Chromosome	Start Position	Stop Position	Gene	3 month Male RPKM Value	3 month Male Raw Count
chr19	47854989	47864788	Gsto1	**12403.65999**	61204388
chr11	100131759	100135949	Krt15	**4864.77328**	35562439
chrX	167207094	167209218	Tmsb4x	**4090.42776**	11647803
chr19	44394450	44407709	Scd1	**3968.48956**	81583403
chr11	120729485	120732021	Cbr2	**3317.93026**	14397712
chr15	101707070	101712891	Krt5	**3212.74867**	29903454
chr9	78478454	78481724	Eef1a1	**2511.42444**	19095496
chr11	100203162	100207510	Krt14	**2393.08387**	16883656
chr11	100117596	100121495	Krt13	**2285.51372**	12763791
chr2	85484092	85518935	4833423E24Rik	**2139.58167**	15322487
chr1	120113280	120121096	Dbi	**2137.73766**	6768792
chr7	126623246	126625470	Nupr1	**2035.38203**	5415278
chrX	100402222	100442717	Awat2	**1955.06692**	17657168
chr3	92483954	92485881	Sprr1a	**1935.61818**	6499011
chr6	86628174	86629704	Asprv1	**1893.10519**	12318290
chr9	61913283	61914510	Rplp1	**1870.59477**	3720712
chr13	3802893	3804318	Calml3	**1815.57894**	11003609
chr7	18884690	18890438	Pglyrp1	**1813.11336**	5247743
chr19	44333326	44346743	Scd4	**1798.6715**	23484080
chr15	101918535	101924735	Krt4	**1663.21136**	15077828
chr16	36359382	36367570	BC100530	**1659.20461**	3109847
chr9	83778692	83806305	Elovl4	**1649.55177**	21410927
chr3	90612894	90614414	S100a6	**1593.13178**	4868342
chr6	135362931	135383173	Emp1	**1588.05082**	20558659
chr4	118428093	118432900	Elovl1	**1519.85611**	12195650
chr9	69453683	69491785	Anxa2	**1493.77616**	8723138
chr7	28864386	28866284	Lgals7	**1446.39525**	3669964
chr4	106561038	106589113	Dhcr24	**1429.02623**	24464151
chr9	78191966	78209349	Gsta4	**1385.98669**	5643195
chr5	36204021	36206567	Psapl1	**1375.42703**	14889050
chr6	115805556	115808743	Rpl32	**1354.97846**	2660571
chr15	101929332	101940324	Krt79	**1237.30647**	11027478
chr10	18845071	18857072	Perp	**1169.33582**	9442638
chr19	20373434	20390671	Anxa1	**1155.89806**	6853213
chr11	100256217	100260989	Krt17	**1142.08103**	7334354
chr10	78425670	78427622	Cstb	**1132.89227**	2898582
chr7	142375916	142387870	Ctsd	**1128.11917**	9368715
chr5	115559467	115563729	Rplp0	**1120.95339**	6479283
chr11	61208742	61218416	Aldh3a1	**1093.30832**	7411461
chr15	101733949	101743097	Krt71	**1048.6638**	9689387
chr18	60774596	60778546	Rps14	**1037.7298**	2633050
chr15	101689928	101694305	Krt6a	**995.80062**	9556455
chr9	64173387	64178562	Rpl4	**992.27094**	5996949
chr7	45125563	45128745	Rpl13a	**975.82932**	4255217
chr7	19696244	19699166	Apoe	**954.67963**	5075928

chr10	80292431	80294114	Rps15	**951.3887**	2110712
chr15	76904071	76906318	Rpl8	**908.33969**	3327791
chr19	5344705	5349574	Cst6	**907.05886**	15231511
chr7	140967429	140969827	Ifitm1	**898.58869**	3208047
chr5	142903116	142906724	Actb	**896.06073**	7193991
chr8	64718145	64733578	Msmo1	**887.35293**	6878943
chr11	48800360	48806241	Gnb2l1	**865.60676**	4613374
chr7	27119955	27133660	Cyp2f2	**862.75765**	6673608
chr4	41092724	41098183	Aqp3	**857.48744**	6425110
chr7	3704041	3706897	Rps9	**841.21935**	2513420
chr15	101676023	101680289	Krt6b	**841.09045**	7996670
chr10	81176631	81182509	Eef2	**829.82778**	10933272
chr7	12922311	12926686	Rps5	**828.59703**	2606007
chr4	86656565	86670059	Plin2	**817.60635**	6557173
chr11	99315844	99322941	Krt25	**771.53468**	5413810
chr3	138277645	138290691	Adh1	**768.09862**	4354851
chr13	64363214	64370306	Ctsl	**765.85302**	6415530
chr9	110281287	110281409	Mir6236	**738.55519**	386090
chr19	6906819	6909645	Prdx5	**735.93732**	2151938
chr4	4056666	4077514	Sdr16c6	**733.99143**	3681065
chr16	89487374	89487952	Krtap8-1	**727.96844**	1791396
chr8	19225478	19228209	Defb6	**716.46682**	983556
chrX	100572247	100578206	Awat1	**712.29814**	4223150
chr14	73362232	73385271	Itm2b	**703.17343**	5295740
chr1	16101296	16104433	Rpl7	**666.80276**	2644110
chr7	45122388	45124389	Rps11	**665.73995**	1703341
chr6	138140537	138156752	Mgst1	**658.35663**	2638599
chrX	102184943	102188371	Rps4x	**653.37101**	2432565
chr2	122147687	122153082	B2m	**651.29297**	2375003
chr3	93555117	93564645	S100a10	**648.76608**	1792264
chr2	180257379	180258444	Rps21	**648.52795**	1077720
chr3	59925214	59937949	C130079G13Rik	**645.47271**	7651153
chr3	90526849	90528835	S100a14	**643.97878**	2996996
chr17	45567778	45573261	Hsp90ab1	**640.84022**	6828174
chr7	141447650	141451342	Rplp2	**639.15173**	1197962
chr10	128548110	128549168	Rpl41	**626.7534**	1196034
chr11	99385256	99389364	Krt10	**625.19807**	5558784
chr3	93520496	93526288	S100a11	**619.50219**	1327009
chr18	67343564	67367794	Cidea	**617.27607**	3053746
chr17	33951999	33955641	Rps18	**607.09565**	1352038
chr7	30787905	30791083	Krtdap	**595.92171**	1154927
chr15	74762056	74763567	Ly6d	**588.0831**	1727099
chr8	64592551	64693040	Cpe	**581.30056**	5173422
chr11	99345566	99351094	Krt27	**579.95154**	3793419
chr9	50494525	50505639	Plet1	**579.34476**	3902715
chr3	92500263	92500493	Sprr4	**569.30596**	558931
chr2	164562716	164568506	Wfdc2	**563.71248**	1696256

chr10	128083307	128090388	Atp5b	**560.80717**	4478585
chr6	11900373	11907446	Ndufa4	**560.80478**	1172674
chr3	10012585	10016610	Fabp5	**560.13545**	2268749
chr14	63122462	63145149	Ctsb	**559.87489**	9444361
chr13	3837757	3838671	Calm4	**526.38831**	2047047
chr2	127633226	127656695	Mal	**524.26056**	6189847
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chr15	101845426	101850786	Krt1	**514.69454**	5352837
chr7	99153663	99182713	Dgat2	**507.46918**	4854960
chr1	107045587	107052303	Serpinb3a	**496.7386**	3439137
chr6	125460266	125494755	Cd9	**490.54301**	2485157
chr16	89507703	89508323	Krtap7-1	**474.37707**	1252033
chrX	36598225	36606079	Pgrmc1	**469.1435**	3664812
chr7	119442544	119459272	Gp2	**468.47192**	3938314
chr14	34085979	34100568	Anxa8	**460.1513**	3674751
chr7	126795234	126800447	Aldoa	**460.02235**	3417597
chr6	148047416	148182760	Far2	**458.46638**	4988247
chr4	133600556	133602168	Sfn	**456.26312**	3127881
chr10	43579169	43584265	Cd24a	**455.46857**	3515400
chr10	128624529	128626506	Rps26	**454.72897**	865827
chr3	92122204	92123947	Prr9	**453.18032**	2278538
chr19	46131899	46135685	Elovl3	**449.20327**	3570138
chr9	43310763	43336125	Trim29	**445.01755**	5352591
chrX	36795652	36798806	Slc25a5	**438.65221**	2308030
chr3	90541223	90543151	S100a16	**434.50415**	1959340
chr16	56805161	56886163	Tmem45a	**433.4475**	4970258
chr19	9980600	9985111	Fth1	**427.05633**	2742522
chr3	93442330	93449077	Tchh	**426.28535**	10549884
chr17	33996012	34000333	H2-K1	**424.21757**	2967693
chr7	26835339	26843264	Cyp2a5	**422.46079**	3079293
chr15	74955051	74959905	Ly6e	**421.13142**	4118459
chr11	100140811	100145919	Krt19	**420.10784**	2453285
chr3	86137940	86142668	Rps3a1	**419.78597**	1682442
chr2	73908447	73911326	Atp5g3	**413.25875**	1271631
chr11	120560304	120572936	P4hb	**410.37688**	4426648
chr7	29256330	29281977	Spint2	**402.41975**	2497081
chr18	84851414	84879863	Cyb5a	**401.51386**	1278153
chr8	84842088	84846931	Calr	**400.63576**	3308438
chr12	8921307	8938741	Laptm4a	**399.9289**	3618753
chr4	3834473	3835600	Rps20	**399.12366**	851553
chr2	94032697	94157909	Hsd17b12	**399.06202**	3119052
chr18	77773768	77782868	Atp5a1	**396.46488**	4096285
chr14	47373860	47386167	Lgals3	**392.34618**	2344527
chr3	87948693	87953372	Crabp2	**388.33084**	1485405
chr12	8771396	8793687	Sdc1	**378.69419**	4918611
chr15	101412403	101427806	Krt7	**377.31375**	2543351
chr3	101576219	101604707	Atp1a1	**373.35867**	5874395

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chr3	93014205	93015686	Crct1	**372.6346**	1135541
chr3	67478886	67515523	Rarres1	**371.30375**	2226675
chr15	74994877	74998031	Ly6a	**368.98889**	1571381
chr7	46845804	46855627	Ldha	**368.49053**	3022624
chr15	99392947	99410049	Tmbim6	**367.46843**	4377676
chr6	67534059	67535822	Tacstd2	**362.9806**	2721338
chr19	10870661	10881743	Tmem109	**362.94817**	2975619
chr4	115088708	115093894	Pdzk1ip1	**361.99818**	1737004
chr17	35067325	35070048	Ly6g6c	**359.73062**	1467740
chr8	120668225	120674209	Cox4i1	**359.56604**	1167542
chrX	37082520	37085184	Rpl39	**358.41507**	600182
chr11	70651847	70654650	Pfn1	**357.08286**	1320349
chr9	44407714	44410406	Rps25	**347.86408**	714097
chr17	32452723	32493320	Cyp4f39	**345.35575**	3842703
chr14	24490681	24496146	Rps24	**341.80415**	1271118
chr7	141392160	141402976	Taldo1	**341.00844**	1849338
chr15	74714839	74717065	Psca	**340.91918**	1240297
chr5	115345654	115348955	Cox6a1	**338.17398**	766069
chr2	34772090	34776529	Hspa5	**338.02896**	3758306
chr2	143915331	143943324	Dstn	**337.45938**	2725057
chr19	7215158	7217616	Cox8a	**333.34461**	772130
chr7	43781054	43785410	Klk10	**332.6939**	1914538
chr7	30616974	30626151	Cox6b1	**329.70351**	707645
chr19	44203288	44244016	Scd3	**327.84589**	4835036
chr19	34592888	34601968	Gm14446	**327.76044**	3308420
chr7	30186942	30195048	Capns1	**326.274**	1982983
chr7	30751471	30756134	Sbsn	**321.46428**	1000102
chr2	174461075	174464101	Atp5e	**318.42631**	560286
chr2	148871732	148875468	Cst3	**318.08825**	1003118
chr9	96332675	96364299	Atp1b3	**315.08424**	2451972
chr4	116636510	116651674	Akr1a1	**312.66179**	1878991
chr7	28893586	28962280	Actn4	**311.67552**	4608479
chr14	75845256	75848303	Tpt1	**310.97501**	1181581
chr13	119690351	119708260	Hmgcs1	**309.61744**	4707007
chr4	3995942	4019663	Sdr16c5	**306.9993**	1799294
chr19	34100943	34122548	Lipm	**306.49751**	3337387
chr1	63176831	63180486	Eef1b2	**306.02637**	2514150
chr10	60277628	60302600	Psap	**305.69841**	3550858
chr7	31071162	31076697	Fxyd3	**301.3559**	384239
chr4	116685599	116700000	Prdx1	**300.13359**	1787118
chr7	100493358	100499629	Ucp2	**299.88841**	2008706
chr11	116021961	116024504	H3f3b	**299.83311**	2539729
chr17	35263094	35267497	H2-D1	**297.52167**	845951
chr15	36595658	36608973	Pabpc1	**296.45052**	3553054
chr6	124810615	124814296	Tpi1	**295.08974**	1979072
chr11	99566027	99566630	Krtap3-1	**294.78062**	756722

chr18	43963241	44022487	Spink5	**288.71109**	5846916
chr9	111019292	111042766	Ltf	**286.78235**	3342107
chr17	39842997	39848829	Rn45s	**285.44814**	7076519
chr4	116066965	116075070	Uqcrh	**284.1187**	659315
chr5	108433253	108434378	Atp5k	**283.84418**	352260
chr1	135253574	135258472	Elf3	**283.20882**	2407339
chr7	81342733	81345234	Rps17	**281.94584**	567995
chr1	153900037	153909723	Glul	**281.16611**	3225272
chr11	69916712	69921958	Eif5a	**278.80513**	2157800
chr3	121758910	121815215	Abcd3	**276.74441**	3997887
chr13	38151294	38198577	Dsp	**274.94424**	11208675
chr3	90600215	90602702	S100a3	**274.2204**	829813
chr19	44293676	44306862	Scd2	**273.80574**	6272372
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chr2	35256359	35307902	Gsn	**271.97739**	3396136
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chr11	21556692	21571934	Mdh1	**271.19918**	2256844
chr5	147860628	147875778	Pomp	**268.69937**	838230
chr19	4192174	4195197	Ppp1ca	**268.35869**	1301373
chr11	70315613	70322518	Alox12e	**262.84802**	2579462
chr5	136057267	136064324	Upk3bl	**261.91644**	1161041
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chr17	35050243	35058719	Clic1	**260.35687**	1282487
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chr9	59656368	59679375	Pkm	**254.72187**	2813669
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chr6	72544391	72562983	Capg	**253.38428**	2064440
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chrX	73686183	73716175	Bcap31	**251.3198**	1296719
chr15	35931976	35938246	Cox6c	**250.45901**	535433
chr8	84969648	84974313	Prdx2	**250.41796**	1002575
chr13	41763148	41847616	Adtrp	**249.90945**	2725460
chr5	114669500	114690935	Gltp	**249.29077**	1706877
chr4	57943373	57956411	Txn1	**247.56335**	1105833
chr4	134496761	134510237	Paqr7	**247.39164**	4412904
chr6	72385221	72390667	Vamp8	**247.38692**	826418
chr9	120933400	120960507	Ctnnb1	**246.89554**	3801737
chr1	74236550	74268213	Arpc2	**246.47368**	1672923
chr14	34351882	34355393	Fam25c	**246.30728**	384188
chr19	3972328	3981665	Aldh3b2	**245.67961**	2256443
chr7	13032006	13034777	Chmp2a	**243.74781**	960331
chr11	59211412	59228267	Arf1	**241.73707**	2143177
chr2	32876134	32925214	Fam129b	**240.98068**	3742409
chr2	121413902	121438686	Pdia3	**239.88016**	2693566
chr7	45718071	45720835	Rpl18	**238.65327**	688712
chr3	94884324	94886958	Psmb4	**237.94172**	959704

