4:54761347-54761410	-
TCGA-06-2561	1:27153727-27153851	1:52476433-52476683	+
TCGA-06-2563	12:102902772-102902831	12:102904888-102904993	+
TCGA-06-2563	11:124472739-124472950	19:49767257-49767350	-
TCGA-06-2563	15:32138547-32138689	15:32142816-32142959	+
TCGA-06-2564	7:55155688-55155833	7:55190948-55191149	+
TCGA-06-2564	7:54947252-54947389	7:55190983-55191226	-
TCGA-06-2565	1:10307359-10307454	1:29139222-29139444	+
TCGA-06-2565	1:75982612-75982779	1:76317949-76318080	-
TCGA-06-2567	5:172968937-172969028	5:172972737-172972748	+
TCGA-06-2569	X:7628200-7628398	X:11045861-11046060	-
TCGA-06-2570	X:99964883-99964947	X:130888514-130888596	-
TCGA-06-2570	12:56180248-56180536	12:56411635-56411781	+
TCGA-06-2570	12:56199021-56199149	12:57379799-57379869	+
TCGA-06-2570	12:56243656-56243760	12:56889573-56889640	+
TCGA-06-2570	12:56407012-56407091	12:56442079-56442179	+
TCGA-06-2570	12:56455885-56456047	12:57560788-57560983	-
TCGA-06-2570	12:56283404-56283486	12:57568934-57569120	+
TCGA-06-2570	12:57341301-57341389	12:57733850-57734058	+
TCGA-06-2570	15:99652442-99652497	8:49989013-49989221	+
TCGA-06-5408	11:12255423-12255513	19:52504959-52505020	+
TCGA-06-5408	11:6217906-6218014	7:53480888-53480968	-
TCGA-06-5408	7:54757128-54757244	7:55236382-55236551	-
TCGA-06-5408	5:115374644-115374755	5:115378836-115378869	-
TCGA-06-5411	1:155110782-155111039	1:203218195-203218487	-
TCGA-06-5413	15:93225363-93225490	15:95128359-95128518	-
TCGA-06-5413	15:95127901-95127970	18:71031628-71031728	+
TCGA-06-5413	1:109613698-109613778	1:109656572-109656657	-
TCGA-06-5414	16:88479646-88479841	3:120824000-120824132	+
TCGA-06-5414	7:54968903-54969472	7:55094012-55094464	-
TCGA-06-5414	1:2744161-2744414	16:48814599-48814796	-
TCGA-06-5415	7:54873704-54874112	7:54971327-54971950	-
TCGA-06-5415	7:54968963-54969092	7:55175747-55175954	+
TCGA-06-5415	7:44120168-44120286	7:140678808-140678888	+

TCGA-06-5415	7:54926219-54926384	7:55175754-55176011	-
TCGA-06-5415	7:54926208-54926414	7:54968883-54969017	-
TCGA-06-5415	7:55172684-55172997	7:55190951-55191188	+
TCGA-06-5415	7:55174365-55174446	7:55189342-55189422	+
TCGA-06-5415	5:96250668-96250761	5:96324063-96324194	-
TCGA-06-5415	1:15386011-15386218	19:45178326-45178617	-
TCGA-06-5415	1:15203948-15204032	19:6164337-6164479	-
TCGA-06-5416	8:101215243-101215523	8:126867092-126867275	+
TCGA-06-5417	11:102080428-102080647	11:102239370-102239647	-
TCGA-06-5418	6:117749010-117749225	6:118908294-118908484	+
TCGA-06-5856	12:56436761-56437062	12:117314811-117315093	+
TCGA-06-5856	12:120400748-120400855	7:54792717-54792788	-
TCGA-06-5856	12:56410768-56411002	12:56581688-56581741	-
TCGA-06-5856	12:115659949-115660023	X:116981468-116981468	-
TCGA-06-5858	2:132736297-132736980	Y:10638198-10638867	+
TCGA-06-5858	1:89371649-89371680	1:89424703-89424750	+
TCGA-06-6390	12:61486788-61486985	12:62348298-62348465	+
TCGA-06-6390	12:39956995-39957116	12:55675644-55675869	-
TCGA-06-6390	4:1708785-1708880	4:1778439-1778522	-
TCGA-06-6390	1:211175669-211175902	12:53252536-53252673	+
TCGA-08-0386	13:21732156-21732256	13:21735928-21735938	+
TCGA-12-0615	19:2037076-2037217	9:127789008-127789197	+
TCGA-12-0615	22:29632129-29632247	22:29745235-29745297	-
TCGA-12-0615	7:55872059-55872300	7:55874724-55875023	+
TCGA-12-0615	1:59141165-59141226	22:29745319-29745378	-
TCGA-12-0616	12:57905957-57906214	12:69189146-69189249	-
TCGA-12-0616	12:58127819-58128369	7:32557547-32557847	-
TCGA-12-0616	7:105122701-105122864	7:140074673-140074740	-
TCGA-12-0616	7:41739920-41740117	7:54539485-54539686	-
TCGA-12-0618	11:67469324-67469541	14:77843998-77844226	-
TCGA-12-0619	7:55089184-55089271	7:55223454-55223600	+
TCGA-12-0619	2:179308077-179308133	2:179312229-179312268	+
TCGA-12-0619	2:70315476-70315704	3:142234675-142234817	-
TCGA-12-0688	7:144707545-144707750	7:144712124-144712245	+
TCGA-12-0688	7:54789957-54790126	7:55303956-55304090	-
TCGA-12-0688	1:2494086-2494265	9:118899545-118899831	+
TCGA-12-0688	1:16890415-16890694	1:203612829-203613012	+
TCGA-12-0692	3:9069942-9070108	3:9097858-9098006	-
TCGA-12-1597	12:56413982-56414508	12:56447242-56447671	-
TCGA-12-1597	16:68856951-68857042	16:69083410-69083493	-
TCGA-12-1597	7:54950506-54950831	7:55190940-55191101	-

TCGA-12-1597	1:202716701-202716829	12:56426234-56426276	-
TCGA-12-3649	16:13857388-13857526	19:58461732-58462009	-
TCGA-12-3649	19:3930314-3930508	20:17668610-17668829	-
TCGA-12-3649	19:933831-933893	19:11477891-11478069	+
TCGA-12-3650	7:55283282-55283729	X:153647467-153647717	+
TCGA-12-3650	5:139576925-139576997	5:140007029-140007149	-
TCGA-12-3650	2:132736297-132736709	Y:10637997-10638867	+
TCGA-12-3652	7:55166085-55166221	7:55189314-55189516	+
TCGA-12-3653	19:5245767-5246006	19:55705424-55705526	+
TCGA-12-3653	7:54796238-54797038	7:55236394-55237040	-
TCGA-12-5295	16:33833048-33833066	Y:10606406-10606430	+
TCGA-12-5299	7:54794347-54794671	7:55322492-55322747	-
TCGA-12-5299	7:55237521-55238070	7:55361777-55361898	-
TCGA-12-5301	18:51857023-51857113	18:53479468-53479631	-
TCGA-12-5301	6:117749081-117749287	6:117994542-117994612	+
TCGA-12-5301	8:138759394-138759470	8:139234572-139234652	+
TCGA-14-0786	1:7835513-7835646	1:7867261-7867357	-
TCGA-14-0787	17:42847137-42847212	17:43111414-43111530	-
TCGA-14-0789	13:52586643-52586760	13:52603897-52604081	-
TCGA-14-0789	16:74050028-74050139	3:119452124-119452313	-
TCGA-14-0789	7:55001212-55001443	7:55003204-55003357	+
TCGA-14-0790	7:54182939-54183213	7:54484556-54484729	+
TCGA-14-0817	20:57613628-57613657	7:126935765-126935835	+
TCGA-14-0817	7:55241157-55241271	7:55268902-55269081	-
TCGA-14-0817	4:164271815-164271956	X:108114787-108114974	+
TCGA-14-0817	4:55087240-55087418	6:72789437-72789577	+
TCGA-14-0871	10:79293403-79293503	10:79565393-79565455	-
TCGA-14-0871	19:8524663-8524890	21:15858215-15858340	-
TCGA-14-0871	19:41518404-41518615	22:48643509-48643760	+
TCGA-14-0871	22:39917868-39918044	7:155644207-155644277	-
TCGA-14-0871	3:196129801-196130093	3:196733545-196733712	-
TCGA-14-1034	17:29028188-29028285	17:43110491-43110600	-
TCGA-14-1034	1:2700479-2700581	1:11107114-11107288	+
TCGA-14-1456	6:32549131-32549170	6:32605804-32605850	+
TCGA-14-1829	1:6153595-6153755	1:11155811-11155981	-
TCGA-14-2554	11:63329042-63329132	17:77093536-77093650	-
TCGA-14-2554	20:36494485-36494722	7:25142505-25142704	+
TCGA-14-2554	7:55117983-55118086	7:55189341-55189453	+
TCGA-14-2554	7:55196544-55196842	7:55200583-55200786	+
TCGA-14-2554	7:54860686-54860902	7:55196626-55196895	+
TCGA-14-2554	6:136641490-136641636	6:136645411-136645446	+

TCGA-14-3476	14:64333143-64333271	16:65539804-65539930	-
TCGA-14-4157	9:125203902-125203981	9:129183062-129183091	-
TCGA-14-4157	9:124831465-124831598	9:137741928-137742045	+
TCGA-15-0742	17:60503866-60503890	7:128119399-128119416	+
TCGA-15-1444	10:105184487-105184748	10:112096626-112096871	+
TCGA-16-0848	7:5567335-5567464	7:34942459-34942677	+
TCGA-16-0861	1:17939610-17939722	1:19769120-19769237	-
TCGA-16-1045	17:35373462-35373582	17:35493570-35493732	-
TCGA-16-1045	14:44402744-44402907	14:53758302-53758465	-
TCGA-16-1045	1:7106199-7106473	1:31859436-31859686	+
TCGA-16-1048	12:55185853-55185952	12:55397000-55397060	-
TCGA-16-1048	14:76473561-76473764	16:65595400-65595548	-
TCGA-19-1390	2:21085108-21085231	2:21182338-21182393	+
TCGA-19-1790	12:66742705-66742961	12:67406512-67406993	+
TCGA-19-1790	1:202695560-202695727	9:33251069-33251186	-
TCGA-19-2619	7:34482007-34482074	7:98860903-98861201	-
TCGA-19-2619	1:214804212-214804475	1:215065007-215065099	-
TCGA-19-2619	1:152000684-152000763	1:171324064-171324229	+
TCGA-19-2619	1:154136790-154137223	1:171669666-171669918	-
TCGA-19-2619	1:238373904-238374229	1:239774353-239774451	+
TCGA-19-2620	1:7967494-7967601	19:17930386-17930405	+
TCGA-19-2624	12:56486531-56486961	12:61458087-61458264	-
TCGA-19-2624	12:61457752-61457957	12:62331488-62331770	-
TCGA-19-2624	12:56477884-56478021	12:67385260-67385390	+
TCGA-19-2624	12:67415337-67415434	7:55670302-55670328	+
TCGA-19-2624	12:56477752-56478081	7:55679335-55679488	+
TCGA-19-2624	7:55191628-55191834	7:55620701-55620791	-
TCGA-19-2624	7:55191646-55191913	7:55406072-55406350	+
TCGA-19-2625	22:25283667-25283782	9:35947511-35947629	+
TCGA-19-2625	9:37348120-37348277	9:124355917-124356076	+
TCGA-19-2631	14:31631127-31631782	7:54970611-54971531	+
TCGA-19-4068	7:54994584-54994817	7:55181797-55181995	+
TCGA-19-4068	7:55173386-55173551	7:55190909-55191167	+
TCGA-19-4068	7:54998852-54999137	7:55186184-55186606	-
TCGA-19-5950	4:38998391-38998636	4:42537519-42537762	-
TCGA-19-5950	8:124581827-124581951	9:138853932-138854018	+
TCGA-19-5952	7:55174075-55174935	7:55190917-55191214	+
TCGA-19-5954	18:99362-99386	5:10514429-10514470	+
TCGA-19-5954	21:18295373-18295436	5:10512146-10512336	-
TCGA-19-5954	21:14667756-14668262	21:18451442-18451584	-
TCGA-19-5954	21:18454182-18454349	5:10514425-10514533	-

TCGA-19-5954	21:18451217-18451397	5:12666784-12666904	-
TCGA-19-5954	7:54195272-54195463	7:56264295-56264500	-
TCGA-19-5958	22:30504095-30504135	22:30974662-30974790	-
TCGA-19-5958	1:33252706-33252710	1:58869333-58869365	-
TCGA-19-5959	19:37635896-37636095	9:6226138-6226270	-
TCGA-19-5960	12:43889780-43889957	12:54660752-54661161	+
TCGA-19-5960	12:102917174-102917312	12:102926838-102926900	-
TCGA-19-5960	12:56422035-56422097	12:81213582-81213641	-
TCGA-26-1439	14:31630294-31631128	7:54970066-54970824	+
TCGA-26-1439	6:136632391-136632444	6:136635909-136635936	+
TCGA-26-5132	12:8013846-8014001	12:100569066-100569426	+
TCGA-26-5132	12:40067890-40068340	12:67410904-67411436	-
TCGA-26-5132	12:40159816-40159878	12:67500357-67500440	-
TCGA-26-5133	11:120045805-120045930	14:49830642-49830703	+
TCGA-26-5133	17:6870854-6870889	19:1719939-1719987	+
TCGA-26-5133	17:6870696-6870757	18:59293463-59293635	-
TCGA-26-5133	14:49830551-49830620	17:26928786-26928891	-
TCGA-26-5133	19:43922518-43922708	19:63325100-63325187	-
TCGA-26-5133	19:43922496-43922583	2:26570650-26570926	-
TCGA-26-5133	2:21501412-21501608	2:182803914-182804210	-
TCGA-26-5135	12:62771019-62771400	12:66247963-66248430	+
TCGA-26-5135	12:56407877-56408074	12:60416393-60416447	-
TCGA-26-5135	12:67119807-67120210	12:67401834-67402231	+
TCGA-26-5136	2:182104645-182104684	2:182106551-182106650	+
TCGA-26-5139	12:51331596-51331736	5:111888515-111888620	+
TCGA-27-1831	12:102902734-102902828	12:102904857-102905003	+
TCGA-27-1831	16:83580456-83580510	16:84259208-84259524	-
TCGA-27-1831	7:54905609-54905715	7:55235526-55235587	+
TCGA-27-1831	5:142673707-142673819	5:143113768-143113921	-
TCGA-27-1831	9:22019358-22019532	9:23320028-23320253	+
TCGA-27-1832	18:67789513-67789799	18:67836059-67836250	+
TCGA-27-1832	7:21639561-21639843	7:23103866-23104201	-
TCGA-27-1832	9:4956607-4956736	9:35045602-35045892	-
TCGA-27-1833	7:41732726-41733010	7:55270215-55270480	-
TCGA-27-1833	7:55241397-55241735	7:55269960-55270096	-
TCGA-27-1833	7:30494800-30494877	7:31608406-31608555	-
TCGA-27-1834	10:52086940-52087062	10:59379505-59379590	+
TCGA-27-1834	17:37566137-37566454	17:37577724-37577819	+
TCGA-27-1834	16:50048398-50048466	2:65432382-65432555	+
TCGA-27-1834	16:24173831-24173912	16:53337824-53338024	-
TCGA-27-1835	12:56396104-56396348	12:56442083-56442386	-

TCGA-27-1835	14:75343311-75343332	5:1394824-1394945	+
TCGA-27-1835	14:64329656-64329848	6:10481607-10481711	-
TCGA-27-1835	14:75293925-75294054	6:11194477-11194560	-
TCGA-27-1835	14:67114400-67114552	6:11712055-11712148	+
TCGA-27-1835	14:57340789-57340849	6:46932536-46932610	+
TCGA-27-1835	14:57183836-57183901	6:46902128-46902211	+
TCGA-27-1835	14:73828677-73828748	14:85016073-85016183	+
TCGA-27-1835	1:158098471-158098518	17:17339645-17339830	-
TCGA-27-1835	1:24870892-24870950	5:79120600-79120728	-
TCGA-27-1836	14:31631102-31631240	7:54970704-54971112	+
TCGA-27-1837	12:102902765-102902831	12:102904855-102905021	+
TCGA-27-1837	7:55235915-55236453	7:55837936-55838440	+
TCGA-27-1837	2:132755094-132755120	5:71182496-71182612	-
TCGA-27-1838	12:12123471-12123624	12:47374951-47375098	-
TCGA-27-1838	12:21827962-21828023	12:21892178-21892412	-
TCGA-27-1838	12:21824128-21824222	12:21858817-21858946	-
TCGA-27-2519	1:31612819-31613014	1:32546465-32546644	-
TCGA-27-2519	9:121725819-121726009	9:122626570-122626735	+
TCGA-27-2521	3:188368190-188368307	3:188461143-188461285	-
TCGA-27-2521	8:98534524-98534772	8:124517900-124518256	+
TCGA-27-2523	12:8609190-8609263	12:8987332-8987479	-
TCGA-27-2523	10:72305906-72305914	10:121426214-121426357	-
TCGA-27-2523	7:55140608-55140650	7:55236442-55236592	+
TCGA-27-2523	7:55208671-55208997	7:55236286-55236601	-
TCGA-27-2523	1:244877537-244877904	1:246813537-246813606	+
TCGA-27-2523	1:158366337-158366584	1:158474962-158475122	-
TCGA-27-2528	16:15039432-15039457	8:87563109-87563138	+
TCGA-27-2528	7:55833420-55833580	7:128151840-128152078	-
TCGA-27-2528	7:28593171-28593540	7:150279355-150279772	+
TCGA-28-1747	15:27928861-27929037	15:31865382-31865462	-
TCGA-28-1747	7:20728463-20728672	7:51120391-51120537	-
TCGA-28-1747	7:21436005-21436258	7:23279360-23279442	+
TCGA-28-1753	16:33848920-33849021	8:52895679-52895727	+
TCGA-28-1753	19:556144-556274	19:559430-559513	+
TCGA-28-1753	19:62695390-62695732	19:62709337-62709661	+
TCGA-28-1753	7:55084555-55084831	7:55189197-55189501	+
TCGA-28-2499	14:34941346-34941871	7:40988918-40989156	-
TCGA-28-2499	6:153645441-153645535	6:168679641-168679739	-
TCGA-28-2499	2:232906198-232906438	2:241931054-241931284	-
TCGA-28-2501	7:55140520-55140753	7:55189251-55189475	+
TCGA-28-2501	5:110312004-110312157	6:136624181-136624313	-

TCGA-28-2502	11:421967-421988	11:6372268-6372332	-
TCGA-28-2502	11:523524-523653	11:18535742-18535898	+
TCGA-28-2502	11:1675316-1675420	19:52171425-52171606	+
TCGA-28-2502	11:6601583-6601726	11:18971538-18971721	+
TCGA-28-2502	19:53307327-53307545	19:53322295-53322415	-
TCGA-28-2502	6:10518363-10518539	6:10907166-10907294	-
TCGA-28-2513	7:55235946-55236531	7:55838577-55838893	+
TCGA-28-2513	7:55629155-55629342	7:55680825-55681244	-
TCGA-28-2514	7:55236120-55236504	7:55647479-55647770	+
TCGA-28-2514	1:26124363-26124455	1:51508251-51508371	+
TCGA-28-2514	1:26708974-26709046	1:27524313-27524521	+
TCGA-28-5204	11:47763123-47763230	15:73654405-73654512	+
TCGA-28-5204	17:57857599-57857620	7:127906637-127906652	+
TCGA-28-5204	9:35163257-35163332	9:89690569-89690681	+
TCGA-28-5207	12:56477218-56477339	6:43581040-43581367	+
TCGA-28-5207	12:121923394-121923629	19:18256993-18257216	-
TCGA-28-5207	17:2230851-2231074	17:2257082-2257190	-
TCGA-28-5208	7:42748885-42749050	7:55209068-55209270	+
TCGA-28-5214	12:56271358-56271489	12:68246605-68246739	+
TCGA-28-5214	11:133182953-133183108	11:133559945-133560303	-
TCGA-28-5214	19:51360772-51360886	3:52365568-52365685	+
TCGA-28-5214	7:54752905-54753001	7:55236248-55236456	-
TCGA-28-5216	11:100414989-100415167	11:100646635-100646723	+
TCGA-28-5216	18:26386196-26386324	18:54134141-54134282	+
TCGA-28-5216	3:24875905-24876113	3:25517627-25517782	+
TCGA-28-5219	17:18813040-18813190	17:18860005-18860137	+
TCGA-28-5219	22:22413869-22413982	22:35238377-35238553	+
TCGA-28-5219	22:22455656-22455768	22:35450023-35450111	+
TCGA-28-5219	22:22441796-22441895	22:35292429-35292544	+
TCGA-28-5219	1:25697289-25697569	1:26535951-26536069	-
TCGA-28-5220	15:39345078-39345307	20:4802603-4802804	-
TCGA-28-5220	3:47207055-47207358	3:49871908-49872077	+
TCGA-28-5220	3:49871814-49871974	3:49972579-49972709	-
TCGA-28-5220	3:46896655-46896795	3:46919700-46919850	-
TCGA-28-5220	3:50059580-50059736	3:50171913-50172189	+
TCGA-28-6450	19:47043342-47043454	19:48010651-48010700	+
TCGA-28-6450	1:148791811-148792052	22:28818119-28818249	+
TCGA-32-1970	19:62742012-62742146	7:30206476-30206677	+
TCGA-32-1970	19:54592686-54592823	7:27920974-27921015	+
TCGA-32-1970	19:46581401-46581641	19:47925855-47926073	+
TCGA-32-1970	19:44891715-44891930	19:46747191-46747293	-

TCGA-32-1970	19:63045374-63045451	7:30206382-30206594	+
TCGA-32-1970	19:57538525-57538667	7:39702891-39703027	+
TCGA-32-1970	19:50377484-50377603	19:50550653-50550785	-
TCGA-32-1970	19:46581306-46581525	19:62751778-62751906	-
TCGA-32-1970	19:44641287-44641385	19:48997383-48997438	+
TCGA-32-1970	7:36432128-36432231	7:39757722-39757799	-
TCGA-32-1970	7:55195296-55195460	7:56342257-56342300	-
TCGA-32-1970	7:53745119-53745335	7:55208978-55209166	+
TCGA-32-1970	7:38748073-38748275	7:52461660-52461718	-
TCGA-32-1979	2:179009213-179009290	2:179014580-179014593	+
TCGA-32-1982	10:24802141-24802200	16:1076903-1077027	-
TCGA-32-1982	16:2749551-2749772	17:70656263-70656378	-
TCGA-32-1982	19:1025124-1025238	X:39192714-39192831	-
TCGA-32-1982	3:53238130-53238225	3:53322073-53322148	-
TCGA-32-1982	1:91625375-91625501	17:72669987-72670014	-
TCGA-32-1982	1:91625366-91625503	12:126216897-126216978	-
TCGA-32-1986	15:83279125-83279326	5:120448159-120448192	+
TCGA-32-1986	1:203698787-203698838	14:72229530-72229605	+
TCGA-32-1991	12:3244245-3244798	20:31064189-31064729	-
TCGA-32-1991	11:16886361-16886452	7:55436183-55436485	+
TCGA-32-1991	11:5740996-5741135	11:5765856-5766033	+
TCGA-32-1991	19:48050379-48050412	19:48073896-48074130	-
TCGA-32-2491	X:123526877-123527082	X:128749188-128749331	-
TCGA-32-2494	16:20906858-20906942	16:49370514-49370624	+
TCGA-32-2494	18:12422516-12422621	20:1850127-1850200	-
TCGA-32-2495	17:35386595-35386752	17:37102381-37102585	+
TCGA-32-2495	17:37710180-37710289	9:14940604-14940732	+
TCGA-32-2495	9:21323235-21323320	9:32298584-32298654	+
TCGA-32-2615	7:43413750-43414217	7:43946475-43946969	-
TCGA-32-2615	1:244973248-244973408	2:241818181-241818296	+
TCGA-32-2615	1:245119464-245119665	1:245146286-245146346	+
TCGA-32-2616	14:71470747-71470874	17:7692411-7692551	+
TCGA-32-2632	11:34629856-34629933	17:74324517-74324729	+
TCGA-32-2638	16:44943305-44943307	16:44983747-44983770	-
TCGA-32-2638	19:58013014-58013314	19:58048953-58049012	-
TCGA-32-2638	7:55235181-55235796	7:55240235-55241092	+
TCGA-32-2638	5:135300164-135300381	5:135306733-135306931	+
TCGA-32-4208	12:2348864-2349095	12:54915749-54915807	+
TCGA-32-4208	12:54811102-54811291	12:115641585-115641621	-
TCGA-32-4208	12:29389582-29389748	12:58165963-58166254	-
TCGA-32-4208	12:54822259-54822398	12:115261535-115261628	-

TCGA-32-4208	12:55285119-55285265	12:112476612-112476657	-
TCGA-32-4208	12:54811310-54811409	12:73021732-73021775	+
TCGA-32-4208	12:114176934-114177019	12:119062968-119063103	+
TCGA-32-4208	12:54861601-54861790	12:71525167-71525273	-
TCGA-32-4208	12:54810539-54810665	12:56553611-56553682	+
TCGA-32-4208	19:39055828-39055912	19:43694024-43694144	+
TCGA-32-4209	1:246911424-246911560	2:210021816-210022061	-
TCGA-32-4209	1:154739079-154739232	1:163028464-163028600	+
TCGA-32-4209	1:145050197-145050249	1:198563683-198563784	+
TCGA-32-4209	1:246911823-246911891	2:210600560-210600664	+
TCGA-32-4210	17:32040254-32040542	17:33019519-33019700	+
TCGA-32-4210	1:81740534-81740586	15:72623856-72623880	-
TCGA-32-4211	12:38971727-38971837	12:55268969-55269117	-
TCGA-32-4211	5:126035007-126035095	5:131331469-131331578	+
TCGA-32-4213	7:53486335-53486630	7:56052179-56052637	-
TCGA-32-4719	14:31630420-31631237	7:54970052-54971069	+
TCGA-32-4719	1:158588110-158588167	1:180466881-180466957	+
TCGA-32-5222	1:21123362-21123583	1:21459321-21459529	+
TCGA-32-5222	1:6787036-6787140	1:11236423-11236517	-
TCGA-41-2571	12:47153017-47153077	12:58217254-58217385	+
TCGA-41-2571	12:52181739-52182042	12:56249350-56249633	+
TCGA-41-2571	12:46939588-46939659	12:47153019-47153166	-
TCGA-41-2571	12:47153066-47153211	12:47944154-47944205	+
TCGA-41-2571	12:56450930-56451583	12:67446665-67446922	+
TCGA-41-2571	12:47152938-47153087	12:47943791-47943917	-
TCGA-41-2571	12:52111115-52111316	12:69541478-69541617	+
TCGA-41-2571	16:33833045-33833070	Y:10606412-10606456	+
TCGA-41-2571	16:75880665-75880826	16:83007927-83008014	-
TCGA-41-2571	6:166154302-166154450	6:170720675-170720859	+
TCGA-41-2572	14:31631099-31631195	7:54970639-54970914	+
TCGA-41-2573	12:55686627-55686666	12:56294042-56294126	-
TCGA-41-2573	12:55751173-55751507	12:56150271-56150590	-
TCGA-41-2573	12:55717391-55717884	12:56109000-56109364	-
TCGA-41-2573	12:56287383-56287572	12:56835987-56836115	+
TCGA-41-2573	12:55750737-55750966	12:56424994-56425447	+
TCGA-41-2573	12:55808520-55808600	12:55913297-55913722	-
TCGA-41-2573	12:55709766-55710330	12:56294378-56295008	+
TCGA-41-2575	4:184247094-184247226	4:185918413-185918669	+
TCGA-41-2575	4:188168761-188168862	4:189257256-189257537	+
TCGA-41-3393	19:58596998-58597007	19:58644464-58644486	-
TCGA-41-3393	7:2504144-2504336	7:2737370-2737408	-

TCGA-41-3393	3:45842827-45842927	3:52307675-52307755	-
TCGA-41-3915	8:55005395-55005783	8:81896242-81896589	-
TCGA-41-3915	8:53240231-53240397	8:92028550-92028725	-
TCGA-41-4097	2:235475491-235475508	4:25106734-25106752	+
TCGA-41-5651	12:56249559-56249698	12:57782106-57782217	-
TCGA-41-5651	12:56143946-56144145	12:57375717-57375857	+
TCGA-41-5651	12:56150346-56150438	12:57662780-57662832	-
TCGA-41-5651	12:56410414-56410676	12:56944859-56945062	-
TCGA-41-5651	12:56214096-56214269	12:57338609-57338784	-
TCGA-41-5651	6:136632366-136632448	6:136635908-136635938	+
TCGA-76-4925	19:32576428-32576490	19:41013715-41013914	+
TCGA-76-4925	6:41079261-41079445	6:41167364-41167556	+
TCGA-76-4925	1:112198047-112198223	4:1775248-1775422	+
TCGA-76-4926	11:117465202-117465397	11:117876872-117877030	-
TCGA-76-4926	11:117445554-117445703	15:79414058-79414224	-
TCGA-76-4926	10:89301905-89302128	10:90137951-90138085	-
TCGA-76-4931	1:50907786-50907983	1:51212073-51212200	+
TCGA-76-4934	6:136632390-136632446	6:136635907-136635947	+
TCGA-76-4935	1:202813330-202813438	12:56311298-56311427	-
TCGA-76-4935	1:44347878-44347988	19:3149809-3149909	+
TCGA-76-6192	13:51626022-51626194	9:21649649-21649749	-
TCGA-76-6193	4:39651369-39651419	8:101788065-101788122	+
TCGA-76-6285	6:47000820-47000926	6:47092272-47092344	+
TCGA-76-6285	6:47136083-47136172	6:49690290-49690497	+
TCGA-87-5896	19:45901103-45901212	19:52989906-52989956	+
TCGA-87-5896	1:10786006-10786102	19:1904988-1905169	-

right strand	read supp	left mapq	right mapq	split read score
-	105	36.9	36.9	127.7
-	6	37	37	na
+	10	37	37	na
-	6	31	31.7	na
-	66	35.4	36.8	na
+	7	37	37	na
+	23	35.6	36.5	116.07
+	40	36.7	36.4	81.67
-	8	35.5	37	na
+	26	36	36.5	na
-	7	37	37	na
-	20	36.4	37	na
+	19	37	36.4	128.29
+	45	37	37	105.91
-	13	36.1	37	na
+	7	37	30.2	na
-	165	36.6	35.9	106.42
+	15	35.4	37	98.75
+	20	37	36.4	102.5
-	10	37	35.8	100
-	7	34	35.3	na
-	7	31.9	34.2	na
-	49	34.1	35	na
+	17	37	37	na
-	6	37	37	118
+	14	37	37	163
-	14	37	37	99.67
+	20	37	36.3	72
-	15	36.2	37	93.75
+	25	37	36.5	124
-	12	37	36	na
+	8	37	35.5	83.75
-	24	37	37	94
+	10	37	35.8	126
+	12	37	34.4	108.33
+	12	37	37	82
-	7	37	37	71.5
-	57	36.6	37	na
-	20	37	37	118.33
+	8	37	35.5	145.57

-	15	37	37	106
-	55	36.8	37	133.57
-	292	36.9	36.4	135.37
+	18	37	36.2	100.67
-	8	35.5	37	100
+	328	36.6	37	115.55
+	10	37	37	90
-	1465	36.7	36.9	120.45
+	8	37	37	na
+	8	37	34.6	na
-	6	37	37	na
+	15	37	37	79.29
-	18	36.3	37	163
-	7	37	37	144
-	11	37	37	na
+	10	37	37	119.75
+	6	37	37	na
+	13	35.9	37	78
+	9	37	35.7	118.75
-	6	37	37	na
-	19	36.4	37	116.33
-	12	37	37	123.86
+	14	37	37	113.29
+	37	37	36.7	88
+	11	35.9	37	90
-	6	37	37	102.64
+	6	37	37	na
-	108	37	36.8	na
+	19	37	37	124.25
-	27	36.5	37	113.5
-	9	37	34.3	na
-	9	30.2	34.3	na
-	6	31	37	na
-	13	31.8	33.3	na
+	10	32.2	35.8	na
-	21	31.1	36.3	53.37
-	6	31	35	na
+	6	33	37	70
+	585	37	34.6	71.61
+	113	37	34.6	71.61
+	28	37	37	na