chr2	25222282	25224702	Tubb4b	**237.66736**	1490927
chr16	88829009	88829844	Krtap15	**235.48571**	836703
chr7	30763756	30781066	Dmkn	**234.967**	2161049
chr10	80142315	80145818	Atp5d	**234.88349**	929400
chr11	69991370	69994949	Gabarap	**234.39724**	1117753
chr19	5842302	5845478	Neat1	**233.71757**	3155797
chr5	122391928	122406178	Arpc3	**233.65333**	842109
chr4	132530555	132533659	Atpif1	**233.06637**	533911
chr6	124663104	124704716	Lpcat3	**231.83509**	2180525
chr5	134945124	134946934	Cldn4	**230.14387**	1771407
chr3	96558398	96561857	Txnip	**228.28153**	2129638
chr7	43811444	43816359	Klk7	**228.24378**	1692758
chr11	93949814	93956256	Nme2	**226.748**	972378
chr17	28769317	28778704	Mapk13	**225.64377**	1331108
chr16	89010380	89010759	Krtap22-2	**224.47452**	362536
chr11	52231995	52246858	Skp1a	**224.13806**	1385098
chr17	24038243	24045949	Prss27	**222.03064**	1084260
chr4	134127406	134128753	Sh3bgrl3	**220.59052**	662837
chr9	66060169	66063082	Ppib	**219.74602**	410936
chr11	100368856	100397790	Jup	**219.54377**	4673827
chr11	52361115	52389396	Vdac1	**219.01782**	1643882
chr10	91116578	91123963	Slc25a3	**218.5625**	1404520
chr11	75732887	75765841	Ywhae	**217.26694**	1918844
chr8	83571698	83594491	Tecr	**214.138**	1068470
chr6	120795244	120822685	Atp6v1e1	**213.0811**	1090365
chr6	88724412	88828360	Mgll	**212.74059**	4184506
chr7	141160326	141172851	Rnh1	**211.67033**	1812740
chr4	107178630	107200996	Tmem59	**211.40705**	1387290
chr15	99591028	99594829	Aqp5	**211.13588**	1391792
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chr3	89093588	89101967	Fdps	**208.29176**	1293370
chr8	13159135	13175338	Lamp1	**207.28954**	1986664
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chr19	55253369	55296628	Acsl5	**205.03093**	2745796
chr10	71330494	71344849	Cisd1	**204.61827**	839213
chr1	72711260	72713813	Rpl37a	**203.46637**	508476
chr16	89015277	89015846	Gm10229	**203.24578**	492376
chr3	122924397	122926194	1810037I17Rik	**202.09395**	838308
chr19	9083642	9087956	Scgb1a1	**199.78754**	397388
chr7	28825338	28832239	Ech1	**199.51893**	964999
chr16	10281749	10313968	Emp2	**199.43108**	2915760
chr12	72650353	72664828	Dhrs7	**199.30253**	1104564
chr16	91925223	91931630	Atp5o	**198.96148**	652810
chr7	66079649	66089405	Vimp	**197.91087**	1001802
chr1	135871395	135919024	Pkp1	**197.87289**	3772646
chr17	70973963	70990516	Myl12b	**197.37043**	787677
chr2	121358641	121363726	Ckmt1	**196.71556**	1319308

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chr6	136808248	136810074	H2afj	**51.11246**	396886
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chr2	30185131	30205699	Ccbl1	**20.53327**	167905
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chr6	97151950	97179124	Tmf1	**9.56228**	275585
chr7	79875325	79920640	Ap3s2	**9.56216**	235876
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chr3	127536714	127553349	Larp7	**9.53909**	85990
chr13	33964659	33988465	Nqo2	**9.53838**	163981
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chr12	85473901	85477270	Fos	**9.53354**	84846
chr4	134356373	134372547	Extl1	**9.53082**	166646
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chr14	20649102	20656540	Myoz1	**6.92099**	38063
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chr2	84798828	84810003	Ube2l6	**6.91919**	40788
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chr14	50765409	50785520	Ttc5	**6.436**	100142
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chr18	36281162	36288244	Pura	**6.40289**	43568
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chr13	97137937	97181196	Gfm2	**5.86557**	125968
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chr14	32180166	32201891	Timm23	**5.63192**	27814
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chr19	6384429	6398459	Pygm	**5.54804**	67061
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chr3	103832696	103854618	Bcl2l15	**5.45726**	48545
chr14	24133953	24245920	Dlg5	**5.45653**	182118
chr16	20703037	20716636	Clcn2	**5.4525**	82823
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chr10	24869986	24913529	Med23	**5.41081**	113741
chr2	110017817	110045325	Ccdc34	**5.41049**	47807
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chr3	144952486	144975045	Clca6	**5.39412**	68731
chr5	138116905	138134265	Zscan21	**5.39287**	53198
chr11	87077732	87086777	Smg8	**5.3908**	73798
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chr16	17619354	17644830	Smpd4	**5.3784**	106545
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chr11	102475916	102556158	Gpatch8	**5.37727**	156070
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chr7	81571292	81596836	Whamm	**5.20179**	67850
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chr2	3284212	3328877	Nmt2	**4.94248**	93036
chr7	46923216	46958518	Uevld	**4.94145**	96755
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chr1	20730905	20734496	Il17a	**4.93984**	24585
chr2	153241532	153270249	Pofut1	**4.93941**	117624
chr9	78109192	78172109	Ick	**4.93891**	145446
chr6	72414308	72431106	Ggcx	**4.93864**	69749
chr19	46056539	46072909	Pprc1	**4.93476**	109984
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chr15	100689915	100729376	Galnt6	**4.93187**	120924
chr15	98571004	98589588	4930415O20Rik	**4.93065**	11861
chr14	70654246	70766628	Xpo7	**4.93032**	316789
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chr11	83294930	83298977	Pex12	**4.92832**	51129
chr7	110221703	110283506	Swap70	**4.92798**	84511
chr8	109705546	109724932	Zfp821	**4.92551**	51665
chr11	120456604	120458063	Oxld1	**4.92129**	16942
chr7	16119876	16127516	Kptn	**4.91907**	34475
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chr5	34153897	34168394	Haus3	**4.91322**	39028
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chr7	133637675	133673017	Edrf1	**4.90825**	111354
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chr1	138963709	139176042	Dennd1b	**4.90317**	173235
chr3	105678462	105687571	Ddx20	**4.90293**	56471
chr6	38697840	38876190	Hipk2	**4.90021**	95281
chr7	140097815	140102441	Fuom	**4.90008**	48566
chr1	63730625	63753385	Fastkd2	**4.89971**	66742
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chr1	66175329	66442583	Map2	**4.89446**	114827
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chr9	72532240	72622949	Rfx7	**4.86702**	165483
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chr13	90923122	90924732	Rps23	**4.86558**	11477
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chr5	37050857	37125298	Jakmip1	**4.86301**	49232
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chr1	132007605	132025684	Elk4	**4.86253**	75866
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chr10	99107171	99197988	Poc1b	**4.85476**	56267

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chr15	103153290	103163284	Smug1	**4.84539**	74363
chr7	78895927	78908833	Aen	**4.84419**	53118
chr4	154142372	154156818	Wdr8	**4.84384**	32939
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chr17	50733127	51179352	Tbc1d5	**4.81351**	120743
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chr19	47090766	47131145	Pdcd11	**4.79535**	123161
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chr16	93883901	93906106	Chaf1b	**4.7937**	38975
chr5	140505609	140525238	Chst12	**4.79363**	36387
chr12	107910403	108003414	Bcl11b	**4.79354**	161416
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chr17	25099569	25115967	Telo2	**4.79312**	71931
chr5	144768792	144859773	Trrap	**4.79262**	254126
chr2	104754793	104816696	Qser1	**4.79083**	182745

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chr9	22225703	22243354	Zfp809	**4.77979**	42803
chr6	21949615	21976037	Ing3	**4.77788**	76251
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chr5	139150223	139186505	Heatr2	**4.76975**	69837
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chr14	54541785	54554361	Haus4	**4.76032**	32108
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chr13	22040960	22041362	Hist1h4i	**4.72502**	8093
chr11	99514624	99521258	Krt39	**4.72476**	29097
chr5	122364584	122371963	Fam216a	**4.72371**	19735
chr10	95411490	95416857	Socs2	**4.72354**	52317
chr1	172376531	172384099	Pigm	**4.72208**	151905
chr2	60293760	60383231	Ly75	**4.72031**	103760
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chr9	46283012	46298783	Bud13	**4.71268**	44225
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chr14	20294690	20317575	Nudt13	**4.69951**	50393
chr18	12972252	12992948	Impact	**4.69856**	68535
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chr11	69561754	69579324	Wrap53	**4.69372**	37823
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chr4	122946851	122961188	Mfsd2a	**4.68989**	42855
chr8	22168152	22185819	Ckap2	**4.68405**	51780
chr6	81957842	81965949	Mrpl19	**4.68165**	76705
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chr7	4148183	4149872	Leng9	**4.67972**	33613
chr7	133686355	133709295	Uros	**4.67907**	48225
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chr6	119570796	119848150	Erc1	**4.67732**	195889
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chr5	138259658	138264044	BC037034	**4.67044**	50379
chr3	115888183	115929323	Dph5	**4.66687**	31081
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chr9	37229149	37255738	Slc37a2	**4.6621**	87897
chr7	97371617	97392158	Alg8	**4.66096**	39639
chr8	84066836	84096992	Rfx1	**4.66087**	82644
chr3	92788845	92790514	Lce1j	**4.66025**	13825
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chr11	97362551	97398542	Socs7	**4.65363**	138746
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chr17	24892152	24895087	Eme2	**4.65084**	30065
chr3	116739999	116808166	Agl	**4.65056**	190242
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chr13	64161866	64186537	Habp4	**4.64838**	50714
chr5	23431808	23434353	5031425E22Rik	**4.64837**	50299
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chr10	19934526	20142750	Map3k5	**4.63861**	106321
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chr17	85063477	85090274	Prepl	**4.63832**	63694
chr15	77015487	77050606	Mb	**4.63539**	20686
chr12	37241639	37581932	Agmo	**4.63282**	42432
chr10	80226598	80245144	Mum1	**4.63239**	73181
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chr5	138085084	138107822	Zkscan1	**4.62407**	162352
chr12	72073428	72085313	L3hypdh	**4.62392**	33507
chr17	80224489	80228497	Gemin6	**4.62104**	21329
chr11	23862646	23895270	Papolg	**4.61793**	73875
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chr14	56668248	56695748	Mphosph8	**4.61569**	50122
chr14	99076634	99098840	Dis3	**4.61509**	66631
chr17	56111601	56117548	Plin5	**4.61507**	38013
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chr19	47033619	47050845	Pcgf6	**4.61256**	41129
chr1	58430993	58445486	Ppil3	**4.61212**	38518
chr14	46383607	46390599	Bmp4	**4.61001**	37364
chr7	19119859	19138261	Fbxo46	**4.60599**	57984
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chr7	35397093	35438684	Cep89	**4.59173**	50096
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chr9	45766946	45828638	Cep164	**4.58563**	106958
chr4	41518929	41569527	Fam219a	**4.5846**	41094
chr5	92683435	92965759	Shroom3	**4.58391**	148415
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chr4	144777204	144786583	Gm438	**4.58023**	27876
chr11	120090522	120098731	Enthd2	**4.57969**	54091
chr5	65131231	65168142	Klhl5	**4.57651**	66288
chr14	55540266	55550017	Pck2	**4.57614**	66127
chr5	105699969	105815215	Lrrc8d	**4.57492**	81645
chr2	180176373	180225859	Lama5	**4.57408**	221387
chr11	98937696	98974942	Rara	**4.57362**	80300
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chr17	28328471	28331033	Rpl10a	**4.5575**	16077
chr4	117019408	117086852	Eif2b3	**4.55734**	77903
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chr7	101108775	101284405	Fchsd2	**4.55016**	85303
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chr14	61339763	61360445	Ebpl	**4.54693**	40138
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chr2	104095801	104115410	Cd59a	**4.54571**	36070
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chr16	4544661	4559720	Tfap4	**4.54263**	40795
chr5	24862735	25100642	Prkag2	**4.54234**	66739
chr7	35772346	35801528	Zfp507	**4.54231**	126141
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chr2	172356190	172370570	Aurka	**4.53432**	38061
chr8	36216064	36249516	Lonrf1	**4.53178**	75694
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chr4	139962173	139968026	Klhdc7a	**4.52272**	110700
chr5	137294669	137295664	Ufsp1	**4.52197**	19142
chr3	85574129	85654470	Gatb	**4.52146**	44333
chr11	78180936	78183584	Rpl23a	**4.52014**	10739
chr11	23741729	23770970	Rel	**4.51937**	49633
chr4	155654470	155669254	Mib2	**4.51781**	76920
chr8	79266424	79294956	Mmaa	**4.51756**	54586
chr16	37539894	37572385	Rabl3	**4.51736**	38821
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chr5	28317189	28419242	Rbm33	**4.5168**	182390
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chr10	45289305	45318450	Popdc3	**4.51509**	35520
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chr12	73280410	73286711	Trmt5	**4.50487**	31955
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chr13	73260497	73269620	Irx4	**4.35025**	48090
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chr9	45838529	45862484	Bace1	**4.16146**	74178
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chr10	92684745	92722418	Nedd1	**4.16106**	62481
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chr11	70669463	70688105	Camta2	**4.15416**	81781
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chr8	4735980	4779534	Shcbp1	**4.14027**	37516
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chr5	31054780	31078479	Cad	**4.1346**	125292
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chr17	33949912	33951488	B3galt4	**4.13283**	27700
chr19	6996131	6998957	Trpt1	**4.13215**	18528
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chr3	90385233	90389927	Slc27a3	**4.12413**	39701

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chr19	8725866	8725991	Snord22	**4.08766**	2189
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chr19	45552276	45560543	Poll	**4.08423**	40532
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chr9	65214690	65239219	Parp16	**4.07305**	42983
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chr14	59347407	59365490	Phf11d	**4.06603**	46417
chr9	65909010	66045014	Csnk1g1	**4.06423**	124075
chr1	93803965	93822100	Ing5	**4.0633**	78369
chr10	76469115	76515857	Mcm3ap	**4.06325**	107743
chr8	22060721	22071627	Alg11	**4.06099**	85677
chr17	22361453	22377281	Zfp758	**4.05986**	51316
chr2	74514837	74578948	Lnp	**4.0592**	151387

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chr10	13207717	13474396	Phactr2	**4.05773**	153712
chr11	86544991	86567360	Tubd1	**4.05512**	33849
chr12	31265294	31329639	Lamb1	**4.05487**	99576
chr16	48994188	49019705	C330027C09Rik	**4.05466**	68483
chr17	36258873	36272004	Trim39	**4.05313**	54814
chr5	69556942	69573630	Guf1	**4.05265**	68518
chr13	104179098	104202048	Trim23	**4.04835**	73263
chr2	29774684	29787671	Trub2	**4.04668**	68847
chr12	3806980	3914443	Dnmt3a	**4.04581**	171040
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chr17	24528251	24528744	Rab26os	**4.04536**	5072
chr2	76675315	76697335	Plekha3	**4.04183**	51655
chr5	48372392	48388756	Pacrgl	**4.03879**	25130
chr12	108554720	108686465	Evl	**4.0379**	37927
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chr11	77216425	77460219	Ssh2	**4.03739**	159805
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chr5	150259930	150497753	Fry	**4.03**	183783
chr1	57774861	57948397	Spats2l	**4.02985**	69280
chr5	17574816	17730267	Sema3c	**4.02919**	84852
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chr13	12395375	12438893	Heatr1	**4.02618**	115949
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chr9	50895344	51009073	Sik2	**4.01967**	50620
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chr5	35556209	35575070	Trmt44	**3.99983**	64327
chr5	91963069	91972137	Thap6	**3.99976**	59260
chr3	30602087	30619873	Mynn	**3.99921**	94045
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chr9	110305192	110322102	Elp6	**3.98941**	34996
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chr10	62185396	62231218	Tspan15	**3.96465**	60745
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chr1	169972397	170088944	Ddr2	**3.95513**	137840
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chr11	63962627	64079472	Cox10	**3.95382**	49085
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chr11	40701388	40733437	Hmmr	**3.95198**	65741
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chr12	79232347	79296282	Zfyve26	**3.94743**	157167
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chr5	122158279	122175269	Ppp1cc	**3.94718**	39910
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chr7	27258761	27282150	Numbl	**3.93412**	45697
chr8	111003186	111031751	Ddx19b	**3.9314**	112785
chr11	26387084	26471883	Fancl	**3.92865**	23326
chr17	78752906	78835381	Heatr5b	**3.92701**	107435
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chr8	129216354	129234046	2610044O15Rik8	**3.92663**	29639
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chr13	74480057	74493950	Zfp825	**3.92249**	23056
chr1	44119968	44144771	Bivm	**3.92221**	59528
chr16	96235801	96319858	B3galt5	**3.9216**	88803
chr11	82764345	82767622	Zfp830	**3.919**	54599
chr18	53681723	53744547	Cep120	**3.91805**	75834
chr12	55836366	55869735	Brms1l	**3.91664**	42714
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chr18	61105572	61131139	Csf1r	**3.91319**	64447
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chr11	54902854	54910382	Gpx3	**3.90156**	25155
chr3	96161970	96171718	Mtmr11	**3.90057**	46617
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chr5	130073326	130135733	Tpst1	**3.89373**	35795
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chr3	62338777	62462221	Arhgef26	**3.88535**	85951