+	10	35.8	37	105
-	6	37	37	66.25
-	92	36.5	36.7	91.26
+	20	37	36.4	96
-	6	37	32.3	na
+	14	36.1	37	116.67
-	16	37	34.5	86
+	6	37	35	133.57
-	19	37	37	106.17
-	7	37	35.3	na
-	6	37	32.7	125.67
-	14	36	37	104.71
-	1713	36.7	36.9	76.82
+	25	37	37	139.64
-	8	37	37	160.5
-	6	37	37	61.15
+	10	37	37	134
+	14	37	37	na
+	12	37	36	na
+	27	36.6	37	81.75
+	10	37	37	165
-	7	35.3	33	na
+	48	36.8	34.7	119.29
-	17	36.3	37	99.5
+	6	34.2	31.8	na
+	7	37	37	95
+	7	33.6	37	65.75
+	6	37	37	131
+	7	37	37	108
-	11	37	37	150
-	9	37	35.4	na
+	8	35.5	37	na
-	11	37	35.9	158.5
+	7	37	37	88
-	17	37	37	na
-	69	36.8	37	105.12
-	243	36.5	36.9	93.12
+	6	37	35	140
-	37	38.2	37	114.64
+	777	37	37.2	129.51
-	13	36.1	37	145.4

+	12	37	37.8	101.67
+	8	37	37	na
-	14	37	37	na
-	125	36.2	36.8	98.5
+	13	36.1	37	na
+	541	36.4	36.8	115.41
-	6	37	37	na
+	168	36.5	37	114.04
+	10	37	37	115.67
+	24	37	37	na
-	14	36.1	37	na
+	414	33.2	37.1	88.53
+	11	30.4	37	88
+	18	37	36.3	93
-	7	37	33.6	180
+	18	36.3	37	119.29
+	72	36.5	36.7	123.96
-	14	35.3	36.8	na
-	8	37	37	117.5
+	13	36.1	35.7	138
-	6	37	37	113.33
+	8	30.8	35.5	na
+	6	37	37	147.5
+	7	37	38.4	na
-	11	32.3	37	106.5
+	7	37	37	131.5
-	45	37	37.9	118.1
+	51	36.8	36.3	125.04
-	16	37	37	123.17
+	6	37	37	57.5
-	8	37	37	85.25
-	29	36.2	36.2	125.45
-	126	36.6	37	124.69
+	6	37	32.3	na
-	13	36.1	36.1	110.71
-	45	36.7	36.5	115.65
+	7	37	37	120.86
-	53	37	36.5	143.41
-	20	35.8	37	na
+	18	37	35.1	131
+	6	34.7	38.7	na

+	10	37	37	na
+	63	34.8	35.8	108.75
+	6	37	37	na
-	8	33.5	37	114.33
+	7	37	35.3	80
+	7	37	37	na
-	17	36.1	34.9	73.5
-	8	37	37	144.29
-	7	37	37	79
+	6	37	37	na
+	9	37	37	54
-	50	35.6	36.8	93.83
-	11	37	37	127.78
+	7	37	37	102.2
-	672	36.8	36	106.14
+	6	37	37	na
-	24	37	37	129.17
-	36	37	37	78.8
-	8	37	35.5	na
+	7	37	37	na
-	248	36.9	37	102.49
+	49	36.8	35.3	85.62
-	6	37	37	152
-	9	37	37	na
+	178	36.2	37	125.2
+	721	36.9	36.7	79.29
+	9	37	37	103.33
+	7	37	37	98
-	13	36.1	37	131
-	156	36.6	36.4	116.53
+	24	37	37	104.1
-	12	36	37	103.33
+	8	32	37	na
+	12	37	37	91
-	22	37	37	91
-	21	37	37	82
+	7	37	37	na
+	64	36.4	36.6	108.5
-	6	35	37	85
+	15	33.8	37	130
+	7	37	37	144

-	20	37	36.4	105
-	41	37	37	na
-	32	34.8	36.6	na
+	14	35.2	37	na
+	8	37	35.5	101
-	18	35.7	37	78.89
+	31	37	36.6	155
+	8	37	37	122.5
-	18	36.3	37	na
+	6	37	37	na
-	256	37	37.2	126.78
-	9	37	37	na
-	30	37	35.8	127.67
+	17	37	37	128.33
+	16	37	37	113.29
-	30	37	36.2	93
+	11	37	35.7	77.5
+	7	37	37	95
+	10	37	37	80
+	7	35.3	37	na
+	15	36.2	39.1	151.25
+	17	37	36.3	100.5
-	25	33.6	36.5	160.5
+	11	37	37	93.4
-	11	37	37	73
-	379	36.8	37.2	115.39
-	9	37	32.3	na
+	7	37	37	na
+	17	36.3	37	127.22
+	6	37	37	na
+	6	30.2	33	na
-	14	37	37	122.5
+	6	37	34.2	125.75
-	23	37	36	131.11
+	8	34	37	105.2
+	8	37	37	92.5
+	24	37	37	90
+	6	37	35	na
-	92	36.3	36.9	119
+	6	35	35	na
-	7	37	37	165

+	11	34.8	37	130
+	21	37	37	106.6
-	9	37	37	96.67
+	10	37	37	na
-	29	37	36.6	117.5
-	10	35.6	37	88
+	13	37	36.1	na
-	90	37	36.7	109.43
-	23	37	37	117.6
-	6	37	34.7	na
+	6	37	34.6	110
-	19	37	37	96.89
-	21	36.4	37	81.6
-	29	37	36.2	na
-	30	37	37	91
-	10	35.8	37	111.5
-	6	37	35	80
-	6	37	37	121.33
-	8	37	35.2	73
-	107	36.6	37	119.27
-	6	37	37	na
+	9	37	37	na
-	7	37	35.3	na
+	55	36.6	37	81.5
-	27	35.2	37	107.91
+	12	37	35.8	na
+	15	37	37	123.8
+	10	37	35.8	85
-	11	37	35.9	132.5
+	17	36.3	36.3	86.75
-	6	37	37	na
+	209	36	36.7	128.41
-	8	37	37	80.5
+	7	37	35.3	153
+	8	35.5	37	146.25
+	16	37	37	77
+	715	35.5	36.7	131.27
-	16	37	37	86.67
-	135	37	37	120.1
-	119	33.2	36.5	106.32
+	9	37	37	na

-	8	37	37	na
-	123	36.8	34.3	99.67
-	8	37	37	na
-	8	37	37	na
+	8	37	35.5	106.23
-	15	36.2	37	na
+	9	37	37	na
+	11	37	35.9	na
+	23	37	36.5	81.82
-	33	36.6	37	106.56
+	73	36.5	36.8	120.51
+	11	35.7	35.9	na
-	7	37	37	111
-	8	37	37	77.08
+	7	33.5	30.1	na
-	6	37	37	70
-	8	35.5	37	na
-	20	35.8	37	113
+	9	37	35.7	90
-	27	36.1	37	69
-	6	37	37	na
+	9	37	37	na
-	10	37	37	110.9
-	29	36.6	36	71.5
+	15	37	37	na
-	8	37	37	na
-	268	37	32.5	na
-	9	37	37	na
+	47	36.7	36.7	112.28
+	27	36.6	37	98
-	16	34.6	37	85.71
-	7	39.9	33.6	na
+	8	37	34	147.67
-	14	37	35.3	na
+	10	36.8	35.8	77
-	8	37	37	na
+	25	33.8	37	131.33
+	30	35.4	37	122.5
+	76	36.7	36.8	76.43
+	6	37	37	98.75
+	46	36.2	36.7	75

-	7	37	37	118.83
+	8	37	35.2	181
-	19	36.4	36.1	111
-	16	37	37	na
+	14	37	37	134.33
+	8	35.5	37	65
+	14	37	37	na
-	12	37	37	129.33
+	9	37	37	na
+	3745	36.9	37	98.24
-	6	34.6	31	na
-	505	36.7	34.7	127.49
+	19	37	37	89
-	8	37	37	85
-	8	37	37	83.33
+	8	37	37	110
-	12	37	36	95
+	13	37	37	117.73
+	10	37	37	116.5
+	8	37	37	na
-	7	35	37	na
-	20	37	37	136.25
+	6	31	35	na
+	18	36.2	37	100.83
-	13	36.1	37	144.67
+	36	36.3	37	106.11
+	8	35.5	37	na
+	23	37	37	83.75
+	12	37	37	111.33
+	7	33.3	37	na
-	33	37	36.3	104.43
-	8	37	37	136.25
+	10	37	37	113.75
-	7	34	35.3	na
+	43	36.4	37	115.45
+	6	37	37	145
-	53	37	36.3	124.15
-	13	37	37	118.5
-	153	36.8	36.7	113.77
+	112	36	36.8	95.92
-	9	37	35.2	na

+	16	36.3	37	118
+	8	37	35.2	64
-	8	34.9	37	140.6
-	6	37	37	na
-	6	35	37	101.5
-	17	36.1	37	139
+	23	37	36	144.4
+	10	34.2	37	73
+	11	37	37	118.8
+	11	37	34.3	120.29
+	8	37	37	94.38
+	42	34.7	37	110
-	8	37	37	106
-	18	30	37	158.33
-	22	37	37	137.04
+	7	37	37	78
+	6	37	35	155
+	8	37	37	na
+	23	37	37	80
-	8	31.8	37	na
-	12	37	37	116.67
-	403	37	36.5	132
+	119	36.6	36	124.63
-	11	37	37	na
+	12	37	34	na
+	286	37	36.5	115.31
-	25	37	36.5	100
+	235	36.9	36.8	102.55
-	8	35.5	37	na
+	15	35.4	37	101.2
-	6	37	37	na
-	74	36.2	36.8	124.71
-	31	36.6	37	94.55
+	158	36.1	36.8	71.92
+	30	37	37	160
+	8	37	35.5	93.75
-	143	36.7	37	125.41
+	17	34.2	37	na
+	9	37	37	na
-	40	37	37	na
+	11	37	37	na

+	6	37	37	na
+	11	35.9	37	79
-	7	37	37	116.33
+	6	37	37	na
+	7	37	37	90
+	33	37	35.4	127.87
+	6	37	37	60
-	6	37	37	149.25
-	6	32.2	37	na
-	11	37	37	na
-	34	34.5	37	na
-	36	37	37	na
+	10	37	37	95.5
+	11	37	35.9	124.67
+	6	37	37	138
-	7	37	37	155
-	10	37	37	102
+	15	37	36.2	111.4
-	9	37	35.7	117.5
-	23	36.5	37	87.5
+	406	36.7	36.7	96.14
-	9	37	37	89.75
+	555	36.8	36.9	101.45
-	12	37	37	124
-	14	36.1	32.6	105.07
-	10	37	32.3	na
+	6	34	33	na
+	7	35.3	37	179
-	8	37	37	94.44
-	40	37	36.7	102.92
-	17	37	37	84
+	14	37	37	102
-	7	37	33.6	89
-	81	36.3	36.9	na
+	19	37	36.4	na
+	10	38	37	83
-	7	37	37	130
-	23	37	37	133.33
+	13	37	31.6	na
-	17	37	37	na
+	190	36.6	36.4	111.3

-	6	37	37	97.67
-	16	37	37	131.57
-	17	37	34.1	129.2
+	12	37	37	124.25
-	6	37	35	173
-	6	37	37	139
+	7	37	35.3	na
-	6	37	37	na
+	40	34.7	37	132.1
-	12	34.3	35.8	na
-	6	37	32.3	na
+	385	36.9	36.1	120.45
-	6	32.7	37	na
+	11	37	34.4	104
+	6	37	37	na
-	10	37	37	92
+	25	36.5	36	108.89
+	21	37	37	137.5
-	8	37	37	82.5
-	19	37	37	124.6
-	19	36.3	36.4	95
-	6	37	37	na
+	48	35	36.7	62.77
+	58	36	36.8	na
+	11	37	37	110.62
+	7	37	37	na
-	6	37	37	na
-	52	32.5	36.8	128.41
+	304	36.7	36.7	129.79
-	11	35.9	37	111.25
+	15	36.2	37	85.88
-	13	37	37	120
+	6	31.8	34.7	na
-	7	37	37	50
-	10	35.6	34.3	na
-	156	36.4	36.8	102.46
+	1052	36.8	36.6	131.98
+	12	37	35	132.5
+	6	34.6	37	na
-	45	36.2	36.7	133.07
+	6	37	35	na

-	6	37	37	70
+	13	37	34.1	116
-	9	37	37	134.25
-	21	36.4	33.3	126.5
-	17	37	37	125
-	6	35	34.7	na
+	172	36.9	36.4	116.43
-	19	35.1	36.4	na
+	334	36.9	32.6	90.57
-	23	37	36.4	100.33
+	6	35	37	na
-	7	37	30.8	na
-	8	37	37	na
+	6	37	37	na
-	21	37	37	101
+	14	37	37	na
-	7	35.3	37	na
-	33	37	36.6	98.17
-	23	37	36.5	89.19
-	43	36.7	37	na
+	7	35.3	37	65.67
+	18	37	37	137.86
-	9	37	34.3	na
+	16	37	37	106.75
-	11	37	37	152
-	9	35.7	37	114.33
+	15	36.2	37	117.5
+	6	37	35	81
+	9	37	37	84.5
+	11	37	35.9	109
+	6	37	37	85
+	45	37	33	87
+	9	37	37	131.6
-	9	37	37	na
+	25	37	37	108.33
+	7	37	30.1	na
-	10	37	34.2	112.75
-	14	36.1	37	102.71
-	16	37	37	105.5
+	124	35.9	35.9	115.65
-	23	37	36.5	82.86

-	15	35.4	37	100
-	9	35.2	37	na
+	16	35.4	37	101.88
-	48	36.8	36.5	87.33
+	7	37	35.3	106.33
+	7	37	35.3	134
-	37	36.7	36.7	60.91
+	72	36.5	37	95.61
-	7	37	37	86.86
-	8	37	37	125.75
+	10	37	37	94
-	22	36.5	37	86.5
-	8	37	37	na
+	6	37	37	na
+	6	37	37	na
+	12	37	37	na
+	8	37	37	127.67
+	7	37	37	93.3
-	290	36.5	37	121.73
+	6	33.6	37	na
-	7	38.4	35.3	93.33
+	6	34.2	31.3	na
-	6	35	34.6	80.33
+	10	35.8	37	92.4
-	6	37	37	106
+	9	37	37	124
-	14	37	34.4	na
+	13	37	34.2	140
-	756	36.9	36.5	121.8
+	16	37	36.3	131.5
-	8	37	37	na
+	15	36.2	37	127.5
+	8	37	35.5	145.5
-	6	31.4	31	na
+	7	37	35	na
-	139	37	37	131.4
+	22	37	37	144
+	7	37	37	na
-	8	37	37	135
+	35	37	36.3	107
-	33	37	36.6	83.76

-	8	35.5	35.5	157.7
-	12	37	37	na
-	6	37	37	55
-	11	37	37	98.56
+	6	37	31.8	86.67
+	11	34.8	37	75.33
-	17	35.5	37	85
-	11	35.9	37	95
-	13	37	36.1	151
+	6	37	37	na
-	33	36.6	37	105.67
+	7	37	37	na
-	15	37	35.1	78.92
+	10	35.6	35.8	117.29
+	94	36.4	30.3	na
-	15	35.4	37	na
-	6	37	37	179
-	14	37	37	100
-	9	34.3	37	69
+	6	37	35	75.5
+	45	37	36.7	108.17
+	8	35.2	35.5	145.71
+	13	36.1	35.1	na
-	11	33.4	37	124
-	8	37	37	131
+	14	37	36.1	116
-	7	35.3	37	82
-	7	37	37	na
-	6	37	37	77.5
-	7	34.6	31	na
+	12	34	36	na
-	28	36.1	37	85.5
-	41	37	35.7	na
-	61	37	37	105.52
-	62	36.7	36.2	na
-	77	36.7	36.7	na
-	148	36.4	36.7	na
-	24	36	37	117.43
-	20	36.4	37	126.17
+	6	37	34.5	na
+	7	37	37	121.88

-	16	37	37	95
-	67	36.8	37.1	107
-	42	36.7	36.7	110.03
+	6	34.6	35	na
+	20	37	34.8	118.89
+	17	37	35	106
-	9	37	37	91
+	32	36.6	37	105.12
+	16	37	37	138
-	7	35.3	37	na
-	13	35.2	37	na
-	12	36	34	128
+	20	37	37	75
-	9	37	37	98.33
-	7	37	35.3	152.5
-	20	37	37	134.33
-	19	37	37	95.62
-	12	33.5	34.8	75
+	11	34.8	37	na
-	10	37	35.8	106.86
+	9	37	37	121.5
-	7	35	31.9	na
-	6	35	37	na
+	13	36.1	37	135
-	6	35	37	na
-	10	37	35.8	95

left annotation

ID=GLI1_exon12;LOC=exon;CDS=1;ST=+
ID=ARHGAP5_exon2;LOC=exon;CDS=1;ST=+
ID=7_btw_ANLN_AOAH;LOC=intergenic;DS=AOAH;US=ANLN
ID=14_btw_ADAM6_immunoglobulin heavy chain;LOC=intergenic;DS=immunoglobulin heavy chain;l
ID=JMJD1C_intron_btw_exon1_2;LOC=intron;PH=0;DS=JMJD1C:exon1;US=JMJD1C:exon2;ST=-
ID=12_btw_XRCC6BP1_LRIG3;LOC=intergenic;DS=LRIG3;US=XRCC6BP1
ID=MARS_intron_btw_exon7_8;LOC=intron;PH=2;DS=MARS:exon8;US=MARS:exon7;ST=+
ID=CTDSP2_intron_btw_exon2_3;LOC=intron;PH=0;DS=CTDSP2:exon2;US=CTDSP2:exon3;ST=- ID=CT
ID=METTL1_exon1;LOC=exon;CDS=1;ST=-
ID=GLI1_intron_btw_exon11_12;LOC=intron;PH=1;DS=GLI1:exon12;US=GLI1:exon11;ST=+
ID=KIF5A_intron_btw_exon26_27;LOC=intron;PH=1;DS=KIF5A:exon27;US=KIF5A:exon26;ST=+
ID=12_btw_MARCH9_CYP27B1;LOC=intergenic;DS=CYP27B1;US=MARCH9
ID=FAM119B_exon3;LOC=exon;CDS=1;ST=+ ID=FAM119B_exon3_3utr;LOC=utr3;CDS=0;ST=+
ID=STAC3_intron_btw_exon8_9;LOC=intron;PH=0;DS=STAC3:exon8;US=STAC3:exon9;ST=- ID=STAC3
ID=KIF26B_intron_btw_exon7_8;LOC=intron;PH=1;DS=KIF26B:exon8;US=KIF26B:exon7;ST=+
ID=1_btw_LOC647121_BC071797;LOC=intergenic;DS=BC071797;US=LOC647121
ID=EGFR_intron_btw_exon7_8;LOC=intron;PH=1;DS=EGFR:exon8;US=EGFR:exon7;ST=+ ID=EGFR_ex
ID=EPB41_intron_btw_exon12_13;LOC=intron;PH=0;DS=EPB41:exon13;US=EPB41:exon12;ST=+
ID=IQCC_exon5;LOC=exon;CDS=1;ST=+
ID=12_btw_TMEM132B_DKFZp434G0827;LOC=intergenic;DS=DKFZp434G0827;US=TMEM132B
ID=10_btw_DQ575272_ZNF33B;LOC=intergenic;DS=ZNF33B;US=DQ575272
ID=4_btw_FLJ21511_DCUN1D4;LOC=intergenic;DS=DCUN1D4;US=FLJ21511
ID=PID1_intron_btw_exon2_3;LOC=intron;PH=0;DS=PID1:exon2;US=PID1:exon3;ST=-
ID=HFM1_intron_btw_exon4_5;LOC=intron;PH=2;DS=HFM1:exon4;US=HFM1:exon5;ST=-
ID=PKP1_exon1;LOC=exon;CDS=1;ST=+
ID=LRRK2_intron_btw_exon14_15;LOC=intron;PH=0;DS=LRRK2:exon15;US=LRRK2:exon14;ST=+ ID=L
ID=TSPAN9_intron_btw_exon3_4;LOC=intron;PH=0;DS=TSPAN9:exon4;US=TSPAN9:exon3;ST=+
ID=STAB2_intron_btw_exon13_14;LOC=intron;PH=0;DS=STAB2:exon14;US=STAB2:exon13;ST=+ ID=S
ID=TRHDE_intron_btw_exon16_17;LOC=intron;PH=2;DS=TRHDE:exon17;US=TRHDE:exon16;ST=+ ID=
ID=CACNA1C_intron_btw_exon3_4;LOC=intron;PH=0;DS=CACNA1C:exon4;US=CACNA1C:exon3;ST=+
ID=PCBP2_intron_btw_exon9_10;LOC=intron;PH=0;DS=PCBP2:exon10;US=PCBP2:exon9;ST=+ ID=PCI
ID=DIP2B_intron_btw_exon10_11;LOC=intron;PH=0;DS=DIP2B:exon11;US=DIP2B:exon10;ST=+
ID=TMPO_intron_btw_exon3_4;LOC=intron;PH=1;DS=TMPO:exon4;US=TMPO:exon3;ST=+ ID=TMPO
ID=CD163L1_exon9;LOC=exon;CDS=1;ST=-
ID=EEA1_intron_btw_exon3_4;LOC=intron;PH=2;DS=EEA1:exon3;US=EEA1:exon4;ST=- ID=EEA1_exo
ID=DIP2B_intron_btw_exon1_2;LOC=intron;PH=1;DS=DIP2B:exon2;US=DIP2B:exon1;ST=+
ID=ESPL1_exon3;LOC=exon;CDS=1;ST=+
ID=12_btw_C12orf12_EPYC;LOC=intergenic;DS=EPYC;US=C12orf12
ID=12_btw_RAP1B_NUP107;LOC=intergenic;DS=NUP107;US=RAP1B
ID=12_btw_CDK2AP1_SBNO1;LOC=intergenic;DS=SBNO1;US=CDK2AP1

ID=UTP20_intron_bt看_exon24_25;LOC=intron;PH=2;DS=UTP20:exon25;US=UTP20:exon24;ST=+ ID=
 ID=12_bt看_XRCC6BP1_LRIG3;LOC=intergenic;DS=LRIG3;US=XRCC6BP1
 ID=DIP2B_exon26;LOC=exon;CDS=1;ST=+ ID=DIP2B_intron_bt看_exon26_27;LOC=intron;PH=1;DS=DI
 ID=ESPL1_intron_bt看_exon4_5;LOC=intron;PH=0;DS=ESPL1:exon5;US=ESPL1:exon4;ST=+ ID=ESPL1_
 ID=KRT6B_exon9_3utr;LOC=utr3;CDS=0;ST=- ID=KRT6B_exon9_5utr;LOC=utr5;CDS=0;ST=- ID=KRT6B_
 ID=6_bt看_CPNE5_PPIL1;LOC=intergenic;DS=PPIL1;US=CPNE5
 ID=6_bt看_TREM1_NCR2;LOC=intergenic;DS=NCR2;US=TREM1
 ID=6_bt看_C6orf106_SNRPC;LOC=intergenic;DS=SNRPC;US=C6orf106
 ID=CUL7_exon6;LOC=exon;CDS=1;ST=- ID=CUL7_intron_bt看_exon5_6;LOC=intron;PH=1;DS=CUL7:ex
 ID=PNPLA1_exon6;LOC=exon;CDS=1;ST=+
 ID=KIF6_exon19;LOC=exon;CDS=1;ST=-
 ID=4_bt看_SLC7A11_CCRN4L;LOC=intergenic;DS=CCRN4L;US=SLC7A11
 ID=PCDH10_intron_bt看_exon1_2;LOC=intron;PH=0;DS=PCDH10:exon2;US=PCDH10:exon1;ST=+ ID=I
 ID=4_bt看_IL15_INPP4B;LOC=intergenic;DS=INPP4B;US=IL15
 ID=4_bt看_SLC7A11_CCRN4L;LOC=intergenic;DS=CCRN4L;US=SLC7A11
 ID=4_bt看_C4orf33_PCDH10;LOC=intergenic;DS=PCDH10;US=C4orf33
 ID=4_bt看_PCDH10_PABPC4L;LOC=intergenic;DS=PABPC4L;US=PCDH10
 ID=4_bt看_PABPC4L_PCDH18;LOC=intergenic;DS=PCDH18;US=PABPC4L
 na
 ID=4_bt看_SLC7A11_CCRN4L;LOC=intergenic;DS=CCRN4L;US=SLC7A11
 ID=WDR31_intron_bt看_exon6_7;LOC=intron;PH=1;DS=WDR31:exon6;US=WDR31:exon7;ST=- ID=WI
 ID=AGTPBP1_intron_bt看_exon3_4;LOC=intron;PH=1;DS=AGTPBP1:exon3;US=AGTPBP1:exon4;ST=-
 ID=C9orf84_intron_bt看_exon24_25;LOC=intron;PH=0;DS=C9orf84:exon24;US=C9orf84:exon25;ST=-
 ID=CTNNAL1_intron_bt看_exon5_6;LOC=intron;PH=0;DS=CTNNAL1:exon5;US=CTNNAL1:exon6;ST=- I
 ID=LPAR1_intron_bt看_exon3_4;LOC=intron;PH=1;DS=LPAR1:exon3;US=LPAR1:exon4;ST=-
 ID=APPBP2_exon10;LOC=exon;CDS=1;ST=-
 ID=SRP54_exon12;LOC=exon;CDS=1;ST=+
 ID=EGFR_intron_bt看_exon1_2;LOC=intron;PH=1;DS=EGFR:exon2;US=EGFR:exon1;ST=+
 ID=RLN2_exon2_3utr;LOC=utr3;CDS=0;ST=- ID=RLN2_exon2_5utr;LOC=utr5;CDS=0;ST=- ID=RLN2_ex
 ID=RLN2_exon2_3utr;LOC=utr3;CDS=0;ST=- ID=RLN2_exon2_5utr;LOC=utr5;CDS=0;ST=- ID=RLN2_ex
 ID=12_bt看_TMEM132B_DKFZp434G0827;LOC=intergenic;DS=DKFZp434G0827;US=TMEM132B
 ID=10_bt看_DQ575272_ZNF33B;LOC=intergenic;DS=ZNF33B;US=DQ575272
 ID=16_bt看_SLC6A10P_FLJ43980;LOC=intergenic;DS=FLJ43980;US=SLC6A10P
 ID=16_bt看_SLC6A10P_FLJ43980;LOC=intergenic;DS=FLJ43980;US=SLC6A10P
 ID=16_bt看_SLC6A10P_FLJ43980;LOC=intergenic;DS=FLJ43980;US=SLC6A10P
 ID=19_bt看_ZNF254_UQCRFS1;LOC=intergenic;DS=UQCRFS1;US=ZNF254
 ID=21_bt看_LOC441956_LIPI;LOC=intergenic;DS=LIPI;US=LOC441956
 ID=5_bt看_SLC25A46_TSLP;LOC=intergenic;DS=TSLP;US=SLC25A46
 ID=1_bt看_LOC647121_BC071797;LOC=intergenic;DS=BC071797;US=LOC647121
 ID=1_bt看_LOC647121_BC071797;LOC=intergenic;DS=BC071797;US=LOC647121
 ID=HFM1_intron_bt看_exon4_5;LOC=intron;PH=2;DS=HFM1:exon4;US=HFM1:exon5;ST=-

ID=SIGLEC1_exon2;LOC=exon;CDS=1;ST=-
 ID=7_btw_EGFR_LANCL2;LOC=intergenic;DS=LANCL2;US=EGFR
 ID=EGFR_intron_btw_exon1_2;LOC=intron;PH=1;DS=EGFR:exon2;US=EGFR:exon1;ST=+
 ID=7_btw_VSTM2A_SEC61G;LOC=intergenic;DS=SEC61G;US=VSTM2A
 ID=BCLAF1_exon8;LOC=exon;CDS=1;ST=-
 ID=PIK3C2B_exon17;LOC=exon;CDS=1;ST=-
 ID=KCNQ4_intron_btw_exon9_10;LOC=intron;PH=2;DS=KCNQ4:exon10;US=KCNQ4:exon9;ST=+
 ID=12_btw_DYRK2_IFNG;LOC=intergenic;DS=IFNG;US=DYRK2
 ID=SLC26A10_exon6;LOC=exon;CDS=1;ST=+ ID=SLC26A10_intron_btw_exon6_7;LOC=intron;PH=0;DS=SLC26A10
 ID=12_btw_DYRK2_IFNG;LOC=intergenic;DS=IFNG;US=DYRK2
 ID=12_btw_SRGP1_C12orf66;LOC=intergenic;DS=C12orf66;US=SRGP1
 ID=METTL21B_intron_btw_exon2_3;LOC=intron;PH=1;DS=METTL21B:exon3;US=METTL21B:exon2;ST=-
 ID=12_btw_SRGP1_C12orf66;LOC=intergenic;DS=C12orf66;US=SRGP1
 ID=BEST3_exon9;LOC=exon;CDS=1;ST=- ID=BEST3_intron_btw_exon8_9;LOC=intron;PH=0;DS=BEST3
 ID=LEMD3_exon3;LOC=exon;CDS=1;ST=+ ID=LEMD3_intron_btw_exon3_4;LOC=intron;PH=1;DS=LEMD3
 ID=CCDC84_intron_btw_exon3_4;LOC=intron;PH=2;DS=CCDC84:exon4;US=CCDC84:exon3;ST=+
 ID=AARSD1_exon9;LOC=exon;CDS=1;ST=- ID=AARSD1_intron_btw_exon8_9;LOC=intron;PH=1;DS=AARSD1
 ID=CLASRP_intron_btw_exon2_3;LOC=intron;PH=0;DS=CLASRP:exon3;US=CLASRP:exon2;ST=+ ID=CLASRP
 ID=LOC388849_exon1_5utr;LOC=utr5;CDS=0;ST=- ID=22_btw_LOC388849_LOC150197;LOC=intergenic
 ID=6_btw_BC047626_SASH1;LOC=intergenic;DS=SASH1;US=BC047626
 ID=PYGM_exon16;LOC=exon;CDS=1;ST=- ID=PYGM_intron_btw_exon15_16;LOC=intron;PH=0;DS=PYGM
 ID=MFF_intron_btw_exon9_10;LOC=intron;PH=2;DS=MFF:exon10;US=MFF:exon9;ST=+
 ID=MARS_intron_btw_exon20_21;LOC=intron;PH=0;DS=MARS:exon21;US=MARS:exon20;ST=+ ID=MARS
 ID=EGFR_intron_btw_exon1_2;LOC=intron;PH=1;DS=EGFR:exon2;US=EGFR:exon1;ST=+
 ID=11_btw_IFITM5_IFITM2;LOC=intergenic;DS=IFITM2;US=IFITM5
 ID=TGM7_exon11;LOC=exon;CDS=1;ST=- ID=TGM7_intron_btw_exon10_11;LOC=intron;PH=1;DS=TGM7
 ID=5_btw_SLC25A46_TSLP;LOC=intergenic;DS=TSLP;US=SLC25A46
 ID=CENPJ_exon7;LOC=exon;CDS=1;ST=-
 ID=GUCY2D_exon3;LOC=exon;CDS=1;ST=+
 ID=BZRAP1_intron_btw_exon31_32;LOC=intron;PH=0;DS=BZRAP1:exon31;US=BZRAP1:exon32;ST=- ID=BZRAP1
 ID=7_btw_SEC61G_EGFR;LOC=intergenic;DS=EGFR;US=SEC61G
 ID=PDGFRA_exon12;LOC=exon;CDS=1;ST=+ ID=PDGFRA_intron_btw_exon12_13;LOC=intron;PH=1;DS=PDGFRA
 ID=TMEM222_intron_btw_exon2_3;LOC=intron;PH=0;DS=TMEM222:exon3;US=TMEM222:exon2;ST=-
 ID=RCC1_exon10;LOC=exon;CDS=1;ST=+ ID=RCC1_intron_btw_exon10_11;LOC=intron;PH=1;DS=RCC1
 ID=CYP27B1_exon9_3utr;LOC=utr3;CDS=0;ST=- ID=CYP27B1_exon9;LOC=exon;CDS=1;ST=- ID=CYP27B1
 ID=12_btw_FAM113B_RPAP3;LOC=intergenic;DS=RPAP3;US=FAM113B
 ID=12_btw_FAM113B_RPAP3;LOC=intergenic;DS=RPAP3;US=FAM113B
 ID=LRP1_exon25;LOC=exon;CDS=1;ST=+ ID=LRP1_intron_btw_exon25_26;LOC=intron;PH=2;DS=LRP1
 ID=CTDSP2_exon7;LOC=exon;CDS=1;ST=- ID=CTDSP2_intron_btw_exon6_7;LOC=intron;PH=0;DS=CTDSP2
 ID=ARHGAP9_exon3;LOC=exon;CDS=1;ST=- ID=ARHGAP9_intron_btw_exon2_3;LOC=intron;PH=1;DS=ARHGAP9
 ID=ARHGAP9_exon17;LOC=exon;CDS=1;ST=- ID=ARHGAP9_intron_btw_exon16_17;LOC=intron;PH=1

ID=12_btw_MSRB3_RPSAP52;LOC=intergenic;DS=RPSAP52;US=MSRB3
 ID=12_btw_FAM113B_RPAP3;LOC=intergenic;DS=RPAP3;US=FAM113B
 ID=12_btw_SLC16A7_FAM19A2;LOC=intergenic;DS=FAM19A2;US=SLC16A7
 ID=12_btw_OS9_AGAP2;LOC=intergenic;DS=AGAP2;US=OS9 ID=AGAP2_exon19_3utr;LOC=utr3;CDS=
 ID=LRP1_intron_btw_exon50_51;LOC=intron;PH=1;DS=LRP1:exon51;US=LRP1:exon50;ST=+ ID=LRP1_
 ID=12_btw_FAM113B_RPAP3;LOC=intergenic;DS=RPAP3;US=FAM113B
 ID=XRCC6BP1_exon5;LOC=exon;CDS=1;ST=+ ID=XRCC6BP1_intron_btw_exon5_6;LOC=intron;PH=0;C
 ID=12_btw_FAM113B_RPAP3;LOC=intergenic;DS=RPAP3;US=FAM113B
 ID=ANO6_intron_btw_exon11_12;LOC=intron;PH=1;DS=ANO6:exon12;US=ANO6:exon11;ST=+
 ID=12_btw_SLC16A7_FAM19A2;LOC=intergenic;DS=FAM19A2;US=SLC16A7
 ID=12_btw_FAM113B_RPAP3;LOC=intergenic;DS=RPAP3;US=FAM113B
 ID=1_btw_PLD5_CEP170;LOC=intergenic;DS=CEP170;US=PLD5
 ID=1_btw_PLD5_CEP170;LOC=intergenic;DS=CEP170;US=PLD5
 ID=YES1_intron_btw_exon6_7;LOC=intron;PH=1;DS=YES1:exon6;US=YES1:exon7;ST=- ID=YES1_exon
 ID=SLCO2A1_intron_btw_exon1_2;LOC=intron;PH=0;DS=SLCO2A1:exon1;US=SLCO2A1:exon2;ST=-
 ID=7_btw_POM121L12_VSTM2A;LOC=intergenic;DS=VSTM2A;US=POM121L12
 ID=7_btw_POM121L12_VSTM2A;LOC=intergenic;DS=VSTM2A;US=POM121L12
 ID=1_btw_WNT4_ZBTB40;LOC=intergenic;DS=ZBTB40;US=WNT4
 ID=1_btw_ID3_RPL11;LOC=intergenic;DS=RPL11;US=ID3
 na
 ID=KDM1A_exon21;LOC=exon;CDS=1;ST=+ ID=KDM1A_exon21_3utr;LOC=utr3;CDS=0;ST=+
 ID=1_btw_PLA2G2A_PLA2G5;LOC=intergenic;DS=PLA2G5;US=PLA2G2A
 ID=KDM1A_intron_btw_exon5_6;LOC=intron;PH=1;DS=KDM1A:exon6;US=KDM1A:exon5;ST=+
 ID=PINK1_intron_btw_exon3_4;LOC=intron;PH=2;DS=PINK1:exon4;US=PINK1:exon3;ST=+
 ID=1_btw_CELA3B_CDC42;LOC=intergenic;DS=CDC42;US=CELA3B
 ID=KDM1A_intron_btw_exon20_21;LOC=intron;PH=0;DS=KDM1A:exon21;US=KDM1A:exon20;ST=+ I
 ID=FAM54B_exon6;LOC=exon;CDS=1;ST=+
 ID=HSPG2_intron_btw_exon2_3;LOC=intron;PH=1;DS=HSPG2:exon2;US=HSPG2:exon3;ST=- ID=HSPG
 ID=UBR4_intron_btw_exon42_43;LOC=intron;PH=0;DS=UBR4:exon42;US=UBR4:exon43;ST=- ID=UBR
 ID=1_btw_NIPAL3_RCAN3;LOC=intergenic;DS=RCAN3;US=NIPAL3
 ID=MRM1_intron_btw_exon4_5;LOC=intron;PH=1;DS=MRM1:exon5;US=MRM1:exon4;ST=+ ID=MRM
 ID=TMBIM6_intron_btw_exon9_10;LOC=intron;PH=0;DS=TMBIM6:exon10;US=TMBIM6:exon9;ST=+
 ID=12_btw_AEBP2_PDE3A;LOC=intergenic;DS=PDE3A;US=AEBP2
 ID=SDR39U1_intron_btw_exon1_2;LOC=intron;PH=1;DS=SDR39U1:exon1;US=SDR39U1:exon2;ST=- I
 ID=UGT1A1_exon1;LOC=exon;CDS=1;ST=+
 ID=REN_intron_btw_exon8_9;LOC=intron;PH=0;DS=REN:exon8;US=REN:exon9;ST=- ID=REN_exon8;L
 ID=GALNTL1_intron_btw_exon3_4;LOC=intron;PH=2;DS=GALNTL1:exon4;US=GALNTL1:exon3;ST=+ II
 ID=EGFR_intron_btw_exon24_25;LOC=intron;PH=0;DS=EGFR:exon25;US=EGFR:exon24;ST=+ ID=EGFR
 ID=EGFR_intron_btw_exon1_2;LOC=intron;PH=1;DS=EGFR:exon2;US=EGFR:exon1;ST=+
 ID=LNK1_exon4;LOC=exon;CDS=1;ST=- ID=LNK1_intron_btw_exon3_4;LOC=intron;PH=1;DS=LNK1:ex
 na

ID=1_btw_GREM2_RGS7;LOC=intergenic;DS=RGS7;US=GREM2
 ID=PARP11_intron_btw_exon1_2;LOC=intron;PH=0;DS=PARP11:exon1;US=PARP11:exon2;ST=-
 ID=12_btw_SMAGP_BIN2;LOC=intergenic;DS=BIN2;US=SMAGP
 ID=PHF14_intron_btw_exon4_5;LOC=intron;PH=1;DS=PHF14:exon5;US=PHF14:exon4;ST=+
 ID=FOXN1_intron_btw_exon4_5;LOC=intron;PH=0;DS=FOXN1:exon4;US=FOXN1:exon5;ST=- ID=FOX
 ID=KIF5A_exon9;LOC=exon;CDS=1;ST=+ ID=KIF5A_intron_btw_exon9_10;LOC=intron;PH=0;DS=KIF5A
 ID=MARS_intron_btw_exon11_12;LOC=intron;PH=0;DS=MARS:exon12;US=MARS:exon11;ST=+
 ID=MARS_intron_btw_exon11_12;LOC=intron;PH=0;DS=MARS:exon12;US=MARS:exon11;ST=+
 ID=12_btw_CYP27B1_METTL1;LOC=intergenic;DS=METTL1;US=CYP27B1
 ID=PDE3A_intron_btw_exon1_2;LOC=intron;PH=0;DS=PDE3A:exon2;US=PDE3A:exon1;ST=+
 ID=RIPK1_exon8;LOC=exon;CDS=1;ST=+
 ID=4_btw_NAA15_RAB33B;LOC=intergenic;DS=RAB33B;US=NAA15
 ID=KIAA1797_intron_btw_exon18_19;LOC=intron;PH=0;DS=KIAA1797:exon19;US=KIAA1797:exon18
 ID=GBF1_intron_btw_exon22_23;LOC=intron;PH=2;DS=GBF1:exon23;US=GBF1:exon22;ST=+ ID=GBF
 ID=GBF1_intron_btw_exon22_23;LOC=intron;PH=2;DS=GBF1:exon23;US=GBF1:exon22;ST=+ ID=GBF
 ID=7_btw_POM121L12_VSTM2A;LOC=intergenic;DS=VSTM2A;US=POM121L12
 ID=EGFR_exon13;LOC=exon;CDS=1;ST=+ ID=EGFR_intron_btw_exon13_14;LOC=intron;PH=2;DS=EGF
 ID=EGFR_intron_btw_exon1_2;LOC=intron;PH=1;DS=EGFR:exon2;US=EGFR:exon1;ST=+
 ID=CAND1_exon5;LOC=exon;CDS=1;ST=+
 ID=CAND1_intron_btw_exon4_5;LOC=intron;PH=2;DS=CAND1:exon5;US=CAND1:exon4;ST=+ ID=CAN
 ID=NAB2_exon2;LOC=exon;CDS=1;ST=+
 ID=MDM2_intron_btw_exon7_8;LOC=intron;PH=1;DS=MDM2:exon8;US=MDM2:exon7;ST=+ ID=MD
 ID=12_btw_C12orf61_PPM1H;LOC=intergenic;DS=PPM1H;US=C12orf61
 ID=12_btw_AVPR1A_DPY19L2;LOC=intergenic;DS=DPY19L2;US=AVPR1A
 ID=LRP1_intron_btw_exon24_25;LOC=intron;PH=1;DS=LRP1:exon25;US=LRP1:exon24;ST=+ ID=LRP1
 ID=ARHGEF25_intron_btw_exon14_15;LOC=intron;PH=1;DS=ARHGEF25:exon15;US=ARHGEF25:exon
 ID=12_btw_GRIP1_CAND1;LOC=intergenic;DS=CAND1;US=GRIP1
 ID=12_btw_GRIP1_CAND1;LOC=intergenic;DS=CAND1;US=GRIP1
 ID=SHMT2_intron_btw_exon8_9;LOC=intron;PH=0;DS=SHMT2:exon9;US=SHMT2:exon8;ST=+ ID=SHI
 ID=CYP27B1_intron_btw_exon8_9;LOC=intron;PH=0;DS=CYP27B1:exon8;US=CYP27B1:exon9;ST=- ID
 ID=12_btw_LOC100130776_TSPAN31;LOC=intergenic;DS=TSPAN31;US=LOC100130776 ID=AGAP2_ir
 ID=12_btw_PPM1H_AVPR1A;LOC=intergenic;DS=AVPR1A;US=PPM1H
 ID=12_btw_MDM2_CPM;LOC=intergenic;DS=CPM;US=MDM2
 ID=R3HDM2_exon20;LOC=exon;CDS=1;ST=- ID=R3HDM2_intron_btw_exon19_20;LOC=intron;PH=1;I
 ID=ARHGAP9_intron_btw_exon3_4;LOC=intron;PH=0;DS=ARHGAP9:exon3;US=ARHGAP9:exon4;ST=-
 ID=12_btw_AK128707_LLPH;LOC=intergenic;DS=LLPH;US=AK128707
 ID=OS9_exon6;LOC=exon;CDS=1;ST=+ ID=OS9_intron_btw_exon6_7;LOC=intron;PH=1;DS=OS9:exon
 ID=12_btw_ARHGAP9_MARS;LOC=intergenic;DS=MARS;US=ARHGAP9 ID=MARS_exon1_5utr;LOC=ut
 ID=12_btw_R3HDM2_INHBC;LOC=intergenic;DS=INHBC;US=R3HDM2
 ID=DPY19L2_intron_btw_exon16_17;LOC=intron;PH=2;DS=DPY19L2:exon16;US=DPY19L2:exon17;ST
 ID=SHMT2_exon9;LOC=exon;CDS=1;ST=+

ID=10_btw_MINPP1_PAPSS2;LOC=intergenic;DS=PAPSS2;US=MINPP1
 ID=HSP90AB1_exon2;LOC=exon;CDS=1;ST=+ ID=HSP90AB1_intron_btw_exon2_3;LOC=intron;PH=0;C
 ID=ARHGAP5_exon2;LOC=exon;CDS=1;ST=+
 ID=7_btw_SEC61G_EGFR;LOC=intergenic;DS=EGFR;US=SEC61G
 ID=7_btw_VSTM2A_SEC61G;LOC=intergenic;DS=SEC61G;US=VSTM2A
 ID=STOX2_intron_btw_exon1_2;LOC=intron;PH=1;DS=STOX2:exon2;US=STOX2:exon1;ST=+
 ID=2_btw_FAM171B_ZSWIM2;LOC=intergenic;DS=ZSWIM2;US=FAM171B
 ID=9_btw_SLC24A2_MLLT3;LOC=intergenic;DS=MLLT3;US=SLC24A2
 ID=FAM154A_intron_btw_exon1_2;LOC=intron;PH=2;DS=FAM154A:exon1;US=FAM154A:exon2;ST=-
 ID=7_btw_POM121L12_VSTM2A;LOC=intergenic;DS=VSTM2A;US=POM121L12
 ID=EGFR_intron_btw_exon1_2;LOC=intron;PH=1;DS=EGFR:exon2;US=EGFR:exon1;ST=+
 ID=3_btw_ZPLD1_ALCAM;LOC=intergenic;DS=ALCAM;US=ZPLD1
 ID=COPG_intron_btw_exon10_11;LOC=intron;PH=1;DS=COPG:exon11;US=COPG:exon10;ST=+ ID=CC
 ID=COPG_intron_btw_exon10_11;LOC=intron;PH=1;DS=COPG:exon11;US=COPG:exon10;ST=+ ID=CC
 ID=7_btw_SEC61G_EGFR;LOC=intergenic;DS=EGFR;US=SEC61G
 ID=POGZ_intron_btw_exon4_5;LOC=intron;PH=0;DS=POGZ:exon4;US=POGZ:exon5;ST=- ID=POGZ_e
 ID=EGFR_intron_btw_exon23_24;LOC=intron;PH=1;DS=EGFR:exon24;US=EGFR:exon23;ST=+ ID=EGFR
 ID=WRAP53_exon11;LOC=exon;CDS=1;ST=+ ID=WRAP53_exon11_3utr;LOC=utr3;CDS=0;ST=+ ID=17_
 ID=DNMT1_intron_btw_exon16_17;LOC=intron;PH=0;DS=DNMT1:exon16;US=DNMT1:exon17;ST=- I
 ID=TSPAN16_intron_btw_exon6_7;LOC=intron;PH=0;DS=TSPAN16:exon7;US=TSPAN16:exon6;ST=+ I
 ID=CERS4_intron_btw_exon2_3;LOC=intron;PH=1;DS=CERS4:exon3;US=CERS4:exon2;ST=+
 ID=ANGPTL4_intron_btw_exon3_4;LOC=intron;PH=1;DS=ANGPTL4:exon4;US=ANGPTL4:exon3;ST=+
 ID=1_btw_EMBP1_PP1AL4G;LOC=intergenic;DS=PP1AL4G;US=EMBP1
 ID=SOX6_exon3;LOC=exon;CDS=1;ST=-
 ID=INSIG1_intron_btw_exon4_5;LOC=intron;PH=2;DS=INSIG1:exon5;US=INSIG1:exon4;ST=+ ID=INSIG
 ID=EGFR_intron_btw_exon1_2;LOC=intron;PH=1;DS=EGFR:exon2;US=EGFR:exon1;ST=+
 ID=ARHGAP5_exon2;LOC=exon;CDS=1;ST=+
 ID=EGFR_intron_btw_exon17_18;LOC=intron;PH=0;DS=EGFR:exon18;US=EGFR:exon17;ST=+
 ID=THBS3_intron_btw_exon22_23;LOC=intron;PH=1;DS=THBS3:exon22;US=THBS3:exon23;ST=- ID=T
 ID=OR1L4_exon1;LOC=exon;CDS=1;ST=+
 ID=14_btw_ADAM6_immunoglobulin heavy chain;LOC=intergenic;DS=immunoglobulin heavy chain;l
 ID=RPS26_intron_btw_exon2_3;LOC=intron;PH=1;DS=RPS26:exon3;US=RPS26:exon2;ST=+ ID=RPS26
 na
 ID=2_btw_TMEM18_SNTG2;LOC=intergenic;DS=SNTG2;US=TMEM18
 ID=X_btw_OTC_TSPAN7;LOC=intergenic;DS=TSPAN7;US=OTC
 ID=RB1_intron_btw_exon9_10;LOC=intron;PH=0;DS=RB1:exon10;US=RB1:exon9;ST=+ ID=RB1_exon1
 ID=VWC2_intron_btw_exon3_4;LOC=intron;PH=1;DS=VWC2:exon4;US=VWC2:exon3;ST=+
 ID=SDK1_intron_btw_exon44_45;LOC=intron;PH=0;DS=SDK1:exon45;US=SDK1:exon44;ST=+
 ID=7_btw_WBSCR28_ELN;LOC=intergenic;DS=ELN;US=WBSCR28
 ID=12_btw_CYP1_METTL1;LOC=intergenic;DS=METTL1;US=CYP1 ID=12_btw_CYP27B1_METTL1;LOC=
 ID=SLC26A10_intron_btw_exon2_3;LOC=intron;PH=0;DS=SLC26A10:exon3;US=SLC26A10:exon2;ST=-

ID=12_bt看w_BC019026_TSPAN31;LOC=intergenic;DS=TSPAN31;US=BC019026 ID=AGAP2_intron_bt看w
ID=ACAP1_intron_bt看w_exon12_13;LOC=intron;PH=2;DS=ACAP1:exon13;US=ACAP1:exon12;ST=+ ID=
ID=ACAP1_intron_bt看w_exon14_15;LOC=intron;PH=2;DS=ACAP1:exon15;US=ACAP1:exon14;ST=+
ID=PITPNM3_intron_bt看w_exon14_15;LOC=intron;PH=0;DS=PITPNM3:exon14;US=PITPNM3:exon15;S
ID=KIAA0753_intron_bt看w_exon6_7;LOC=intron;PH=0;DS=KIAA0753:exon6;US=KIAA0753:exon7;ST=-
ID=2_bt看w_SOX11_CMPK2;LOC=intergenic;DS=CMPK2;US=SOX11
ID=12_bt看w_XRCC6BP1_LRIG3;LOC=intergenic;DS=LRIG3;US=XRCC6BP1
ID=LRRC66_exon4_3utr;LOC=utr3;CDS=0;ST=- ID=LRRC66_exon4_5utr;LOC=utr5;CDS=0;ST=- ID=LRRC
na
ID=TDG_exon8;LOC=exon;CDS=1;ST=+ ID=TDG_intron_bt看w_exon8_9;LOC=intron;PH=1;DS=TDG:exor
ID=TMEM218_exon4_3utr;LOC=utr3;CDS=0;ST=- ID=TMEM218_exon4_5utr;LOC=utr5;CDS=0;ST=- ID
ID=15_bt看w_AVEN_C15orf24;LOC=intergenic;DS=C15orf24;US=AVEN
ID=EGFR_intron_bt看w_exon1_2;LOC=intron;PH=1;DS=EGFR:exon2;US=EGFR:exon1;ST=+
ID=7_bt看w_SEC61G_EGFR;LOC=intergenic;DS=EGFR;US=SEC61G
ID=KIF1B_intron_bt看w_exon23_24;LOC=intron;PH=2;DS=KIF1B:exon24;US=KIF1B:exon23;ST=+ ID=KIF
ID=ACADM_intron_bt看w_exon7_8;LOC=intron;PH=2;DS=ACADM:exon8;US=ACADM:exon7;ST=+
ID=FAM44B_exon3_3utr;LOC=utr3;CDS=0;ST=- ID=FAM44B_exon3_5utr;LOC=utr5;CDS=0;ST=- ID=FA
ID=X_bt看w_STS_VCX;LOC=intergenic;DS=VCX;US=STS
ID=CSTF2_intron_bt看w_exon3_4;LOC=intron;PH=1;DS=CSTF2:exon4;US=CSTF2:exon3;ST=+ ID=CSTF2_
ID=MARS_intron_bt看w_exon9_10;LOC=intron;PH=2;DS=MARS:exon10;US=MARS:exon9;ST=+ ID=MAF
ID=12_bt看w_MARS_MBD6;LOC=intergenic;DS=MBD6;US=MARS
ID=KIF5A_intron_bt看w_exon2_3;LOC=intron;PH=1;DS=KIF5A:exon3;US=KIF5A:exon2;ST=+ ID=KIF5A_e
ID=AGAP2_intron_bt看w_exon18_19;LOC=intron;PH=0;DS=AGAP2:exon18;US=AGAP2:exon19;ST=- ID=
ID=FAM119B_intron_bt看w_exon2_3;LOC=intron;PH=1;DS=FAM119B:exon3;US=FAM119B:exon2;ST=+
ID=12_bt看w_PIP4K2C_DTX3;LOC=intergenic;DS=DTX3;US=PIP4K2C
ID=12_bt看w_XRCC6BP1_LRIG3;LOC=intergenic;DS=LRIG3;US=XRCC6BP1
ID=SNRPA1_intron_bt看w_exon1_2;LOC=intron;PH=1;DS=SNRPA1:exon1;US=SNRPA1:exon2;ST=-
ID=11_bt看w_MICAL2_MICALCL;LOC=intergenic;DS=MICALCL;US=MICAL2
ID=CNGA4_exon4;LOC=exon;CDS=1;ST=+
ID=7_bt看w_VSTM2A_SEC61G;LOC=intergenic;DS=SEC61G;US=VSTM2A
ID=5_bt看w_AX747550_COMMD10;LOC=intergenic;DS=COMMD10;US=AX747550 ID=LVRN_intron_bt
ID=NTRK1_intron_bt看w_exon8_9;LOC=intron;PH=1;DS=NTRK1:exon9;US=NTRK1:exon8;ST=+ ID=NTRK
ID=15_bt看w_MCTP2_NR2F2;LOC=intergenic;DS=NR2F2;US=MCTP2
ID=SPATA8_exon1;LOC=exon;CDS=1;ST=+
ID=CELSR2_exon21;LOC=exon;CDS=1;ST=+ ID=CELSR2_intron_bt看w_exon21_22;LOC=intron;PH=2;DS=
ID=TCF25_intron_bt看w_exon3_4;LOC=intron;PH=0;DS=TCF25:exon4;US=TCF25:exon3;ST=+ ID=TCF25_
ID=7_bt看w_SEC61G_EGFR;LOC=intergenic;DS=EGFR;US=SEC61G
ID=1_bt看w_C1orf93_ACTRT2;LOC=intergenic;DS=ACTRT2;US=C1orf93 ID=1_bt看w_MMEL1_ACTRT2;LO
ID=7_bt看w_SEC61G_EGFR;LOC=intergenic;DS=EGFR;US=SEC61G
ID=7_bt看w_SEC61G_EGFR;LOC=intergenic;DS=EGFR;US=SEC61G
ID=AEBP1_exon21;LOC=exon;CDS=1;ST=+

ID=7_btw_SEC61G_EGFR;LOC=intergenic;DS=EGFR;US=SEC61G
 ID=7_btw_SEC61G_EGFR;LOC=intergenic;DS=EGFR;US=SEC61G
 ID=EGFR_intron_btw_exon1_2;LOC=intron;PH=1;DS=EGFR:exon2;US=EGFR:exon1;ST=+
 ID=EGFR_intron_btw_exon1_2;LOC=intron;PH=1;DS=EGFR:exon2;US=EGFR:exon1;ST=+
 ID=ERAP2_exon4;LOC=exon;CDS=1;ST=+
 na
 ID=KIAA1026_intron_btw_exon2_3;LOC=intron;PH=1;DS=KIAA1026:exon3;US=KIAA1026:exon2;ST=+
 ID=FBXO43_exon5_3utr;LOC=utr3;CDS=0;ST=- ID=FBXO43_exon5_5utr;LOC=utr5;CDS=0;ST=- ID=FBX
 ID=MMP27_intron_btw_exon2_3;LOC=intron;PH=2;DS=MMP27:exon2;US=MMP27:exon3;ST=- ID=M
 ID=ROS1_intron_btw_exon35_36;LOC=intron;PH=2;DS=ROS1:exon35;US=ROS1:exon36;ST=- ID=ROS
 ID=MARCH9_intron_btw_exon1_2;LOC=intron;PH=0;DS=MARCH9:exon2;US=MARCH9:exon1;ST=+ II
 ID=FBXL10_intron_btw_exon12_13;LOC=intron;PH=0;DS=FBXL10:exon12;US=FBXL10:exon13;ST=-
 ID=12_btw_BC019026_TSPAN31;LOC=intergenic;DS=TSPAN31;US=BC019026 ID=AGAP2_intron_btw
 ID=C12orf49_intron_btw_exon1_2;LOC=intron;PH=0;DS=C12orf49:exon1;US=C12orf49:exon2;ST=- II
 ID=2_btw_MGC50273_GPR39;LOC=intergenic;DS=GPR39;US=MGC50273
 ID=GBP7_exon10;LOC=exon;CDS=1;ST=-
 ID=PPM1H_intron_btw_exon2_3;LOC=intron;PH=0;DS=PPM1H:exon2;US=PPM1H:exon3;ST=-
 ID=12_btw_CNTN1_PDZRN4;LOC=intergenic;DS=PDZRN4;US=CNTN1
 ID=TACC3_exon9;LOC=exon;CDS=1;ST=+ ID=TACC3_intron_btw_exon9_10;LOC=intron;PH=0;DS=TAC
 ID=1_btw_FLVCR1_VASH2;LOC=intergenic;DS=VASH2;US=FLVCR1
 ID=SKA3_exon7;LOC=exon;CDS=1;ST=-
 ID=19_btw_BTBD2_MKNK2;LOC=intergenic;DS=MKNK2;US=BTBD2
 ID=EMID1_intron_btw_exon12_13;LOC=intron;PH=0;DS=EMID1:exon13;US=EMID1:exon12;ST=+
 ID=SEPT14_intron_btw_exon9_10;LOC=intron;PH=0;DS=SEPT14:exon9;US=SEPT14:exon10;ST=-
 ID=MYSM1_exon10;LOC=exon;CDS=1;ST=-
 ID=MARS_intron_btw_exon13_14;LOC=intron;PH=0;DS=MARS:exon14;US=MARS:exon13;ST=+ ID=M
 ID=AGAP2_exon5;LOC=exon;CDS=1;ST=- ID=AGAP2_intron_btw_exon4_5;LOC=intron;PH=0;DS=AGA
 ID=PUS7_intron_btw_exon8_9;LOC=intron;PH=0;DS=PUS7:exon8;US=PUS7:exon9;ST=- ID=PUS7_exc
 ID=INHBA_exon2;LOC=exon;CDS=1;ST=- ID=INHBA_exon2_5utr;LOC=utr5;CDS=0;ST=- ID=INHBA_intr
 ID=11_btw_ALDH3B2_FAM86C2P;LOC=intergenic;DS=FAM86C2P;US=ALDH3B2
 ID=EGFR_intron_btw_exon1_2;LOC=intron;PH=1;DS=EGFR:exon2;US=EGFR:exon1;ST=+
 ID=PRKRA_exon5;LOC=exon;CDS=1;ST=- ID=PRKRA_intron_btw_exon4_5;LOC=intron;PH=0;DS=PRKR
 ID=PCBP1_exon1;LOC=exon;CDS=1;ST=+
 ID=7_btw_TPK1_CNTNAP2;LOC=intergenic;DS=CNTNAP2;US=TPK1
 ID=7_btw_VSTM2A_SEC61G;LOC=intergenic;DS=SEC61G;US=VSTM2A
 ID=TNFRSF14_intron_btw_exon6_7;LOC=intron;PH=1;DS=TNFRSF14:exon7;US=TNFRSF14:exon6;ST=
 ID=NBPF1_exon30_3utr;LOC=utr3;CDS=0;ST=- ID=NBPF1_exon30;LOC=exon;CDS=1;ST=- ID=NBPF1_i
 ID=SRGAP3_intron_btw_exon12_13;LOC=intron;PH=0;DS=SRGAP3:exon12;US=SRGAP3:exon13;ST=-
 ID=12_btw_BC019026_TSPAN31;LOC=intergenic;DS=TSPAN31;US=BC019026 ID=AGAP2_intron_btw
 ID=AARS_exon10;LOC=exon;CDS=1;ST=-
 ID=7_btw_SEC61G_EGFR;LOC=intergenic;DS=EGFR;US=SEC61G

na

ID=16_btw_CR749545_ERCC4;LOC=intergenic;DS=ERCC4;US=CR749545

ID=EEF2_intron_btw_exon11_12;LOC=intron;PH=0;DS=EEF2:exon11;US=EEF2:exon12;ST=- ID=EEF2_

ID=19_btw_ARID3A_WDR18;LOC=intergenic;DS=WDR18;US=ARID3A

ID=7_btw_EGFR_LANCL2;LOC=intergenic;DS=LANCL2;US=EGFR

ID=C5orf32_intron_btw_exon2_3;LOC=intron;PH=1;DS=C5orf32:exon3;US=C5orf32:exon2;ST=+

ID=2_btw_MGC50273_GPR39;LOC=intergenic;DS=GPR39;US=MGC50273

ID=EGFR_intron_btw_exon1_2;LOC=intron;PH=1;DS=EGFR:exon2;US=EGFR:exon1;ST=+

na

ID=7_btw_SEC61G_EGFR;LOC=intergenic;DS=EGFR;US=SEC61G

ID=16_btw_SLC6A10P_FLJ43980;LOC=intergenic;DS=FLJ43980;US=SLC6A10P

ID=7_btw_SEC61G_EGFR;LOC=intergenic;DS=EGFR;US=SEC61G

ID=EGFR_intron_btw_exon26_27;LOC=intron;PH=0;DS=EGFR:exon27;US=EGFR:exon26;ST=+ ID=EGFR

ID=18_btw_TCF4_TXNL1;LOC=intergenic;DS=TXNL1;US=TCF4

ID=ROS1_intron_btw_exon35_36;LOC=intron;PH=2;DS=ROS1:exon35;US=ROS1:exon36;ST=- ID=ROS1

ID=8_btw_KHDRBS3_FAM135B;LOC=intergenic;DS=FAM135B;US=KHDRBS3

ID=UTS2_intron_btw_exon2_3;LOC=intron;PH=1;DS=UTS2:exon2;US=UTS2:exon3;ST=- ID=UTS2_exo

ID=ADAM11_exon3;LOC=exon;CDS=1;ST=+ ID=ADAM11_intron_btw_exon3_4;LOC=intron;PH=2;DS=

ID=ALG11_intron_btw_exon1_2;LOC=intron;PH=2;DS=ALG11:exon2;US=ALG11:exon1;ST=+

ID=16_btw_ZFHX3_PSMD7;LOC=intergenic;DS=PSMD7;US=ZFHX3

ID=7_btw_SEC61G_EGFR;LOC=intergenic;DS=EGFR;US=SEC61G

ID=7_btw_DKFZp564N2472_HPVC1;LOC=intergenic;DS=HPVC1;US=DKFZp564N2472

ID=SLMO2_exon2;LOC=exon;CDS=1;ST=-

ID=EGFR_intron_btw_exon17_18;LOC=intron;PH=0;DS=EGFR:exon18;US=EGFR:exon17;ST=+

ID=NPY5R_exon4;LOC=exon;CDS=1;ST=+

ID=4_btw_GSX2_PDGFRA;LOC=intergenic;DS=PDGFRA;US=GSX2

ID=KCNMA1_intron_btw_exon1_2;LOC=intron;PH=0;DS=KCNMA1:exon1;US=KCNMA1:exon2;ST=-

ID=HNRNPM_intron_btw_exon2_3;LOC=intron;PH=1;DS=HNRNPM:exon3;US=HNRNPM:exon2;ST=+

ID=CYP2B6_intron_btw_exon7_8;LOC=intron;PH=0;DS=CYP2B6:exon8;US=CYP2B6:exon7;ST=+ ID=CYP2B6

ID=ATF4_exon3;LOC=exon;CDS=1;ST=+

ID=UBXN7_intron_btw_exon3_4;LOC=intron;PH=1;DS=UBXN7:exon3;US=UBXN7:exon4;ST=- ID=UBXN7

ID=ACCN1_intron_btw_exon1_2;LOC=intron;PH=0;DS=ACCN1:exon1;US=ACCN1:exon2;ST=-

ID=1_btw_C1orf93_ACTRT2;LOC=intergenic;DS=ACTRT2;US=C1orf93 ID=1_btw_MMEL1_ACTRT2;LOC=

ID=6_btw_C6orf10_HLA-DRB5;LOC=intergenic;DS=HLA-DRB5;US=C6orf10

ID=KCNA2_intron_btw_exon10_11;LOC=intron;PH=1;DS=KCNA2:exon11;US=KCNA2:exon10;ST=-

ID=11_btw_AB231752_C11orf84;LOC=intergenic;DS=C11orf84;US=AB231752

ID=20_btw_LBP_KIAA1219;LOC=intergenic;DS=KIAA1219;US=LBP

ID=EGFR_intron_btw_exon1_2;LOC=intron;PH=1;DS=EGFR:exon2;US=EGFR:exon1;ST=+

ID=EGFR_intron_btw_exon12_13;LOC=intron;PH=1;DS=EGFR:exon13;US=EGFR:exon12;ST=+ ID=EGFR

ID=7_btw_SEC61G_EGFR;LOC=intergenic;DS=EGFR;US=SEC61G

ID=BCLA1_exon4;LOC=exon;CDS=1;ST=- ID=BCLA1_intron_btw_exon3_4;LOC=intron;PH=2;DS=BCLA1