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chr9	44067021	44095627	Usp2	**3.88005**	72328
chr11	50174851	50200115	3010026O09Rik	**3.87895**	18794
chr1	136416582	136440220	Ddx59	**3.8789**	34208
chr11	84078920	84129568	Tada2a	**3.87675**	34914
chr6	39381428	39390379	Rab19	**3.87593**	21761
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chr11	55049738	55078131	Ccdc69	**3.87321**	23359
chr2	101950201	102186460	Ldlrad3	**3.87216**	64298
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chr7	29768552	29781419	Zfp84	**3.86596**	93836
chr8	72494559	72548310	Med26	**3.86487**	49919
chr14	49066668	49087723	Ap5m1	**3.86424**	49139
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chr12	80463095	80498135	Exd2	**3.86274**	54554
chr11	84880220	84910954	Myo19	**3.86238**	60557
chr11	78567168	78697425	Nlk	**3.86058**	73770
chr7	102082147	102083018	Xntrpc	**3.85913**	5593
chr15	56665627	56694546	Has2	**3.85705**	66588
chr19	34290659	34327770	Fas	**3.85671**	29521
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chr14	33377899	33447158	Mapk8	**3.84993**	94167
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chr10	61319657	61383523	Pald1	**3.84762**	69892
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chr8	10924427	10928457	3930402G23Rik	**3.84444**	46518
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chr7	80343137	80346097	Hddc3	**3.84039**	14037
chr17	24696234	24700529	Noxo1	**3.83967**	36522
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chr19	40894790	40917947	Zfp518a	**3.83803**	110188
chr9	55220222	55283625	Nrg4	**3.83618**	28728
chr3	97689829	97888707	Pde4dip	**3.83498**	209215
chr12	111678105	111683902	Trmt61a	**3.83339**	34719
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chrX	49009707	49288242	Enox2	**3.82637**	64676
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chr8	27123832	27128632	Brf2	**3.825**	22483
chr2	173206612	173218922	Zbp1	**3.82403**	35138
chr19	5940543	5964206	Pola2	**3.82203**	46653
chr10	80339793	80348448	Adamtsl5	**3.82105**	57749
chr16	3905798	3908689	1700037C18Rik	**3.8178**	17800
chr14	110748578	110755149	Slitrk6	**3.81608**	68800

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chr8	46169556	46195590	Cfap97	**3.81189**	73277
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chr9	37613847	37648318	Siae	**3.78859**	55278
chr19	38395980	38405607	Slc35g1	**3.78772**	55877
chr3	18054325	18057514	Bhlhe22	**3.78754**	51351
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chr18	24708623	25133507	Fhod3	**3.78358**	100295
chr9	109059747	109074124	Atrip	**3.78272**	41350
chr19	4793672	4794009	Rbm4	**3.78201**	5433
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chr4	117159633	117182624	Kif2c	**3.76949**	49360
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chr3	90213715	90226387	Rab13	**3.76892**	26206
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chr6	123229843	123247024	Clec4n	**3.75724**	19881
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chr4	149896284	149955006	Spsb1	**3.74866**	48657
chr7	80377758	80387946	Fes	**3.74842**	44002
chr3	55625198	56183701	Nbea	**3.74558**	174840
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chr13	35978797	36117357	Lyrm4	**3.741**	24088
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chr17	35655635	35667592	Vars2	**3.73775**	70279
chr4	133574745	133584242	Gpatch3	**3.73771**	31819
chr4	148140490	148145696	Mad2l2	**3.73635**	19437
chr13	23621777	23622558	Hist1h1e	**3.73542**	12415
chr6	90659598	90810123	Iqsec1	**3.73262**	108066
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chr2	5870987	5895353	Sec61a2	**3.72498**	37505
chr8	13952008	13974777	Tdrp	**3.72381**	38981
chr4	34566909	34614942	Orc3	**3.72373**	97838
chr13	63301199	63301283	Mir3074-1	**3.72308**	269
chr5	125414404	125434048	Dhx37	**3.72245**	65514
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chr11	76672470	76673676	Bhlha9	**3.71821**	19074
chr18	68337603	68339711	Mc5r	**3.71662**	18355
chr18	11839378	11945627	Cables1	**3.71652**	49930
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chr5	27740081	27791550	Paxip1	**3.71629**	92383
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chr4	65604986	65616240	Trim32	**3.70306**	50300
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chr5	77265494	77283697	Rest	**3.69958**	67077
chr5	31253279	31291114	Ift172	**3.69865**	85012
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chrX	94367110	94417092	Apoo	**3.69469**	10411
chr9	31386192	31421334	Nfrkb	**3.69295**	81020
chr10	43221486	43464882	Pdss2	**3.6922**	31871
chr11	115614181	115628295	Slc25a19	**3.69188**	43809
chr7	43296523	43313261	Zfp715	**3.69071**	65724
chr17	33875666	33890633	Kifc1	**3.68942**	36410
chr8	70754679	70758648	Rab3a	**3.68851**	22151
chr13	68582248	68592279	Fastkd3	**3.68631**	37006
chr11	3289131	3308999	Patz1	**3.68581**	53230

chr5	140705011	140719378	Brat1	**3.68494**	54580
chr19	23206441	23273897	Smc5	**3.68349**	91865
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chr5	25271794	25498783	Kmt2c	**3.68283**	263274
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chr2	3341988	3366569	Olah	**3.67395**	23547
chr14	62676325	62761112	Ints6	**3.67156**	77383
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chr14	78492246	78536860	Akap11	**3.6651**	146674
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chr8	88647347	88688474	Nod2	**3.36032**	65996
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chr9	8994953	9239013	Arhgap42	**3.33474**	76591
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chr13	9276525	9668926	Dip2c	**3.33262**	113652
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chr11	78094673	78157339	Fam222b	**3.32371**	54866
chr3	88616207	88648052	Arhgef2	**3.32264**	68405
chr6	48395586	48419855	Krba1	**3.32235**	98913
chr6	87980421	87981482	H1fx	**3.32017**	14986
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chr17	24223232	24251409	Ccnf	**3.16006**	41514
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chr5	124328089	124341852	2810006K23Rik	**3.01346**	21696
chr17	21926963	21962464	Zfp942	**3.01111**	41912
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chr3	106758861	106790149	Cd53	**3.00937**	35838
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chr15	85859707	85876573	Gtse1	**3.00694**	35528
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chr2	33729956	33887946	Mvb12b	**2.97556**	63169
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chr5	138622859	138648905	A430033K04Rik	**2.95518**	39463
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chr11	82871961	82890624	Rad51d	**2.95464**	96756
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chr7	128234451	128237356	9130023H24Rik	**2.94839**	36415
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chr17	24632682	24638838	Nthl1	**2.93979**	13494
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chr2	32963301	32963418	Snora65	**2.9391**	1474
chr16	87433331	87440592	Rwdd2b	**2.93886**	26280
chr8	123254195	123270551	Zfp276	**2.93834**	51202
chr9	56089976	56128890	Pstpip1	**2.93798**	23113
chr8	70382358	70439573	Crtc1	**2.93608**	70804
chr7	45699967	45704661	Car11	**2.93554**	17966
chr19	46573365	46596900	Sfxn2	**2.93509**	40068
chr13	29906575	29986063	E2f3	**2.93182**	66801
chr8	69822565	69831102	Lpar2	**2.93047**	71005
chr13	68560780	68582121	Mtrr	**2.92975**	45972
chr3	131110297	131224357	Lef1	**2.92313**	45806
chr17	94727080	94749892	Mettl4	**2.92195**	26700
chr1	166393621	166409828	Pogk	**2.9213**	91393
chr10	34297421	34301320	Tspyl4	**2.91872**	48379
chr10	38965515	39110188	Lama4	**2.91736**	74965
chr5	74204816	74531742	Scfd2	**2.91686**	74977
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chr14	30714849	30822721	Sfmbt1	**2.91578**	100651
chr1	182565007	182632352	Capn8	**2.91547**	45909
chr13	76060422	76098660	Arsk	**2.91539**	45313
chr17	21423227	21435384	Zfp54	**2.91531**	31422
chr17	79706953	79715041	Cyp1b1	**2.91522**	63536
chr14	37077849	37098311	Cdhr1	**2.91366**	53298
chr12	116405402	116463531	Ncapg2	**2.91338**	81772
chrX	150397773	150459150	Tmem29	**2.9126**	34079

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chr19	8927382	8929356	Rom1	**2.9118**	18885
chr3	40799951	40816883	Plk4	**2.91141**	43890
chr14	7965190	7994182	Dnase1l3	**2.91117**	45767
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chr4	33170406	33189737	Pm20d2	**2.91013**	68929
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chr2	150909594	150931280	Gins1	**2.90811**	14325
chr6	103510876	103733035	Chl1	**2.90617**	95737
chr13	55105309	55135071	Zfp346	**2.90587**	44424
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chr4	4133536	4138445	Penk	**2.89944**	17400
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chr4	88412930	88438926	Ptplad2	**2.88923**	25652
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chr17	57066055	57078510	Dennd1c	**2.88496**	30911
chr5	110653451	110660496	Ddx51	**2.88109**	59339
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chr9	123034741	123067558	Tgm4	**2.85492**	33574

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chr11	74383483	74590158	Rap1gap2	**2.85311**	77728
chr4	134129858	134187085	Cep85	**2.85194**	46860
chr8	11198423	11312826	Col4a1	**2.85109**	80157
chr12	44852486	45074483	Stxbp6	**2.85093**	52405
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chr15	51877441	51884622	Utp23	**2.84886**	35319
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chr2	158768099	158786637	Fam83d	**2.84209**	27299
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chr2	121194835	121271407	Trp53bp1	**2.83614**	90332
chr19	61224402	61228418	Csf2ra	**2.8358**	22285
chr4	135728159	135755383	Il22ra1	**2.83549**	70198
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chr4	46376975	46389423	5830415F09Rik	**2.81787**	18659
chr18	36017658	36197160	Nrg2	**2.81722**	33885
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chr11	21572281	21898686	Wdpcp	**2.81363**	29214
chr1	37299838	37410740	Inpp4a	**2.81337**	82301
chr17	35841498	35859670	Mdc1	**2.8087**	87763
chr18	54888045	54990180	Zfp608	**2.80609**	72893
chr1	64679869	64690659	2810408I11Rik	**2.80497**	8500
chr11	120464354	120467600	Arl16	**2.80482**	23782
chr4	129150825	129189482	S100pbp	**2.80473**	18429
chr2	19371636	19394971	Msrb2	**2.80054**	14176
chr7	127214442	127218445	Sept1	**2.79916**	17286
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chr14	65819027	65833969	Esco2	**2.79529**	34441
chr13	67538641	67553152	Zfp748	**2.7946**	54814
chr3	98280431	98310738	Hmgcs2	**2.79445**	39122
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chr8	19445770	19447606	Defb8	**2.79301**	3395
chr15	98517658	98534269	Kansl2	**2.79288**	42744
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chr10	76351254	76442912	Pcnt	**2.79193**	108586
chr11	68972516	68975185	Rangrf	**2.78911**	10882
chr12	100912700	101028983	Ccdc88c	**2.78703**	74530
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chr19	36917550	36919599	Fgfbp3	**2.77991**	20747
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chr16	23224740	23360350	St6gal1	**2.77276**	56990
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chr7	142079487	142095284	Dusp8	**2.76018**	56532
chr8	83723352	83741311	Cd97	**2.7593**	36601
chr11	94539798	94549207	Rsad1	**2.75929**	48680
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chr12	64942440	64965536	Klhl28	**2.75717**	33444
chr18	41875696	41951194	Prelid2	**2.75683**	8483
chr5	145204559	145221750	Zkscan5	**2.75634**	44481
chr2	101714285	101838980	Prr5l	**2.7563**	52083
chr5	137314558	137333582	Slc12a9	**2.75596**	38829
chr6	38433925	38512763	Ubn2	**2.75564**	170992
chr3	90237500	90243512	Creb3l4	**2.75331**	18173
chr1	157458582	157488733	BC026585	**2.75318**	15083
chr11	109485476	109573329	Arsg	**2.75231**	39152
chr7	100372233	100470159	C2cd3	**2.75207**	91374
chr15	89472476	89477424	Arsa	**2.75021**	38526
chr18	31909094	31911903	Sft2d3	**2.74692**	32806
chr2	118528757	118549678	Bmf	**2.74657**	54082

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chr19	6057888	6059524	Fau	**2.74146**	9496
chr5	149411806	149431703	Medag	**2.73984**	33490
chr7	125707876	125874797	D430042O09Rik	**2.73753**	72031
chr4	72109945	72200893	Tle1	**2.73694**	141600
chr14	18271142	18284000	Nkiras1	**2.73572**	45090
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chr18	82593597	82692734	Zfp236	**2.72706**	109795
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chr10	90989311	91082743	Apaf1	**2.72333**	75396
chr9	95954760	96053029	Xrn1	**2.71995**	63592
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chr7	138835818	138846267	Mapk1ip1	**2.7194**	16412
chr2	69822370	69836651	Klhl23	**2.71781**	53331
chr11	22972005	22976496	Zrsr1	**2.71299**	51795
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chr13	108158738	108194981	Ercc8	**2.70575**	24230
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chr8	122578237	122611487	Galns	**2.70372**	29716
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chr4	116031770	116053876	Nsun4	**2.69827**	40264
chr4	131921771	131923140	Tmem200b	**2.69791**	15709
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chr7	6286580	6307883	Zfp667	**2.69674**	42075
chr6	42672547	42693059	Fam115a	**2.69366**	42794
chr2	27188393	27247303	Sardh	**2.69291**	52167
chr16	32914100	33014269	Lrch3	**2.69019**	47541
chr6	40407498	40436133	E330009J07Rik	**2.68911**	22298
chr19	41766588	41802084	Arhgap19	**2.68832**	58728
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chr16	3861544	3872374	Zfp597	**2.68579**	64266
chr8	12915893	13020509	Mcf2l	**2.68502**	62901
chr12	76348900	76369560	Zbtb25	**2.68482**	20277
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chr9	42412317	42472226	Tbcel	**2.68276**	56634
chr19	46135695	46148325	Pitx3	**2.68252**	15608
chr8	69808687	69821870	Gmip	**2.6824**	44747
chr11	101092208	101095435	Psmc3ip	**2.68124**	10313
chr13	33879816	33905708	Serpinb6c	**2.68083**	15131
chr3	132881745	132950291	Npnt	**2.68003**	54674
chr5	115478010	115484484	Sirt4	**2.67977**	20478
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chr4	93334148	93335511	Tusc1	**2.67045**	15481
chr5	35057084	35087831	Dok7	**2.67023**	28179
chr4	107070168	107084805	Cyb5rl	**2.66967**	18211
chr19	44108637	44135876	Cwf19l1	**2.66925**	40625
chrX	100626065	100727271	Kif4	**2.66891**	53449
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chr5	107900528	107908041	Rpl5	**2.66555**	11952
chr7	119783826	119794058	Eri2	**2.66551**	32015
chr8	85007203	85014531	Best2	**2.66425**	25036
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chr10	105763185	105841380	Mettl25	**2.66121**	23062
chr10	69533708	70027436	Ank3	**2.66088**	120837
chr7	19076200	19082775	Dmwd	**2.65922**	28481
chr16	90936097	91011248	Synj1	**2.65755**	80973
chr4	136247957	136274899	Tcea3	**2.65722**	14083
chr19	38055025	38074425	Cep55	**2.65618**	31361
chr9	86552476	86571842	Pgm3	**2.6555**	36048
chr11	79014801	79146354	Ksr1	**2.65303**	42453
chr9	22276748	22307638	Zfp810	**2.65189**	36495
chr11	69803595	69803668	Tmem102	**2.65176**	834
chr2	91643688	91649791	Zfp408	**2.65064**	42133
chr6	90462626	90475209	Klf15	**2.64981**	25835
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chr1	38056264	38129662	Rev1	**2.64835**	34015
chr3	36863106	37053033	4932438A13Rik	**2.64673**	178666
chr2	127008711	127069814	Ap4e1	**2.64627**	73375
chr4	155650655	155653384	Mmp23	**2.64527**	16122
chr1	53313624	53326342	Osgepl1	**2.64472**	21885
chr14	31237696	31251218	Phf7	**2.64414**	22296
chr15	75044018	75048837	Ly6c1	**2.6398**	18456
chr4	132221025	132261549	Gmeb1	**2.6374**	73768
chr4	152120876	152152207	Espn	**2.63662**	34391
chr5	122550204	122614518	Ift81	**2.6349**	33036
chr11	83572917	83578636	Ccl9	**2.63267**	33657
chr7	55978484	56019573	Nipa1	**2.63266**	15799
chr11	75830992	75925891	Rph3al	**2.63239**	38453
chr11	110399122	110513637	Map2k6	**2.63228**	23091
chr3	92407991	92409271	Sprr2i	**2.63126**	6900
chr3	103859795	103912252	Ptpn22	**2.63035**	32241
chr17	55938373	55945259	Zfp119b	**2.62984**	21203
chr13	93304495	93405129	Homer1	**2.62824**	57315
chr11	117867949	117873526	Tha1	**2.62499**	20528