ID=SPTB_exon10;LOC=exon;CDS=1;ST=- ID=SPTB_intron_bt看_exon9_10;LOC=intron;PH=0;DS=SPTB:exon10;US=SPTB:exon10;ST=-
 ID=DENND1A_intron_bt看_exon20_21;LOC=intron;PH=2;DS=DENND1A:exon20;US=DENND1A:exon20;ST=- ID=DENND1A_exon21;LOC=exon;CDS=1;ST=-
 ID=RABGAP1_intron_bt看_exon13_14;LOC=intron;PH=0;DS=RABGAP1:exon14;US=RABGAP1:exon13;ST=- ID=RABGAP1_exon14;LOC=exon;CDS=1;ST=-
 ID=METTL2A_exon3;LOC=exon;CDS=1;ST=+ ID=METTL2A_intron_bt看_exon2_3;LOC=intron;PH=0;DS=METTL2A:exon3;US=METTL2A:exon2;ST=-
 ID=PDCD11_intron_bt看_exon24_25;LOC=intron;PH=1;DS=PDCD11:exon25;US=PDCD11:exon24;ST=- ID=PDCD11_exon24;LOC=exon;CDS=1;ST=-
 ID=ACTB_exon6_3utr;LOC=utr3;CDS=0;ST=- ID=ACTB_exon6;LOC=exon;CDS=1;ST=- ID=ACTB_intron_bt看_exon5_6;LOC=intron;PH=0;DS=ACTB:exon6;US=ACTB:exon5;ST=-
 ID=ARHGEF10L_exon8;LOC=exon;CDS=1;ST=+ ID=ARHGEF10L_intron_bt看_exon8_9;LOC=intron;PH=0;DS=ARHGEF10L:exon8;US=ARHGEF10L:exon8;ST=-
 na
 ID=14_bt看_FSCB_C14orf28;LOC=intergenic;DS=C14orf28;US=FSCB
 ID=CAMTA1_intron_bt看_exon4_5;LOC=intron;PH=2;DS=CAMTA1:exon5;US=CAMTA1:exon4;ST=+ ID=CAMTA1_exon4;LOC=exon;CDS=1;ST=+
 ID=12_bt看_SPRYD4_RBMS2;LOC=intergenic;DS=RBMS2;US=SPRYD4 ID=12_bt看_GLS2_RBMS2;LOC=intergenic;DS=RBMS2;US=GLS2
 ID=14_bt看_C14orf166B_C14orf4;LOC=intergenic;DS=C14orf4;US=C14orf166B
 ID=APOB_exon26;LOC=exon;CDS=1;ST=- ID=APOB_intron_bt看_exon25_26;LOC=intron;PH=0;DS=APOB:exon26;US=APOB:exon25;ST=-
 ID=12_bt看_DYRK2_IFNG;LOC=intergenic;DS=IFNG;US=DYRK2
 ID=PIK3C2B_intron_bt看_exon9_10;LOC=intron;PH=0;DS=PIK3C2B:exon9;US=PIK3C2B:exon10;ST=- ID=PIK3C2B_exon10;LOC=exon;CDS=1;ST=-
 ID=7_bt看_BMPER_NPSR1;LOC=intergenic;DS=NPSR1;US=BMPER
 ID=ESRRG_exon5;LOC=exon;CDS=1;ST=- ID=ESRRG_intron_bt看_exon4_5;LOC=intron;PH=1;DS=ESRRG:exon5;US=ESRRG:exon4;ST=-
 ID=INTS3_exon14;LOC=exon;CDS=1;ST=+ ID=INTS3_intron_bt看_exon13_14;LOC=intron;PH=0;DS=INTS3:exon14;US=INTS3:exon13;ST=-
 ID=RIT1_exon6_3utr;LOC=utr3;CDS=0;ST=- ID=RIT1_exon6_5utr;LOC=utr5;CDS=0;ST=- ID=RIT1_exon6;LOC=exon;CDS=1;ST=-
 ID=FMN2_intron_bt看_exon2_3;LOC=intron;PH=0;DS=FMN2:exon3;US=FMN2:exon2;ST=+ ID=FMN2_exon2;LOC=exon;CDS=1;ST=+
 ID=PARK7_intron_bt看_exon6_7;LOC=intron;PH=1;DS=PARK7:exon7;US=PARK7:exon6;ST=+ ID=PARK7_exon6;LOC=exon;CDS=1;ST=+
 ID=AVIL_exon13;LOC=exon;CDS=1;ST=- ID=AVIL_intron_bt看_exon12_13;LOC=intron;PH=0;DS=AVIL:exon13;US=AVIL:exon12;ST=-
 ID=PPM1H_intron_bt看_exon4_5;LOC=intron;PH=2;DS=PPM1H:exon4;US=PPM1H:exon5;ST=- ID=PPM1H_exon4;LOC=exon;CDS=1;ST=-
 ID=AVIL_exon19_3utr;LOC=utr3;CDS=0;ST=- ID=AVIL_exon19_5utr;LOC=utr5;CDS=0;ST=- ID=AVIL_exon19;LOC=exon;CDS=1;ST=-
 ID=NUP107_exon26;LOC=exon;CDS=1;ST=+ ID=NUP107_intron_bt看_exon26_27;LOC=intron;PH=0;DS=NUP107:exon26;US=NUP107:exon26;ST=-
 ID=AVIL_exon19_3utr;LOC=utr3;CDS=0;ST=- ID=AVIL_exon19_5utr;LOC=utr5;CDS=0;ST=- ID=AVIL_exon19;LOC=exon;CDS=1;ST=-
 ID=EGFR_intron_bt看_exon8_9;LOC=intron;PH=1;DS=EGFR:exon9;US=EGFR:exon8;ST=+ ID=EGFR_exon8;LOC=exon;CDS=1;ST=+
 ID=EGFR_intron_bt看_exon8_9;LOC=intron;PH=1;DS=EGFR:exon9;US=EGFR:exon8;ST=+ ID=EGFR_exon9;LOC=exon;CDS=1;ST=+
 na
 ID=ZCCHC7_exon9_3utr;LOC=utr3;CDS=0;ST=+ ID=9_bt看_ZCCHC7_GRHPR;LOC=intergenic;DS=GRHPR;US=ZCCHC7
 ID=ARHGAP5_exon2;LOC=exon;CDS=1;ST=+ ID=ARHGAP5_intron_bt看_exon1_2;LOC=intron;PH=0;DS=ARHGAP5:exon2;US=ARHGAP5:exon1;ST=-
 ID=7_bt看_SEC61G_EGFR;LOC=intergenic;DS=EGFR;US=SEC61G
 ID=EGFR_intron_bt看_exon1_2;LOC=intron;PH=1;DS=EGFR:exon2;US=EGFR:exon1;ST=+ ID=EGFR_exon1;LOC=exon;CDS=1;ST=+
 ID=7_bt看_SEC61G_EGFR;LOC=intergenic;DS=EGFR;US=SEC61G
 ID=RFC1_intron_bt看_exon9_10;LOC=intron;PH=0;DS=RFC1:exon9;US=RFC1:exon10;ST=- ID=RFC1_exon10;LOC=exon;CDS=1;ST=-
 ID=8_bt看_WDYHV1_FBXO32;LOC=intergenic;DS=FBXO32;US=WDYHV1
 ID=EGFR_intron_bt看_exon1_2;LOC=intron;PH=1;DS=EGFR:exon2;US=EGFR:exon1;ST=+ ID=EGFR_exon1;LOC=exon;CDS=1;ST=+
 ID=18_bt看_TUB4q_USP14;LOC=intergenic;DS=USP14;US=TUB4q
 ID=21_bt看_C21orf91_CHODL;LOC=intergenic;DS=CHODL;US=C21orf91
 ID=HSPA13_exon5_3utr;LOC=utr3;CDS=0;ST=- ID=HSPA13_exon5_5utr;LOC=utr5;CDS=0;ST=- ID=HSPA13_exon5;LOC=exon;CDS=1;ST=-
 ID=21_bt看_C21orf91_CHODL;LOC=intergenic;DS=CHODL;US=C21orf91

ID=21_btw_C21orf91_CHODL;LOC=intergenic;DS=CHODL;US=C21orf91
 ID=7_btw_DKFZp564N2472_HPVC1;LOC=intergenic;DS=HPVC1;US=DKFZp564N2472
 ID=DEPDC5_exon8;LOC=exon;CDS=1;ST=+
 ID=AK2_intron_btw_exon5_6;LOC=intron;PH=0;DS=AK2:exon5;US=AK2:exon6;ST=- ID=AK2_exon5;L
 ID=DPY19L3_exon9;LOC=exon;CDS=1;ST=+ ID=DPY19L3_intron_btw_exon9_10;LOC=intron;PH=0;DS:
 na
 ID=GLT8D2_intron_btw_exon6_7;LOC=intron;PH=0;DS=GLT8D2:exon6;US=GLT8D2:exon7;ST=- ID=GL
 ID=12_btw_BC019026_TSPAN31;LOC=intergenic;DS=TSPAN31;US=BC019026 ID=12_btw_AGAP2_TSI
 ID=ARHGAP5_exon2;LOC=exon;CDS=1;ST=+
 ID=BCLAF1_exon9;LOC=exon;CDS=1;ST=- ID=BCLAF1_intron_btw_exon8_9;LOC=intron;PH=0;DS=BCL
 ID=12_btw_SLC2A3_FOXJ2;LOC=intergenic;DS=FOXJ2;US=SLC2A3
 ID=12_btw_CNTN1_PDZRN4;LOC=intergenic;DS=PDZRN4;US=CNTN1
 ID=PDZRN4_intron_btw_exon1_2;LOC=intron;PH=0;DS=PDZRN4:exon2;US=PDZRN4:exon1;ST=+
 ID=GRIK4_intron_btw_exon1_2;LOC=intron;PH=1;DS=GRIK4:exon2;US=GRIK4:exon1;ST=+
 ID=BCL6B_exon7;LOC=exon;CDS=1;ST=+ ID=BCL6B_intron_btw_exon7_8;LOC=intron;PH=0;DS=BCL6B
 ID=BCL6B_intron_btw_exon6_7;LOC=intron;PH=1;DS=BCL6B:exon7;US=BCL6B:exon6;ST=+ ID=BCL6B
 ID=L2HGDH_intron_btw_exon4_5;LOC=intron;PH=0;DS=L2HGDH:exon4;US=L2HGDH:exon5;ST=- ID=
 ID=19_btw_ACTN4_LGALS7;LOC=intergenic;DS=LGALS7;US=ACTN4 ID=CAPN12_intron_btw_exon5_6
 ID=19_btw_ACTN4_LGALS7;LOC=intergenic;DS=LGALS7;US=ACTN4 ID=CAPN12_intron_btw_exon5_6
 ID=2_btw_APOB_FLJ14106;LOC=intergenic;DS=FLJ14106;US=APOB
 ID=SRGAP1_intron_btw_exon11_12;LOC=intron;PH=2;DS=SRGAP1:exon12;US=SRGAP1:exon11;ST=+
 ID=AGAP2_intron_btw_exon15_16;LOC=intron;PH=0;DS=AGAP2:exon15;US=AGAP2:exon16;ST=- ID=
 ID=12_btw_MDM1_RAP1B;LOC=intergenic;DS=RAP1B;US=MDM1
 ID=ITGA4_exon25;LOC=exon;CDS=1;ST=+
 ID=KRT2_intron_btw_exon1_2;LOC=intron;PH=0;DS=KRT2:exon1;US=KRT2:exon2;ST=- ID=KRT2_exon
 ID=TDG_exon8;LOC=exon;CDS=1;ST=+ ID=TDG_intron_btw_exon8_9;LOC=intron;PH=1;DS=TDG:exon
 ID=ZDHHC7_intron_btw_exon3_4;LOC=intron;PH=0;DS=ZDHHC7:exon3;US=ZDHHC7:exon4;ST=-
 ID=7_btw_SEC61G_EGFR;LOC=intergenic;DS=EGFR;US=SEC61G
 ID=NR3C1_intron_btw_exon3_4;LOC=intron;PH=1;DS=NR3C1:exon3;US=NR3C1:exon4;ST=- ID=NR3C
 ID=9_btw_CDKN2B_DMRTA1;LOC=intergenic;DS=DMRTA1;US=CDKN2B
 ID=RTTN_intron_btw_exon25_26;LOC=intron;PH=2;DS=RTTN:exon25;US=RTTN:exon26;ST=-
 ID=DNAH11_exon15;LOC=exon;CDS=1;ST=+ ID=DNAH11_intron_btw_exon15_16;LOC=intron;PH=0;C
 ID=9_btw_RCL1_JAK2;LOC=intergenic;DS=JAK2;US=RCL1
 ID=INHBA_intron_btw_exon2_3;LOC=intron;PH=1;DS=INHBA:exon2;US=INHBA:exon3;ST=-
 ID=EGFR_intron_btw_exon17_18;LOC=intron;PH=0;DS=EGFR:exon18;US=EGFR:exon17;ST=+ ID=EGFR
 ID=NOD1_exon5;LOC=exon;CDS=1;ST=-
 ID=SGMS1_intron_btw_exon8_9;LOC=intron;PH=0;DS=SGMS1:exon8;US=SGMS1:exon9;ST=- ID=SGN
 ID=MED1_exon17;LOC=exon;CDS=1;ST=-
 ID=16_btw_ZNF423_TMEM188;LOC=intergenic;DS=TMEM188;US=ZNF423
 ID=PRKCB_intron_btw_exon10_11;LOC=intron;PH=0;DS=PRKCB:exon11;US=PRKCB:exon10;ST=+
 ID=OS9_intron_btw_exon6_7;LOC=intron;PH=1;DS=OS9:exon7;US=OS9:exon6;ST=+ ID=OS9_exon7;L

ID=TTLL5_intron_btw_exon27_28;LOC=intron;PH=0;DS=TTLL5:exon28;US=TTLL5:exon27;ST=+
 ID=SPTB_exon13;LOC=exon;CDS=1;ST=-
 ID=TTLL5_intron_btw_exon18_19;LOC=intron;PH=2;DS=TTLL5:exon19;US=TTLL5:exon18;ST=+
 ID=PLEKHH1_intron_btw_exon18_19;LOC=intron;PH=0;DS=PLEKHH1:exon19;US=PLEKHH1:exon18;ST=+
 ID=14_btw_SLC35F4_C14orf37;LOC=intergenic;DS=C14orf37;US=SLC35F4
 ID=14_btw_SLC35F4_C14orf37;LOC=intergenic;DS=C14orf37;US=SLC35F4
 ID=ABCD4_intron_btw_exon11_12;LOC=intron;PH=2;DS=ABCD4:exon11;US=ABCD4:exon12;ST=- ID=ABCD4
 ID=1_btw_CR625159_CCDC19;LOC=intergenic;DS=CCDC19;US=CR625159 ID=VSIG8_intron_btw_exon11_12;LOC=intron;PH=2;DS=VSIG8:exon11;US=VSIG8:exon12;ST=-
 ID=SRRM1_intron_btw_exon16_17;LOC=intron;PH=0;DS=SRRM1:exon17;US=SRRM1:exon16;ST=+
 ID=ARHGAP5_exon2;LOC=exon;CDS=1;ST=+
 ID=TDG_exon8;LOC=exon;CDS=1;ST=+ ID=TDG_intron_btw_exon8_9;LOC=intron;PH=1;DS=TDG:exon8;US=TDG:exon9;ST=+
 ID=EGFR_intron_btw_exon24_25;LOC=intron;PH=0;DS=EGFR:exon25;US=EGFR:exon24;ST=+ ID=EGFR
 ID=2_btw_MGC50273_GPR39;LOC=intergenic;DS=GPR39;US=MGC50273
 ID=BCL2L14_exon2_5utr;LOC=utr5;CDS=0;ST=+ ID=BCL2L14_exon2;LOC=exon;CDS=1;ST=+
 ID=12_btw_KCNJ8_ABCC9;LOC=intergenic;DS=ABCC9;US=KCNJ8
 ID=12_btw_KCNJ8_ABCC9;LOC=intergenic;DS=ABCC9;US=KCNJ8
 ID=FABP3_intron_btw_exon3_4;LOC=intron;PH=0;DS=FABP3:exon3;US=FABP3:exon4;ST=- ID=FABP3
 ID=9_btw_DBC1_CDK5RAP2;LOC=intergenic;DS=CDK5RAP2;US=DBC1
 ID=3_btw_RPL39L_RTP1;LOC=intergenic;DS=RTP1;US=RPL39L
 ID=8_btw_TSPYL5_MTDH;LOC=intergenic;DS=MTDH;US=TSPYL5
 ID=12_btw_CLEC4E_AICDA;LOC=intergenic;DS=AICDA;US=CLEC4E
 ID=SGPL1_intron_btw_exon13_14;LOC=intron;PH=2;DS=SGPL1:exon14;US=SGPL1:exon13;ST=+
 ID=EGFR_intron_btw_exon1_2;LOC=intron;PH=1;DS=EGFR:exon2;US=EGFR:exon1;ST=+
 ID=EGFR_intron_btw_exon17_18;LOC=intron;PH=0;DS=EGFR:exon18;US=EGFR:exon17;ST=+
 ID=C1orf71_exon9;LOC=exon;CDS=1;ST=+
 ID=ATP1A2_intron_btw_exon11_12;LOC=intron;PH=0;DS=ATP1A2:exon12;US=ATP1A2:exon11;ST=+
 ID=NTAN1_exon10_3utr;LOC=utr3;CDS=0;ST=- ID=NTAN1_exon10_5utr;LOC=utr5;CDS=0;ST=- ID=NTAN1
 ID=SEPT14_intron_btw_exon9_10;LOC=intron;PH=0;DS=SEPT14:exon9;US=SEPT14:exon10;ST=-
 ID=CREB5_intron_btw_exon5_6;LOC=intron;PH=2;DS=CREB5:exon6;US=CREB5:exon5;ST=+
 ID=15_btw_TJP1_AK310526;LOC=intergenic;DS=AK310526;US=TJP1
 ID=ABCB5_intron_btw_exon20_21;LOC=intron;PH=0;DS=ABCB5:exon21;US=ABCB5:exon20;ST=+
 ID=SP4_exon3;LOC=exon;CDS=1;ST=+
 ID=16_btw_SLC6A10P_FLJ43980;LOC=intergenic;DS=FLJ43980;US=SLC6A10P
 ID=HCN2_exon3;LOC=exon;CDS=1;ST=+ ID=HCN2_intron_btw_exon3_4;LOC=intron;PH=0;DS=HCN2:exon3;US=HCN2:exon4;ST=+
 ID=ZNF419_exon4;LOC=exon;CDS=1;ST=+ ID=ZNF419_intron_btw_exon4_5;LOC=intron;PH=1;DS=ZNF419:exon4;US=ZNF419:exon5;ST=+
 ID=EGFR_intron_btw_exon1_2;LOC=intron;PH=1;DS=EGFR:exon2;US=EGFR:exon1;ST=+
 ID=NFKBIA_intron_btw_exon5_6;LOC=intron;PH=0;DS=NFKBIA:exon5;US=NFKBIA:exon6;ST=- ID=NFKBIA
 ID=LOC389435_exon1_3utr;LOC=utr3;CDS=0;ST=- ID=LOC389435_exon1;LOC=exon;CDS=1;ST=- ID=LOC389435
 ID=DIS3L2_intron_btw_exon16_17;LOC=intron;PH=0;DS=DIS3L2:exon17;US=DIS3L2:exon16;ST=+
 ID=EGFR_intron_btw_exon1_2;LOC=intron;PH=1;DS=EGFR:exon2;US=EGFR:exon1;ST=+
 ID=5_btw_SLC25A46_TSLP;LOC=intergenic;DS=TSLP;US=SLC25A46

ID=ANO9_intron_btw_exon5_6;LOC=intron;PH=1;DS=ANO9:exon5;US=ANO9:exon6;ST=-
 ID=HRAS_exon4;LOC=exon;CDS=1;ST=- ID=HRAS_intron_btw_exon3_4;LOC=intron;PH=2;DS=HRAS:e
 ID=KRTAP5-6_exon1;LOC=exon;CDS=1;ST=+
 ID=DCHS1_exon21_3utr;LOC=utr3;CDS=0;ST=- ID=DCHS1_exon21_5utr;LOC=utr5;CDS=0;ST=- ID=DCI
 ID=19_btw_PLA2G4C_LIG1;LOC=intergenic;DS=LIG1;US=PLA2G4C
 ID=TFAP2A_exon2;LOC=exon;CDS=1;ST=-
 ID=EGFR_intron_btw_exon24_25;LOC=intron;PH=0;DS=EGFR:exon25;US=EGFR:exon24;ST=+ ID=EGF
 ID=7_btw_GASP_FKBP9L;LOC=intergenic;DS=FKBP9L;US=GASP ID=7_btw_ECOP_FKBP9L;LOC=interge
 ID=EGFR_intron_btw_exon24_25;LOC=intron;PH=0;DS=EGFR:exon25;US=EGFR:exon24;ST=+ ID=EGF
 ID=1_btw_STMN1_PAFAH2;LOC=intergenic;DS=PAFAH2;US=STMN1
 ID=1_btw_HMGN2_RPS6KA1;LOC=intergenic;DS=RPS6KA1;US=HMGN2
 ID=NUP160_exon33;LOC=exon;CDS=1;ST=- ID=NUP160_intron_btw_exon32_33;LOC=intron;PH=2;DS
 ID=METTL2A_exon3;LOC=exon;CDS=1;ST=+
 ID=UNC13B_intron_btw_exon1_2;LOC=intron;PH=1;DS=UNC13B:exon2;US=UNC13B:exon1;ST=+
 ID=TSFM_exon6_3utr;LOC=utr3;CDS=0;ST=+
 ID=VPS37B_intron_btw_exon1_2;LOC=intron;PH=0;DS=VPS37B:exon1;US=VPS37B:exon2;ST=-
 ID=SGSM2_exon24_3utr;LOC=utr3;CDS=0;ST=+
 ID=7_btw_GLI3_C7orf25;LOC=intergenic;DS=C7orf25;US=GLI3
 ID=PIP4K2C_exon1;LOC=exon;CDS=1;ST=+
 ID=11_btw_OPCML_SPATA19;LOC=intergenic;DS=SPATA19;US=OPCML
 ID=19_btw_IGFL2_IGFL1;LOC=intergenic;DS=IGFL1;US=IGFL2
 ID=7_btw_VSTM2A_SEC61G;LOC=intergenic;DS=SEC61G;US=VSTM2A
 ID=PGR_exon8_3utr;LOC=utr3;CDS=0;ST=- ID=PGR_exon8_5utr;LOC=utr5;CDS=0;ST=- ID=PGR_exon8
 ID=18_btw_CDH2_DSC3;LOC=intergenic;DS=DSC3;US=CDH2
 ID=3_btw_THRB_RARB;LOC=intergenic;DS=RARB;US=THRB
 ID=SLC5A10_intron_btw_exon5_6;LOC=intron;PH=0;DS=SLC5A10:exon6;US=SLC5A10:exon5;ST=+ ID
 ID=ZNF70_exon2_3utr;LOC=utr3;CDS=0;ST=-
 ID=MMP11_exon8;LOC=exon;CDS=1;ST=+ ID=MMP11_exon8_3utr;LOC=utr3;CDS=0;ST=+
 ID=22_btw_C22orf15_MMP11;LOC=intergenic;DS=MMP11;US=C22orf15 ID=22_btw_CHCHD10_MM
 ID=TMEM57_intron_btw_exon10_11;LOC=intron;PH=1;DS=TMEM57:exon11;US=TMEM57:exon10;S
 ID=CHP_intron_btw_exon4_5;LOC=intron;PH=1;DS=CHP:exon5;US=CHP:exon4;ST=+
 ID=3_btw_SETD2_KIF9;LOC=intergenic;DS=KIF9;US=SETD2
 ID=CAMKV_exon11_3utr;LOC=utr3;CDS=0;ST=- ID=CAMKV_exon11_5utr;LOC=utr5;CDS=0;ST=- ID=C/na
 ID=RBM6_intron_btw_exon6_7;LOC=intron;PH=0;DS=RBM6:exon7;US=RBM6:exon6;ST=+
 ID=DMRTC2_exon2;LOC=exon;CDS=1;ST=+
 ID=ADAMTSL4_intron_btw_exon4_5;LOC=intron;PH=0;DS=ADAMTSL4:exon5;US=ADAMTSL4:exon4;S
 ID=ZNF549_exon3;LOC=exon;CDS=1;ST=+ ID=ZNF549_exon3_3utr;LOC=utr3;CDS=0;ST=+
 ID=CCDC155_intron_btw_exon5_6;LOC=intron;PH=1;DS=CCDC155:exon6;US=CCDC155:exon5;ST=+ I
 ID=19_btw_B9D2_EXOSC5;LOC=intergenic;DS=EXOSC5;US=B9D2
 ID=LGALS14_exon4;LOC=exon;CDS=1;ST=+ ID=LGALS14_exon4_3utr;LOC=utr3;CDS=0;ST=+ ID=19_bt

ID=19_btw_ZF6_ZNF587;LOC=intergenic;DS=ZNF587;US=ZF6
 ID=19_btw_ZNF480_ZNF610;LOC=intergenic;DS=ZNF610;US=ZNF480
 ID=19_btw_BLOC1S3_EXOC3L2;LOC=intergenic;DS=EXOC3L2;US=BLOC1S3
 ID=19_btw_B9D2_EXOSC5;LOC=intergenic;DS=EXOSC5;US=B9D2
 ID=SUPT5H_intron_btw_exon5_6;LOC=intron;PH=1;DS=SUPT5H:exon6;US=SUPT5H:exon5;ST=+ ID=S
 ID=7_btw_KIAA0895_AOAH;LOC=intergenic;DS=AOAH;US=KIAA0895 ID=ANLN_intron_btw_exon18_
 ID=EGFR_intron_btw_exon11_12;LOC=intron;PH=2;DS=EGFR:exon12;US=EGFR:exon11;ST=+ ID=EGF
 ID=7_btw_DKFZp564N2472_HPVC1;LOC=intergenic;DS=HPVC1;US=DKFZp564N2472
 ID=VPS41_intron_btw_exon25_26;LOC=intron;PH=0;DS=VPS41:exon25;US=VPS41:exon26;ST=- ID=V
 ID=PRKRA_exon7;LOC=exon;CDS=1;ST=-
 ID=KIAA1217_intron_btw_exon5_6;LOC=intron;PH=0;DS=KIAA1217:exon6;US=KIAA1217:exon5;ST=+
 ID=SRRM2_intron_btw_exon8_9;LOC=intron;PH=2;DS=SRRM2:exon9;US=SRRM2:exon8;ST=+ ID=SRR
 ID=HMHA1_exon7;LOC=exon;CDS=1;ST=+
 ID=TKT_exon10;LOC=exon;CDS=1;ST=- ID=TKT_intron_btw_exon9_10;LOC=intron;PH=1;DS=TKT:exon
 ID=HFM1_intron_btw_exon4_5;LOC=intron;PH=2;DS=HFM1:exon4;US=HFM1:exon5;ST=-
 ID=HFM1_intron_btw_exon4_5;LOC=intron;PH=2;DS=HFM1:exon4;US=HFM1:exon5;ST=-
 ID=SLC28A1_intron_btw_exon13_14;LOC=intron;PH=2;DS=SLC28A1:exon14;US=SLC28A1:exon13;ST:
 ID=1_btw_LEMD1_PCTK3;LOC=intergenic;DS=PCTK3;US=LEMD1
 ID=TSPAN9_intron_btw_exon3_4;LOC=intron;PH=0;DS=TSPAN9:exon4;US=TSPAN9:exon3;ST=+
 ID=PLEKHA7_intron_btw_exon3_4;LOC=intron;PH=2;DS=PLEKHA7:exon3;US=PLEKHA7:exon4;ST=-
 ID=11_btw_OR52N4_OR52N5;LOC=intergenic;DS=OR52N5;US=OR52N4
 ID=19_btw_PSG8_PSG5;LOC=intergenic;DS=PSG5;US=PSG8
 ID=ODZ1_intron_btw_exon12_13;LOC=intron;PH=1;DS=ODZ1:exon12;US=ODZ1:exon13;ST=- ID=ODZ
 ID=DNAH3_exon45;LOC=exon;CDS=1;ST=- ID=DNAH3_intron_btw_exon44_45;LOC=intron;PH=1;DS=
 ID=18_btw_SLMO1_SPIRE1;LOC=intergenic;DS=SPIRE1;US=SLMO1
 ID=GSDMA_exon12;LOC=exon;CDS=1;ST=+
 ID=STAT5A_exon12;LOC=exon;CDS=1;ST=+ ID=STAT5A_intron_btw_exon12_13;LOC=intron;PH=0;DS
 ID=KLHL9_exon1_3utr;LOC=utr3;CDS=0;ST=- ID=KLHL9_exon1;LOC=exon;CDS=1;ST=- ID=KLHL9_exon
 ID=HECW1_exon8;LOC=exon;CDS=1;ST=+ ID=HECW1_intron_btw_exon8_9;LOC=intron;PH=0;DS=HEC
 ID=SCCPDH_intron_btw_exon4_5;LOC=intron;PH=1;DS=SCCPDH:exon5;US=SCCPDH:exon4;ST=+
 ID=AHCTF1_intron_btw_exon16_17;LOC=intron;PH=2;DS=AHCTF1:exon16;US=AHCTF1:exon17;ST=-
 na
 ID=EHF_intron_btw_exon5_6;LOC=intron;PH=1;DS=EHF:exon6;US=EHF:exon5;ST=+ ID=EHF_exon6;L
 ID=16_btw_SLC6A10P_FLJ43980;LOC=intergenic;DS=FLJ43980;US=SLC6A10P
 na
 ID=EGFR_intron_btw_exon23_24;LOC=intron;PH=1;DS=EGFR:exon24;US=EGFR:exon23;ST=+ ID=EGF
 ID=FBXL21_exon1_5utr;LOC=utr5;CDS=0;ST=+ ID=FBXL21_exon1;LOC=exon;CDS=1;ST=+ ID=FBXL21_i
 ID=CACNA1C_intron_btw_exon3_4;LOC=intron;PH=0;DS=CACNA1C:exon4;US=CACNA1C:exon3;ST=+
 ID=FAM62A_exon4;LOC=exon;CDS=1;ST=+ ID=FAM62A_intron_btw_exon4_5;LOC=intron;PH=2;DS=F
 ID=ERGIC2_intron_btw_exon11_12;LOC=intron;PH=0;DS=ERGIC2:exon11;US=ERGIC2:exon12;ST=- ID
 ID=FAM62A_intron_btw_exon24_25;LOC=intron;PH=0;DS=FAM62A:exon25;US=FAM62A:exon24;ST:

ID=BAZ2A_intron_bt看_exon14_15;LOC=intron;PH=0;DS=BAZ2A:exon14;US=BAZ2A:exon15;ST=- ID=f
 ID=FAM62A_exon5;LOC=exon;CDS=1;ST=+ ID=FAM62A_intron_bt看_exon5_6;LOC=intron;PH=0;DS=f
 ID=12_bt看_TBX3_MED13L;LOC=intergenic;DS=MED13L;US=TBX3
 ID=SMARCC2_exon10;LOC=exon;CDS=1;ST=- ID=SMARCC2_intron_bt看_exon9_10;LOC=intron;PH=0;
 ID=FAM62A_intron_bt看_exon1_2;LOC=intron;PH=0;DS=FAM62A:exon2;US=FAM62A:exon1;ST=+ ID:
 ID=19_bt看_KCTD15_CR622909;LOC=intergenic;DS=CR622909;US=KCTD15
 ID=OR14I1_exon1;LOC=exon;CDS=1;ST=-
 ID=1_bt看_MEF2D_IQGAP3;LOC=intergenic;DS=IQGAP3;US=MEF2D
 ID=1_bt看_FAM108A3_PRKAB2;LOC=intergenic;DS=PRKAB2;US=FAM108A3
 ID=OR14I1_exon1;LOC=exon;CDS=1;ST=-
 ID=17_bt看_MRM1_LHX1;LOC=intergenic;DS=LHX1;US=MRM1
 ID=1_bt看_ELTD1_LPHN2;LOC=intergenic;DS=LPHN2;US=ELTD1
 ID=LRRK2_intron_bt看_exon20_21;LOC=intron;PH=1;DS=LRRK2:exon21;US=LRRK2:exon20;ST=+
 ID=5_bt看_C5orf48_LMNB1;LOC=intergenic;DS=LMNB1;US=C5orf48
 ID=7_bt看_DKFZp564N2472_HPVC1;LOC=intergenic;DS=HPVC1;US=DKFZp564N2472
 ID=ARHGAP5_exon2;LOC=exon;CDS=1;ST=+
 ID=1_bt看_COPA_NHLH1;LOC=intergenic;DS=NHLH1;US=COPA ID=NCSTN_exon7;LOC=exon;CDS=1;S
 ID=EIF4G3_intron_bt看_exon11_12;LOC=intron;PH=1;DS=EIF4G3:exon11;US=EIF4G3:exon12;ST=-
 ID=CAMTA1_intron_bt看_exon1_2;LOC=intron;PH=0;DS=CAMTA1:exon2;US=CAMTA1:exon1;ST=+
 ID=ANP32D_exon1;LOC=exon;CDS=1;ST=+
 na
 ID=12_bt看_OR10AD1_H1FNT;LOC=intergenic;DS=H1FNT;US=OR10AD1
 ID=ANP32D_exon1;LOC=exon;CDS=1;ST=+ ID=12_bt看_ANP32D_C12orf54;LOC=intergenic;DS=C12orf
 ID=METTLL1_intron_bt看_exon2_3;LOC=intron;PH=1;DS=METTLL1:exon2;US=METTLL1:exon3;ST=- ID=N
 ID=ANP32D_exon1;LOC=exon;CDS=1;ST=+
 ID=AMHR2_intron_bt看_exon10_11;LOC=intron;PH=0;DS=AMHR2:exon11;US=AMHR2:exon10;ST=+ |
 ID=16_bt看_SLC6A10P_FLJ43980;LOC=intergenic;DS=FLJ43980;US=SLC6A10P
 ID=ADAMTS18_exon22;LOC=exon;CDS=1;ST=- ID=ADAMTS18_intron_bt看_exon21_22;LOC=intron;PH
 ID=6_bt看_PDE10A_AK289375;LOC=intergenic;DS=AK289375;US=PDE10A
 ID=ARHGAP5_exon2;LOC=exon;CDS=1;ST=+
 ID=12_bt看_ZBTB39_TAC3;LOC=intergenic;DS=TAC3;US=ZBTB39
 ID=TMEM194A_intron_bt看_exon2_3;LOC=intron;PH=0;DS=TMEM194A:exon2;US=TMEM194A:exon
 ID=MYO1A_intron_bt看_exon19_20;LOC=intron;PH=0;DS=MYO1A:exon19;US=MYO1A:exon20;ST=- ||
 ID=DTX3_exon5;LOC=exon;CDS=1;ST=+
 ID=TMEM194A_intron_bt看_exon3_4;LOC=intron;PH=2;DS=TMEM194A:exon3;US=TMEM194A:exon
 ID=12_bt看_NAB2_LRP1;LOC=intergenic;DS=LRP1;US=NAB2 ID=12_bt看_STAT6_LRP1;LOC=intergenic
 ID=MYO1A_intron_bt看_exon25_26;LOC=intron;PH=0;DS=MYO1A:exon25;US=MYO1A:exon26;ST=- ||
 ID=4_bt看_DCTD_C4orf38;LOC=intergenic;DS=C4orf38;US=DCTD
 ID=4_bt看_FAT1_ZFP42;LOC=intergenic;DS=ZFP42;US=FAT1
 ID=ZNF765_intron_bt看_exon2_3;LOC=intron;PH=0;DS=ZNF765:exon3;US=ZNF765:exon2;ST=+
 ID=NM_001099942_intron_bt看_exon1_2;LOC=intron;PH=0;DS=NM_001099942:exon1;US=NM_001

ID=LZTFL1_exon10_3utr;LOC=utr3;CDS=0;ST=- ID=LZTFL1_exon10_5utr;LOC=utr5;CDS=0;ST=- ID=LZT
ID=RGS20_intron_btw_exon2_3;LOC=intron;PH=0;DS=RGS20:exon3;US=RGS20:exon2;ST=+
ID=ST18_intron_btw_exon12_13;LOC=intron;PH=2;DS=ST18:exon12;US=ST18:exon13;ST=- ID=ST18_
ID=2_btw_ARL4C_SH3BP4;LOC=intergenic;DS=SH3BP4;US=ARL4C
ID=KIF5A_intron_btw_exon10_11;LOC=intron;PH=2;DS=KIF5A:exon11;US=KIF5A:exon10;ST=+ ID=KIF
ID=GLI1_intron_btw_exon2_3;LOC=intron;PH=1;DS=GLI1:exon3;US=GLI1:exon2;ST=+ ID=GLI1_exon3
ID=GLI1_intron_btw_exon11_12;LOC=intron;PH=1;DS=GLI1:exon12;US=GLI1:exon11;ST=+ ID=GLI1_e
ID=12_btw_BC019026_TSPAN31;LOC=intergenic;DS=TSPAN31;US=BC019026 ID=AGAP2_intron_btw_
ID=DCTN2_exon7;LOC=exon;CDS=1;ST=- ID=DCTN2_intron_btw_exon6_7;LOC=intron;PH=2;DS=DCTN
ID=BCLAF1_exon9;LOC=exon;CDS=1;ST=- ID=BCLAF1_intron_btw_exon8_9;LOC=intron;PH=0;DS=BCL
ID=19_btw_ZNF254_UQCRFS1;LOC=intergenic;DS=UQCRFS1;US=ZNF254
ID=6_btw_LRFN2_UNC5CL;LOC=intergenic;DS=UNC5CL;US=LRFN2
ID=KCND3_intron_btw_exon2_3;LOC=intron;PH=2;DS=KCND3:exon2;US=KCND3:exon3;ST=-
ID=TMPRSS4_intron_btw_exon1_2;LOC=intron;PH=0;DS=TMPRSS4:exon2;US=TMPRSS4:exon1;ST=+
ID=11_btw_IL10RA_Tmprss4;LOC=intergenic;DS=TMprss4;US=IL10RA
ID=MINPP1_exon5;LOC=exon;CDS=1;ST=+
ID=FAF1_intron_btw_exon7_8;LOC=intron;PH=0;DS=FAF1:exon7;US=FAF1:exon8;ST=-
ID=BCLAF1_exon9;LOC=exon;CDS=1;ST=- ID=BCLAF1_intron_btw_exon8_9;LOC=intron;PH=0;DS=BCL
ID=1_btw_MDM4_LRRN2;LOC=intergenic;DS=LRRN2;US=MDM4
ID=1_btw_CCDC24_KLF17;LOC=intergenic;DS=KLF17;US=CCDC24 ID=1_btw_SLC6A9_KLF17;LOC=inte
ID=NEK3_intron_btw_exon4_5;LOC=intron;PH=0;DS=NEK3:exon4;US=NEK3:exon5;ST=- ID=NEK3_ex
ID=PDS5A_intron_btw_exon2_3;LOC=intron;PH=0;DS=PDS5A:exon2;US=PDS5A:exon3;ST=-
ID=6_btw_GPR116_GPR110;LOC=intergenic;DS=GPR110;US=GPR116
ID=6_btw_GPR110_TNFRSF21;LOC=intergenic;DS=TNFRSF21;US=GPR110
ID=ADCK4_intron_btw_exon9_10;LOC=intron;PH=1;DS=ADCK4:exon9;US=ADCK4:exon10;ST=-
ID=1_btw_CASZ1_C1orf127;LOC=intergenic;DS=C1orf127;US=CASZ1

right annotation

ID=7_btw_SEC61G_EGFR;LOC=intergenic;DS=EGFR;US=SEC61G
ID=7_btw_SEC61G_EGFR;LOC=intergenic;DS=EGFR;US=SEC61G
ID=7_btw_EGFR_LANCL2;LOC=intergenic;DS=LANCL2;US=EGFR
ID=14_btw_immunoglobulin heavy chain_LOC90925;LOC=intergenic;DS=LOC90925;US=immunoglobulin heavy chain
ID=CBARA1_exon12_3utr;LOC=utr3;CDS=0;ST=- ID=CBARA1_exon12_5utr;LOC=utr5;CDS=0;ST=- ID=CBARA1_exon12_3utr;LOC=utr3;CDS=0;ST=- ID=CBARA1_exon12_5utr;LOC=utr5;CDS=0;ST=-
ID=LRIG3_exon18;LOC=exon;CDS=1;ST=- ID=LRIG3_intron_btw_exon17_18;LOC=intron;PH=1;DS=LRIG3;US=LRIG3;ST=- ID=LRIG3_exon18;LOC=exon;CDS=1;ST=- ID=LRIG3_intron_btw_exon17_18;LOC=intron;PH=1;DS=LRIG3;US=LRIG3;ST=-
ID=CYP27B1_intron_btw_exon7_8;LOC=intron;PH=0;DS=CYP27B1:exon7;US=CYP27B1:exon8;ST=- ID=CYP27B1_intron_btw_exon7_8;LOC=intron;PH=0;DS=CYP27B1:exon7;US=CYP27B1:exon8;ST=-
ID=12_btw_XRCC6BP1_LRIG3;LOC=intergenic;DS=LRIG3;US=XRCC6BP1
ID=LRIG3_exon13;LOC=exon;CDS=1;ST=- ID=LRIG3_intron_btw_exon12_13;LOC=intron;PH=1;DS=LRIG3;US=LRIG3;ST=- ID=LRIG3_exon13;LOC=exon;CDS=1;ST=- ID=LRIG3_intron_btw_exon12_13;LOC=intron;PH=1;DS=LRIG3;US=LRIG3;ST=-
ID=MARS_intron_btw_exon9_10;LOC=intron;PH=2;DS=MARS:exon10;US=MARS:exon9;ST=+ ID=MARS_intron_btw_exon9_10;LOC=intron;PH=2;DS=MARS:exon10;US=MARS:exon9;ST=+
ID=OS9_exon11;LOC=exon;CDS=1;ST=+
ID=4_btw_CHIC2_GSX2;LOC=intergenic;DS=GSX2;US=CHIC2
ID=12_btw_XRCC6BP1_LRIG3;LOC=intergenic;DS=LRIG3;US=XRCC6BP1
ID=12_btw_LRIG3_SLC16A7;LOC=intergenic;DS=SLC16A7;US=LRIG3
ID=GLI1_exon12;LOC=exon;CDS=1;ST=+
ID=19_btw_ZNF254_UQCRFS1;LOC=intergenic;DS=UQCRFS1;US=ZNF254
ID=7_btw_EGFR_LANCL2;LOC=intergenic;DS=LANCL2;US=EGFR
ID=CSMD2_intron_btw_exon13_14;LOC=intron;PH=1;DS=CSMD2:exon13;US=CSMD2:exon14;ST=- ID=CSMD2_intron_btw_exon13_14;LOC=intron;PH=1;DS=CSMD2:exon13;US=CSMD2:exon14;ST=-
ID=CSMD2_intron_btw_exon10_11;LOC=intron;PH=0;DS=CSMD2:exon10;US=CSMD2:exon11;ST=- ID=CSMD2_intron_btw_exon10_11;LOC=intron;PH=0;DS=CSMD2:exon10;US=CSMD2:exon11;ST=-
ID=9_btw_GCNT1_PRUNE2;LOC=intergenic;DS=PRUNE2;US=GCNT1
ID=10_btw_DQ575272_ZNF33B;LOC=intergenic;DS=ZNF33B;US=DQ575272
ID=Y_btw_TSPY1_USP9Y;LOC=intergenic;DS=USP9Y;US=TSPY1
ID=5_btw_CARTPT_MAP1B;LOC=intergenic;DS=MAP1B;US=CARTPT
ID=12_btw_TMEM132B_DKFZp434G0827;LOC=intergenic;DS=DKFZp434G0827;US=TMEM132B
ID=7_btw_VSTM2A_SEC61G;LOC=intergenic;DS=SEC61G;US=VSTM2A
ID=TMBIM4_intron_btw_exon1_2;LOC=intron;PH=1;DS=TMBIM4:exon1;US=TMBIM4:exon2;ST=- ID=TMBIM4_intron_btw_exon1_2;LOC=intron;PH=1;DS=TMBIM4:exon1;US=TMBIM4:exon2;ST=-
ID=PCTK2_intron_btw_exon15_16;LOC=intron;PH=1;DS=PCTK2:exon15;US=PCTK2:exon16;ST=- ID=PCTK2_intron_btw_exon15_16;LOC=intron;PH=1;DS=PCTK2:exon15;US=PCTK2:exon16;ST=-
ID=IQCD_intron_btw_exon2_3;LOC=intron;PH=0;DS=IQCD:exon2;US=IQCD:exon3;ST=- ID=IQCD_intron_btw_exon2_3;LOC=intron;PH=0;DS=IQCD:exon2;US=IQCD:exon3;ST=-
ID=SLC41A2_intron_btw_exon9_10;LOC=intron;PH=0;DS=SLC41A2:exon9;US=SLC41A2:exon10;ST=- ID=SLC41A2_intron_btw_exon9_10;LOC=intron;PH=0;DS=SLC41A2:exon9;US=SLC41A2:exon10;ST=-
ID=AVIL_intron_btw_exon15_16;LOC=intron;PH=0;DS=AVIL:exon15;US=AVIL:exon16;ST=- ID=AVIL_intron_btw_exon15_16;LOC=intron;PH=0;DS=AVIL:exon15;US=AVIL:exon16;ST=-
ID=12_btw_NEDD1_AX747640;LOC=intergenic;DS=AX747640;US=NEDD1
ID=KIF5A_exon7;LOC=exon;CDS=1;ST=+ ID=KIF5A_intron_btw_exon7_8;LOC=intron;PH=1;DS=KIF5A:exon7;US=KIF5A:exon8;ST=+ ID=KIF5A_exon7;LOC=exon;CDS=1;ST=+ ID=KIF5A_intron_btw_exon7_8;LOC=intron;PH=1;DS=KIF5A:exon7;US=KIF5A:exon8;ST=+
ID=12_btw_ASCL4_WSCD2;LOC=intergenic;DS=WSCD2;US=ASCL4
ID=SLC2A13_intron_btw_exon6_7;LOC=intron;PH=2;DS=SLC2A13:exon6;US=SLC2A13:exon7;ST=- ID=SLC2A13_intron_btw_exon6_7;LOC=intron;PH=2;DS=SLC2A13:exon6;US=SLC2A13:exon7;ST=-
ID=SUDS3_intron_btw_exon10_11;LOC=intron;PH=2;DS=SUDS3:exon11;US=SUDS3:exon10;ST=+ ID=SUDS3_intron_btw_exon10_11;LOC=intron;PH=2;DS=SUDS3:exon11;US=SUDS3:exon10;ST=+
ID=KIAA2017_intron_btw_exon24_25;LOC=intron;PH=2;DS=KIAA2017:exon25;US=KIAA2017:exon24;ST=+ ID=KIAA2017_intron_btw_exon24_25;LOC=intron;PH=2;DS=KIAA2017:exon25;US=KIAA2017:exon24;ST=+
ID=12_btw_RIMBP2_STX2;LOC=intergenic;DS=STX2;US=RIMBP2
ID=CUL7_intron_btw_exon21_22;LOC=intron;PH=0;DS=CUL7:exon21;US=CUL7:exon22;ST=- ID=CUL7_intron_btw_exon21_22;LOC=intron;PH=0;DS=CUL7:exon21;US=CUL7:exon22;ST=-
ID=YEATS4_intron_btw_exon2_3;LOC=intron;PH=0;DS=YEATS4:exon3;US=YEATS4:exon2;ST=+ ID=YEATS4_intron_btw_exon2_3;LOC=intron;PH=0;DS=YEATS4:exon3;US=YEATS4:exon2;ST=+
ID=GTF2H3_intron_btw_exon9_10;LOC=intron;PH=0;DS=GTF2H3:exon10;US=GTF2H3:exon9;ST=+ ID=GTF2H3_intron_btw_exon9_10;LOC=intron;PH=0;DS=GTF2H3:exon10;US=GTF2H3:exon9;ST=+

ID=TPCN1_intron_bt看_exon2_3;LOC=intron;PH=1;DS=TPCN1:exon3;US=TPCN1:exon2;ST=+
 ID=TCTN2_exon12;LOC=exon;CDS=1;ST=+ ID=TCTN2_intron_bt看_exon12_13;LOC=intron;PH=1;DS=T
 na
 na
 ID=12_bt看_SLC24A6_P76;LOC=intergenic;DS=P76;US=SLC24A6
 ID=PGC_intron_bt看_exon5_6;LOC=intron;PH=2;DS=PGC:exon5;US=PGC:exon6;ST=- ID=PGC_exon5;L
 ID=6_bt看_TRERF1_UBR2;LOC=intergenic;DS=UBR2;US=TRERF1
 ID=CUL7_intron_bt看_exon21_22;LOC=intron;PH=0;DS=CUL7:exon21;US=CUL7:exon22;ST=- ID=CUL7
 ID=6_bt看_DEFB112_TFAP2D;LOC=intergenic;DS=TFAP2D;US=DEFB112
 ID=6_bt看_DAAM2_LRFN2;LOC=intergenic;DS=LRFN2;US=DAAM2 ID=6_bt看_MOCS1_LRFN2;LOC=inte
 na
 ID=UGCG_intron_bt看_exon8_9;LOC=intron;PH=0;DS=UGCG:exon9;US=UGCG:exon8;ST=+ ID=UGCG_
 ID=MRRF_intron_bt看_exon3_4;LOC=intron;PH=1;DS=MRRF:exon4;US=MRRF:exon3;ST=+
 ID=CTNNAL1_exon6;LOC=exon;CDS=1;ST=- ID=CTNNAL1_intron_bt看_exon5_6;LOC=intron;PH=0;DS=
 ID=PRPF4_exon11;LOC=exon;CDS=1;ST=+ ID=PRPF4_intron_bt看_exon11_12;LOC=intron;PH=2;DS=PI
 ID=CTNNAL1_exon6;LOC=exon;CDS=1;ST=-
 ID=SVEP1_exon4;LOC=exon;CDS=1;ST=-
 ID=SETD7_intron_bt看_exon2_3;LOC=intron;PH=2;DS=SETD7:exon2;US=SETD7:exon3;ST=- ID=SETD7_
 ID=ROD1_intron_bt看_exon13_14;LOC=intron;PH=2;DS=ROD1:exon13;US=ROD1:exon14;ST=- ID=ROI
 ID=RN183_exon2_3utr;LOC=utr3;CDS=0;ST=- ID=RN183_exon2;LOC=exon;CDS=1;ST=- ID=RN183_
 ID=ZNF618_intron_bt看_exon2_3;LOC=intron;PH=2;DS=ZNF618:exon3;US=ZNF618:exon2;ST=+
 ID=IARS_exon29;LOC=exon;CDS=1;ST=-
 ID=9_bt看_STOM_GGTA1;LOC=intergenic;DS=GGTA1;US=STOM
 ID=MORN5_intron_bt看_exon4_5;LOC=intron;PH=1;DS=MORN5:exon5;US=MORN5:exon4;ST=+
 ID=RN183_exon2_3utr;LOC=utr3;CDS=0;ST=- ID=RN183_exon2;LOC=exon;CDS=1;ST=- ID=RN183_
 ID=17_bt看_APPBP2_PPM1D;LOC=intergenic;DS=PPM1D;US=APPBP2
 ID=21_bt看_TEKT4P2_TPTE;LOC=intergenic;DS=TPTE;US=TEKT4P2
 ID=EGFR_exon7;LOC=exon;CDS=1;ST=+ ID=EGFR_intron_bt看_exon7_8;LOC=intron;PH=1;DS=EGFR:ex
 ID=9_bt看_LINGO2_ACO1;LOC=intergenic;DS=ACO1;US=LINGO2
 ID=9_bt看_LINGO2_ACO1;LOC=intergenic;DS=ACO1;US=LINGO2
 ID=9_bt看_GCNT1_PRUNE2;LOC=intergenic;DS=PRUNE2;US=GCNT1
 ID=10_bt看_DQ575272_ZNF33B;LOC=intergenic;DS=ZNF33B;US=DQ575272
 ID=Y_bt看_TSPY1_USP9Y;LOC=intergenic;DS=USP9Y;US=TSPY1
 ID=16_bt看_SLC6A10P_FLJ43980;LOC=intergenic;DS=FLJ43980;US=SLC6A10P
 ID=21_bt看_beg_TPTE;LOC=intergenic;DS=TPTE;US=na
 ID=19_bt看_ZNF254_UQCRFS1;LOC=intergenic;DS=UQCRFS1;US=ZNF254
 ID=9_bt看_GCNT1_PRUNE2;LOC=intergenic;DS=PRUNE2;US=GCNT1
 ID=BCLAF1_exon3_3utr;LOC=utr3;CDS=0;ST=- ID=BCLAF1_exon3;LOC=exon;CDS=1;ST=- ID=BCLAF1_ε
 ID=19_bt看_ZNF254_UQCRFS1;LOC=intergenic;DS=UQCRFS1;US=ZNF254
 ID=19_bt看_ZNF254_UQCRFS1;LOC=intergenic;DS=UQCRFS1;US=ZNF254
 ID=12_bt看_TM132B_DKFZp434G0827;LOC=intergenic;DS=DKFZp434G0827;US=TM132B

ID=20_btw_ADRA1D_PRNP;LOC=intergenic;DS=PRNP;US=ADRA1D
 ID=7_btw_EGFR_LANCL2;LOC=intergenic;DS=LANCL2;US=EGFR
 ID=EGFR_intron_btw_exon7_8;LOC=intron;PH=1;DS=EGFR:exon8;US=EGFR:exon7;ST=+ ID=EGFR_exc
 ID=LANCL2_intron_btw_exon7_8;LOC=intron;PH=0;DS=LANCL2:exon8;US=LANCL2:exon7;ST=+
 ID=BCLAF1_intron_btw_exon6_7;LOC=intron;PH=1;DS=BCLAF1:exon6;US=BCLAF1:exon7;ST=- ID=BCI
 ID=1_btw_TMCC2_NUAK2;LOC=intergenic;DS=NUAK2;US=TMCC2
 ID=ZNF302_intron_btw_exon3_4;LOC=intron;PH=1;DS=ZNF302:exon4;US=ZNF302:exon3;ST=+ ID=ZNF
 ID=CNOT2_intron_btw_exon2_3;LOC=intron;PH=0;DS=CNOT2:exon3;US=CNOT2:exon2;ST=+
 ID=12_btw_TMTC2_SLC6A15;LOC=intergenic;DS=SLC6A15;US=TMTC2
 ID=12_btw_CPM_CPSF6;LOC=intergenic;DS=CPSF6;US=CPM
 ID=12_btw_NUP107_SLC35E3;LOC=intergenic;DS=SLC35E3;US=NUP107
 ID=12_btw_SRGA1_C12orf66;LOC=intergenic;DS=C12orf66;US=SRGA1
 ID=CPM_exon7;LOC=exon;CDS=1;ST=- ID=CPM_intron_btw_exon6_7;LOC=intron;PH=1;DS=CPM:exo
 ID=12_btw_RAB3IP_C12orf28;LOC=intergenic;DS=C12orf28;US=RAB3IP
 ID=VSTM2A_intron_btw_exon4_5;LOC=intron;PH=1;DS=VSTM2A:exon5;US=VSTM2A:exon4;ST=+
 ID=BCAS3_intron_btw_exon20_21;LOC=intron;PH=1;DS=BCAS3:exon21;US=BCAS3:exon20;ST=+
 ID=AARSD1_intron_btw_exon7_8;LOC=intron;PH=0;DS=AARSD1:exon7;US=AARSD1:exon8;ST=-
 ID=MYO18B_intron_btw_exon25_26;LOC=intron;PH=0;DS=MYO18B:exon26;US=MYO18B:exon25;ST
 ID=RAB36_intron_btw_exon7_8;LOC=intron;PH=2;DS=RAB36:exon8;US=RAB36:exon7;ST=+ ID=RAB3
 ID=SASH1_intron_btw_exon1_2;LOC=intron;PH=0;DS=SASH1:exon2;US=SASH1:exon1;ST=+ ID=SASH1
 ID=11_btw_PYGM_SF1;LOC=intergenic;DS=SF1;US=PYGM
 ID=MFF_exon11;LOC=exon;CDS=1;ST=+
 ID=12_btw_XRCC6BP1_LRIG3;LOC=intergenic;DS=LRIG3;US=XRCC6BP1
 ID=EGFR_exon7;LOC=exon;CDS=1;ST=+ ID=EGFR_intron_btw_exon7_8;LOC=intron;PH=1;DS=EGFR:ex
 ID=IFITM3_exon1;LOC=exon;CDS=1;ST=- ID=IFITM3_exon1_5utr;LOC=utr5;CDS=0;ST=-
 ID=15_btw_SLTM_RNF111;LOC=intergenic;DS=RNF111;US=SLTM
 ID=BCLAF1_exon3;LOC=exon;CDS=1;ST=- ID=BCLAF1_exon3_5utr;LOC=utr5;CDS=0;ST=-
 ID=13_btw_RFC3_NBEA;LOC=intergenic;DS=NBEA;US=RFC3
 ID=17_btw_AX747630_ALOX12B;LOC=intergenic;DS=ALOX12B;US=AX747630
 ID=RNF43_exon9;LOC=exon;CDS=1;ST=-
 ID=7_btw_SEC61G_EGFR;LOC=intergenic;DS=EGFR;US=SEC61G
 ID=4_btw_PDGFR_KIT;LOC=intergenic;DS=KIT;US=PDGFRA
 ID=GARNL3_intron_btw_exon21_22;LOC=intron;PH=0;DS=GARNL3:exon22;US=GARNL3:exon21;ST=+
 ID=9_btw_TTLL11_NDUFA8;LOC=intergenic;DS=NDUFA8;US=TTLL11
 ID=12_btw_XRCC6BP1_LRIG3;LOC=intergenic;DS=LRIG3;US=XRCC6BP1
 ID=CTDSP2_intron_btw_exon7_8;LOC=intron;PH=0;DS=CTDSP2:exon7;US=CTDSP2:exon8;ST=- ID=CT
 ID=12_btw_LOC100130776_TSPAN31;LOC=intergenic;DS=TSPAN31;US=LOC100130776
 ID=NXPH4_intron_btw_exon1_2;LOC=intron;PH=0;DS=NXPH4:exon2;US=NXPH4:exon1;ST=+
 ID=12_btw_XRCC6BP1_LRIG3;LOC=intergenic;DS=LRIG3;US=XRCC6BP1
 ID=AVIL_intron_btw_exon15_16;LOC=intron;PH=0;DS=AVIL:exon15;US=AVIL:exon16;ST=- ID=AVIL_e
 ID=SRGA1_exon22;LOC=exon;CDS=1;ST=+ ID=SRGA1_exon22_3utr;LOC=utr3;CDS=0;ST=+

ID=IRAK3_intron_bt看_exon8_9;LOC=intron;PH=2;DS=IRAK3:exon9;US=IRAK3:exon8;ST=+ ID=IRAK3_
 ID=12_bt看_LOC100130776_TSPAN31;LOC=intergenic;DS=TSPAN31;US=LOC100130776 ID=AGAP2_e
 ID=NUP107_intron_bt看_exon27_28;LOC=intron;PH=0;DS=NUP107:exon28;US=NUP107:exon27;ST=+
 ID=METTTL21B_intron_bt看_exon2_3;LOC=intron;PH=1;DS=METTTL21B:exon3;US=METTTL21B:exon2;ST
 ID=PIP4K2C_exon1;LOC=exon;CDS=1;ST=+ ID=PIP4K2C_intron_bt看_exon1_2;LOC=intron;PH=0;DS=PI
 ID=ARHGAP9_intron_bt看_exon3_4;LOC=intron;PH=0;DS=ARHGAP9:exon3;US=ARHGAP9:exon4;ST=-
 ID=12_bt看_XRCC6BP1_LRIG3;LOC=intergenic;DS=LRIG3;US=XRCC6BP1
 ID=SLC26A10_intron_bt看_exon4_5;LOC=intron;PH=0;DS=SLC26A10:exon5;US=SLC26A10:exon4;ST=-
 ID=CPM_intron_bt看_exon3_4;LOC=intron;PH=0;DS=CPM:exon3;US=CPM:exon4;ST=-
 ID=CPM_exon9;LOC=exon;CDS=1;ST=-
 ID=ARHGEF25_intron_bt看_exon14_15;LOC=intron;PH=1;DS=ARHGEF25:exon15;US=ARHGEF25:exon
 ID=C1orf101_intron_bt看_exon10_11;LOC=intron;PH=1;DS=C1orf101:exon11;US=C1orf101:exon10;S
 ID=SDCCAG8_intron_bt看_exon13_14;LOC=intron;PH=2;DS=SDCCAG8:exon14;US=SDCCAG8:exon13;:
 ID=18_bt看_VAPA_APCDD1;LOC=intergenic;DS=APCDD1;US=VAPA
 ID=AMOTL2_exon7;LOC=exon;CDS=1;ST=- ID=AMOTL2_intron_bt看_exon6_7;LOC=intron;PH=1;DS=A
 ID=SEPT14_intron_bt看_exon9_10;LOC=intron;PH=0;DS=SEPT14:exon9;US=SEPT14:exon10;ST=-
 ID=EGFR_intron_bt看_exon24_25;LOC=intron;PH=0;DS=EGFR:exon25;US=EGFR:exon24;ST=+ ID=EGFR
 ID=UBXN11_exon16;LOC=exon;CDS=1;ST=-
 ID=MYOM3_intron_bt看_exon17_18;LOC=intron;PH=1;DS=MYOM3:exon17;US=MYOM3:exon18;ST=.
 ID=HSPG2_intron_bt看_exon57_58;LOC=intron;PH=0;DS=HSPG2:exon57;US=HSPG2:exon58;ST=- ID=I
 ID=1_bt看_IL28RA_GRHL3;LOC=intergenic;DS=GRHL3;US=IL28RA
 ID=EXTL1_intron_bt看_exon7_8;LOC=intron;PH=0;DS=EXTL1:exon8;US=EXTL1:exon7;ST=+ ID=EXTL1_
 ID=KDM1A_exon21;LOC=exon;CDS=1;ST=+ ID=KDM1A_exon21_3utr;LOC=utr3;CDS=0;ST=+
 ID=SH2D5_exon7;LOC=exon;CDS=1;ST=- ID=SH2D5_intron_bt看_exon6_7;LOC=intron;PH=0;DS=SH2D
 ID=FAM54B_exon6;LOC=exon;CDS=1;ST=+
 ID=1_bt看_IL28RA_GRHL3;LOC=intergenic;DS=GRHL3;US=IL28RA
 ID=EXTL1_exon6;LOC=exon;CDS=1;ST=+ ID=EXTL1_intron_bt看_exon6_7;LOC=intron;PH=0;DS=EXTL1
 ID=1_bt看_IRF2BP2_TOMM20;LOC=intergenic;DS=TOMM20;US=IRF2BP2
 ID=1_bt看_ZNF326_BARHL2;LOC=intergenic;DS=BARHL2;US=ZNF326
 ID=LDLRAP1_intron_bt看_exon5_6;LOC=intron;PH=1;DS=LDLRAP1:exon6;US=LDLRAP1:exon5;ST=+ ID
 ID=ERN1_exon6;LOC=exon;CDS=1;ST=- ID=ERN1_intron_bt看_exon5_6;LOC=intron;PH=1;DS=ERN1:e
 ID=20_bt看_CHRNA4_KCNQ2;LOC=intergenic;DS=KCNQ2;US=CHRNA4
 ID=OS9_exon10;LOC=exon;CDS=1;ST=+ ID=OS9_intron_bt看_exon10_11;LOC=intron;PH=0;DS=OS9:e
 ID=14_bt看_MDGA2_RPS29;LOC=intergenic;DS=RPS29;US=MDGA2
 ID=2_bt看_SPP2_ARL4C;LOC=intergenic;DS=ARL4C;US=SPP2
 ID=LNX1_intron_bt看_exon5_6;LOC=intron;PH=0;DS=LNX1:exon5;US=LNX1:exon6;ST=-
 ID=14_bt看_SEL1L_FLRT2;LOC=intergenic;DS=FLRT2;US=SEL1L
 ID=EGFR_exon28_3utr;LOC=utr3;CDS=0;ST=+
 ID=EGFR_intron_bt看_exon7_8;LOC=intron;PH=1;DS=EGFR:exon8;US=EGFR:exon7;ST=+ ID=EGFR_exc
 ID=4_bt看_PDGFRA_KIT;LOC=intergenic;DS=KIT;US=PDGFRA
 ID=NME9_intron_bt看_exon6_7;LOC=intron;PH=0;DS=NME9:exon6;US=NME9:exon7;ST=- ID=NME9_