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chr18	43320979	43438286	Dpysl3	**2.62416**	67799
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chr16	56075409	56190011	Senp7	**2.62257**	58930
chr5	138194314	138195621	Mblac1	**2.62198**	14576
chr4	149468787	149485142	Nmnat1	**2.6185**	10617
chr3	101855771	101924453	Slc22a15	**2.61844**	73872
chr11	68209364	68386826	Ntn1	**2.61822**	63851
chr9	40297907	40455764	Gramd1b	**2.6179**	30019
chr17	55892093	55898930	Zfp959	**2.61688**	22878
chr19	27217020	27254231	Vldlr	**2.61445**	92316
chr2	164656046	164657368	Wfdc10	**2.61431**	5100
chr10	13553143	13563376	Adat2	**2.61388**	13520
chr13	12471209	12520450	Edaradd	**2.61053**	89903
chr12	100300909	100520822	Ttc7b	**2.60954**	36633
chr16	4711318	4719356	Nmral1	**2.60792**	19009
chr5	33843112	33897966	Whsc1	**2.60698**	141779
chr11	103171138	103198900	Fmnl1	**2.6067**	42908
chr4	86581285	86612022	Haus6	**2.60415**	40896
chr13	63304709	63431745	Fancc	**2.60339**	46671
chr11	11800288	11808962	Fignl1	**2.60272**	32898
chr6	31220351	31337394	2210408F21Rik	**2.60212**	11192
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chr11	59155369	59163745	Iba57	**2.60043**	50475
chr5	3344312	3522225	Cdk6	**2.59969**	27291
chr11	99798186	99804287	Gm11554	**2.59895**	6992
chr11	72777232	72795839	Cyb5d2	**2.59767**	26232
chr16	23609919	23614222	Rtp4	**2.59624**	17357
chr19	6914196	6914286	Mir6990	**2.59592**	1004
chr1	36538173	36547201	Ankrd39	**2.59528**	19700
chr4	41657498	41697091	Cntfr	**2.59221**	24976
chr17	33239507	33255145	Zfp955a	**2.58823**	41306
chr2	120860276	120970715	Ubr1	**2.58495**	81881
chrX	164070703	164076049	Siah1b	**2.58212**	18799
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chr5	32863721	32994233	Depdc5	**2.57925**	92586
chr12	100779123	100872610	9030617O03Rik	**2.57724**	35369
chr12	31640055	31654826	Dus4l	**2.573**	19334
chr19	41845976	41848132	Frat2	**2.57268**	23585
chr1	84906705	84935083	Slc16a14	**2.57184**	25676
chr4	111720010	111829140	Spata6	**2.57137**	26644
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chr19	4878668	4885397	Zdhhc24	**2.57035**	25541
chr14	79334507	79390668	Naa16	**2.57025**	42330
chr2	152337425	152344060	Trib3	**2.5697**	22400
chr9	21800180	21852635	Dock6	**2.56887**	71622

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chr11	116105750	116110235	Trim47	**2.56541**	23900
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chr13	67440431	67451624	Zfp874a	**2.55977**	35249
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chr6	47955817	47965299	Zfp956	**2.55746**	27902
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chr12	104929933	105009809	Syne3	**2.55492**	60244
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chr6	88842558	88874044	Podxl2	**2.47976**	15577
chr9	22475715	22888280	Bbs9	**2.47826**	36212
chr16	36041190	36042974	Wdr5b	**2.4781**	18800
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chr14	54875597	54877538	Ppp1r3e	**2.46684**	19417
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chr1	191537365	191575534	Dtl	**2.44365**	43641
chr4	12089370	12096271	Rbm12b2	**2.44312**	35574
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chr3	87922601	87930195	Rrnad1	**2.43842**	25826
chr2	156196647	156309953	Phf20	**2.43603**	59356
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chr7	78192114	78577838	Ntrk3	**2.43029**	53401
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chr14	54906727	54913132	Slc22a17	**2.4097**	23494
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chr6	93675453	94283917	Magi1	**2.39062**	100080
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chr17	7945614	7979556	Rsph3a	**2.38589**	19875
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chr18	73735038	73754479	Elac1	**2.3712**	50097
chr4	123233556	123249870	Heyl	**2.37095**	45668
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chr4	8690406	8868449	Chd7	**2.36971**	113869
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chr13	67490167	67500522	Zfp58	**2.36495**	23711
chr7	27179741	27181149	Mia	**2.36491**	5699
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chr7	66109515	66173798	Chsy1	**2.35322**	41766
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chr17	37480851	37483529	H2-M2	**2.33301**	15151
chr11	60740059	60777365	Top3a	**2.33212**	37070
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chr19	15955773	15984989	Cep78	**2.32925**	25234
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chr10	127749602	127751798	Gpr182	**2.32746**	16757
chr6	119902698	119922823	Rad52	**2.32697**	16793
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chr11	106789252	106818861	Cep95	**2.32492**	26946
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chr3	145987870	146021720	Syde2	**2.32106**	54207
chr3	88082051	88121048	Iqgap3	**2.32071**	55984
chr16	33969073	34514027	Kalrn	**2.31645**	166580
chr17	32412461	32424167	Pglyrp2	**2.31109**	28259
chr2	6539699	7396198	Celf2	**2.31105**	92535
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chr1	181051237	181060667	9130409I23Rik	**2.31036**	18637
chr2	128126038	128162547	Bcl2l11	**2.30912**	68394
chr12	8974001	9028847	Wdr35	**2.30681**	43060
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chrX	48541626	48594452	Zfp280c	**2.30619**	40206
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chr15	75979872	75982285	Ccdc166	**2.30339**	22526
chr3	89869324	89913162	Il6ra	**2.30291**	32720
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chr7	12965864	12973822	Zfp324	**2.30032**	41932
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chr1	33761541	33814595	Zfp451	**2.29956**	55552
chr15	27655071	27681542	Fam105a	**2.29636**	29943
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chr11	102453297	102469883	Itga2b	**2.28613**	33395
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chr3	132684144	132838506	Tbck	**2.28489**	39893

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chr11	77515117	77520628	Abhd15	**2.27459**	31409
chr13	75645046	75645141	Mir682	**2.27445**	928
chr15	34495311	34530653	Pop1	**2.27389**	32791
chr7	19013283	19023539	Foxa3	**2.2728**	19696
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chr9	58488603	58499742	6030419C18Rik	**2.27247**	20659
chr2	91096797	91115756	Spi1	**2.26868**	12853
chr11	115912017	115913917	Smim6	**2.26842**	9400
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chr11	16971206	17008718	Plek	**2.26487**	39630
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chr9	60587235	60688134	Lrrc49	**2.26386**	29933
chr7	143665807	143685872	Tnfrsf23	**2.26286**	31574
chr7	126382854	126396737	Nfatc2ip	**2.26197**	32571
chr12	113156421	113165458	4930427A07Rik	**2.26157**	32248
chr4	136172394	136196056	E2f2	**2.26155**	45541
chr1	179528056	179546267	Tfb2m	**2.26051**	23519
chr17	35972539	35979825	Prr3	**2.25655**	21598
chr5	124598749	124627738	Tctn2	**2.25637**	26209
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chr3	29951296	30509487	Mecom	**2.24998**	52633
chr17	35170992	35176001	Aif1	**2.24747**	8358
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chr4	128930233	128962455	Azin2	**2.24246**	26705
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chr15	83866712	84065349	Efcab6	**2.23982**	48654
chr5	108694229	108706950	Fgfrl1	**2.23975**	25283
chr4	151059523	151861768	Camta1	**2.23964**	98795
chr14	11553553	12242039	Ptprg	**2.23867**	87439
chr17	6954965	6961156	Tagap1	**2.23803**	22429
chr12	31519819	31559969	Slc26a4	**2.23787**	29323
chr9	103208876	103230286	Trf	**2.23634**	22165
chr2	109092300	109278290	Mettl15	**2.23555**	17967
chr9	108053159	108055701	Amigo3	**2.23417**	24147
chr13	21513221	21531114	Zkscan8	**2.23401**	84494

chr6	112619851	112696670	Rad18	**2.23371**	25642
chr14	118875520	118923167	Dzip1	**2.2324**	42468
chr5	100846229	100899102	Agpat9	**2.23225**	27295
chr6	57580992	57665136	Herc6	**2.23205**	50079
chr17	32536629	32551797	Cyp4f16	**2.22953**	20534
chr2	114193461	114201432	Zfp770	**2.22875**	40381
chr2	178414534	178422161	Fam217b	**2.22869**	21445
chr2	13510161	13544664	Trdmt1	**2.22734**	24963
chr1	177022115	177248767	Akt3	**2.22661**	44809
chr16	8470813	8490197	Mettl22	**2.22619**	12423
chr5	24592622	24602002	Smarcd3	**2.22562**	16317
chr14	54583663	54605908	4931414P19Rik	**2.22472**	24442
chr10	120083608	120112965	Helb	**2.22288**	42816
chr9	66775487	66795423	Aph1b	**2.22192**	43043
chr16	90738324	90749776	Mrap	**2.221**	9364
chr9	120539818	120568326	Entpd3	**2.22065**	32580
chr16	11322904	11755473	Snx29	**2.22001**	26532
chr2	146241299	146512004	Ralgapa2	**2.21895**	90630
chr3	152236984	152266320	Nexn	**2.21734**	24163
chr5	143249695	143270022	Zfp316	**2.2173**	64958
chr7	33737193	33739295	Scgb2b24	**2.21535**	4736
chr17	32036162	32062862	Rrp1b	**2.21371**	47767
chr19	11321039	11336146	Ms4a7	**2.21302**	16140
chr14	99046377	99074107	Bora	**2.21261**	21563
chr11	78183059	78183113	Snord42b	**2.21171**	517
chr3	127670310	127780527	Alpk1	**2.21141**	45067
chr4	42953094	42958732	Dnajb5	**2.21042**	21692
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chr9	95861369	95951644	Atr	**2.20828**	74023
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chr17	32506462	32528894	Cyp4f17	**2.18777**	15742
chr17	24720789	24720905	Snora64	**2.18596**	1087
chr17	24215056	24220769	1600002H07Rik	**2.18566**	19907
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chr18	80606205	80713071	Nfatc1	**2.17644**	68756
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chr11	68985701	69008460	Pfas	**2.15373**	58226
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chr1	111858702	111864918	Dsel	**2.15115**	52689
chr19	47067748	47083470	Taf5	**2.15011**	29690
chr15	32244813	32696341	Sema5a	**2.1475**	98655
chr7	96210637	96908554	Tenm4	**2.14634**	96996
chr18	3266354	3337589	Crem	**2.14581**	38787
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chr4	41517437	41518929	Fam219aos	**2.14451**	6453
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chr11	82980303	82991830	Slfn9	**2.1431**	35122
chr7	6172513	6193104	Zfp444	**2.14285**	39444
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chr17	45506841	45520843	Aars2	**2.14127**	30478
chr3	96832674	96870926	Pdzk1	**2.14121**	21577
chr5	37338478	37425054	Evc2	**2.13928**	37378
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chr4	141010424	141015984	Mfap2	**2.13866**	10353
chr1	189640614	189688086	Cenpf	**2.1386**	101091
chr17	24753003	24758684	Hs3st6	**2.13823**	11087
chr2	32712900	32712972	Mir3960	**2.13693**	663
chr12	104028769	104044443	Serpina12	**2.13608**	33500
chr6	58933536	59024502	Fam13a	**2.13431**	38942
chr8	77663029	77724452	Ednra	**2.13425**	33045
chr17	32815453	32830261	Zfp799	**2.13417**	57543
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chr10	11149430	11215273	Shprh	**2.13395**	84247
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chr16	4480228	4523053	Srl	**2.13097**	45085
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chr16	15550986	15594518	Ube2v2	**2.12953**	53327
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chr12	12936093	12941836	Mycn	**2.1204**	23395
chr19	41274218	41385070	Pik3ap1	**2.11885**	23549
chr15	102536644	102625421	Atf7	**2.11817**	25693
chr3	107326110	107333289	Rbm15	**2.11795**	29435
chr5	138264053	138266661	6330418K02Rik	**2.11759**	3636
chr17	63045952	63500580	Fbxl17	**2.1164**	152806

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chr4	149715375	149738068	Tmem201	**2.10934**	56533
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chr19	18670780	18704792	2410127L17Rik	**2.10613**	18744
chr8	22227303	22261332	Thsd1	**2.10559**	39644
chr14	47240944	47276857	Wdhd1	**2.10496**	37342
chr1	74661754	74697973	Ttll4	**2.1031**	38015
chr4	21757382	21767211	Tstd3	**2.10162**	11710
chr7	127403668	127406822	Zfp764	**2.10136**	22399
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chr5	122239495	122264460	Tctn1	**2.09335**	24351
chr9	41013641	41157494	Ubash3b	**2.09169**	28830
chr19	45363734	45533343	Btrc	**2.09159**	56226
chr15	77940522	77956722	Foxred2	**2.09123**	43471
chr2	9914552	10048609	Taf3	**2.08992**	42680
chr11	5058128	5060374	Rasl10a	**2.08826**	9754
chr4	59314683	59438633	Susd1	**2.08796**	29240
chr19	8888387	8888698	5730408K05Rik	**2.08743**	2768
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chr3	135212563	135273540	Cenpe	**2.0835**	69185
chr17	59001401	59013322	Nudt12	**2.08219**	20177
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chr18	67321209	67344103	B430212C06Rik	**2.07714**	23156
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chr3	104864506	104930063	St7l	**2.07283**	50427
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chr7	119895861	119916756	Lyrm1	**2.07209**	13298
chr11	116062096	116077961	Unc13d	**2.07073**	34913
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chr5	36017181	36398139	Sorcs2	**2.06635**	50243
chr7	19282624	19296164	Rtn2	**2.06565**	18454
chr10	80808496	80813498	Jsrp1	**2.06446**	9792
chr17	69156810	69289987	Epb4-1l3	**2.06431**	35489
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chr9	107651155	107668968	Slc38a3	**2.06373**	23910
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chr11	106768204	106779537	Polg2	**2.06326**	13215
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chr4	84884309	85131921	Cntln	**2.05803**	60782

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chr14	75847923	75848034	Snora31	**2.05457**	978
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chr10	79664574	79668536	Madcam1	**2.05297**	12390
chr1	119658093	119837071	Ptpn4	**2.05194**	41041
chr6	18170687	18322769	Cftr	**2.05153**	54966
chr18	78750378	79109391	Setbp1	**2.05108**	86781
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chr7	12897809	12909083	Zscan22	**2.04715**	30513
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chr13	23583670	23621124	Hist1h2be	**2.04082**	21771
chr17	14947736	14948823	LOC106740	**2.04039**	9435
chr1	191045830	191062932	Tatdn3	**2.03872**	10727
chr2	33406108	33431324	Zbtb34	**2.03815**	57189
chr10	23785347	23785451	Snora33	**2.03692**	909
chr10	13090788	13131695	Plagl1	**2.03664**	45539
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chr8	105269801	105275845	Hsf4	**2.03491**	15161
chr15	101224207	101232756	Grasp	**2.03406**	17411
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chr9	21937010	21948907	Lppr2	**2.0325**	23816
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chr19	10570478	10577156	Tmem138	**2.02662**	15461
chr17	86167785	86657919	Prkce	**2.025**	53825
chr4	155260118	155361428	Prkcz	**2.02193**	39968
chr13	91707902	91741872	4833422C13Rik	**2.01885**	26599
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chr13	67617001	67637753	A530054K11Rik	**2.01605**	44376
chr9	43221278	43239816	Oaf	**2.01413**	20442
chr6	40325478	40396762	Agk	**2.01406**	19046
chr13	106947129	106960224	Dimt1	**2.01229**	21766

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chr15	58872649	58876781	Trmt12	**2.01079**	35321
chr2	152931898	152933208	Foxs1	**2.01009**	11200
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chr8	124722139	124734123	Arv1	**2.00954**	9950
chr8	57455923	57477585	Scrg1	**2.00902**	5977
chr2	32712807	32712888	Mir2861	**2.00855**	700
chr11	69823123	69834849	Nlgn2	**2.00808**	42690
chr2	4152863	4614043	Frmd4a	**2.00713**	63706
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chr15	79995876	80014808	Pdgfb	**2.00571**	25079
chr12	104406708	104414329	Serpina3n	**2.0044**	17762
chr8	11312829	11449287	Col4a2	**2.0043**	54740
chr6	18366477	18514825	Cttnbp2	**2.00405**	50517
chr19	40596446	40612215	Tctn3	**2.00388**	23208
chr4	20008428	20030785	Ttpa	**2.00361**	25998
chr2	37569868	37647285	Strbp	**2.00313**	139179
chr5	8422838	8454839	Slc25a40	**2.00301**	24160
chr5	25530018	25531466	1700096K18Rik	**2.00149**	12326
chr13	67389328	67399767	Zfp429	**1.99925**	17266
chr5	38200044	38220428	Zbtb49	**1.9992**	25363
chr9	8021672	8042823	9230110C19Rik	**1.99891**	13525
chr11	100694884	100704271	Dhx58	**1.99634**	20465
chr3	87971093	87980451	Nes	**1.9953**	51950
chr7	4992852	4996101	Zfp579	**1.99521**	18308
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chr15	66780819	66831829	Sla	**1.99503**	26582
chr17	3326573	3519255	Tiam2	**1.99479**	57829
chr1	91494668	91529307	Traf3ip1	**1.99369**	29657
chr3	7366604	7445365	Pkia	**1.99311**	31190
chr8	36094828	36147787	D8Ertd82e	**1.99291**	40487
chr10	30645582	30803107	Ncoa7	**1.99038**	45156
chr18	84207702	84589504	Zfp407	**1.98989**	66880
chrX	48623578	48662298	Slc25a14	**1.98986**	15781
chr4	154922210	154928077	Tnfrsf14	**1.9898**	7552
chr11	114996769	115001880	AF251705	**1.98931**	9630
chr16	17070139	17086555	Ypel1	**1.9882**	23863
chr8	111912018	111933791	Tmem231	**1.98736**	24385
chr10	5811887	5823943	Mtrf1l	**1.98428**	22104
chr14	32959547	33185066	Wdfy4	**1.98416**	81639
chr7	127390836	127393621	E430018J23Rik	**1.98064**	18208
chr12	85686720	85709087	Batf	**1.97834**	7601
chr10	58600788	58675696	Edar	**1.97808**	30938
chr12	87106866	87147902	Pomt2	**1.97574**	38484
chrX	20933395	20950608	Elk1	**1.97362**	29761

chr19	56874416	56912078	Vwa2	**1.97285**	32550
chr13	58402248	58411149	Rmi1	**1.97217**	31491
chr14	34237035	34310503	Fam35a	**1.97125**	28921
chr2	22774327	22875653	Apbb1ip	**1.97086**	21276
chr4	137468803	137570630	Hspg2	**1.96942**	118665
chr13	37345345	37419036	Ly86	**1.96939**	8345
chr2	113327736	113716767	Fmn1	**1.96837**	114185
chr1	192136898	192151025	Gm10516	**1.96761**	21843
chrX	157443954	157492046	Sms	**1.9673**	28236
chr11	100462612	100472782	Klhl11	**1.96546**	20349
chr1	160044380	160078586	4930523C07Rik	**1.96531**	40085
chr11	102905519	102925124	Kif18b	**1.96518**	27863
chr10	128232063	128252941	Timeless	**1.96402**	37688
chr7	99267447	99337137	Map6	**1.9635**	28632
chr6	3457089	3494498	Hepacam2	**1.96238**	18649
chr6	147032537	147033518	Rep15	**1.96209**	8189
chr4	153964449	153975081	Dffb	**1.96077**	17067
chr14	16430840	17082331	Rarb	**1.96019**	31458
chr7	28359604	28372662	Plekhg2	**1.95991**	43915
chr2	94406707	94411680	2810002D19Rik	**1.95883**	12338
chr4	19876838	19922566	Atp6v0d2	**1.95769**	20826
chr19	10718143	10738974	Cd5	**1.9552**	17193
chr16	93583461	93603815	Setd4	**1.9536**	15153
chr8	110217960	110224489	Cmtr2	**1.95354**	29699
chr15	103240454	103241079	Gm5643	**1.95093**	597
chr7	29304005	29317586	Dpf1	**1.94996**	18879
chr4	57845248	57896984	Akap2	**1.94838**	56881
chr7	122169893	122186216	Ern2	**1.94783**	24612
chr8	83434492	83458396	Scoc	**1.94728**	17231
chr8	83165352	83272940	Tbc1d9	**1.9468**	48387
chr17	56775897	56831008	Rfx2	**1.94658**	27740
chr2	69670120	69684239	Klhl41	**1.94655**	20997
chr5	104525735	104554211	D930016D06Rik	**1.94364**	31465
chr6	127577975	127629938	Cracr2a	**1.93994**	9020
chr7	41372930	41393260	AI987944	**1.93987**	23184
chr5	122731170	122779410	Camkk2	**1.93933**	40297
chr7	127510438	127512869	1700008J07Rik	**1.9389**	20041
chrX	134295225	134305969	Tmem35	**1.93824**	15800
chr12	3406495	3426747	1110002L01Rik	**1.9377**	5666
chr18	61696837	61707635	Pcyox1l	**1.93725**	16607
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chr12	75308313	75401455	Rhoj	**1.93449**	19387
chr5	97082329	97111596	Paqr3	**1.93364**	11300
chr18	35656689	35662186	Spata24	**1.93257**	7959
chr4	45799022	45804608	Aldh1b1	**1.93177**	18900
chr8	69135503	69140953	Lzts1	**1.93145**	14776
chr8	120736358	120756692	Irf8	**1.93124**	28178

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chr9	121981606	121996026	Pomgnt2	**1.93075**	21163
chr11	4091481	4095431	Mtfp1	**1.93051**	11454
chr15	60823992	60831400	9930014A18Rik	**1.9281**	31410
chr16	55966275	55971437	Rpl24	**1.9277**	5563
chr18	67800107	67885170	Cep192	**1.92757**	66301
chr4	43448260	43454626	Cd72	**1.926**	9741
chr3	107888850	107896213	4933431E20Rik	**1.92561**	35175
chr12	4211672	4234294	Cenpo	**1.92548**	24927
chr8	68356781	68735146	Csgalnact1	**1.92419**	34732
chr1	135836334	135852268	Tnnt2	**1.92384**	10237
chr16	35770386	35828462	Hspbap1	**1.92342**	37653
chr2	177828991	177840318	Gm14325	**1.92263**	35758
chr10	127677065	127701047	Tmem194	**1.91963**	48960
chr15	32240568	32244662	Snhg18	**1.91943**	12098
chr14	67676354	67715841	Cdca2	**1.91874**	32065
chr17	48346401	48352276	Trem2	**1.91597**	9332
chr7	31051678	31055656	Fxyd1	**1.91568**	5797
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chr3	28263214	28670585	Tnik	**1.91005**	57759
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chr7	24507087	24515682	Zfp428	**1.90723**	9946
chr5	143910001	143931756	Pms2	**1.90239**	26140
chr7	102083116	102083186	Trpc2	**1.90219**	574
chr15	11000721	11029233	Slc45a2	**1.90084**	24099
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chr19	10842544	10857828	Slc15a3	**1.8971**	18206
chr17	29318882	29328902	Pi16	**1.89698**	18100
chr7	30417712	30419854	Hcst	**1.89561**	3561
chrX	150571507	150588149	Apex2	**1.89541**	15185
chr9	64137144	64172931	Zwilch	**1.89216**	20346
chr8	45305802	45333196	Cyp4v3	**1.8917**	23557
chr11	83662584	83664683	Ccl4	**1.89086**	5304
chr4	120267078	120287261	Foxo6	**1.88993**	20306
chr17	33333728	33358878	Zfp81	**1.88794**	18078
chr7	118597297	118675085	Tmc5	**1.887**	34542
chr2	139678178	139758581	Ism1	**1.88643**	23772
chr2	18842256	18998121	Pip4k2a	**1.88501**	27808
chr8	79028437	79193766	Zfp827	**1.8836**	60874
chr10	77978650	77985438	1810043G02Rik	**1.88327**	13575
chr2	160770447	160872990	Zhx3	**1.88041**	35804
chr9	76014977	76136350	Hmgcll1	**1.87885**	28867
chr4	129608331	129614257	Dcdc2b	**1.8774**	6894

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chr7	140218267	140231145	Cd163l1	**1.87583**	27537
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chr10	30196009	30200540	Cenpw	**1.87483**	12048
chr17	35917889	35917969	Mir1894	**1.87359**	645
chr17	21383748	21399265	Zfp677	**1.87333**	23185
chrX	20425688	20519939	Jade3	**1.86981**	39663
chr9	99629595	99669256	Dzip1l	**1.86769**	31180
chr8	94472763	94527272	Nlrc5	**1.86679**	55102
chr10	67886105	67912662	Zfp365	**1.86672**	33774
chr12	70991615	71015823	3110056K07Rik	**1.86615**	12595
chr16	97791467	97851227	Prdm15	**1.86243**	50232
chr6	145808383	145817584	Rassf8	**1.86194**	13714
chr13	21831793	21832158	Hist1h4n	**1.86173**	2896
chr17	25794571	25797045	Metrn	**1.859**	10769
chr6	47835661	47868257	Zfp398	**1.85835**	27470
chr4	115784814	115812314	Atpaf1	**1.85736**	18393
chr1	169969409	169972306	3110045C21Rik	**1.85731**	8249
chr13	59449535	59557347	Agtpbp1	**1.85224**	47816
chr2	11705293	11733985	Il15ra	**1.85029**	15893
chr9	22071002	22086131	Gm16845	**1.84954**	9598
chr14	103650243	103704799	Slain1	**1.84843**	20300
chr1	97770179	97792971	Gin1	**1.84726**	16024
chr3	122729158	122859374	Pde5a	**1.84609**	52357
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chr10	69208552	69291784	Rhobtb1	**1.84333**	36226
chr2	180042483	180070201	Ss18l1	**1.84299**	34222
chr6	72368049	72380468	Vamp5	**1.84247**	12905
chr5	134600103	134615025	Lat2	**1.84206**	13090
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chr5	124061857	124095798	Abcb9	**1.84074**	26083
chr16	36792884	36874826	Eaf2	**1.84067**	16976
chr5	124118689	124249760	Pitpnm2	**1.84058**	57567
chr11	58199556	58207592	Igtp	**1.8402**	15822
chr4	54947945	55083563	Zfp462	**1.84009**	82085
chr5	130255619	130341567	Tyw1	**1.83955**	51804
chr9	78230669	78242683	Gsta1	**1.83913**	6730
chr3	115881579	115888130	A930005H10Rik	**1.83826**	10977
chr13	51408618	51422797	S1pr3	**1.83655**	35000
chr16	36403946	36408363	Stfa2	**1.83558**	3300
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chr5	47983155	48306282	Slit2	**1.83406**	66686
chr12	71136848	71243303	2700049A03Rik	**1.83384**	44917
chr15	75862339	75867404	Gsdmd	**1.83302**	13836
chr9	59734259	59750649	Senp8	**1.83264**	30260
chr10	127321964	127329881	Arhgap9	**1.8324**	18800
chr12	116207050	116263025	Wdr60	**1.83146**	28995

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chr9	53437122	53536671	Atm	**1.82828**	92965
chr2	152411956	152415044	Zcchc3	**1.82792**	23998
chr13	112660766	112738752	Slc38a9	**1.82784**	69241
chr1	165648945	165708094	Rcsd1	**1.82626**	20724
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chr9	15316998	15357788	5830418K08Rik	**1.82328**	56468
chr19	11067471	11081103	Ms4a8a	**1.82294**	8383
chr10	22645011	22703876	Slc2a12	**1.82188**	29099
chr2	158353700	158361509	9430008C03Rik	**1.82153**	24456
chr14	57582271	57664956	Xpo4	**1.82137**	26753
chr19	5474690	5481854	Efemp2	**1.82099**	14256
chr17	29695977	29717017	Ccdc167	**1.82075**	40108
chr1	127954179	128103047	Zranb3	**1.81878**	33270
chr4	46344194	46345309	Foxe1	**1.818**	8623
chr13	45549756	45964991	Atxn1	**1.81642**	81886
chr7	58658202	58829426	Atp10a	**1.81527**	42194
chr9	37603294	37613720	Spa17	**1.8141**	5320
chr10	76761854	76961947	Pcbp3	**1.81296**	16759
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chr15	74721234	74724373	Them6	**1.81178**	11458
chr10	53537324	53630439	Mcm9	**1.81135**	29816
chr4	45018609	45034247	Polr1e	**1.81105**	28164
chr7	127296260	127335137	Itgal	**1.81071**	40187
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chr1	20777146	20784270	Il17f	**1.8098**	9061
chr2	158306493	158332852	Lbp	**1.80971**	19421
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chr5	140663505	140702378	Iqce	**1.80673**	33472
chr5	108660331	108685446	Idua	**1.80667**	33586
chr18	61639653	61647503	Gm20748	**1.80628**	4752
chr1	33719896	33742564	Rab23	**1.80569**	34435
chr15	78480549	78495066	Il2rb	**1.80437**	20675
chr1	134962565	134974179	Ube2t	**1.80428**	7331
chrX	162779091	162829454	Txlng	**1.80419**	42266
chr6	126923419	126939555	Rad51ap1	**1.80357**	14066
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chr13	21735096	21735407	Hist1h4j	**1.80086**	2388
chr13	94356749	94358923	Gm9776	**1.80084**	16647
chr1	153503016	153549714	Npl	**1.79963**	10731

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chr4	34024872	34050065	Spaca1	**1.7984**	10288
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chr10	76545871	76562226	4930483K19Rik	**1.79707**	8012
chr11	69299496	69323873	Cntrob	**1.79492**	30133
chr8	94533028	94570529	Cpne2	**1.79491**	17561
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chr13	94057796	94195409	Lhfpl2	**1.79063**	33090
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chr12	86056743	86079041	Tgfb3	**1.78638**	25700
chr6	119175253	119221614	Dcp1b	**1.78608**	25134
chr10	75948312	75949646	Vpreb3	**1.7842**	4565
chr7	48959073	49610088	Nav2	**1.78371**	91472
chr3	88532395	88541394	Mex3a	**1.7833**	43156
chr1	132356315	132391281	Tmcc2	**1.78294**	25840
chr10	128296140	128298084	Il23a	**1.78292**	10298
chr2	80638812	80660071	Nup35	**1.78247**	21765
chr8	22787354	22805654	Ap3m2	**1.78044**	26235
chr14	63492347	63509092	Tdh	**1.78011**	14231
chr10	127070481	127071101	LOC100504703	**1.78003**	2489
chr14	57806561	57826163	Ska3	**1.77996**	17097
chr11	103774175	103818021	Wnt3	**1.77943**	23558
chr16	44347401	44388492	Spice1	**1.77864**	32823
chr6	123262107	123275268	Clec4d	**1.77769**	10094
chr7	45335269	45338972	Hrc	**1.77744**	18357
chr6	117933559	117937335	Fxyd4	**1.77485**	4179
chr7	16175325	16186503	Meis3	**1.77447**	13839
chr5	139380667	139396414	Gpr146	**1.77196**	31796
chr6	115134902	115282626	Syn2	**1.77141**	42537
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chr17	25188400	25234317	Unkl	**1.76733**	36768
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chr17	45555716	45563168	Nfkbie	**1.76286**	18139
chr18	44828665	44889720	Ythdc2	**1.76072**	47137
chr8	105703652	105708168	Enkd1	**1.75941**	9549
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chr9	99612502	99622367	A4gnt	**1.75591**	20575
chr3	36151080	36170341	D3Ertd254e	**1.7542**	49393
chr7	64346758	64374095	Fan1	**1.75399**	25905
chr6	83512909	83536251	Actg2	**1.75348**	9800
chr6	115583547	115592576	Mkrn2os	**1.7534**	18921