ID=1_btw_ZNF238_C1orf100;LOC=intergenic;DS=C1orf100;US=ZNF238
 ID=12_btw_MDM1_RAP1B;LOC=intergenic;DS=RAP1B;US=MDM1
 ID=PDE1B_exon6;LOC=exon;CDS=1;ST=+ ID=PDE1B_intron_btw_exon6_7;LOC=intron;PH=0;DS=PDE1B_intron_btw_exon6_7;US=PDE1B_intron_btw_exon6_7;ST=-
 ID=RFC2_exon4;LOC=exon;CDS=1;ST=- ID=RFC2_intron_btw_exon3_4;LOC=intron;PH=0;DS=RFC2_intron_btw_exon3_4;US=RFC2_intron_btw_exon3_4;ST=-
 ID=SLC2A14_intron_btw_exon10_11;LOC=intron;PH=0;DS=SLC2A14:exon10;US=SLC2A14:exon11;ST=- ID=SLC2A14_exon10;LOC=exon;CDS=1;ST=-
 ID=12_btw_B4GALNT1_OS9;LOC=intergenic;DS=OS9;US=B4GALNT1
 ID=MARS_exon21;LOC=exon;CDS=1;ST=+ ID=MARS_exon21_3utr;LOC=utr3;CDS=0;ST=+ ID=MARS_3utr;LOC=utr3;CDS=0;ST=+
 ID=AVIL_exon14;LOC=exon;CDS=1;ST=- ID=AVIL_intron_btw_exon13_14;LOC=intron;PH=0;DS=AVIL:exon14;US=AVIL:exon14;ST=-
 ID=AVIL_intron_btw_exon18_19;LOC=intron;PH=0;DS=AVIL:exon18;US=AVIL:exon19;ST=- ID=AVIL_exon18;LOC=exon;CDS=1;ST=-
 ID=UHRF1_exon10;LOC=exon;CDS=1;ST=+
 ID=6_btw_ECI2_CDYL;LOC=intergenic;DS=CDYL;US=ECI2
 ID=C9orf100_exon9_3utr;LOC=utr3;CDS=0;ST=- ID=C9orf100_exon9;LOC=exon;CDS=1;ST=- ID=C9orf100_3utr;LOC=utr3;CDS=0;ST=-
 ID=9_btw_LINGO2_ACO1;LOC=intergenic;DS=ACO1;US=LINGO2
 ID=7_btw_LANCL2_VOPP1;LOC=intergenic;DS=VOPP1;US=LANCL2
 ID=7_btw_POM121L12_VSTM2A;LOC=intergenic;DS=VSTM2A;US=POM121L12
 ID=7_btw_LANCL2_VOPP1;LOC=intergenic;DS=VOPP1;US=LANCL2
 ID=EGFR_exon15;LOC=exon;CDS=1;ST=+ ID=EGFR_intron_btw_exon15_16;LOC=intron;PH=2;DS=EGFR:exon15;US=EGFR:exon15;ST=+
 ID=EGFR_intron_btw_exon7_8;LOC=intron;PH=1;DS=EGFR:exon8;US=EGFR:exon7;ST=+ ID=EGFR_exon8;LOC=exon;CDS=1;ST=+
 ID=12_btw_MDM1_RAP1B;LOC=intergenic;DS=RAP1B;US=MDM1
 ID=12_btw_MDM1_RAP1B;LOC=intergenic;DS=RAP1B;US=MDM1
 ID=12_btw_GRIP1_CAND1;LOC=intergenic;DS=CAND1;US=GRIP1
 ID=CPM_intron_btw_exon7_8;LOC=intron;PH=1;DS=CPM:exon7;US=CPM:exon8;ST=-
 ID=CD2AP_intron_btw_exon1_2;LOC=intron;PH=1;DS=CD2AP:exon2;US=CD2AP:exon1;ST=+
 ID=12_btw_GRIP1_CAND1;LOC=intergenic;DS=CAND1;US=GRIP1
 ID=TMBIM4_intron_btw_exon4_5;LOC=intron;PH=1;DS=TMBIM4:exon4;US=TMBIM4:exon5;ST=- ID=TMBIM4_exon4;LOC=exon;CDS=1;ST=-
 ID=6_btw_SPATS1_CDC5L;LOC=intergenic;DS=CDC5L;US=SPATS1
 ID=CAPN11_intron_btw_exon1_2;LOC=intron;PH=1;DS=CAPN11:exon2;US=CAPN11:exon1;ST=+
 ID=NUP107_intron_btw_exon8_9;LOC=intron;PH=0;DS=NUP107:exon9;US=NUP107:exon8;ST=+
 ID=12_btw_GRIP1_CAND1;LOC=intergenic;DS=CAND1;US=GRIP1
 ID=12_btw_C12orf61_PPM1H;LOC=intergenic;DS=PPM1H;US=C12orf61
 ID=6_btw_CDC5L_SUPT3H;LOC=intergenic;DS=SUPT3H;US=CDC5L
 ID=RUNX2_intron_btw_exon5_6;LOC=intron;PH=1;DS=RUNX2:exon6;US=RUNX2:exon5;ST=+
 ID=6_btw_C6orf138_MUT;LOC=intergenic;DS=MUT;US=C6orf138
 ID=12_btw_AVPR1A_DPY19L2;LOC=intergenic;DS=DPY19L2;US=AVPR1A
 ID=6_btw_RUNX2_CLIC5;LOC=intergenic;DS=CLIC5;US=RUNX2
 ID=XPO5_intron_btw_exon6_7;LOC=intron;PH=0;DS=XPO5:exon6;US=XPO5:exon7;ST=- ID=XPO5_exon6;LOC=exon;CDS=1;ST=-
 ID=6_btw_C6orf138_MUT;LOC=intergenic;DS=MUT;US=C6orf138
 ID=PPM1H_intron_btw_exon1_2;LOC=intron;PH=2;DS=PPM1H:exon1;US=PPM1H:exon2;ST=-
 ID=12_btw_PPM1H_AVPR1A;LOC=intergenic;DS=AVPR1A;US=PPM1H
 ID=LRRC73_intron_btw_exon5_6;LOC=intron;PH=1;DS=LRRC73:exon5;US=LRRC73:exon6;ST=- ID=LRRC73_exon5;LOC=exon;CDS=1;ST=-
 ID=12_btw_AVPR1A_DPY19L2;LOC=intergenic;DS=DPY19L2;US=AVPR1A

ID=FAS_exon3;LOC=exon;CDS=1;ST=+ ID=FAS_intron_bt看_exon3_4;LOC=intron;PH=1;DS=FAS:exon4;
 ID=C6orf138_intron_bt看_exon2_3;LOC=intron;PH=1;DS=C6orf138:exon2;US=C6orf138:exon3;ST=-
 ID=7_bt看_SEC61G_EGFR;LOC=intergenic;DS=EGFR;US=SEC61G
 ID=7_bt看_SEC61G_EGFR;LOC=intergenic;DS=EGFR;US=SEC61G
 ID=7_bt看_EGFR_LANCL2;LOC=intergenic;DS=LANCL2;US=EGFR
 ID=SLC24A2_exon1;LOC=exon;CDS=1;ST=-
 ID=SLC24A2_exon1;LOC=exon;CDS=1;ST=-
 ID=KIAA1797_intron_bt看_exon42_43;LOC=intron;PH=2;DS=KIAA1797:exon43;US=KIAA1797:exon42
 ID=SLC24A2_exon1;LOC=exon;CDS=1;ST=-
 ID=7_bt看_POM121L12_VSTM2A;LOC=intergenic;DS=VSTM2A;US=POM121L12
 ID=EGFR_exon7;LOC=exon;CDS=1;ST=+ ID=EGFR_intron_bt看_exon7_8;LOC=intron;PH=1;DS=EGFR:exon7
 ID=ZDHHC23_exon2;LOC=exon;CDS=1;ST=+ ID=ZDHHC23_intron_bt看_exon2_3;LOC=intron;PH=2;DS=ZDHHC23:exon2
 ID=RASA2_intron_bt看_exon3_4;LOC=intron;PH=1;DS=RASA2:exon4;US=RASA2:exon3;ST=+
 ID=CLSTN2_intron_bt看_exon8_9;LOC=intron;PH=0;DS=CLSTN2:exon9;US=CLSTN2:exon8;ST=+
 ID=7_bt看_SEC61G_EGFR;LOC=intergenic;DS=EGFR;US=SEC61G
 ID=RORA_intron_bt看_exon3_4;LOC=intron;PH=1;DS=RORA:exon3;US=RORA:exon4;ST=-
 ID=SEPT14_intron_bt看_exon9_10;LOC=intron;PH=0;DS=SEPT14:exon9;US=SEPT14:exon10;ST=-
 ID=7_bt看_MTPN_CHRM2;LOC=intergenic;DS=CHRM2;US=MTPN
 ID=19_bt看_S1PR2_MRPL4;LOC=intergenic;DS=MRPL4;US=S1PR2
 ID=ZNF136_exon1_5utr;LOC=utr5;CDS=0;ST=+ ID=ZNF136_exon1;LOC=exon;CDS=1;ST=+ ID=ZNF136:exon1
 ID=MAST1_intron_bt看_exon4_5;LOC=intron;PH=0;DS=MAST1:exon5;US=MAST1:exon4;ST=+ ID=MAST1:exon4
 ID=GCDH_intron_bt看_exon6_7;LOC=intron;PH=2;DS=GCDH:exon7;US=GCDH:exon6;ST=+
 ID=ADAMTS10_exon12;LOC=exon;CDS=1;ST=- ID=ADAMTS10_intron_bt看_exon11_12;LOC=intron;PH=1;DS=ADAMTS10:exon11
 ID=20_bt看_DOK5_CBLN4;LOC=intergenic;DS=CBLN4;US=DOK5
 ID=7_bt看_CNPY1_RBM33;LOC=intergenic;DS=RBM33;US=CNPY1
 ID=EGFR_intron_bt看_exon7_8;LOC=intron;PH=1;DS=EGFR:exon8;US=EGFR:exon7;ST=+ ID=EGFR:exon7
 ID=7_bt看_SEC61G_EGFR;LOC=intergenic;DS=EGFR;US=SEC61G
 ID=EGFR_exon25;LOC=exon;CDS=1;ST=+
 ID=GON4L_intron_bt看_exon21_22;LOC=intron;PH=0;DS=GON4L:exon21;US=GON4L:exon22;ST=-
 ID=OR1L6_exon1;LOC=exon;CDS=1;ST=+
 ID=14_bt看_ADAM6_immunoglobulin heavy chain;LOC=intergenic;DS=immunoglobulin heavy chain;US=ADAM6
 ID=BAZ2A_exon20;LOC=exon;CDS=1;ST=-
 ID=X_bt看_RBMX2_ENOX2;LOC=intergenic;DS=ENOX2;US=RBMX2
 ID=PXDN_intron_bt看_exon17_18;LOC=intron;PH=2;DS=PXDN:exon17;US=PXDN:exon18;ST=- ID=PXDN:exon17
 ID=X_bt看_ARMCX2_NXF5;LOC=intergenic;DS=NXF5;US=ARMCX2
 ID=13_bt看_DIAPH3_TDRD3;LOC=intergenic;DS=TDRD3;US=DIAPH3
 ID=CASD1_intron_bt看_exon2_3;LOC=intron;PH=2;DS=CASD1:exon3;US=CASD1:exon2;ST=+ ID=CASD1:exon2
 ID=7_bt看_CR618371_LANCL2;LOC=intergenic;DS=LANCL2;US=CR618371 ID=EGFR_exon24;LOC=exon;CDS=1;ST=+
 ID=LIMK1_exon7;LOC=exon;CDS=1;ST=+ ID=LIMK1_intron_bt看_exon7_8;LOC=intron;PH=2;DS=LIMK1:exon7
 ID=12_bt看_XRCC6BP1_LRIG3;LOC=intergenic;DS=LRIG3;US=XRCC6BP1
 ID=12_bt看_XRCC6BP1_LRIG3;LOC=intergenic;DS=LRIG3;US=XRCC6BP1

ID=12_btw_XRCC6BP1_LRIG3;LOC=intergenic;DS=LRIG3;US=XRCC6BP1
 ID=2_btw_LOC339788_ID2;LOC=intergenic;DS=ID2;US=LOC339788
 ID=WRAP53_exon1;LOC=exon;CDS=1;ST=+ ID=WRAP53_intron_btw_exon1_2;LOC=intron;PH=2;DS=WRAP53_intron_btw_exon1_2;LOC=intron;PH=2;DS=WRAP53_intron_btw_exon1_2
 ID=KIAA0753_intron_btw_exon15_16;LOC=intron;PH=0;DS=KIAA0753:exon15;US=KIAA0753:exon16
 ID=17_btw_ODF4_KRBA2;LOC=intergenic;DS=KRBA2;US=ODF4
 ID=KIDINS220_exon14;LOC=exon;CDS=1;ST=-
 ID=PAICS_intron_btw_exon1_2;LOC=intron;PH=1;DS=PAICS:exon2;US=PAICS:exon1;ST=+ ID=PAICS_exon2;LOC=exon;CDS=1;ST=+ ID=PAICS_exon2;LOC=exon;CDS=1;ST=+
 ID=4_btw_GSX2_PDGFR;LOC=intergenic;DS=PDGFR;US=GSX2
 ID=ZFYVE9_exon4;LOC=exon;CDS=1;ST=+
 ID=TDG_exon10;LOC=exon;CDS=1;ST=+
 ID=19_btw_CEACAM20_LOC147710;LOC=intergenic;DS=LOC147710;US=CEACAM20
 ID=15_btw_AVEN_C15orf24;LOC=intergenic;DS=C15orf24;US=AVEN ID=CHRM5_exon2;LOC=exon;CDS=1;ST=+ ID=CHRM5_exon2;LOC=exon;CDS=1;ST=+
 ID=EGFR_intron_btw_exon7_8;LOC=intron;PH=1;DS=EGFR:exon8;US=EGFR:exon7;ST=+ ID=EGFR_exon8;LOC=exon;CDS=1;ST=+ ID=EGFR_exon8;LOC=exon;CDS=1;ST=+
 ID=EGFR_intron_btw_exon7_8;LOC=intron;PH=1;DS=EGFR:exon8;US=EGFR:exon7;ST=+ ID=EGFR_exon8;LOC=exon;CDS=1;ST=+ ID=EGFR_exon8;LOC=exon;CDS=1;ST=+
 ID=ST6GALNAC3_intron_btw_exon1_2;LOC=intron;PH=0;DS=ST6GALNAC3:exon2;US=ST6GALNAC3:exon2;LOC=exon;CDS=1;ST=+ ID=ST6GALNAC3:exon2;LOC=exon;CDS=1;ST=+
 ID=FAM44B_intron_btw_exon2_3;LOC=intron;PH=2;DS=FAM44B:exon2;US=FAM44B:exon3;ST=- ID=FAM44B:exon2;LOC=exon;CDS=1;ST=- ID=FAM44B:exon2;LOC=exon;CDS=1;ST=-
 ID=HCCS_intron_btw_exon4_5;LOC=intron;PH=2;DS=HCCS:exon5;US=HCCS:exon4;ST=+ ID=HCCS:exon5;LOC=exon;CDS=1;ST=+ ID=HCCS:exon5;LOC=exon;CDS=1;ST=+
 ID=X_btw_OR13H1_MST4;LOC=intergenic;DS=MST4;US=OR13H1
 ID=12_btw_BC019026_TSPAN31;LOC=intergenic;DS=TSPAN31;US=BC019026 ID=AGAP2_exon9;LOC=exon;CDS=1;ST=+ ID=AGAP2_exon9;LOC=exon;CDS=1;ST=+
 ID=12_btw_XRCC6BP1_LRIG3;LOC=intergenic;DS=LRIG3;US=XRCC6BP1
 ID=12_btw_XRCC6BP1_LRIG3;LOC=intergenic;DS=LRIG3;US=XRCC6BP1
 ID=12_btw_MARCH9_CYP27B1;LOC=intergenic;DS=CYP27B1;US=MARCH9
 ID=LRIG3_exon13;LOC=exon;CDS=1;ST=- ID=LRIG3_intron_btw_exon12_13;LOC=intron;PH=1;DS=LRIG3_intron_btw_exon12_13;LOC=intron;PH=1;DS=LRIG3_intron_btw_exon12_13
 ID=LRIG3_exon6;LOC=exon;CDS=1;ST=- ID=LRIG3_intron_btw_exon5_6;LOC=intron;PH=2;DS=LRIG3_intron_btw_exon5_6;LOC=intron;PH=2;DS=LRIG3_intron_btw_exon5_6
 ID=12_btw_LRIG3_SLC16A7;LOC=intergenic;DS=SLC16A7;US=LRIG3
 ID=8_btw_EFCAB1_SNAI2;LOC=intergenic;DS=SNAI2;US=EFCAB1
 ID=C5AR1_exon1_5utr;LOC=utr5;CDS=0;ST=+ ID=C5AR1_exon1;LOC=exon;CDS=1;ST=+ ID=C5AR1_intron_btw_exon1_2;LOC=intron;PH=2;DS=C5AR1_intron_btw_exon1_2;LOC=intron;PH=2;DS=C5AR1_intron_btw_exon1_2
 ID=7_btw_DKFZp564N2472_HPVC1;LOC=intergenic;DS=HPVC1;US=DKFZp564N2472
 ID=EGFR_exon25;LOC=exon;CDS=1;ST=+ ID=EGFR_intron_btw_exon25_26;LOC=intron;PH=0;DS=EGFR_intron_btw_exon25_26;LOC=intron;PH=0;DS=EGFR_intron_btw_exon25_26
 ID=5_btw_AX747550_COMMD10;LOC=intergenic;DS=COMMD10;US=AX747550 ID=LVRN_intron_btw_exon1_2;LOC=intron;PH=2;DS=LVRN_intron_btw_exon1_2;LOC=intron;PH=2;DS=LVRN_intron_btw_exon1_2
 ID=NFASC_intron_btw_exon20_21;LOC=intron;PH=1;DS=NFASC:exon21;US=NFASC:exon20;ST=+ ID=NFASC:exon21;LOC=exon;CDS=1;ST=+ ID=NFASC:exon21;LOC=exon;CDS=1;ST=+
 ID=SPATA8_intron_btw_exon1_2;LOC=intron;PH=2;DS=SPATA8:exon2;US=SPATA8:exon1;ST=+ ID=SPATA8:exon2;LOC=exon;CDS=1;ST=+ ID=SPATA8:exon2;LOC=exon;CDS=1;ST=+
 ID=18_btw_ZNF407_ZADH2;LOC=intergenic;DS=ZADH2;US=ZNF407
 ID=SORT1_exon20_3utr;LOC=utr3;CDS=0;ST=-
 ID=PLA1A_intron_btw_exon8_9;LOC=intron;PH=1;DS=PLA1A:exon9;US=PLA1A:exon8;ST=+ ID=PLA1A:exon9;LOC=exon;CDS=1;ST=+ ID=PLA1A:exon9;LOC=exon;CDS=1;ST=+
 ID=EGFR_intron_btw_exon1_2;LOC=intron;PH=1;DS=EGFR:exon2;US=EGFR:exon1;ST=+ ID=EGFR:exon2;LOC=exon;CDS=1;ST=+ ID=EGFR:exon2;LOC=exon;CDS=1;ST=+
 ID=PAPD5_exon7;LOC=exon;CDS=1;ST=+
 ID=7_btw_SEC61G_EGFR;LOC=intergenic;DS=EGFR;US=SEC61G
 ID=EGFR_intron_btw_exon1_2;LOC=intron;PH=1;DS=EGFR:exon2;US=EGFR:exon1;ST=+ ID=EGFR:exon2;LOC=exon;CDS=1;ST=+ ID=EGFR:exon2;LOC=exon;CDS=1;ST=+
 ID=7_btw_MRPS33_AL359605;LOC=intergenic;DS=AL359605;US=MRPS33

ID=EGFR_intron_btw_exon1_2;LOC=intron;PH=1;DS=EGFR:exon2;US=EGFR:exon1;ST=+
 ID=7_btw_SEC61G_EGFR;LOC=intergenic;DS=EGFR;US=SEC61G
 ID=EGFR_intron_btw_exon7_8;LOC=intron;PH=1;DS=EGFR:exon8;US=EGFR:exon7;ST=+ ID=EGFR_exc
 ID=EGFR_intron_btw_exon7_8;LOC=intron;PH=1;DS=EGFR:exon8;US=EGFR:exon7;ST=+
 na
 ID=PSMC4_intron_btw_exon9_10;LOC=intron;PH=1;DS=PSMC4:exon10;US=PSMC4:exon9;ST=+ ID=P
 ID=MLLT1_intron_btw_exon11_12;LOC=intron;PH=0;DS=MLLT1:exon11;US=MLLT1:exon12;ST=- ID=I
 ID=8_btw_TRIB1_BX648371;LOC=intergenic;DS=BX648371;US=TRIB1
 ID=MMP12_intron_btw_exon10_11;LOC=intron;PH=1;DS=MMP12:exon10;US=MMP12:exon11;ST=-
 ID=C6orf204_exon9;LOC=exon;CDS=1;ST=- ID=C6orf204_intron_btw_exon8_9;LOC=intron;PH=2;DS=
 ID=SUDS3_intron_btw_exon6_7;LOC=intron;PH=1;DS=SUDS3:exon7;US=SUDS3:exon6;ST=+
 ID=SEC61G_exon2_3utr;LOC=utr3;CDS=0;ST=- ID=SEC61G_exon2;LOC=exon;CDS=1;ST=- ID=SEC61G_
 ID=12_btw_CTDSP2_XRCC6BP1;LOC=intergenic;DS=XRCC6BP1;US=CTDSP2
 ID=KLHL13_intron_btw_exon1_2;LOC=intron;PH=2;DS=KLHL13:exon1;US=KLHL13:exon2;ST=-
 ID=Y_btw_TSPY1_USP9Y;LOC=intergenic;DS=USP9Y;US=TSPY1
 ID=GBP4_exon10;LOC=exon;CDS=1;ST=-
 ID=DPY19L2_exon1_3utr;LOC=utr3;CDS=0;ST=- ID=DPY19L2_exon1;LOC=exon;CDS=1;ST=- ID=DPY19L
 ID=GPR182_exon2;LOC=exon;CDS=1;ST=+
 ID=FGFR3_exon17;LOC=exon;CDS=1;ST=+ ID=FGFR3_intron_btw_exon17_18;LOC=intron;PH=0;DS=F
 ID=PDE1B_intron_btw_exon6_7;LOC=intron;PH=0;DS=PDE1B:exon7;US=PDE1B:exon6;ST=+ ID=PDE1
 ID=SKA3_intron_btw_exon5_6;LOC=intron;PH=1;DS=SKA3:exon5;US=SKA3:exon6;ST=- ID=SKA3_exon
 ID=SCAI_intron_btw_exon7_8;LOC=intron;PH=2;DS=SCAI:exon7;US=SCAI:exon8;ST=- ID=SCAI_exon7,
 ID=AP1B1_exon11;LOC=exon;CDS=1;ST=-
 ID=SEPT14_intron_btw_exon8_9;LOC=intron;PH=2;DS=SEPT14:exon8;US=SEPT14:exon9;ST=- ID=SEP
 ID=AP1B1_exon11;LOC=exon;CDS=1;ST=- ID=AP1B1_intron_btw_exon10_11;LOC=intron;PH=2;DS=AI
 ID=12_btw_SLC35E3_MDM2;LOC=intergenic;DS=MDM2;US=SLC35E3
 ID=AVL9_intron_btw_exon1_2;LOC=intron;PH=0;DS=AVL9:exon2;US=AVL9:exon1;ST=+
 ID=SLC37A3_intron_btw_exon3_4;LOC=intron;PH=0;DS=SLC37A3:exon3;US=SLC37A3:exon4;ST=-
 ID=7_btw_POM121L12_VSTM2A;LOC=intergenic;DS=VSTM2A;US=POM121L12
 ID=SAMD15_exon1;LOC=exon;CDS=1;ST=+
 ID=EGFR_intron_btw_exon7_8;LOC=intron;PH=1;DS=EGFR:exon8;US=EGFR:exon7;ST=+ ID=EGFR_exc
 ID=PRKRA_intron_btw_exon3_4;LOC=intron;PH=2;DS=PRKRA:exon3;US=PRKRA:exon4;ST=- ID=PRKR
 ID=ATR_intron_btw_exon24_25;LOC=intron;PH=2;DS=ATR:exon24;US=ATR:exon25;ST=-
 ID=7_btw_TPK1_CNTNAP2;LOC=intergenic;DS=CNTNAP2;US=TPK1
 ID=7_btw_EGFR_LANCL2;LOC=intergenic;DS=LANCL2;US=EGFR
 ID=9_btw_DEC1_PAPPA;LOC=intergenic;DS=PAPPA;US=DEC1
 na
 ID=SRGAP3_intron_btw_exon8_9;LOC=intron;PH=0;DS=SRGAP3:exon8;US=SRGAP3:exon9;ST=- ID=SI
 ID=12_btw_CYP1_METTL1;LOC=intergenic;DS=METTL1;US=CYP1 ID=CYP27B1_exon1_5utr;LOC=utr5;
 ID=COG4_intron_btw_exon12_13;LOC=intron;PH=0;DS=COG4:exon12;US=COG4:exon13;ST=-
 ID=EGFR_intron_btw_exon7_8;LOC=intron;PH=1;DS=EGFR:exon8;US=EGFR:exon7;ST=+ ID=EGFR_exc

ID=TSPAN31_exon3;LOC=exon;CDS=1;ST=+
 ID=19_btw_VN1R2_VN1R4;LOC=intergenic;DS=VN1R4;US=VN1R2 ID=VN1R4_exon1;LOC=exon;CDS=1;ST=+
 ID=20_btw_BANF2_SNX5;LOC=intergenic;DS=SNX5;US=BANF2
 ID=ECSIT_exon8_3utr;LOC=utr3;CDS=0;ST=- ID=ECSIT_exon8_5utr;LOC=utr5;CDS=0;ST=- ID=ECSIT_exon8_3utr;LOC=utr3;CDS=0;ST=-
 ID=DKC1_exon4;LOC=exon;CDS=1;ST=+ ID=DKC1_intron_btw_exon4_5;LOC=intron;PH=2;DS=DKC1:exon4;US=DKC1:exon5;ST=+
 ID=5_btw_TMCO6_IK;LOC=intergenic;DS=IK;US=TMCO6 ID=NDUFA2_exon2;LOC=exon;CDS=1;ST=- ID=NDUFA2_exon2;LOC=exon;CDS=1;ST=-
 ID=Y_btw_TSPY1_USP9Y;LOC=intergenic;DS=USP9Y;US=TSPY1
 ID=EGFR_exon7;LOC=exon;CDS=1;ST=+ ID=EGFR_intron_btw_exon7_8;LOC=intron;PH=1;DS=EGFR:exon7;US=EGFR:exon8;ST=+
 ID=JOSD2_exon2_3utr;LOC=utr3;CDS=0;ST=- ID=JOSD2_exon2;LOC=exon;CDS=1;ST=- ID=JOSD2_exon2;LOC=exon;CDS=1;ST=-
 ID=EGFR_exon25;LOC=exon;CDS=1;ST=+ ID=EGFR_intron_btw_exon25_26;LOC=intron;PH=0;DS=EGFR:exon25;US=EGFR:exon26;ST=+
 ID=Y_btw_TSPY1_USP9Y;LOC=intergenic;DS=USP9Y;US=TSPY1
 ID=7_btw_EGFR_LANCL2;LOC=intergenic;DS=LANCL2;US=EGFR
 ID=7_btw_EGFR_LANCL2;LOC=intergenic;DS=LANCL2;US=EGFR
 ID=ATP8B1_exon21;LOC=exon;CDS=1;ST=-
 ID=DCBLD1_intron_btw_exon14_15;LOC=intron;PH=1;DS=DCBLD1:exon15;US=DCBLD1:exon14;ST=+
 ID=FAM135B_exon13;LOC=exon;CDS=1;ST=- ID=FAM135B_intron_btw_exon12_13;LOC=intron;PH=1;DS=FAM135B:exon13;US=FAM135B:exon12;ST=-
 ID=1_btw_UTS2_TNFRSF9;LOC=intergenic;DS=TNFRSF9;US=UTS2
 ID=DCAKD_intron_btw_exon3_4;LOC=intron;PH=2;DS=DCAKD:exon3;US=DCAKD:exon4;ST=-
 ID=ALG11_exon4_3utr;LOC=utr3;CDS=0;ST=+ ID=UTP14C_exon1;LOC=exon;CDS=1;ST=+
 ID=C3orf15_intron_btw_exon9_10;LOC=intron;PH=1;DS=C3orf15:exon10;US=C3orf15:exon9;ST=+ ID=C3orf15_intron_btw_exon9_10;LOC=intron;PH=1;DS=C3orf15:exon10;US=C3orf15:exon9;ST=+
 ID=7_btw_SEC61G_EGFR;LOC=intergenic;DS=EGFR;US=SEC61G
 ID=7_btw_HPVC1_VSTM2A;LOC=intergenic;DS=VSTM2A;US=HPVC1
 ID=7_btw_GRM8_ZNF800;LOC=intergenic;DS=ZNF800;US=GRM8
 ID=EGFR_exon25;LOC=exon;CDS=1;ST=+ ID=EGFR_intron_btw_exon25_26;LOC=intron;PH=0;DS=EGFR:exon25;US=EGFR:exon26;ST=+
 ID=X_btw_IRS4_GUCY2F;LOC=intergenic;DS=GUCY2F;US=IRS4
 ID=RIMS1_intron_btw_exon2_3;LOC=intron;PH=2;DS=RIMS1:exon3;US=RIMS1:exon2;ST=+
 ID=DLG5_intron_btw_exon27_28;LOC=intron;PH=1;DS=DLG5:exon27;US=DLG5:exon28;ST=- ID=DLG5_intron_btw_exon27_28;LOC=intron;PH=1;DS=DLG5:exon27;US=DLG5:exon28;ST=-
 ID=SAMSN1_exon8_3utr;LOC=utr3;CDS=0;ST=- ID=SAMSN1_exon8;LOC=exon;CDS=1;ST=-
 ID=22_btw_TBC1D22A_FAM19A5;LOC=intergenic;DS=FAM19A5;US=TBC1D22A
 ID=7_btw_SHH_C7orf13;LOC=intergenic;DS=C7orf13;US=SHH
 ID=MFI2_exon14;LOC=exon;CDS=1;ST=- ID=MFI2_intron_btw_exon13_14;LOC=intron;PH=1;DS=MFI2:exon14;US=MFI2:exon13;ST=-
 ID=KPNB1_exon18;LOC=exon;CDS=1;ST=+ ID=KPNB1_intron_btw_exon18_19;LOC=intron;PH=0;DS=KPNB1:exon18;US=KPNB1:exon19;ST=+
 ID=FRAP1_intron_btw_exon47_48;LOC=intron;PH=2;DS=FRAP1:exon47;US=FRAP1:exon48;ST=- ID=FRAP1_intron_btw_exon47_48;LOC=intron;PH=2;DS=FRAP1:exon47;US=FRAP1:exon48;ST=-
 ID=HLA-DRB5_intron_btw_exon1_2;LOC=intron;PH=1;DS=HLA-DRB5:exon1;US=HLA-DRB5:exon2;ST=+
 ID=EXOSC10_intron_btw_exon3_4;LOC=intron;PH=0;DS=EXOSC10:exon3;US=EXOSC10:exon4;ST=- ID=EXOSC10_intron_btw_exon3_4;LOC=intron;PH=0;DS=EXOSC10:exon3;US=EXOSC10:exon4;ST=-
 ID=ACTG1_exon3;LOC=exon;CDS=1;ST=-
 ID=C7orf31_exon10_3utr;LOC=utr3;CDS=0;ST=- ID=C7orf31_exon10_5utr;LOC=utr5;CDS=0;ST=- ID=C7orf31_exon10_3utr;LOC=utr3;CDS=0;ST=-
 ID=EGFR_intron_btw_exon7_8;LOC=intron;PH=1;DS=EGFR:exon8;US=EGFR:exon7;ST=+
 ID=EGFR_exon15;LOC=exon;CDS=1;ST=+ ID=EGFR_intron_btw_exon15_16;LOC=intron;PH=2;DS=EGFR:exon15;US=EGFR:exon16;ST=+
 ID=EGFR_intron_btw_exon12_13;LOC=intron;PH=1;DS=EGFR:exon13;US=EGFR:exon12;ST=+ ID=EGFR_intron_btw_exon12_13;LOC=intron;PH=1;DS=EGFR:exon13;US=EGFR:exon12;ST=+
 na