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chrX	74272492	74272620	Snora70	**1.74733**	958
chr5	149678257	149762599	B3glct	**1.74682**	33728
chr2	156995062	157007075	Dsn1	**1.74513**	16933
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chr4	129425765	129440818	Zbtb8b	**1.74341**	24363
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chr15	100614140	100615110	C330013E15Rik	**1.74027**	6494
chr8	122443656	122446476	9330133O14Rik	**1.7399**	18095
chr17	36881598	36890125	Trim40	**1.73901**	16238
chr11	35121456	35708507	Slit3	**1.73866**	36918
chr16	49699294	49765126	Ift57	**1.73835**	18766
chr15	53461801	53902436	Samd12	**1.7377**	6898
chr4	156034837	156050817	Ttll10	**1.73707**	17032
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chr4	148006484	148038767	Clcn6	**1.73224**	21424
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chr10	110941780	111010066	Zdhhc17	**1.73191**	33477
chr4	34949074	35157484	Mob3b	**1.73145**	44374
chr19	29047483	29048729	1700018L02Rik	**1.73142**	7528
chr6	135197987	135236240	8430419L09Rik	**1.73103**	30966
chr13	38345716	38499728	Bmp6	**1.73039**	17724
chr19	57452906	57491005	Trub1	**1.72965**	47011
chr19	46761609	46878580	Cnnm2	**1.72961**	24479
chr1	193104403	193130251	Diexf	**1.72925**	40775
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chr10	82985497	83195891	Chst11	**1.72652**	40498
chr15	74669081	74672570	Arc	**1.72585**	22438
chr13	67173182	67183498	Rsl1	**1.7241**	14985
chr17	24639282	24650305	Slc9a3r2	**1.72405**	16538
chr1	178529125	178932857	Kif26b	**1.72285**	54229
chr3	151798610	151837528	Ptgfr	**1.72186**	32302
chr15	101754259	101763504	Krt74	**1.72179**	11628
chr19	46707443	46741095	As3mt	**1.72173**	12813
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chr15	100641082	100669500	Bin2	**1.71993**	14459
chr2	105536080	105670330	Pax6os1	**1.71821**	10691
chr8	105605229	105622218	Fam65a	**1.71818**	29962
chr9	78175914	78178882	C920006O11Rik	**1.71726**	10561
chr2	32777828	32784405	1700019L03Rik	**1.71496**	10904
chr11	73304988	73324637	Aspa	**1.71452**	11200
chr5	137865829	137871758	Pilrb2	**1.71394**	13163
chr12	15791727	15816785	Trib2	**1.71366**	30575

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chr3	89183225	89189289	Fam189b	**1.70993**	22231
chr17	53674787	53689315	Sgol1	**1.70752**	26191
chr10	63382443	63408840	Dnajc12	**1.70648**	9900
chr6	83671207	83677857	Cd207	**1.70391**	11080
chr3	142560052	142573212	Gbp3	**1.7018**	21496
chr18	67617397	67641336	Cep76	**1.70177**	28779
chr4	45034280	45084604	Fbxo10	**1.70106**	33271
chr9	64235201	64236362	Uchl4	**1.70088**	8400
chr15	31441210	31453689	Ropn1l	**1.6995**	6573
chr3	146852367	146982750	Ttll7	**1.69918**	43872
chr7	30434980	30445582	Aplp1	**1.69875**	17270
chr9	86307234	86464916	Ube2cbp	**1.69863**	13197
chr1	144244669	144249104	Rgs1	**1.69832**	9600
chrX	48411049	48463132	Elf4	**1.69724**	42177
chr7	90124836	90129936	2310010J17Rik	**1.69687**	3880
chr9	62122518	62122594	Mir5133	**1.69591**	555
chr2	66184327	66256617	Ttc21b	**1.69586**	32218
chr10	3973075	4167081	Mthfd1l	**1.69579**	31222
chrX	151047170	151086981	Fgd1	**1.69531**	21169
chr11	58214977	58222783	Irgm2	**1.69389**	25298
chr17	71019557	71126856	Myom1	**1.69053**	40329
chr9	44452715	44454767	Upk2	**1.69009**	6278
chr5	103605711	103629403	Slc10a6	**1.69**	15256
chr18	67088298	67226782	Gnal	**1.68994**	40940
chr8	105329160	105347970	Fhod1	**1.68903**	28341
chr18	31437808	31447415	Syt4	**1.68839**	27993
chr2	127800200	127831859	Bub1	**1.68838**	31100
chr4	106651069	106655282	Pars2	**1.68731**	22066
chr5	43868827	43912374	Cd38	**1.68724**	21477
chr11	97627387	97629716	E130012A19Rik	**1.6864**	16700
chr1	135799421	135810989	Tnni1	**1.68609**	7983
chr5	124834432	124862221	Ccdc92	**1.68487**	16155
chr7	105558465	105581653	Apbb1	**1.68149**	22683
chr11	3983636	3999328	Gal3st1	**1.68145**	14600
chrX	73234076	73243130	Xlr4c	**1.67953**	8730
chr7	30973804	30989725	Fam187b	**1.67676**	18999
chr16	50726751	50732773	5330426P16Rik	**1.67648**	12120
chr3	89391864	89398779	Gm15417	**1.67643**	11172
chr8	125669818	125673365	Map10	**1.67507**	25259
chr4	154170713	154275721	Megf6	**1.67429**	48929
chr5	142871789	142895238	Fbxl18	**1.67411**	20143
chr16	22381313	22439570	Etv5	**1.6733**	27181
chr13	67667441	67683512	Zfp738	**1.66828**	31935
chr6	87458545	87533259	Arhgap25	**1.6665**	30194

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chr7	24291046	24299549	Zfp61	**1.66556**	16614
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chr1	172475360	172478409	Slamf9	**1.66448**	8100
chr1	136624901	136630391	Zfp281	**1.66343**	37293
chr4	45184906	45285936	Frmpd1	**1.6631**	34013
chr2	136892263	137068393	Slx4ip	**1.66155**	10974
chr10	84917613	85018337	Ric8b	**1.66148**	35039
chr5	112910478	113015538	Adrbk2	**1.66138**	46603
chr11	97923237	97986446	Plxdc1	**1.6607**	20504
chr1	164796732	164824266	Dpt	**1.66068**	11547
chr10	39732160	39875205	Rev3l	**1.66067**	75274
chr11	58948911	58949372	Hist3h2ba	**1.66026**	3260
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chr4	43507026	43513725	Car9	**1.65782**	13803
chr16	14194527	14291408	Myh11	**1.65723**	46712
chr9	20868642	20874307	A230050P20Rik	**1.65713**	9994
chr13	96416134	96471160	Ankdd1b	**1.65624**	23335
chr4	12906837	12981485	Triqk	**1.65517**	10559
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chr6	55336299	55348555	Aqp1	**1.65383**	19400
chr7	127132232	127137823	Spn	**1.65333**	32991
chr9	96943482	97018355	Spsb4	**1.65239**	15675
chr4	96568429	96591485	Cyp2j9	**1.65149**	13645
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chr6	61180325	62382863	Ccser1	**1.64895**	39260
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chr16	75858794	75909266	Samsn1	**1.64497**	12899
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chr16	90751527	90810413	Urb1	**1.63836**	51284
chr3	79629079	79632819	4930579G24Rik	**1.63698**	13699
chr7	44303766	44306959	Clec11a	**1.63691**	13608
chr5	134184038	134218143	Gtf2ird2	**1.63589**	24112
chr1	88258856	88277220	Hjurp	**1.63499**	12786
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chr3	137623672	137628332	Ddit4l	**1.63413**	18898
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chr14	99099424	99254494	Pibf1	**1.63269**	20512
chr19	10245265	10304877	Dagla	**1.63215**	39082
chr6	148921059	148946432	Fam60a	**1.63176**	18295

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chr13	63300484	63300557	Mir23b	**1.63112**	513
chr4	115299046	115332815	Cyp4a12a	**1.62797**	16758
chr6	123281789	123289871	Clec4e	**1.62525**	17400
chr7	30565427	30567962	Igflr1	**1.62301**	8181
chr4	41495601	41503075	AI464131	**1.62165**	28775
chr14	48120869	48260883	Peli2	**1.62107**	40298
chr17	35251379	35251405	Mir8094	**1.62087**	186
chr8	84815405	84832265	Dand5	**1.62069**	11572
chr17	75005529	75392967	Ltbp1	**1.62067**	56048
chr2	92382918	92383603	1700029I15Rik	**1.62051**	2507
chr2	60251993	60284484	Cd302	**1.61895**	9289
chr17	35113946	35115400	Ly6g5b	**1.61844**	7250
chr8	47180048	47352348	Stox2	**1.61658**	74471
chr3	79885930	79946278	Fam198b	**1.61542**	45499
chr5	151037515	151190193	Stard13	**1.61363**	38666
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chr1	87574027	87597840	Neu2	**1.60926**	13768
chr13	67471513	67484253	Zfp874b	**1.60722**	25766
chr5	37299171	37336881	Evc	**1.60647**	29441
chr17	47630690	47684067	Usp49	**1.60616**	38098
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chr19	17326141	17372844	Gcnt1	**1.60298**	32177
chr11	95842668	95845731	Gngt2	**1.60114**	4886
chr2	128967402	129018563	Zc3h6	**1.60021**	33434
chr1	120226416	120271082	Steap3	**1.59962**	21599
chr7	127091436	127094049	AI467606	**1.59831**	13029
chr1	131797395	131818115	Pm20d1	**1.5975**	24035
chr4	8141493	8239041	Car8	**1.59685**	38834
chr2	30078766	30090943	Pkn3	**1.5946**	19349
chr5	138441476	138460694	Zfp157	**1.59427**	35939
chr12	87166242	87200229	Tmed8	**1.59399**	48635
chr19	11586606	11604804	Ms4a6d	**1.59278**	9281
chr8	85109167	85123095	Zfp791	**1.59162**	15775
chr2	180257536	180257611	Mir3091	**1.59129**	514
chr7	28437447	28446895	Gmfg	**1.59111**	7513
chr13	75869537	75943824	Rhobtb3	**1.59111**	33386
chr13	100669481	100697024	Ccdc125	**1.59039**	16824
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chr17	84190056	84466208	Thada	**1.58968**	53348
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chr7	98494222	98501830	Lrrc32	**1.58893**	25770
chr19	5651185	5663707	Sipa1	**1.58831**	26111
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chr14	77904239	78002656	Epsti1	**1.5847**	12588
chr4	57908384	57916264	D630039A03Rik	**1.58429**	19500
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chr2	143826528	143863173	Bfsp1	**1.58303**	15959
chr8	120608602	120634382	1190005I06Rik	**1.58162**	4934
chr5	76875935	76905514	Aasdh	**1.58109**	24823
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chr8	71882068	71892565	Zfp709	**1.57883**	26673
chr6	91013067	91116826	Nup210	**1.57758**	47169
chr12	3365132	3403882	Kif3c	**1.57749**	28407
chr10	33083483	33476709	Trdn	**1.57514**	30219
chr4	150920155	150946102	Tnfrsf9	**1.57445**	14862
chr16	96200470	96228933	Sh3bgr	**1.57434**	8839
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chr4	32417435	32586108	Bach2	**1.57222**	54105
chr15	98771752	98778150	Wnt10b	**1.57168**	14876
chr12	44328885	44601846	Nrcam	**1.57122**	50625
chrX	133936385	133981812	Sytl4	**1.57081**	33641
chr4	120161424	120167360	Edn2	**1.56985**	8300
chr9	64175432	64175522	Snord16a	**1.56945**	607
chr3	88777057	88829371	5830417I10Rik	**1.56719**	62391
chr5	143329308	143332704	0610040B10Rik	**1.56466**	2926
chr15	9506159	9529876	Il7r	**1.56426**	21341
chr8	65085615	65129537	BC030870	**1.56381**	9830
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chr19	6164458	6172475	Batf2	**1.5576**	9076
chr10	115450314	115587780	Lgr5	**1.55751**	31185
chr11	89037582	89060748	Dgke	**1.55481**	34415
chr17	35394099	35395630	H2-Q5	**1.55358**	7798
chr8	111311800	111337903	Mlkl	**1.55273**	11232
chr11	117782297	117793137	Tmc8	**1.55151**	19136
chr7	19302696	19310045	Fosb	**1.55137**	24897
chr2	167065293	167065358	Snord12	**1.55076**	435
chr1	93512104	93620644	Farp2	**1.55011**	20812
chr8	106415339	106425889	Zfp90	**1.54931**	17331
chr7	27838584	27856774	Zfp59	**1.54834**	24980
chr7	141210056	141214080	Lmntd2	**1.54788**	13381
chr2	69380462	69403086	Dhrs9	**1.54645**	18515
chr19	3259076	3283010	Ighmbp2	**1.54409**	36501
chr9	74110334	74283203	Wdr72	**1.54389**	34239
chr7	125444620	125462268	Kdm8	**1.54333**	16031
chr15	101884351	101892920	Krt76	**1.54301**	15162
chr11	69784036	69795937	Chrnb1	**1.54191**	14083
chr15	85037062	85062830	Fam118a	**1.54134**	16672
chr6	134869092	134897925	Gpr19	**1.54057**	15747
chr14	51056698	51057242	Rnase12	**1.54038**	3568

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chr3	92014583	92031584	Pglyrp3	**1.53711**	7245
chr9	88723288	88731850	Bcl2a1d	**1.53706**	5200
chr17	24549950	24595815	Pkd1	**1.53666**	87979
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chr7	30539134	30552272	Proser3	**1.53491**	16087
chr13	91853387	91876885	Ckmt2	**1.53475**	9693
chr15	76626237	76639929	Tonsl	**1.53449**	27437
chr16	58470541	58523312	St3gal6	**1.53417**	10387
chr5	146845071	146847726	Rasl11a	**1.53397**	7341
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chr7	29908517	29916813	Zfp383	**1.52991**	17036
chr12	65132735	65172580	Mis18bp1	**1.52978**	26111
chr19	40831279	40848570	Ccnj	**1.52866**	24799
chr14	67751928	67933572	Dock5	**1.52824**	67128
chr5	90786101	90788093	Cxcl3	**1.5266**	6605
chr15	103453825	103498800	Nckap1l	**1.52546**	30582
chr12	85824950	86053760	Ttll5	**1.52541**	31385
chr8	4257646	4259274	Ctxn1	**1.52477**	7945
chr7	114550163	114562972	Cyp2r1	**1.52316**	10552
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chr8	116921740	116941503	Cenpn	**1.52205**	11437
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chr13	113093827	113100981	Gzma	**1.51785**	5664
chr1	57985340	58026277	Sgol2	**1.51521**	34878
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chr6	54039932	54301812	Chn2	**1.51287**	18338
chr15	78244811	78262580	Ncf4	**1.51287**	9349
chr2	152393612	152398046	Sox12	**1.512**	28500
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chr8	121950492	122029260	Banp	**1.5111**	35310
chr7	19094544	19098345	Six5	**1.51003**	18310
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chr1	182764906	182895654	Susd4	**1.50827**	13045
chr11	115307163	115332303	Otop2	**1.50826**	14968
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chr7	27176006	27176093	Mir3101	**1.49996**	561
chr3	79813153	79842662	Tmem144	**1.4997**	14609
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chr5	137787802	137819576	Zcwpw1	**1.49751**	11138
chr7	41478874	41499890	AW146154	**1.49733**	21707
chr17	56119678	56121946	Lrg1	**1.49555**	8600
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chr12	36381450	36689503	Ispd	**1.49524**	18906
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chr6	129014112	129020527	Clec2f	**1.49087**	4163
chr16	4594713	4615957	Glis2	**1.48981**	22915
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chr15	54838679	54920146	Enpp2	**1.48763**	23343
chr7	45367949	45370564	Lin7b	**1.48753**	4160
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chr17	21879570	21909926	2210404O09Rik	**1.48641**	14031
chr9	36708482	36726658	Chek1	**1.48619**	21457
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chr13	92844787	92858230	Mtx3	**1.48282**	39546
chr11	68691915	68816624	Myh10	**1.48262**	49043
chr8	18595173	18803188	Mcph1	**1.48233**	29100
chr5	90772435	90773383	Pf4	**1.48215**	3704
chr7	81213804	81333622	Pde8a	**1.48145**	16893
chr7	66689889	66717256	Lins	**1.47802**	32841
chr15	87544299	87759364	Fam19a5	**1.4778**	19100
chr5	74195326	74199477	Rasl11b	**1.4776**	11103
chr4	155086577	155145507	Morn1	**1.47731**	10429
chr2	14995131	15054872	Nsun6	**1.4771**	29983
chr6	14901349	15441977	Foxp2	**1.47664**	44383
chr10	76459567	76468970	Ybey	**1.47632**	22877
chr11	115334734	115346926	Otop3	**1.47623**	15196
chr17	35897598	35910068	Atat1	**1.4756**	15572
chrX	59062146	59585572	Fgf13	**1.47529**	19682
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chrX	48146527	48161563	Sash3	**1.47173**	16163
chr14	56526761	56571846	Cenpj	**1.47153**	27287
chr2	120716154	120731517	Cdan1	**1.47107**	39914
chr17	46303272	46328023	Abcc10	**1.47061**	30095

chr13	67069398	67081545	Zfp708	**1.47031**	15310
chr13	63300712	63300784	Mir27b	**1.46974**	456
chr10	70204667	70219711	2310015B20Rik	**1.46962**	2767
chr9	44134658	44142726	Mcam	**1.46908**	18057
chr1	132506230	132508639	Tmem81	**1.46859**	10873
chrX	134717938	134721912	Armcx1	**1.46804**	15380
chr11	75769090	75796057	Doc2b	**1.4676**	26478
chr11	70764447	70772928	Zfp3	**1.46735**	11369
chr8	106683068	106851439	Tango6	**1.46675**	27485
chr17	46428942	46431771	Crip3	**1.46672**	6321
chr15	100479570	100495239	Csrnp2	**1.46545**	25698
chrX	73894429	73911298	Arhgap4	**1.46409**	20186
chr8	72319062	72321654	Klf2	**1.46407**	11300
chr9	75306288	75345923	Gnb5	**1.46382**	16468
chr2	75979106	75981967	Ttc30a1	**1.46336**	17800
chr15	102296293	102324356	Espl1	**1.46283**	41220
chr9	123962126	123968692	Ccr1	**1.46259**	17598
chr10	97565501	97572703	Lum	**1.46241**	12897
chr5	135072900	135078266	Vps37d	**1.4611**	9588
chr10	45335762	45369708	Bves	**1.46092**	9978
chr11	87853225	87863679	Mks1	**1.46067**	14682
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chr7	27195781	27205386	BC024978	**1.45987**	16374
chr1	87476829	87573870	Ngef	**1.45977**	20995
chr3	9427010	9610085	Zfp704	**1.45965**	85884
chr2	11172382	11301226	Prkcq	**1.45839**	20535
chr19	23687400	23721129	Ptar1	**1.45812**	12791
chr17	85090700	85458580	Camkmt	**1.45702**	8911
chrX	107397195	107403360	Itm2a	**1.45613**	10100
chr4	47015689	47057306	Anks6	**1.45551**	21973
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chr15	9111982	9155425	Skp2	**1.45539**	21099
chr1	131128441	131138234	Dyrk3	**1.4534**	12799
chr15	10486018	10499063	Rad1	**1.45267**	28882
chr2	29869494	29882840	Cercam	**1.45255**	16761
chr4	104913456	105016863	1700024P16Rik	**1.45224**	20109
chr10	7663585	7664623	A630066F11Rik	**1.45181**	6411
chr7	128265697	128271250	Slc5a2	**1.45158**	10235
chr5	129908540	129911281	Nupr1l	**1.45107**	3873
chr2	118388617	118475234	Eif2ak4	**1.45055**	32354
chr7	80232893	80241420	Gdpgp1	**1.45036**	21698
chr9	107950963	107972268	Traip	**1.44863**	16605
chr9	64811011	64919667	Dennd4a	**1.44769**	53253
chr2	110655201	110950244	Ano3	**1.44723**	36690
chr1	74565182	74588028	Zfp142	**1.44703**	43536
chr1	175682238	175688353	Chml	**1.44408**	37537
chr1	133910304	133921401	Prelp	**1.4436**	22100

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chr11	46193849	46312859	Cyfip2	**1.44195**	43077
chr7	27959800	27979157	Zfp780b	**1.4411**	33754
chr11	116124708	116131128	Trim65	**1.43904**	18654
chr7	4792965	4794547	Rpl28	**1.43877**	3033
chrX	147383478	147403832	Il13ra2	**1.437**	9381
chr14	103814615	103844476	Ednrb	**1.43674**	26593
chr7	89404366	89410110	Fzd4	**1.43586**	22488
chr15	78913919	78919517	Pdxp	**1.43454**	12200
chr18	35671105	35703144	Dnajc18	**1.43399**	31491
chr19	12798609	12833808	Lpxn	**1.43381**	10195
chr9	70031496	70038088	Gcnt3	**1.43345**	26203
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chr4	148152799	148160094	Fbxo44	**1.43241**	13089
chr9	56618475	56685253	Lingo1	**1.43086**	20038
chr3	95124514	95129208	Tmod4	**1.43031**	7544
chr15	55557408	55626423	Mtbp	**1.4287**	27027
chr7	28267881	28269168	Eid2	**1.42817**	7818
chr15	54250619	54278484	Tnfrsf11b	**1.42767**	17099
chr13	104228845	104249622	Cenpk	**1.42711**	11876
chr11	46235557	46239871	Fndc9	**1.4268**	13723
chr17	71557027	71598761	Trmt61b	**1.42598**	16303
chr12	64917911	64924591	Gm527	**1.42572**	8865
chr7	51860577	51862267	Fancf	**1.4255**	10245
chr16	13903161	13949619	Mpv17l	**1.42499**	21603
chr4	24496462	24602948	Mms22l	**1.42385**	27020
chr15	5097439	5108533	Card6	**1.42294**	27402
chr15	8634124	8710807	Slc1a3	**1.42202**	25420
chr17	33810523	33822914	Kank3	**1.42137**	15912
chr15	57912199	57970068	Tbc1d31	**1.41866**	25360
chr11	117828079	117839908	Afmid	**1.41823**	13526
chr6	115954811	115995005	Plxnd1	**1.41813**	41630
chr15	94522640	94543507	Pus7l	**1.41784**	17162
chr9	22055460	22071345	Zfp653	**1.41763**	12002
chr5	134656039	134688590	Limk1	**1.41732**	20017
chr3	108202228	108210527	Atxn7l2	**1.41665**	15841
chr8	46575594	46617200	Primpol	**1.41664**	16425
chr6	13871569	13896421	1110019D14Rik	**1.41644**	9018
chr1	136131401	136178014	Kif21b	**1.41578**	54871
chr13	47012557	47014850	Nhlrc1	**1.41542**	13800
chr5	120847367	120857986	Oas1f	**1.41491**	8900
chr2	152911352	152923065	Mylk2	**1.41356**	17711
chr6	136697284	136781742	Gucy2c	**1.41017**	23590
chr6	117168535	117181368	Cxcl12	**1.40899**	33954
chr13	64248700	64268145	1810034E14Rik	**1.40768**	10781
chr1	60102627	60153953	Carf	**1.40646**	34198
chr5	37820491	37824585	Msx1	**1.40639**	4746

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chr7	3154659	3169203	AU018091	**1.40552**	20597
chr17	29135056	29148976	Rab44	**1.40536**	24519
chr14	75842918	75844964	Gm4285	**1.40499**	8139
chr4	138775735	138782143	Pla2g2d	**1.403**	13500
chr1	36264602	36273425	Neurl3	**1.40262**	15398
chr3	106201491	106219479	Chil4	**1.40207**	8998
chr9	59966931	60511035	Thsd4	**1.40172**	53796
chr2	109280738	109341746	Kif18a	**1.39957**	20034
chr9	83391355	83441127	Lca5	**1.39913**	28436
chr10	80179482	80190010	Efna2	**1.3987**	12668
chr12	116485720	117278167	Ptprn2	**1.39863**	27867
chr4	126556980	126593903	Clspn	**1.39836**	29609
chr15	59788417	59794959	Gm19510	**1.39769**	11055
chr10	75550125	75560330	Lrrc75b	**1.39608**	27300
chr19	45792346	45816063	Kcnip2	**1.3935**	14753
chr16	45746231	45844378	Phldb2	**1.39333**	33624
chrX	20703909	20720539	Usp11	**1.39332**	20513
chr5	5736322	5749317	Steap1	**1.39315**	7200
chr7	56239771	56536517	Oca2	**1.3922**	18461
chrX	82948870	85205050	Dmd	**1.39213**	81958
chr11	102057017	102088515	Mpp2	**1.39083**	24159
chr4	101496648	101642799	Dnajc6	**1.39066**	33075
chr19	6925690	6934515	Kcnk4	**1.39003**	10250
chr5	121598281	121618938	Acad12	**1.38864**	14017
chr15	75616684	75625300	Zfp41	**1.38715**	22067
chr2	26637176	26640244	Snhg7	**1.38668**	4373
chr7	31162358	31170641	Gm10640	**1.38517**	6676
chr13	8952863	8960935	Idi2	**1.38466**	13200
chr10	82224856	82241275	Zfp938	**1.3845**	11951
chr13	23575763	23576266	Hist1h3d	**1.38372**	2964
chr7	29983955	30028282	Zfp568	**1.38182**	42185
chr14	69767472	69784411	Tnfrsf10b	**1.38123**	18662
chr7	45082914	45092213	Rcn3	**1.3808**	8527
chr9	45399709	45410278	Fxyd2	**1.38073**	5968
chr17	81026327	81065085	Thumpd2	**1.37991**	10885
chr11	43528749	43586999	Ccnjl	**1.3795**	15883
chr7	12803780	12818860	Zfp329	**1.37924**	46491
chr17	46500609	46546388	Cul9	**1.37924**	45981
chr2	130417684	130424641	Pced1a	**1.37851**	17096
chr1	192512828	192771219	Hhat	**1.37795**	16603
chr11	75348433	75405705	Smyd4	**1.37674**	20579
chr4	112613740	112652248	Skint2	**1.37635**	7470
chr2	23116544	23156024	Mastl	**1.37607**	27207
chr17	35016579	35026693	Vwa7	**1.3755**	22098
chr2	178023284	178035859	Etohi1	**1.37402**	19534
chr13	65278854	65297795	Zfp369	**1.37392**	16753

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chr3	138143538	138159820	Trmt10a	**1.37321**	22960
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chr17	24727829	24736149	Rpl3l	**1.3719**	9300
chr11	83525779	83530518	Ccl5	**1.3714**	3095
chr4	117096356	117114831	Ptch2	**1.37069**	20675
chr10	128933813	128958276	Itga7	**1.37056**	23370
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chr10	86685527	86689954	1810014B01Rik	**1.36888**	9425
chr4	152158867	152162469	Hes2	**1.36753**	15007
chr12	110807798	110840939	Mok	**1.36753**	9840
chr7	120659354	120670250	Pdzd9	**1.3674**	7712
chr14	76532812	76556889	Serp2	**1.36728**	5230
chr8	31818028	31918203	Nrg1	**1.3672**	12220
chr13	119488860	119610459	Gm7120	**1.36679**	5292
chr19	28262448	28680077	Glis3	**1.36668**	22752
chr1	92973119	92986391	Gpr35	**1.36418**	26079
chr16	58408535	58469745	Dcbld2	**1.3632**	37584
chr17	57105385	57107757	Tnfsf9	**1.36237**	7122
chr7	51879145	51994458	Gas2	**1.36196**	12370
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chr5	110274286	110286168	Pxmp2	**1.35931**	5887
chr1	172521130	172545870	Cfap45	**1.35904**	10524
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chr1	183086264	183221529	Disp1	**1.35625**	30020
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chr2	145242611	145641939	Slc24a3	**1.35438**	19698
chr4	130530131	130574036	Nkain1	**1.3541**	14687
chr8	67689082	67974574	Psd3	**1.35402**	67923
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chr5	3890581	3893933	Mterf1a	**1.35291**	7912
chr1	40681712	40768885	Slc9a2	**1.35245**	20078
chr7	24134163	24143241	Zfp235	**1.35222**	19839
chr6	54681624	54703855	Mturn	**1.35192**	30493
chr11	105292646	105351145	Mrc2	**1.35068**	33301
chr6	146805530	146833529	Arntl2	**1.34705**	15017
chr1	120121187	120188189	3110009E18Rik	**1.34691**	6234
chr17	32390661	32399429	Rasal3	**1.34691**	18038
chr3	116603462	116630986	Sass6	**1.34541**	22661
chr2	3513065	3526376	Cdnf	**1.34449**	17217
chr17	78508063	78627409	Vit	**1.344**	15537
chr18	44334074	44355722	Myot	**1.34382**	12605
chr5	115102922	115110268	Gm13826	**1.34361**	4300
chr4	134537892	134552166	Sepn1	**1.34357**	19672
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chr9	4309743	4331732	Kbtbd3	**1.33666**	13782

chr8	126298579	126395977	Slc35f3	**1.33581**	15800
chr2	25372035	25378213	Sapcd2	**1.3339**	19315
chr3	10331734	10335656	Slc10a5	**1.33322**	22229
chr4	116720955	116804002	Tesk2	**1.33243**	15777
chr4	119300010	119320523	Ppih	**1.33232**	14128
chr14	25696356	25701282	Ppifos	**1.33195**	9199
chr4	132310703	132310758	Snord99	**1.3319**	317
chr9	20345136	20385158	Zfp560	**1.33187**	26786
chr19	7417625	7425894	2700081O15Rik	**1.33149**	28176
chr2	153108468	153151441	Hck	**1.33142**	11838
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chr9	35560821	35570069	Hyls1	**1.32724**	9268
chr17	24878770	24882008	Igfals	**1.32624**	11899
chr13	50417877	50433769	Fbxw17	**1.32578**	10058
chrX	164980592	164997272	Fancb	**1.32576**	16656
chr7	44470347	44470411	Mir7052	**1.32485**	366
chr3	80843599	80913614	Glrb	**1.32335**	16755
chr9	89728249	89738475	Ankrd34c	**1.32294**	13916
chr17	47140942	47359458	Trerf1	**1.32189**	25192
chr19	44989344	45003395	Sema4g	**1.32145**	24167
chr17	21650611	21664966	3110052M02Rik	**1.32056**	24510
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chr16	38742259	38769054	B4galt4	**1.31991**	12981
chr19	46348201	46348988	2310034G01Rik	**1.31916**	4418
chr7	142575532	142578146	H19	**1.31904**	14189
chr1	107078193	107083480	Serpinb3d	**1.31814**	6521
chr5	113612355	113650390	Cmklr1	**1.31803**	15937
chrX	166170480	166190512	Gemin8	**1.31792**	10284
chrX	50892645	50942710	Frmd7	**1.31791**	26029
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chr4	43381982	43427019	Rusc2	**1.31669**	30258
chr16	3979106	4001678	Slx4	**1.31664**	32014
chr4	147868979	147870358	Fv1	**1.31642**	7721
chr8	123104975	123105043	Mir7079	**1.31625**	386
chr15	100575318	100586365	Pou6f1	**1.31499**	25569
chr1	93235897	93296448	Sned1	**1.31346**	24942
chr10	127525473	127534559	Nxph4	**1.31312**	9348
chr4	63414910	63495991	Whrn	**1.31187**	24566
chr2	125086271	125123660	Myef2	**1.31105**	15652
chr13	67339309	67360572	Zfp953	**1.31018**	25843
chr4	154316125	154636873	Prdm16	**1.30987**	47905
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chr12	81026808	81186414	Smoc1	**1.30876**	19446