ID=16_btw_CES2_CES3;LOC=intergenic;DS=CES3;US=CES2
 ID=GARNL3_intron_btw_exon22_23;LOC=intron;PH=1;DS=GARNL3:exon23;US=GARNL3:exon22;ST=-
 ID=KCNT1_intron_btw_exon1_2;LOC=intron;PH=2;DS=KCNT1:exon2;US=KCNT1:exon1;ST=+
 ID=METTLL2B_exon3;LOC=exon;CDS=1;ST=+
 ID=10_btw_SMNDC1_DUSP5;LOC=intergenic;DS=DUSP5;US=SMNDC1
 ID=7_btw_NPSR1_DPY19L1;LOC=intergenic;DS=DPY19L1;US=NPSR1
 ID=CAPZB_intron_btw_exon1_2;LOC=intron;PH=0;DS=CAPZB:exon1;US=CAPZB:exon2;ST=-
 ID=THRA_intron_btw_exon4_5;LOC=intron;PH=0;DS=THRA:exon5;US=THRA:exon4;ST=+ ID=THRA_ex
 ID=14_btw_BMP4_CDKN3;LOC=intergenic;DS=CDKN3;US=BMP4
 ID=HCRTR1_intron_btw_exon3_4;LOC=intron;PH=1;DS=HCRTR1:exon4;US=HCRTR1:exon3;ST=+ ID=H
 ID=NACA_exon3;LOC=exon;CDS=1;ST=-
 ID=CES8_intron_btw_exon8_9;LOC=intron;PH=0;DS=CES8:exon9;US=CES8:exon8;ST=+ ID=CES8_exor
 ID=2_btw_APOB_FLJ14106;LOC=intergenic;DS=FLJ14106;US=APOB
 ID=NUP107_intron_btw_exon18_19;LOC=intron;PH=1;DS=NUP107:exon19;US=NUP107:exon18;ST=+
 ID=BAG1_intron_btw_exon3_4;LOC=intron;PH=0;DS=BAG1:exon3;US=BAG1:exon4;ST=- ID=BAG1_ex
 ID=7_btw_BUD31_CPSF4;LOC=intergenic;DS=CPSF4;US=BUD31 ID=PTCD1_exon6;LOC=exon;CDS=1;S
 ID=1_btw_ESRRG_GPATCH2;LOC=intergenic;DS=GPATCH2;US=ESRRG
 ID=1_btw_TNFSF18_TNFSF4;LOC=intergenic;DS=TNFSF4;US=TNFSF18
 ID=1_btw_TNFSF4_PRDX6;LOC=intergenic;DS=PRDX6;US=TNFSF4
 ID=KMO_intron_btw_exon1_2;LOC=intron;PH=0;DS=KMO:exon2;US=KMO:exon1;ST=+
 na
 ID=PPM1H_intron_btw_exon4_5;LOC=intron;PH=2;DS=PPM1H:exon4;US=PPM1H:exon5;ST=-
 ID=DPY19L2_intron_btw_exon4_5;LOC=intron;PH=0;DS=DPY19L2:exon4;US=DPY19L2:exon5;ST=-
 ID=NUP107_intron_btw_exon8_9;LOC=intron;PH=0;DS=NUP107:exon9;US=NUP107:exon8;ST=+
 ID=7_btw_GASP_FKBP9L;LOC=intergenic;DS=FKBP9L;US=GASP ID=7_btw_ECOP_FKBP9L;LOC=interge
 ID=7_btw_GASP_FKBP9L;LOC=intergenic;DS=FKBP9L;US=GASP ID=7_btw_ECOP_FKBP9L;LOC=interge
 ID=7_btw_GASP_FKBP9L;LOC=intergenic;DS=FKBP9L;US=GASP ID=7_btw_ECOP_FKBP9L;LOC=interge
 ID=LANCL2_intron_btw_exon1_2;LOC=intron;PH=0;DS=LANCL2:exon2;US=LANCL2:exon1;ST=+
 ID=OR2S2_exon1_3utr;LOC=utr3;CDS=0;ST=- ID=OR2S2_exon1;LOC=exon;CDS=1;ST=- ID=OR2S2_exo
 ID=OR1N2_exon1;LOC=exon;CDS=1;ST=+
 ID=7_btw_SEC61G_EGFR;LOC=intergenic;DS=EGFR;US=SEC61G
 ID=EGFR_exon4;LOC=exon;CDS=1;ST=+ ID=EGFR_intron_btw_exon4_5;LOC=intron;PH=1;DS=EGFR:ex
 ID=EGFR_intron_btw_exon7_8;LOC=intron;PH=1;DS=EGFR:exon8;US=EGFR:exon7;ST=+ ID=EGFR_exc
 ID=EGFR_intron_btw_exon4_5;LOC=intron;PH=1;DS=EGFR:exon5;US=EGFR:exon4;ST=+ ID=EGFR_exc
 ID=4_btw_ATP8A1_GRXCR1;LOC=intergenic;DS=GRXCR1;US=ATP8A1
 ID=9_btw_KIAA1984_LOC389813;LOC=intergenic;DS=LOC389813;US=KIAA1984 ID=C9orf86_intron_b
 ID=EGFR_intron_btw_exon7_8;LOC=intron;PH=1;DS=EGFR:exon8;US=EGFR:exon7;ST=+ ID=EGFR_exc
 ID=ROPN1L_exon4;LOC=exon;CDS=1;ST=+
 ID=ROPN1L_intron_btw_exon3_4;LOC=intron;PH=0;DS=ROPN1L:exon4;US=ROPN1L:exon3;ST=+
 ID=21_btw_C21orf91_CHODL;LOC=intergenic;DS=CHODL;US=C21orf91
 ID=ROPN1L_exon4;LOC=exon;CDS=1;ST=+ ID=ROPN1L_intron_btw_exon4_5;LOC=intron;PH=2;DS=R(

ID=5_btw_CTNN2_DNAH5;LOC=intergenic;DS=DNAH5;US=CTNN2
 ID=7_btw_PSPase_DQ581928;LOC=intergenic;DS=DQ581928;US=PSPase
 ID=SLC5A4_intron_btw_exon4_5;LOC=intron;PH=0;DS=SLC5A4:exon4;US=SLC5A4:exon5;ST=- ID=SLC
 ID=1_btw_TACSTD2_MYSM1;LOC=intergenic;DS=MYSM1;US=TACSTD2
 ID=9_btw_RANBP6_IL33;LOC=intergenic;DS=IL33;US=RANBP6
 na
 ID=GLT8D2_intron_btw_exon4_5;LOC=intron;PH=1;DS=GLT8D2:exon4;US=GLT8D2:exon5;ST=-
 ID=12_btw_PPFIA2_CCDC59;LOC=intergenic;DS=CCDC59;US=PPFIA2
 ID=7_btw_SEC61G_EGFR;LOC=intergenic;DS=EGFR;US=SEC61G
 ID=BCLAF1_intron_btw_exon7_8;LOC=intron;PH=2;DS=BCLAF1:exon7;US=BCLAF1:exon8;ST=- ID=BCI
 ID=MYBPC1_intron_btw_exon15_16;LOC=intron;PH=1;DS=MYBPC1:exon16;US=MYBPC1:exon15;ST=-
 ID=NUP107_intron_btw_exon20_21;LOC=intron;PH=0;DS=NUP107:exon21;US=NUP107:exon20;ST=-
 ID=MDM2_intron_btw_exon4_5;LOC=intron;PH=2;DS=MDM2:exon5;US=MDM2:exon4;ST=+ ID=MDI
 ID=L2HGDH_exon4;LOC=exon;CDS=1;ST=-
 ID=ONECUT3_intron_btw_exon1_2;LOC=intron;PH=1;DS=ONECUT3:exon2;US=ONECUT3:exon1;ST=+
 ID=18_btw_VPS4B_SERPINB5;LOC=intergenic;DS=SERPINB5;US=VPS4B
 ID=17_btw_RAB11FIP4_C17orf79;LOC=intergenic;DS=C17orf79;US=RAB11FIP4
 ID=19_btw_ZSCAN18_ZNF329;LOC=intergenic;DS=ZNF329;US=ZSCAN18
 ID=OTOF_intron_btw_exon9_10;LOC=intron;PH=0;DS=OTOF:exon9;US=OTOF:exon10;ST=-
 ID=PDE1A_intron_btw_exon5_6;LOC=intron;PH=0;DS=PDE1A:exon5;US=PDE1A:exon6;ST=- ID=PDE1.
 ID=12_btw_CAND1_DYRK2;LOC=intergenic;DS=DYRK2;US=CAND1
 ID=FAM19A2_intron_btw_exon4_5;LOC=intron;PH=0;DS=FAM19A2:exon4;US=FAM19A2:exon5;ST=-
 ID=NUP107_intron_btw_exon15_16;LOC=intron;PH=0;DS=NUP107:exon16;US=NUP107:exon15;ST=-
 ID=ITGA4_intron_btw_exon25_26;LOC=intron;PH=0;DS=ITGA4:exon26;US=ITGA4:exon25;ST=+
 ID=5_btw_FLJ11235_APC;LOC=intergenic;DS=APC;US=FLJ11235
 ID=TDG_exon10;LOC=exon;CDS=1;ST=+ ID=TDG_exon10_3utr;LOC=utr3;CDS=0;ST=+
 ID=KIAA0182_intron_btw_exon13_14;LOC=intron;PH=1;DS=KIAA0182:exon14;US=KIAA0182:exon13
 ID=EGFR_exon24;LOC=exon;CDS=1;ST=+
 ID=5_btw_NR3C1_HMHB1;LOC=intergenic;DS=HMHB1;US=NR3C1
 ID=9_btw_DMRTA1_ELAVL2;LOC=intergenic;DS=ELAVL2;US=DMRTA1
 ID=RTTN_intron_btw_exon12_13;LOC=intron;PH=0;DS=RTTN:exon12;US=RTTN:exon13;ST=- ID=RTTN
 ID=7_btw_FAM126A_KLHL7;LOC=intergenic;DS=KLHL7;US=FAM126A
 ID=C9orf131_exon2;LOC=exon;CDS=1;ST=+ ID=C9orf131_exon2_3utr;LOC=utr3;CDS=0;ST=+
 ID=EGFR_exon27;LOC=exon;CDS=1;ST=+ ID=EGFR_intron_btw_exon27_28;LOC=intron;PH=1;DS=EGF
 ID=EGFR_intron_btw_exon26_27;LOC=intron;PH=0;DS=EGFR:exon27;US=EGFR:exon26;ST=+
 ID=CCDC129_intron_btw_exon4_5;LOC=intron;PH=1;DS=CCDC129:exon5;US=CCDC129:exon4;ST=+
 ID=10_btw_ZWINT_IPMK;LOC=intergenic;DS=IPMK;US=ZWINT
 ID=MED1_intron_btw_exon13_14;LOC=intron;PH=0;DS=MED1:exon13;US=MED1:exon14;ST=-
 ID=2_btw_RAB1A_ACTR2;LOC=intergenic;DS=ACTR2;US=RAB1A
 ID=CHD9_exon31;LOC=exon;CDS=1;ST=+
 ID=12_btw_MARCH9_CYP27B1;LOC=intergenic;DS=CYP27B1;US=MARCH9 ID=CYP27B1_exon9_3utr;l

ID=CLPTM1L_exon3;LOC=exon;CDS=1;ST=-
 ID=6_btw_OFCC1_TFAP2A;LOC=intergenic;DS=TFAP2A;US=OFCC1
 ID=6_btw_ELOVL2_BC032356;LOC=intergenic;DS=BC032356;US=ELOVL2
 ID=6_btw_TMEM170B_C6orf105;LOC=intergenic;DS=C6orf105;US=TMEM170B
 ID=GPR116_intron_btw_exon18_19;LOC=intron;PH=0;DS=GPR116:exon18;US=GPR116:exon19;ST=-
 ID=MEP1A_exon9;LOC=exon;CDS=1;ST=+ ID=MEP1A_intron_btw_exon9_10;LOC=intron;PH=1;DS=M
 ID=14_btw_SEL1L_FLRT2;LOC=intergenic;DS=FLRT2;US=SEL1L
 ID=RASD1_exon2_3utr;LOC=utr3;CDS=0;ST=- ID=RASD1_exon2_5utr;LOC=utr5;CDS=0;ST=- ID=RASD1
 ID=CMYA5_exon10;LOC=exon;CDS=1;ST=+ ID=CMYA5_intron_btw_exon10_11;LOC=intron;PH=1;DS=
 ID=7_btw_SEC61G_EGFR;LOC=intergenic;DS=EGFR;US=SEC61G
 ID=TDG_intron_btw_exon9_10;LOC=intron;PH=1;DS=TDG:exon10;US=TDG:exon9;ST=+ ID=TDG_exo
 ID=SEPT14_intron_btw_exon9_10;LOC=intron;PH=0;DS=SEPT14:exon9;US=SEPT14:exon10;ST=-
 ID=5_btw_CARTPT_MAP1B;LOC=intergenic;DS=MAP1B;US=CARTPT
 ID=CCNT1_intron_btw_exon8_9;LOC=intron;PH=0;DS=CCNT1:exon8;US=CCNT1:exon9;ST=-
 ID=ABCC9_intron_btw_exon23_24;LOC=intron;PH=1;DS=ABCC9:exon23;US=ABCC9:exon24;ST=- ID=
 ID=ABCC9_intron_btw_exon33_34;LOC=intron;PH=1;DS=ABCC9:exon33;US=ABCC9:exon34;ST=- ID=
 ID=HDAC1_intron_btw_exon2_3;LOC=intron;PH=0;DS=HDAC1:exon3;US=HDAC1:exon2;ST=+
 ID=PSMD5_intron_btw_exon7_8;LOC=intron;PH=1;DS=PSMD5:exon7;US=PSMD5:exon8;ST=- ID=PSN
 ID=MASP1_intron_btw_exon4_5;LOC=intron;PH=1;DS=MASP1:exon4;US=MASP1:exon5;ST=- ID=MA
 ID=WDYHV1_exon4;LOC=exon;CDS=1;ST=+ ID=WDYHV1_intron_btw_exon4_5;LOC=intron;PH=2;DS=
 ID=12_btw_PHC1_KLRG1;LOC=intergenic;DS=KLRG1;US=PHC1 ID=M6PR_exon5;LOC=exon;CDS=1;ST=
 ID=BAG3_exon4;LOC=exon;CDS=1;ST=+
 ID=EGFR_exon25;LOC=exon;CDS=1;ST=+ ID=EGFR_intron_btw_exon25_26;LOC=intron;PH=0;DS=EGF
 ID=EGFR_intron_btw_exon24_25;LOC=intron;PH=0;DS=EGFR:exon25;US=EGFR:exon24;ST=+ ID=EGF
 ID=1_btw_OR2T34_OR2T10;LOC=intergenic;DS=OR2T10;US=OR2T34
 ID=WDR42A_intron_btw_exon5_6;LOC=intron;PH=0;DS=WDR42A:exon5;US=WDR42A:exon6;ST=- ID
 ID=FAM82B_intron_btw_exon5_6;LOC=intron;PH=0;DS=FAM82B:exon5;US=FAM82B:exon6;ST=-
 ID=FAM71F1_intron_btw_exon4_5;LOC=intron;PH=2;DS=FAM71F1:exon5;US=FAM71F1:exon4;ST=+
 ID=KCNH2_intron_btw_exon7_8;LOC=intron;PH=1;DS=KCNH2:exon7;US=KCNH2:exon8;ST=- ID=KCN
 ID=RYR3_exon66;LOC=exon;CDS=1;ST=+
 ID=COBL_exon7;LOC=exon;CDS=1;ST=- ID=COBL_intron_btw_exon6_7;LOC=intron;PH=0;DS=COBL:ex
 ID=GPNMB_intron_btw_exon9_10;LOC=intron;PH=1;DS=GPNMB:exon10;US=GPNMB:exon9;ST=+
 ID=PCMTD1_exon6_3utr;LOC=utr3;CDS=0;ST=- ID=PCMTD1_exon6_5utr;LOC=utr5;CDS=0;ST=- ID=PC
 ID=HCN2_intron_btw_exon4_5;LOC=intron;PH=0;DS=HCN2:exon5;US=HCN2:exon4;ST=+
 ID=ZNF773_intron_btw_exon3_4;LOC=intron;PH=1;DS=ZNF773:exon4;US=ZNF773:exon3;ST=+ ID=ZN
 ID=EGFR_intron_btw_exon6_7;LOC=intron;PH=0;DS=EGFR:exon7;US=EGFR:exon6;ST=+ ID=EGFR_ex
 ID=7_btw_C7orf10_INHBA;LOC=intergenic;DS=INHBA;US=C7orf10
 ID=SMOC2_intron_btw_exon4_5;LOC=intron;PH=1;DS=SMOC2:exon5;US=SMOC2:exon4;ST=+
 ID=SEPT2_intron_btw_exon7_8;LOC=intron;PH=0;DS=SEPT2:exon8;US=SEPT2:exon7;ST=+ ID=SEPT2_
 ID=EGFR_exon7;LOC=exon;CDS=1;ST=+ ID=EGFR_intron_btw_exon7_8;LOC=intron;PH=1;DS=EGFR:ex
 ID=BCLAF1_exon12;LOC=exon;CDS=1;ST=- ID=BCLAF1_intron_btw_exon11_12;LOC=intron;PH=0;DS=

ID=SMPD1_exon6;LOC=exon;CDS=1;ST=+
 ID=UEVLD_intron_btw_exon7_8;LOC=intron;PH=1;DS=UEVLD:exon7;US=UEVLD:exon8;ST=-
 ID=GRLF1_intron_btw_exon2_3;LOC=intron;PH=1;DS=GRLF1:exon3;US=GRLF1:exon2;ST=+
 ID=11_btw_MRGPRX1_MRGPRX2;LOC=intergenic;DS=MRGPRX2;US=MRGPRX1
 ID=LIG1_intron_btw_exon21_22;LOC=intron;PH=0;DS=LIG1:exon21;US=LIG1:exon22;ST=- ID=LIG1_e
 ID=MAK_intron_btw_exon7_8;LOC=intron;PH=0;DS=MAK:exon7;US=MAK:exon8;ST=-
 ID=SEPT14_intron_btw_exon9_10;LOC=intron;PH=0;DS=SEPT14:exon9;US=SEPT14:exon10;ST=-
 ID=7_btw_GASP_FKBP9L;LOC=intergenic;DS=FKBP9L;US=GASP ID=7_btw_ECOP_FKBP9L;LOC=interge
 ID=7_btw_GASP_FKBP9L;LOC=intergenic;DS=FKBP9L;US=GASP ID=7_btw_ECOP_FKBP9L;LOC=interge
 ID=RNFI11_exon2;LOC=exon;CDS=1;ST=+
 ID=TMEM222_intron_btw_exon1_2;LOC=intron;PH=2;DS=TMEM222:exon2;US=TMEM222:exon1;ST:
 ID=PTPN9_intron_btw_exon1_2;LOC=intron;PH=0;DS=PTPN9:exon1;US=PTPN9:exon2;ST=-
 ID=METTL2B_exon3;LOC=exon;CDS=1;ST=+
 ID=C9orf79_exon4;LOC=exon;CDS=1;ST=+
 ID=TJAP1_exon10;LOC=exon;CDS=1;ST=+
 ID=19_btw_JUND_LSM4;LOC=intergenic;DS=LSM4;US=JUND
 ID=LOC284009_exon3_3utr;LOC=utr3;CDS=0;ST=- ID=LOC284009_exon3_5utr;LOC=utr5;CDS=0;ST=-
 ID=EGFR_intron_btw_exon17_18;LOC=intron;PH=0;DS=EGFR:exon18;US=EGFR:exon17;ST=+ ID=EGFR
 na
 ID=NCAPD3_intron_btw_exon18_19;LOC=intron;PH=1;DS=NCAPD3:exon18;US=NCAPD3:exon19;ST=
 ID=DNAH1_intron_btw_exon21_22;LOC=intron;PH=0;DS=DNAH1:exon22;US=DNAH1:exon21;ST=+ ID
 ID=EGFR_intron_btw_exon24_25;LOC=intron;PH=0;DS=EGFR:exon25;US=EGFR:exon24;ST=+ ID=EGFR
 ID=11_btw_PGR_TRPC6;LOC=intergenic;DS=TRPC6;US=PGR
 ID=NEDD4L_intron_btw_exon5_6;LOC=intron;PH=0;DS=NEDD4L:exon6;US=NEDD4L:exon5;ST=+ ID=N
 ID=RARB_intron_btw_exon2_3;LOC=intron;PH=0;DS=RARB:exon3;US=RARB:exon2;ST=+ ID=RARB_ex
 ID=17_btw_FAM83G_GRAP;LOC=intergenic;DS=GRAP;US=FAM83G ID=SLC5A10_intron_btw_exon11
 ID=EIF3D_intron_btw_exon13_14;LOC=intron;PH=2;DS=EIF3D:exon13;US=EIF3D:exon14;ST=- ID=EIF
 ID=22_btw_CACNG2_RAB14;LOC=intergenic;DS=RAB14;US=CACNG2
 ID=CACNG2_exon3;LOC=exon;CDS=1;ST=- ID=CACNG2_intron_btw_exon2_3;LOC=intron;PH=1;DS=C
 ID=AIM1L_exon10;LOC=exon;CDS=1;ST=- ID=AIM1L_intron_btw_exon9_10;LOC=intron;PH=0;DS=AIM
 ID=SLC23A2_exon11;LOC=exon;CDS=1;ST=- ID=SLC23A2_intron_btw_exon10_11;LOC=intron;PH=0;D
 ID=CAMKV_exon11_3utr;LOC=utr3;CDS=0;ST=- ID=CAMKV_exon11_5utr;LOC=utr5;CDS=0;ST=- ID=C/na
 ID=PTH1R_intron_btw_exon15_16;LOC=intron;PH=0;DS=PTH1R:exon16;US=PTH1R:exon15;ST=+ ID=|
 ID=SEMA3F_exon2_5utr;LOC=utr5;CDS=0;ST=+ ID=SEMA3F_exon2;LOC=exon;CDS=1;ST=+ ID=SEMA3
 ID=19_btw_PSG8_PSG5;LOC=intergenic;DS=PSG5;US=PSG8
 na
 ID=7_btw_C7orf41_ZNRF2;LOC=intergenic;DS=ZNRF2;US=C7orf41
 ID=JAZF1_intron_btw_exon2_3;LOC=intron;PH=2;DS=JAZF1:exon2;US=JAZF1:exon3;ST=-
 ID=PSG3_exon4;LOC=exon;CDS=1;ST=- ID=PSG3_intron_btw_exon3_4;LOC=intron;PH=1;DS=PSG3:ex
 ID=19_btw_ATP5SL_CEACAM21;LOC=intergenic;DS=CEACAM21;US=ATP5SL

ID=7_btw_C7orf41_ZNRF2;LOC=intergenic;DS=ZNRF2;US=C7orf41
 ID=RALA_exon4;LOC=exon;CDS=1;ST=+ ID=RALA_intron_btw_exon4_5;LOC=intron;PH=0;DS=RALA:exon4;US=RALA:intron4_5;ST=-
 ID=ERCC2_intron_btw_exon16_17;LOC=intron;PH=1;DS=ERCC2:exon16;US=ERCC2:exon17;ST=- ID=ERCC2_intron_btw_exon17_18;LOC=intron;PH=1;DS=ERCC2:exon17;US=ERCC2:exon18;ST=-
 ID=ZNF550_intron_btw_exon1_2;LOC=intron;PH=1;DS=ZNF550:exon1;US=ZNF550:exon2;ST=-
 ID=LYPD5_intron_btw_exon1_2;LOC=intron;PH=1;DS=LYPD5:exon1;US=LYPD5:exon2;ST=-
 ID=7_btw_RALA_LOC401327;LOC=intergenic;DS=LOC401327;US=RALA
 ID=7_btw_PSPase_DQ581928;LOC=intergenic;DS=DQ581928;US=PSPase
 ID=EGFR_intron_btw_exon17_18;LOC=intron;PH=0;DS=EGFR:exon18;US=EGFR:exon17;ST=+ ID=EGFR_intron_btw_exon18_19;LOC=intron;PH=0;DS=EGFR:exon19;US=EGFR:exon18;ST=-
 ID=7_btw_COBL_DKFZp564N2472;LOC=intergenic;DS=DKFZp564N2472;US=COBL
 ID=PRKRA_intron_btw_exon6_7;LOC=intron;PH=0;DS=PRKRA:exon6;US=PRKRA:exon7;ST=- ID=PRKRA_intron_btw_exon7_8;LOC=intron;PH=0;DS=PRKRA:exon8;US=PRKRA:exon7;ST=-
 ID=16_btw_SSTR5_C1QTNF8;LOC=intergenic;DS=C1QTNF8;US=SSTR5
 ID=HN1_exon2;LOC=exon;CDS=1;ST=- ID=HN1_intron_btw_exon1_2;LOC=intron;PH=2;DS=HN1:exon1;US=HN1:exon2;ST=-
 ID=X_btw_MID1IP1_BCOR;LOC=intergenic;DS=BCOR;US=MID1IP1
 ID=DCP1A_intron_btw_exon4_5;LOC=intron;PH=2;DS=DCP1A:exon4;US=DCP1A:exon5;ST=-
 ID=SEC14L1_intron_btw_exon3_4;LOC=intron;PH=0;DS=SEC14L1:exon4;US=SEC14L1:exon3;ST=+
 ID=12_btw_TMEM132B_DKFZp434G0827;LOC=intergenic;DS=DKFZp434G0827;US=TMEM132B
 ID=5_btw_PRR16_FTMT;LOC=intergenic;DS=FTMT;US=PRR16
 ID=DPF3_intron_btw_exon7_8;LOC=intron;PH=1;DS=DPF3:exon7;US=DPF3:exon8;ST=- ID=DPF3_exon8;LOC=exon;CDS=1;ST=-
 ID=BPIL1_intron_btw_exon3_4;LOC=intron;PH=2;DS=BPIL1:exon4;US=BPIL1:exon3;ST=+ ID=BPIL1_exon4;LOC=exon;CDS=1;ST=-
 ID=LANCL2_intron_btw_exon4_5;LOC=intron;PH=0;DS=LANCL2:exon5;US=LANCL2:exon4;ST=+ ID=LANCL2_exon5;LOC=exon;CDS=1;ST=-
 ID=OR52N1_exon1;LOC=exon;CDS=1;ST=-
 ID=19_btw_PSG8_PSG5;LOC=intergenic;DS=PSG5;US=PSG8
 ID=SASH3_intron_btw_exon1_2;LOC=intron;PH=0;DS=SASH3:exon2;US=SASH3:exon1;ST=+
 ID=CYLD_intron_btw_exon7_8;LOC=intron;PH=1;DS=CYLD:exon8;US=CYLD:exon7;ST=+
 ID=SIRPA_exon4;LOC=exon;CDS=1;ST=+
 ID=17_btw EIF1_GAST;LOC=intergenic;DS=GAST;US=EIF1
 ID=9_btw_FREM1_TTC39B;LOC=intergenic;DS=TTC39B;US=PREM1
 ID=9_btw_LINGO2_ACO1;LOC=intergenic;DS=ACO1;US=LINGO2
 ID=UBE2D4_intron_btw_exon2_3;LOC=intron;PH=1;DS=UBE2D4:exon3;US=UBE2D4:exon2;ST=+
 ID=HDLBP_intron_btw_exon26_27;LOC=intron;PH=0;DS=HDLBP:exon26;US=HDLBP:exon27;ST=- ID=HDLBP_intron_btw_exon27_28;LOC=intron;PH=0;DS=HDLBP:exon28;US=HDLBP:exon27;ST=-
 ID=AHCTF1_exon2;LOC=exon;CDS=1;ST=- ID=AHCTF1_intron_btw_exon1_2;LOC=intron;PH=1;DS=AHCTF1:exon1;US=AHCTF1:exon2;ST=-
 ID=JMJD3_exon11;LOC=exon;CDS=1;ST=+
 ID=USP36_intron_btw_exon10_11;LOC=intron;PH=0;DS=USP36:exon10;US=USP36:exon11;ST=-
 ID=16_btw_SLC6A10P_FLJ43980;LOC=intergenic;DS=FLJ43980;US=SLC6A10P
 ID=ZNF468_intron_btw_exon2_3;LOC=intron;PH=0;DS=ZNF468:exon2;US=ZNF468:exon3;ST=-
 ID=EGFR_intron_btw_exon27_28;LOC=intron;PH=1;DS=EGFR:exon28;US=EGFR:exon27;ST=+ ID=EGFR_intron_btw_exon28_29;LOC=intron;PH=1;DS=EGFR:exon29;US=EGFR:exon28;ST=-
 ID=5_btw_FBXL21_LCT2;LOC=intergenic;DS=LCT2;US=FBXL21
 ID=SLC39A5_exon6;LOC=exon;CDS=1;ST=+ ID=SLC39A5_intron_btw_exon6_7;LOC=intron;PH=0;DS=SLC39A5:exon7;US=SLC39A5:exon6;ST=-
 ID=C12orf49_intron_btw_exon4_5;LOC=intron;PH=0;DS=C12orf49:exon4;US=C12orf49:exon5;ST=-
 ID=12_btw_LRIG3_SLC16A7;LOC=intergenic;DS=SLC16A7;US=LRIG3
 ID=12_btw_MED13L_FLJ42957;LOC=intergenic;DS=FLJ42957;US=MED13L

ID=12_btw_LHX5_RBM19;LOC=intergenic;DS=RBM19;US=LHX5
 ID=12_btw_BC061638_LOC552889;LOC=intergenic;DS=LOC552889;US=BC061638
 ID=GCN1L1_intron_btw_exon45_46;LOC=intron;PH=0;DS=GCN1L1:exon45;US=GCN1L1:exon46;ST=-
 ID=12_btw_TRHDE_BC061638;LOC=intergenic;DS=BC061638;US=TRHDE
 ID=12_btw_CTDSP2_XRCC6BP1;LOC=intergenic;DS=XRCC6BP1;US=CTDSP2
 ID=RYSR1_intron_btw_exon60_61;LOC=intron;PH=2;DS=RYSR1:exon61;US=RYSR1:exon60;ST=+ ID=RYSR1
 ID=2_btw_PTH2R_MAP2;LOC=intergenic;DS=MAP2;US=PTH2R
 ID=PBX1_exon3;LOC=exon;CDS=1;ST=+ ID=PBX1_intron_btw_exon3_4;LOC=intron;PH=0;DS=PBX1:ex
 ID=1_btw_FAM58B_ZNF281;LOC=intergenic;DS=ZNF281;US=FAM58B
 ID=2_btw_RPE_ACADL;LOC=intergenic;DS=ACADL;US=RPE ID=C2orf67_intron_btw_exon11_12;LOC=
 ID=AP1GBP1_intron_btw_exon5_6;LOC=intron;PH=0;DS=AP1GBP1:exon5;US=AP1GBP1:exon6;ST=- I
 ID=ARID3B_exon2;LOC=exon;CDS=1;ST=+
 ID=RBMS2_intron_btw_exon12_13;LOC=intron;PH=0;DS=RBMS2:exon13;US=RBMS2:exon12;ST=+ ID
 ID=ACSL6_intron_btw_exon16_17;LOC=intron;PH=0;DS=ACSL6:exon16;US=ACSL6:exon17;ST=- ID=AC
 ID=PSPH_intron_btw_exon6_7;LOC=intron;PH=1;DS=PSPH:exon6;US=PSPH:exon7;ST=- ID=PSPH_exo
 ID=7_btw_SEC61G_EGFR;LOC=intergenic;DS=EGFR;US=SEC61G
 ID=1_btw_ZNF648_GLUL;LOC=intergenic;DS=GLUL;US=ZNF648
 ID=ECE1_intron_btw_exon4_5;LOC=intron;PH=0;DS=ECE1:exon4;US=ECE1:exon5;ST=- ID=ECE1_exor
 ID=1_btw_ANGPTL7_UBIAD1;LOC=intergenic;DS=UBIAD1;US=ANGPTL7 ID=FRAP1_intron_btw_exon6
 ID=12_btw_LRIG3_SLC16A7;LOC=intergenic;DS=SLC16A7;US=LRIG3
 ID=KIF5A_exon10;LOC=exon;CDS=1;ST=+ ID=KIF5A_intron_btw_exon10_11;LOC=intron;PH=2;DS=KIF
 ID=ANP32D_exon1;LOC=exon;CDS=1;ST=+ ID=12_btw_ANP32D_C12orf54;LOC=intergenic;DS=C12orf
 ID=12_btw_TUBA1B_TUBA1C;LOC=intergenic;DS=TUBA1C;US=TUBA1B
 ID=12_btw_SLC35E3_MDM2;LOC=intergenic;DS=MDM2;US=SLC35E3
 ID=12_btw_TUBA1B_TUBA1C;LOC=intergenic;DS=TUBA1C;US=TUBA1B
 ID=PTPRR_intron_btw_exon2_3;LOC=intron;PH=0;DS=PTPRR:exon2;US=PTPRR:exon3;ST=-
 ID=Y_btw_TSPY1_USP9Y;LOC=intergenic;DS=USP9Y;US=TSPY1
 ID=ATP2C2_intron_btw_exon7_8;LOC=intron;PH=0;DS=ATP2C2:exon8;US=ATP2C2:exon7;ST=+
 ID=TBP_exon6;LOC=exon;CDS=1;ST=+ ID=TBP_intron_btw_exon6_7;LOC=intron;PH=2;DS=TBP:exon7
 ID=7_btw_SEC61G_EGFR;LOC=intergenic;DS=EGFR;US=SEC61G
 ID=GEFT_intron_btw_exon6_7;LOC=intron;PH=0;DS=GEFT:exon7;US=GEFT:exon6;ST=+ ID=GEFT_exo
 ID=GLI1_intron_btw_exon11_12;LOC=intron;PH=1;DS=GLI1:exon12;US=GLI1:exon11;ST=+ ID=GLI1_e
 ID=12_btw_R3HDM2_INHBC;LOC=intergenic;DS=INHBC;US=R3HDM2
 ID=12_btw_XRCC6BP1_LRIG3;LOC=intergenic;DS=LRIG3;US=XRCC6BP1
 ID=12_btw_BC019026_TSPAN31;LOC=intergenic;DS=TSPAN31;US=BC019026 ID=12_btw_AGAP2_TSI
 ID=SHMT2_exon8;LOC=exon;CDS=1;ST=+ ID=SHMT2_intron_btw_exon8_9;LOC=intron;PH=0;DS=SHM
 ID=GEFT_intron_btw_exon7_8;LOC=intron;PH=2;DS=GEFT:exon8;US=GEFT:exon7;ST=+ ID=GEFT_exo
 ID=ACSL1_intron_btw_exon18_19;LOC=intron;PH=0;DS=ACSL1:exon18;US=ACSL1:exon19;ST=- ID=AC
 ID=TRIML2_exon4;LOC=exon;CDS=1;ST=- ID=TRIML2_intron_btw_exon3_4;LOC=intron;PH=0;DS=TRIM
 ID=19_btw_ZNF765_ZNF761;LOC=intergenic;DS=ZNF761;US=ZNF765
 ID=GNA12_exon4_3utr;LOC=utr3;CDS=0;ST=- ID=GNA12_exon4_5utr;LOC=utr5;CDS=0;ST=- ID=GNA1

ID=3_btw_GLYCTK_DNAH1;LOC=intergenic;DS=DNAH1;US=GLYCTK
 ID=ZNF704_exon2_3utr;LOC=utr3;CDS=0;ST=- ID=ZNF704_exon2;LOC=exon;CDS=1;ST=- ID=ZNF704_
 ID=NECAB1_intron_btw_exon11_12;LOC=intron;PH=2;DS=NECAB1:exon12;US=NECAB1:exon11;ST=+
 ID=4_btw_ANAPC4_SLC34A2;LOC=intergenic;DS=SLC34A2;US=ANAPC4
 ID=12_btw_LRIG3_SLC16A7;LOC=intergenic;DS=SLC16A7;US=LRIG3
 ID=12_btw_XRCC6BP1_LRIG3;LOC=intergenic;DS=LRIG3;US=XRCC6BP1
 ID=12_btw_LRIG3_SLC16A7;LOC=intergenic;DS=SLC16A7;US=LRIG3
 ID=12_btw_XRCC6BP1_LRIG3;LOC=intergenic;DS=LRIG3;US=XRCC6BP1
 ID=12_btw_XRCC6BP1_LRIG3;LOC=intergenic;DS=LRIG3;US=XRCC6BP1
 ID=BCLAF1_intron_btw_exon7_8;LOC=intron;PH=2;DS=BCLAF1:exon7;US=BCLAF1:exon8;ST=- ID=BCI
 ID=NPHS1_intron_btw_exon27_28;LOC=intron;PH=1;DS=NPHS1:exon27;US=NPHS1:exon28;ST=- ID=
 ID=NFYA_exon7;LOC=exon;CDS=1;ST=+ ID=NFYA_intron_btw_exon7_8;LOC=intron;PH=0;DS=NFYA:e
 ID=FGFR3_exon8;LOC=exon;CDS=1;ST=+ ID=FGFR3_intron_btw_exon8_9;LOC=intron;PH=1;DS=FGFR
 ID=MLL_intron_btw_exon24_25;LOC=intron;PH=2;DS=MLL:exon25;US=MLL:exon24;ST=+ ID=MLL_ex
 ID=TMC3_intron_btw_exon21_22;LOC=intron;PH=2;DS=TMC3:exon21;US=TMC3:exon22;ST=- ID=TV
 ID=C10orf59_intron_btw_exon4_5;LOC=intron;PH=1;DS=C10orf59:exon4;US=C10orf59:exon5;ST=-
 ID=CDKN2C_intron_btw_exon1_2;LOC=intron;PH=0;DS=CDKN2C:exon2;US=CDKN2C:exon1;ST=+ ID=(
 ID=BCLAF1_intron_btw_exon7_8;LOC=intron;PH=2;DS=BCLAF1:exon7;US=BCLAF1:exon8;ST=- ID=BCI
 ID=12_btw_SLC26A10_OS9;LOC=intergenic;DS=OS9;US=SLC26A10 ID=B4GALNT1_exon3;LOC=exon;C
 ID=NCLN_intron_btw_exon4_5;LOC=intron;PH=0;DS=NCLN:exon5;US=NCLN:exon4;ST=+ ID=NCLN_e)
 ID=9_btw_IFNE_MTAP;LOC=intergenic;DS=MTAP;US=IFNE
 ID=PABPC1_exon11;LOC=exon;CDS=1;ST=-
 ID=GPR110_intron_btw_exon8_9;LOC=intron;PH=1;DS=GPR110:exon8;US=GPR110:exon9;ST=- ID=G
 ID=RHAG_intron_btw_exon5_6;LOC=intron;PH=0;DS=RHAG:exon5;US=RHAG:exon6;ST=- ID=RHAG_e
 ID=19_btw_SEPW1_TPRX1;LOC=intergenic;DS=TPRX1;US=SEPW1
 ID=C19orf34_exon2_3utr;LOC=utr3;CDS=0;ST=- ID=C19orf34_exon2;LOC=exon;CDS=1;ST=- ID=C19or

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;BARA1_exon12;LOC=exon;CDS=1;ST=- ID=CBARA1_intron_btw_exon11_12;LOC=intron;PH=1;DS
G3:exon17;US=LRIG3:exon18;ST=- ID=LRIG3_exon17;LOC=exon;CDS=1;ST=-
=CYP27B1_exon7;LOC=exon;CDS=1;ST=-

G3:exon12;US=LRIG3:exon13;ST=-
!S_exon10;LOC=exon;CDS=1;ST=+

!=CSMD2_exon13;LOC=exon;CDS=1;ST=- ID=CSMD2_intron_btw_exon12_13;LOC=intron;PH=1;D

CTK2_exon15;LOC=exon;CDS=1;ST=-

xon15;LOC=exon;CDS=1;ST=- ID=AVIL_intron_btw_exon14_15;LOC=intron;PH=2;DS=AVIL:exon14
exon8;US=KIF5A:exon7;ST=+

;ST=+ ID=KIAA2017_exon25;LOC=exon;CDS=1;ST=+

'_exon21;LOC=exon;CDS=1;ST=- ID=CUL7_intron_btw_exon20_21;LOC=intron;PH=2;DS=CUL7:exon
ATS4_exon3;LOC=exon;CDS=1;ST=+ ID=YEATS4_intron_btw_exon3_4;LOC=intron;PH=1;DS=YEAT
=GTF2H3_exon10;LOC=exon;CDS=1;ST=+

CTN2:exon13;US=TCTN2:exon12;ST=+

OC=exon;CDS=1;ST=- ID=PGC_intron_btw_exon4_5;LOC=intron;PH=0;DS=PGC:exon4;US=PGC:ex

'_exon21;LOC=exon;CDS=1;ST=- ID=CUL7_intron_btw_exon20_21;LOC=intron;PH=2;DS=CUL7:ex

ergenic;DS=LRFN2;US=MOCS1

exon9;LOC=exon;CDS=1;ST=+

:CTNNAL1:exon5;US=CTNNAL1:exon6;ST=-

RP4:exon12;US=PRPF4:exon11;ST=+

_exon2;LOC=exon;CDS=1;ST=-

D1_exon13;LOC=exon;CDS=1;ST=-

_exon2_5utr;LOC=utr5;CDS=0;ST=-

_exon2_5utr;LOC=utr5;CDS=0;ST=-

on8;US=EGFR:exon7;ST=+

exon3_5utr;LOC=utr5;CDS=0;ST=-

on8;LOC=exon;CDS=1;ST=+ ID=EGFR_intron_btw_exon8_9;LOC=intron;PH=1;DS=EGFR:exon9;US=

LAF1_exon6;LOC=exon;CDS=1;ST=-

IF302_exon4;LOC=exon;CDS=1;ST=+ ID=ZNF302_intron_btw_exon4_5;LOC=intron;PH=1;DS=ZNF

n6;US=CPM:exon7;ST=-

=+

6_exon8;LOC=exon;CDS=1;ST=+ ID=RAB36_intron_btw_exon8_9;LOC=intron;PH=0;DS=RAB36:ex
1_exon2;LOC=exon;CDS=1;ST=+

on8;US=EGFR:exon7;ST=+

+

DSP2_exon7;LOC=exon;CDS=1;ST=-

xon15;LOC=exon;CDS=1;ST=- ID=AVIL_intron_btw_exon14_15;LOC=intron;PH=2;DS=AVIL:exon14

exon9;LOC=exon;CDS=1;ST=+
xon1;LOC=exon;CDS=1;ST=-
+ ID=NUP107_exon28;LOC=exon;CDS=1;ST=+
+= ID=METTL21B_exon3;LOC=exon;CDS=1;ST=+
IP4K2C:exon2;US=PIP4K2C:exon1;ST=+
ID=ARHGAP9_exon3;LOC=exon;CDS=1;ST=-

+ ID=SLC26A10_exon5;LOC=exon;CDS=1;ST=+ ID=SLC26A10_intron_btw_exon5_6;LOC=intron;PH

14;ST=+ ID=ARHGEF25_exon15;LOC=exon;CDS=1;ST=+
T=+ ID=C1orf101_exon11;LOC=exon;CDS=1;ST=+
ST=+

.MOTL2:exon6;US=AMOTL2:exon7;ST=-

3_exon25;LOC=exon;CDS=1;ST=+

- ID=MYOM3_exon17;LOC=exon;CDS=1;ST=-
HSPG2_exon57;LOC=exon;CDS=1;ST=-

exon8;LOC=exon;CDS=1;ST=+

15:exon6;US=SH2D5:exon7;ST=-

:exon7;US=EXTL1:exon6;ST=+

1=LDLRAP1_exon6;LOC=exon;CDS=1;ST=+
xon5;US=ERN1:exon6;ST=-

xon11;US=OS9:exon10;ST=+ ID=OS9_exon11;LOC=exon;CDS=1;ST=+

on8;LOC=exon;CDS=1;ST=+ ID=EGFR_intron_btw_exon8_9;LOC=intron;PH=1;DS=EGFR:exon9;US=
_exon6;LOC=exon;CDS=1;ST=-

.B:exon7;US=PDE1B:exon6;ST=+
on3;US=RFC2:exon4;ST=-
=-

exon13;US=AVIL:exon14;ST=-
xon18;LOC=exon;CDS=1;ST=-

100_intron_btw_exon8_9;LOC=intron;PH=2;DS=C9orf100:exon8;US=C9orf100:exon9;ST=- ID=C9

R:exon16;US=EGFR:exon15;ST=+
on8;LOC=exon;CDS=1;ST=+ ID=EGFR_intron_btw_exon8_9;LOC=intron;PH=1;DS=EGFR:exon9;US=

:TMBIM4_exon4;LOC=exon;CDS=1;ST=- ID=TMBIM4_intron_btw_exon3_4;LOC=intron;PH=0;DS=

on6;LOC=exon;CDS=1;ST=- ID=XPO5_intron_btw_exon5_6;LOC=intron;PH=0;DS=XPO5:exon5;US=

RC73_exon5;LOC=exon;CDS=1;ST=-

;US=FAS:exon3;ST=+

;ST=+ ID=KIAA1797_exon43;LOC=exon;CDS=1;ST=+ ID=KIAA1797_intron_btw_exon43_44;LOC=ir

on8;US=EGFR:exon7;ST=+
=ZDHC23:exon3;US=ZDHC23:exon2;ST=+

_intron_btw_exon1_2;LOC=intron;PH=0;DS=ZNF136:exon2;US=ZNF136:exon1;ST=+
ST1_exon5;LOC=exon;CDS=1;ST=+

1=0;DS=ADAMTS10:exon11;US=ADAMTS10:exon12;ST=-

on8;LOC=exon;CDS=1;ST=+ ID=EGFR_intron_btw_exon8_9;LOC=intron;PH=1;DS=EGFR:exon9;US=

JS=ADAM6

ON_exon17;LOC=exon;CDS=1;ST=-

1_exon3;LOC=exon;CDS=1;ST=+ ID=CASD1_intron_btw_exon3_4;LOC=intron;PH=0;DS=CASD1:exon3;CDS=1;ST=+ ID=EGFR_intron_btw_exon24_25;LOC=intron;PH=0;DS=EGFR:exon25;US=EGFR:exon25;CDS=1;ST=+ ID=LIMK1:exon7;ST=+

WRAP53:exon2;US=WRAP53:exon1;ST=+
;ST=- ID=KIAA0753_exon15;LOC=exon;CDS=1;ST=-

exon2;LOC=exon;CDS=1;ST=+

DS=1;ST=+
on8;LOC=exon;CDS=1;ST=+ ID=EGFR_intron_btw_exon8_9;LOC=intron;PH=1;DS=EGFR:exon9;US=
on8;LOC=exon;CDS=1;ST=+ ID=EGFR_intron_btw_exon8_9;LOC=intron;PH=1;DS=EGFR:exon9;US=

exon1;ST=+
FAM44B_exon2;LOC=exon;CDS=1;ST=-

exon;CDS=1;ST=- ID=AGAP2_intron_btw_exon8_9;LOC=intron;PH=0;DS=AGAP2:exon8;US=AGAF

G3:exon12;US=LRIG3:exon13;ST=-
exon5;US=LRIG3:exon6;ST=-

ron_btw_exon1_2;LOC=intron;PH=0;DS=C5AR1:exon2;US=C5AR1:exon1;ST=+

R:exon26;US=EGFR:exon25;ST=+
v_exon16_17;LOC=intron;PH=2;DS=LVRN:exon17;US=LVRN:exon16;ST=+ ID=LVRN_exon17;LOC=

ATA8_exon2;LOC=exon;CDS=1;ST=+ ID=SPATA8_intron_btw_exon2_3;LOC=intron;PH=1;DS=SPA

on8;LOC=exon;CDS=1;ST=+ ID=EGFR_intron_btw_exon8_9;LOC=intron;PH=1;DS=EGFR:exon9;US=

SMC4_exon10;LOC=exon;CDS=1;ST=+ ID=PSMC4_intron_btw_exon10_11;LOC=intron;PH=0;DS=f
VLLT1_exon11;LOC=exon;CDS=1;ST=- ID=MLLT1_intron_btw_exon10_11;LOC=intron;PH=0;DS=N

C6orf204:exon8;US=C6orf204:exon9;ST=-

exon2_5utr;LOC=utr5;CDS=0;ST=-

L2_exon1_5utr;LOC=utr5;CDS=0;ST=-

GFR3:exon18;US=FGFR3:exon17;ST=+

B_exon7;LOC=exon;CDS=1;ST=+

n5;LOC=exon;CDS=1;ST=-

;LOC=exon;CDS=1;ST=- ID=SCAI_intron_btw_exon6_7;LOC=intron;PH=2;DS=SCAI:exon6;US=SCAI:

T14_exon8;LOC=exon;CDS=1;ST=- ID=SEPT14_intron_btw_exon7_8;LOC=intron;PH=1;DS=SEPT14
P1B1:exon10;US=AP1B1:exon11;ST=-

on8;LOC=exon;CDS=1;ST=+

A_exon3;LOC=exon;CDS=1;ST=-

RGAP3_exon8;LOC=exon;CDS=1;ST=-

CDS=0;ST=- ID=12_btw_CYP27B1_METTL1;LOC=intergenic;DS=METTL1;US=CYP27B1

on8;LOC=exon;CDS=1;ST=+

1;ST=-

on8;LOC=exon;CDS=1;ST=-

xon5;US=DKC1:exon4;ST=+ ID=DKC1_exon5;LOC=exon;CDS=1;ST=+

)=NDUFA2_intron_btw_exon1_2;LOC=intron;PH=2;DS=NDUFA2:exon1;US=NDUFA2:exon2;ST=-

on8;US=EGFR:exon7;ST=+

12_5utr;LOC=utr5;CDS=0;ST=-

R:exon26;US=EGFR:exon25;ST=+ ID=EGFR_exon26;LOC=exon;CDS=1;ST=+ ID=EGFR_intron_btw_

;DS=FAM135B:exon12;US=FAM135B:exon13;ST=-

1=C3orf15_exon10;LOC=exon;CDS=1;ST=+

R:exon26;US=EGFR:exon25;ST=+

5_exon27;LOC=exon;CDS=1;ST=-

2:exon13;US=MFI2:exon14;ST=-

(PNB1:exon19;US=KPNB1:exon18;ST=+

RAP1_exon47;LOC=exon;CDS=1;ST=- ID=FRAP1_intron_btw_exon46_47;LOC=intron;PH=1;DS=FR

:-

)=EXOSC10_exon3;LOC=exon;CDS=1;ST=- ID=EXOSC10_intron_btw_exon2_3;LOC=intron;PH=2;D!

:7orf31_exon10;LOC=exon;CDS=1;ST=-

R:exon16;US=EGFR:exon15;ST=+

3_exon13;LOC=exon;CDS=1;ST=+ ID=EGFR_intron_btw_exon13_14;LOC=intron;PH=2;DS=EGFR:e

+

con5;LOC=exon;CDS=1;ST=+

ICRTR1_exon4;LOC=exon;CDS=1;ST=+

19;LOC=exon;CDS=1;ST=+

+ ID=NUP107_exon19;LOC=exon;CDS=1;ST=+ ID=NUP107_intron_btw_exon19_20;LOC=intron;PH
:on3;LOC=exon;CDS=1;ST=- ID=BAG1_intron_btw_exon2_3;LOC=intron;PH=1;DS=BAG1:exon2;US
T=- ID=PTCD1_intron_btw_exon5_6;LOC=intron;PH=0;DS=PTCD1:exon5;US=PTCD1:exon6;ST=-

:nic;DS=FKBP9L;US=ECOP

:nic;DS=FKBP9L;US=ECOP

:nic;DS=FKBP9L;US=ECOP

n1_5utr;LOC=utr5;CDS=0;ST=-

con5;US=EGFR:exon4;ST=+

on8;LOC=exon;CDS=1;ST=+ ID=EGFR_intron_btw_exon8_9;LOC=intron;PH=1;DS=EGFR:exon9;US=

on5;LOC=exon;CDS=1;ST=+ ID=EGFR_intron_btw_exon5_6;LOC=intron;PH=1;DS=EGFR:exon6;US=

btw_exon12_13;LOC=intron;PH=0;DS=C9orf86:exon13;US=C9orf86:exon12;ST=+ ID=C9orf86_exc

on8;LOC=exon;CDS=1;ST=+ ID=EGFR_intron_btw_exon8_9;LOC=intron;PH=1;DS=EGFR:exon9;US=

OPN1L:exon5;US=ROPN1L:exon4;ST=+

.5A4_exon4;LOC=exon;CDS=1;ST=- ID=SLC5A4_intron_btw_exon3_4;LOC=intron;PH=0;DS=SLC5A

LAF1_exon7;LOC=exon;CDS=1;ST=-

+ ID=MYBPC1_exon16;LOC=exon;CDS=1;ST=+ ID=MYBPC1_intron_btw_exon16_17;LOC=intron;F

+ ID=NUP107_exon21;LOC=exon;CDS=1;ST=+ ID=NUP107_intron_btw_exon21_22;LOC=intron;PH
M2_exon5;LOC=exon;CDS=1;ST=+ ID=MDM2_intron_btw_exon5_6;LOC=intron;PH=1;DS=MDM2

A_exon5;LOC=exon;CDS=1;ST=- ID=PDE1A_intron_btw_exon4_5;LOC=intron;PH=0;DS=PDE1A:ex

+ ID=NUP107_exon16;LOC=exon;CDS=1;ST=+ ID=NUP107_intron_btw_exon16_17;LOC=intron;PH

;ST=+ ID=KIAA0182_exon14;LOC=exon;CDS=1;ST=+

V_exon12;LOC=exon;CDS=1;ST=-

R:exon28;US=EGFR:exon27;ST=+

LOC=utr3;CDS=0;ST=-

ID=GPR116_exon18;LOC=exon;CDS=1;ST=- ID=GPR116_intron_btw_exon17_18;LOC=intron;PH=(
EP1A:exon10;US=MEP1A:exon9;ST=+

l_exon2;LOC=exon;CDS=1;ST=- ID=RASD1_intron_btw_exon1_2;LOC=intron;PH=1;DS=RASD1:exc
:CMYA5:exon11;US=CMYA5:exon10;ST=+

110;LOC=exon;CDS=1;ST=+ ID=TDG_exon10_3utr;LOC=utr3;CDS=0;ST=+

ABCC9_exon23;LOC=exon;CDS=1;ST=-
ABCC9_exon33;LOC=exon;CDS=1;ST=- ID=ABCC9_intron_btw_exon32_33;LOC=intron;PH=0;DS=A

AD5_exon7;LOC=exon;CDS=1;ST=-
SP1_exon4;LOC=exon;CDS=1;ST=-
WDYHV1:exon5;US=WDYHV1:exon4;ST=+
- ID=M6PR_intron_btw_exon4_5;LOC=intron;PH=0;DS=M6PR:exon4;US=M6PR:exon5;ST=-

R:exon26;US=EGFR:exon25;ST=+
3_exon25;LOC=exon;CDS=1;ST=+ ID=EGFR_intron_btw_exon25_26;LOC=intron;PH=0;DS=EGFR:e:

=WDR42A_exon5;LOC=exon;CDS=1;ST=-

H2_exon7;LOC=exon;CDS=1;ST=-

on6;US=COBL:exon7;ST=-

:MTD1_exon6;LOC=exon;CDS=1;ST=-

IF773_exon4;LOC=exon;CDS=1;ST=+
on7;LOC=exon;CDS=1;ST=+ ID=EGFR_intron_btw_exon7_8;LOC=intron;PH=1;DS=EGFR:exon8;US=

_exon8;LOC=exon;CDS=1;ST=+ ID=SEPT2_intron_btw_exon8_9;LOC=intron;PH=0;DS=SEPT2:exon!
xon8;US=EGFR:exon7;ST=+
:BCLAF1:exon11;US=BCLAF1:exon12;ST=-

xon21;LOC=exon;CDS=1;ST=-

:nic;DS=FKBP9L;US=ECOP

:nic;DS=FKBP9L;US=ECOP

=+

ID=LOC284009_exon3;LOC=exon;CDS=1;ST=-

3_exon18;LOC=exon;CDS=1;ST=+ ID=EGFR_intron_btw_exon18_19;LOC=intron;PH=0;DS=EGFR:e:

- ID=NCAPD3_exon18;LOC=exon;CDS=1;ST=- ID=NCAPD3_intron_btw_exon17_18;LOC=intron;PH

)=DNAH1_exon22;LOC=exon;CDS=1;ST=+

3_exon25;LOC=exon;CDS=1;ST=+

NEDD4L_exon6;LOC=exon;CDS=1;ST=+ ID=NEDD4L_intron_btw_exon6_7;LOC=intron;PH=0;DS=N

:on3;LOC=exon;CDS=1;ST=+

_12;LOC=intron;PH=2;DS=SLC5A10:exon12;US=SLC5A10:exon11;ST=+

3D_exon13;LOC=exon;CDS=1;ST=-

ACNG2:exon2;US=CACNG2:exon3;ST=-

/11L:exon9;US=AIM1L:exon10;ST=-

S=SLC23A2:exon10;US=SLC23A2:exon11;ST=-

\MKV_exon11;LOC=exon;CDS=1;ST=-

PTH1R_exon16;LOC=exon;CDS=1;ST=+

.F_intron_btw_exon2_3;LOC=intron;PH=1;DS=SEMA3F:exon3;US=SEMA3F:exon2;ST=+

:on3;US=PSG3:exon4;ST=-

con5;US=RALA:exon4;ST=+
RCC2_exon16;LOC=exon;CDS=1;ST=-

R_exon18;LOC=exon;CDS=1;ST=+

A_exon6;LOC=exon;CDS=1;ST=-

1;US=HN1:exon2;ST=-

n7;LOC=exon;CDS=1;ST=-
con4;LOC=exon;CDS=1;ST=+ ID=BPIL1_intron_btw_exon4_5;LOC=intron;PH=2;DS=BPIL1:exon5;U
NCL2_exon5;LOC=exon;CDS=1;ST=+

HDLBP_exon26;LOC=exon;CDS=1;ST=-
CTF1:exon1;US=AHCTF1:exon2;ST=-

R_exon28;LOC=exon;CDS=1;ST=+ ID=EGFR_exon28_3utr;LOC=utr3;CDS=0;ST=+

SLC39A5:exon7;US=SLC39A5:exon6;ST=+

ID=GCN1L1_exon45;LOC=exon;CDS=1;ST=-

l_exon61;LOC=exon;CDS=1;ST=+ ID=RYS1_intron_btw_exon61_62;LOC=intron;PH=1;DS=RYS1:ex
on4;US=PBX1:exon3;ST=+

intron;PH=2;DS=C2orf67:exon11;US=C2orf67:exon12;ST=-
D=AP1GBP1_exon5;LOC=exon;CDS=1;ST=- ID=AP1GBP1_intron_btw_exon4_5;LOC=intron;PH=2;

l=RBMS2_exon13;LOC=exon;CDS=1;ST=+ ID=RBMS2_exon13_3utr;LOC=utr3;CDS=0;ST=+ ID=RBV
CSL6_exon16;LOC=exon;CDS=1;ST=-
n6;LOC=exon;CDS=1;ST=- ID=PSPH_intron_btw_exon5_6;LOC=intron;PH=2;DS=PSPH:exon5;US=I

l4;LOC=exon;CDS=1;ST=- ID=ECE1_intron_btw_exon3_4;LOC=intron;PH=1;DS=ECE1:exon3;US=EC
5_7;LOC=intron;PH=0;DS=FRAP1:exon6;US=FRAP1:exon7;ST=- ID=FRAP1_exon6;LOC=exon;CDS=1

5A:exon11;US=KIF5A:exon10;ST=+ ID=KIF5A_exon11;LOC=exon;CDS=1;ST=+
54;US=ANP32D

5;US=TBP:exon6;ST=+

n7;LOC=exon;CDS=1;ST=+
xon12;LOC=exon;CDS=1;ST=+

PAN31;LOC=intergenic;DS=TSPAN31;US=AGAP2 ID=TSPAN31_exon1_5utr;LOC=utr5;CDS=0;ST=+
MT2:exon9;US=SHMT2:exon8;ST=+ ID=SHMT2_exon9;LOC=exon;CDS=1;ST=+ ID=SHMT2_intron_1
n8;LOC=exon;CDS=1;ST=+ ID=GEFT_intron_btw_exon8_9;LOC=intron;PH=0;DS=GEFT:exon9;US=I
CSL1_exon18;LOC=exon;CDS=1;ST=- ID=ACSL1_intron_btw_exon17_18;LOC=intron;PH=0;DS=ACS
ML2:exon3;US=TRIML2:exon4;ST=-

l2_exon4;LOC=exon;CDS=1;ST=-

exon2_5utr;LOC=utr5;CDS=0;ST=-

-

LAF1_exon7;LOC=exon;CDS=1;ST=-

NPHS1_exon27;LOC=exon;CDS=1;ST=- ID=NPHS1_intron_btw_exon26_27;LOC=intron;PH=0;DS=I

xon8;US=NFYA:exon7;ST=+

3:exon9;US=FGFR3:exon8;ST=+

:on25;LOC=exon;CDS=1;ST=+

IC3_exon21;LOC=exon;CDS=1;ST=-

CDKN2C_exon2;LOC=exon;CDS=1;ST=+

LAF1_exon7;LOC=exon;CDS=1;ST=-

:DS=1;ST=- ID=B4GALNT1_intron_btw_exon2_3;LOC=intron;PH=2;DS=B4GALNT1:exon2;US=B4G/

xon5;LOC=exon;CDS=1;ST=+ ID=NCLN_intron_btw_exon5_6;LOC=intron;PH=0;DS=NCLN:exon6;U

PR110_exon8;LOC=exon;CDS=1;ST=-

:xon5;LOC=exon;CDS=1;ST=-

f34_exon2_5utr;LOC=utr5;CDS=0;ST=-

=CBARA1:exon11;US=CBARA1:exon12;ST=-

S=CSMD2:exon12;US=CSMD2:exon13;ST=-

!;US=AVIL:exon15;ST=- ID=AVIL_exon14;LOC=exon;CDS=1;ST=- ID=AVIL_intron_btw_exon13_14;

on20;US=CUL7:exon21;ST=- ID=CUL7_exon20;LOC=exon;CDS=1;ST=-
S4:exon4;US=YEATS4:exon3;ST=+ ID=YEATS4_exon4;LOC=exon;CDS=1;ST=+

on5;ST=-

on20;US=CUL7:exon21;ST=- ID=CUL7_exon20;LOC=exon;CDS=1;ST=- ID=CUL7_intron_btw_exon1

=EGFR:exon8;ST=+

302:exon5;US=ZNF302:exon4;ST=+

on9;US=RAB36:exon8;ST=+

1;US=AVIL:exon15;ST=- ID=AVIL_exon14;LOC=exon;CDS=1;ST=-

l=2;DS=SLC26A10:exon6;US=SLC26A10:exon5;ST=+ ID=SLC26A10_exon6;LOC=exon;CDS=1;ST=+

=EGFR:exon8;ST=+

orf100_exon8;LOC=exon;CDS=1;ST=- ID=C9orf100_intron_btw_exon7_8;LOC=intron;PH=0;DS=C9

=EGFR:exon8;ST=+

TMBIM4:exon3;US=TMBIM4:exon4;ST=-

=XPO5:exon6;ST=-

tron;PH=1;DS=KIAA1797:exon44;US=KIAA1797:exon43;ST=+

-EGFR:exon8;ST=+

on4;US=CASD1:exon3;ST=+
n24;ST=+

=EGFR:exon8;ST=+

=EGFR:exon8;ST=+

'2:exon9;ST=-

exon;CDS=1;ST=+

.TA8:exon3;US=SPATA8:exon2;ST=+

=EGFR:exon8;ST=+

PSMC4:exon11;US=PSMC4:exon10;ST=+
MLLT1:exon10;US=MLLT1:exon11;ST=-

:exon7;ST=-

4:exon7;US=SEPT14:exon8;ST=-

.exon26_27;LOC=intron;PH=0;DS=EGFR:exon27;US=EGFR:exon26;ST=+

.AP1:exon46;US=FRAP1:exon47;ST=-

S=EXOSC10:exon2;US=EXOSC10:exon3;ST=-

xon14;US=EGFR:exon13;ST=+

l=0;DS=NUP107:exon20;US=NUP107:exon19;ST=+
;=BAG1:exon3;ST=-

=EGFR:exon8;ST=+
=EGFR:exon5;ST=+

n13;LOC=exon;CDS=1;ST=+
=EGFR:exon8;ST=+

4:exon3;US=SLC5A4:exon4;ST=-

'H=2;DS=MYBPC1:exon17;US=MYBPC1:exon16;ST=+
I=1;DS=NUP107:exon22;US=NUP107:exon21;ST=+
:exon6;US=MDM2:exon5;ST=+

on4;US=PDE1A:exon5;ST=-

I=2;DS=NUP107:exon17;US=NUP107:exon16;ST=+ ID=NUP107_exon17;LOC=exon;CDS=1;ST=+ ID

);DS=GPR116:exon17;US=GPR116:exon18;ST=-

in1;US=RASD1:exon2;ST=-

.BCC9:exon32;US=ABCC9:exon33;ST=-

xon26;US=EGFR:exon25;ST=+

=EGFR:exon7;ST=+

9;US=SEPT2:exon8;ST=+

xon19;US=EGFR:exon18;ST=+

l=2;DS=NCAPD3:exon17;US=NCAPD3:exon18;ST=-

EDD4L:exon7;US=NEDD4L:exon6;ST=+

S=BPIL1:exon4;ST=+

on62;US=RYS1:exon61;ST=+

DS=AP1GBP1:exon4;US=AP1GBP1:exon5;ST=-

IS2_intron_btw_exon13_14;LOC=intron;PH=0;DS=RBMS2:exon14;US=RBMS2:exon13;ST=+

PSPH:exon6;ST=-

E1:exon4;ST=-

l;ST=-

ID=TSPAN31_exon1;LOC=exon;CDS=1;ST=+ ID=TSPAN31_intron_btw_exon1_2;LOC=intron;PH=0
btw_exon9_10;LOC=intron;PH=1;DS=SHMT2:exon10;US=SHMT2:exon9;ST=+
GEFT:exon8;ST=+ ID=GEFT_exon9;LOC=exon;CDS=1;ST=+ ID=GEFT_intron_btw_exon9_10;LOC=ir
iL1:exon17;US=ACSL1:exon18;ST=-

NPHS1:exon26;US=NPHS1:exon27;ST=-

\LNT1:exon3;ST=-
S=NCLN:exon5;ST=+

LOC=intron;PH=0;DS=AVIL:exon13;US=AVIL:exon14;ST=-

.9_20;LOC=intron;PH=0;DS=CUL7:exon19;US=CUL7:exon20;ST=-

orf100:exon7;US=C9orf100:exon8;ST=-

l=NUP107_intron_btw_exon17_18;LOC=intron;PH=0;DS=NUP107:exon18;US=NUP107:exon17;S1

;DS=TSPAN31:exon2;US=TSPAN31:exon1;ST=+

tron;PH=0;DS=GEFT:exon10;US=GEFT:exon9;ST=+ ID=GEFT_exon10;LOC=exon;CDS=1;ST=+ ID=G

$\Gamma=+$

iEFT_intron_btw_exon10_11;LOC=intron;PH=0;DS=GEFT:exon11;US=GEFT:exon10;ST=+