chr10	19712587	19760053	Il20ra	**1.30772**	11605
chr5	21662903	21701345	Napepld	**1.30443**	20363
chr4	99765402	99829118	Itgb3bp	**1.30345**	15168
chrX	6168696	6172991	Nudt10	**1.30342**	9700
chr2	127575533	127584677	Zfp661	**1.30302**	16553
chr1	191063021	191084558	Nsl1	**1.30291**	16463
chr11	59248042	59290751	Wnt3a	**1.30217**	15225
chr1	88103257	88107799	Ugt1a6b	**1.3014**	5426
chr11	107028223	107030442	1810010H24Rik	**1.30104**	6077
chr7	4751792	4753094	Cox6b2	**1.30076**	3118
chr10	121034004	121100642	Wif1	**1.29986**	12386
chr3	100471536	100489192	Fam46c	**1.29982**	11209
chr14	14346495	14355490	Il3ra	**1.29965**	7700
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chr5	4803385	5380251	Cdk14	**1.29933**	27120
chr7	84689640	84776549	2610206C17Rik	**1.29854**	9476
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chr2	57998155	58039171	Galnt5	**1.29789**	17911
chr2	34943258	34961772	Traf1	**1.29768**	12823
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chr2	28447941	28455508	Ppp1r26	**1.29744**	30141
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chr19	41549639	41559781	Lcor	**1.29582**	25681
chr17	33555707	33607764	Myo1f	**1.29491**	21095
chr4	126322121	126325199	Tekt2	**1.29471**	8221
chr15	74796874	74799968	Ly6k	**1.29424**	4252
chr18	35650351	35655199	Prob1	**1.29343**	26656
chr4	147821777	147822202	Rps19-ps3	**1.29298**	2341
chr4	116819907	116821508	Hpdl	**1.29071**	8788
chr10	100488289	100572142	Cep290	**1.28865**	39598
chrX	8892353	8894964	B630019K06Rik	**1.28814**	14300
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chrX	21026184	21062038	Zfp182	**1.28672**	32506
chr10	127078907	127093170	Agap2	**1.28423**	30751
chr17	25719103	25727415	Chtf18	**1.2838**	16549
chr12	112760655	112768986	Pld4	**1.2835**	10790
chr17	94750100	94775129	2700099C18Rik	**1.28335**	6518
chr8	116568724	116732991	Cdyl2	**1.28304**	44099
chr13	12269427	12340732	Actn2	**1.28162**	16254
chr16	18127706	18152408	Rtn4r	**1.28065**	10200
chr10	121780991	122047315	Srgap1	**1.28038**	42560
chr18	37485021	37488290	Pcdhb17	**1.28027**	17793
chr1	64035671	64121389	Klf7	**1.27982**	7267
chr11	67798271	67816002	Dhrs7c	**1.27964**	6113

chr3	99141090	99220203	Wars2	**1.27918**	23856
chr6	8630527	8778484	Ica1	**1.27917**	11281
chrX	139821635	139871654	Morc4	**1.2761**	22280
chr19	10389090	10453181	Syt7	**1.2749**	37745
chr11	119355557	119381076	Slc26a11	**1.27451**	14582
chr5	113942219	113993757	Ssh1	**1.27362**	17181
chr6	91212764	91272540	Fbln2	**1.27146**	24193
chr4	123312650	123343252	Bmp8a	**1.27124**	12967
chr3	144730316	144760739	Clca1	**1.27112**	16326
chr9	20581328	20595193	Zfp846	**1.26961**	14866
chr11	106311341	106314529	Cd79b	**1.26953**	6464
chr1	166130460	166166510	Gpa33	**1.2693**	12370
chr14	70890107	70979840	Gfra2	**1.26902**	18807
chrX	9272784	9313245	Xk	**1.26882**	27195
chr7	5051532	5053723	Zfp580	**1.26761**	5937
chr9	124474346	124476862	Ppp2r3d	**1.26758**	13560
chr10	88518279	88605152	Mybpc1	**1.26752**	21446
chr5	28456840	28466983	Shh	**1.26671**	13723
chr4	108719649	108781904	3110021N24Rik	**1.26666**	9378
chr1	139454773	139494088	Aspm	**1.26647**	53105
chr7	46711998	46715676	Saa3	**1.26595**	2857
chr17	94759942	94834799	Gm1976	**1.26519**	9851
chr8	84911853	84937353	Mast1	**1.2651**	25056
chr8	123271205	123318576	Fanca	**1.26508**	20238
chr4	84272542	84675086	Bnc2	**1.26431**	34675
chr6	31366885	31398773	Mkln1os	**1.26382**	5178
chr8	70905974	70917529	Map1s	**1.26232**	17565
chr5	105519471	105608954	Lrrc8c	**1.26185**	15172
chr14	52261759	52279387	Rab2b	**1.26184**	14539
chr11	119143043	119228499	Tbc1d16	**1.26028**	37430
chr9	122805547	122836332	Tcaim	**1.25959**	16269
chr7	100227607	100278872	Pgm2l1	**1.2595**	46175
chr11	60920941	60931867	Map2k3os	**1.25945**	6782
chr6	145934147	145965225	Sspn	**1.25928**	23592
chr4	119814678	120135411	Hivep3	**1.25925**	48280
chr11	98464693	98546031	Ikzf3	**1.25917**	21931
chr12	85166639	85177313	Pgf	**1.25855**	8997
chr16	20331304	20426394	Abcc5	**1.25831**	33136
chr7	13258967	13278721	6330408A02Rik	**1.25764**	17270
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chr3	81036416	81214031	Pdgfc	**1.25576**	18744
chr17	22846697	22867134	Zfp945	**1.25572**	35320
chr9	82829806	82847688	Irak1bp1	**1.25524**	10099
chr17	40221777	40242258	Crisp3	**1.25515**	7399
chr14	103047012	103056573	Irg1	**1.25463**	13800
chr2	130390775	130397629	Cpxm1	**1.2537**	12900
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chr1	171388960	171410239	Arhgap30	**1.21482**	23167
chr13	55464267	55473155	Prr7	**1.21467**	7021
chr8	88626828	88636128	Snx20	**1.21352**	7396
chr11	59970614	60046489	Pemt	**1.21334**	6379
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chr11	100415694	100424840	Fkbp10	**1.21209**	13394
chr4	81278500	81442805	Mpdz	**1.21**	38647
chr11	120347350	120347413	Mir6935	**1.20953**	329
chr15	97744770	97767666	Rapgef3	**1.20915**	19703
chr14	34053470	34075999	Antxrl	**1.20848**	9543
chr13	21362820	21372302	Zscan12	**1.20765**	22676
chr5	65763521	65826784	N4bp2	**1.20575**	29369
chr11	16501638	16508484	Sec61g	**1.20574**	3992
chr9	119357381	119393797	Xylb	**1.20566**	20384
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chrX	94274574	94274637	Mir7673	**1.20217**	327
chr14	19872559	19977249	Gng2	**1.20172**	20491
chr1	171173264	171196268	Pcp4l1	**1.19945**	8029
chr8	69037708	69089222	Slc18a1	**1.19878**	15886
chr6	30653457	30693682	Cep41	**1.19851**	17217
chr4	116136728	116144616	Lurap1	**1.19705**	7260
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chr18	25169020	25467321	AW554918	**1.19671**	27216
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chr17	32879221	32891603	Zfp870	**1.19532**	26905
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chr15	102497647	102517004	Map3k12	**1.19386**	20078
chr4	32982998	33022180	Rragd	**1.19327**	25596
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chr18	34840589	34847463	Reep2	**1.19208**	9758
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chr10	62980223	63018742	Rufy2	**1.18326**	36068
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chr6	134396329	134438724	Bcl2l14	**1.18312**	11163
chr12	40222712	40222811	Mir1938	**1.18115**	502
chr19	47865545	47886305	Gsto2	**1.18049**	6994
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chr3	142530336	142550151	Gbp7	**1.17899**	28171

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chr11	120624823	120624876	Mir6936	**1.17644**	270
chr7	92584183	92637142	Ankrd42	**1.17492**	13892
chr16	5211819	5222299	AU021092	**1.1749**	6851
chr8	33386325	33417469	Purg	**1.17487**	8973
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chr14	55854115	55874736	Nynrin	**1.1712**	36900
chr17	21707741	21725636	Zfp760	**1.17091**	20946
chr17	49993307	50190497	Rftn1	**1.16972**	13930
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chr13	67813816	67827000	Zfp273	**1.16742**	11516
chr5	5664829	5694568	Steap2	**1.16735**	54208
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chr4	12039356	12087957	Tmem67	**1.15887**	17549
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chr13	62836885	62858370	Fbp2	**1.15189**	6335
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chr7	24270418	24277794	Zfp93	**1.14614**	17098
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chr5	114123934	114128176	Alkbh2	**1.14551**	5185
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chr7	79660196	79698097	Ticrr	**1.14178**	34687
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chr14	34370274	34374669	Sncg	**1.13883**	3543
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chr18	14783245	14900359	Taf4b	**1.13508**	24840
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chr2	163054635	163084687	Mybl2	**1.1336**	17836
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chr9	107340640	107349683	6430571L13Rik	**1.13154**	12273
chr3	99253760	99354260	Tbx15	**1.13152**	17154
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chr12	98628142	98669819	Spata7	**1.12534**	10680
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chr19	4040288	4042221	Gstp2	**1.12325**	3590
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chr17	47394558	47400584	Guca1a	**1.12173**	4162

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chr19	5092880	5098418	Cnih2	**1.12087**	5850
chr13	74359582	74360604	Lrrc14b	**1.12078**	4873
chr10	81575287	81590845	Tle2	**1.11972**	14667
chr8	69371025	69395544	Gm10033	**1.11947**	12380
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chr6	48504339	48534832	Zfp862-ps	**1.11609**	29832
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chr15	98519717	98519761	Snora34	**1.09801**	210
chr4	62965574	63134030	Zfp618	**1.09711**	13373
chr9	56865104	56899870	Cspg4	**1.09603**	37499
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chr2	77180340	77280592	Sestd1	**1.09412**	41549

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chr6	83057844	83067219	Dqx1	**1.0924**	14662
chr17	21733724	21748969	Zfp229	**1.09227**	21011
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chr3	40540767	40704774	Intu	**1.09046**	29601
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chr4	132782357	132796364	Themis2	**1.08841**	11759
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chr9	65552577	65580087	Plekho2	**1.08764**	23700
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chr4	117926160	117929763	Artn	**1.08579**	10074
chr2	75659259	75659289	Hnrnpa3	**1.08536**	143
chr19	24294796	24555827	Pip5k1b	**1.08469**	11645
chr15	97277334	97385691	Pced1b	**1.08406**	9869
chrX	36911272	36989695	Sept6	**1.08271**	29400
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chr17	46383766	46420918	Zfp318	**1.08181**	63997
chr16	4284886	4420498	Adcy9	**1.0807**	36010
chr4	141016637	141060545	Crocc	**1.08003**	30663
chr10	110745465	110787384	E2f7	**1.07998**	25135
chr1	143640697	143649937	B3galt2	**1.07971**	21008
chr8	82863356	83091271	Rnf150	**1.0796**	44439
chr7	28692849	28699337	Fbxo27	**1.07831**	9505
chr10	11343445	11457477	Epm2a	**1.07809**	4944
chr10	77290727	77418273	Adarb1	**1.07769**	30166
chr2	28462001	28466324	1700007K13Rik	**1.07752**	3682
chr2	131127412	131145983	Hspa12b	**1.07714**	13473
chr5	110879803	111289779	Ttc28	**1.07631**	48887
chr11	34226821	34783905	Dock2	**1.07508**	29316
chr11	72390114	72411713	Smtnl2	**1.07503**	11989
chr10	125227485	125328535	Slc16a7	**1.0747**	11049
chr2	174760758	174784042	Edn3	**1.07452**	13600
chr5	88519809	88527897	Igj	**1.07402**	9595
chr3	146121791	146140646	Mcoln3	**1.0735**	7811
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chr9	7445822	7455974	Mmp3	**1.07187**	8200
chr19	4445908	4477143	Syt12	**1.07156**	12802
chr9	31315107	31378543	Prdm10	**1.07136**	15518
chr11	50898712	50916176	Zfp2	**1.07018**	14482
chr1	171839697	171890718	Cd84	**1.06991**	14965
chr17	25844852	25861515	Wdr90	**1.06991**	27056
chr13	74036495	74062285	Cep72	**1.06935**	16507
chr5	113550420	113589725	Wscd2	**1.06691**	17281
chr3	123076519	123236149	Synpo2	**1.06339**	32161

chr15	78325990	78351001	Csf2rb	**1.06232**	21234
chr9	107597674	107609241	Sema3b	**1.06183**	19234
chr5	52199984	52216433	C130083M11Rik	**1.06101**	9339
chr10	40883534	40938569	Wasf1	**1.06101**	11499
chrX	152294824	152327493	Kantr	**1.06067**	19195
chr13	49544443	49567562	Aspn	**1.05945**	10586
chr12	104247896	104254405	Serpina3h	**1.05931**	9234
chr1	162953800	162984491	Fmo3	**1.0588**	9045
chr17	23575852	23599487	Zfp13	**1.05764**	9615
chr2	85579215	85580282	Olfr996	**1.05747**	4800
chr11	69881567	69895539	Acap1	**1.05747**	11155
chr5	137061506	137072272	Serpine1	**1.05669**	13572
chrX	134804142	134809221	Armcx2	**1.05639**	16226
chr7	45473563	45488796	Dhdh	**1.05605**	12289
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chr13	67128228	67141787	Zfp759	**1.05582**	15625
chr2	93201760	93334487	Tspan18	**1.05563**	16829
chr13	43785112	43803133	Cd83	**1.055**	9600
chr7	62348277	62349927	Ndn	**1.05459**	7400
chr10	4403169	4432352	Rmnd1	**1.05418**	457
chr11	62604884	62648523	Lrrc75a	**1.05405**	8888
chr8	123103058	123103105	Snord68	**1.05389**	215
chr8	88521344	88594887	Nkd1	**1.05376**	19970
chr5	110286319	110337453	Pole	**1.05267**	31895
chr3	138089855	138143388	Mttp	**1.05042**	19688
chr6	116410071	116461178	Alox5	**1.04952**	12610
chr9	102739648	102756685	Gm5627	**1.04654**	4141
chr18	66458604	66465558	Pmaip1	**1.04612**	11800
chr17	26414965	26446342	Neurl1b	**1.0461**	27512
chr17	36164444	36168537	Gm8909	**1.04588**	6032
chr15	84680998	84703673	Prr5	**1.04565**	8155
chr4	126058565	126089334	Oscp1	**1.0448**	9556
chr7	30314816	30319045	Syne4	**1.04316**	6003
chr10	85119433	85128027	Mterf2	**1.0431**	6947
chr15	88751711	88784516	Zbed4	**1.04308**	23824
chr6	27275121	28134369	Grm8	**1.04261**	16298
chr1	36761798	36782820	Zap70	**1.04146**	12044
chr8	70842049	70857008	Kcnn1	**1.04063**	17877
chr12	112130880	112130955	Mir203	**1.04022**	336
chrX	163909017	163933666	Ap1s2	**1.03942**	21514
chr8	36567739	36952442	Dlc1	**1.03824**	37397
chr2	156019140	156052947	Fer1l4	**1.03796**	26932
chr7	30077337	30090510	Zfp566	**1.03696**	7457
chr9	20875166	20879710	Angptl6	**1.03671**	5728
chr12	72441866	72510565	Lrrc9	**1.03627**	22748
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chr16	13676834	13678385	3110001I22Rik	**1.03605**	6834

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chr7	99624067	99627103	Gm4980	**1.03373**	13343
chr1	186623186	186705992	Tgfb2	**1.03357**	20756
chr2	60417543	60553308	Pla2r1	**1.03319**	31230
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chr18	32815383	32819799	Tslp	**1.0317**	5845
chr5	130144888	130155808	Kctd7	**1.03138**	18700
chr11	22512283	22519231	Tmem17	**1.03011**	5998
chr12	41024090	41955588	Immp2l	**1.02977**	5020
chr2	130872541	130906396	A730017L22Rik	**1.02843**	10381
chr4	58435252	58553491	Lpar1	**1.02827**	15899
chr6	34871771	34878065	3110062M04Rik	**1.02759**	6800
chr8	25024928	25038962	Htra4	**1.02692**	9519
chr10	80602880	80607654	Adat3	**1.0263**	5858
chr6	148212375	148212430	4732416N19Rik	**1.02518**	244
chr11	6620319	6620419	Snora5c	**1.02502**	440
chr4	126024659	126044975	Csf3r	**1.02202**	17579
chr10	118141787	118168999	Mdm1	**1.02142**	13679
chr12	73286848	73354045	Slc38a6	**1.02003**	12828
chrX	139889511	139998595	Rbm41	**1.01996**	29300
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chr2	119047119	119104121	Casc5	**1.01828**	28239
chr2	129369902	129375733	Il1bos	**1.01801**	6040
chr5	129863952	129879083	Phkg1	**1.01801**	7974
chr5	137730963	137739998	Nyap1	**1.01683**	15130
chr9	95752642	95845279	Pls1	**1.01663**	15974
chr17	33974659	33978791	H2-K2	**1.01632**	5719
chr2	180179755	180179823	Mir7005	**1.01617**	298
chrX	74274027	74274105	Mir7091	**1.01561**	341
chr4	135120645	135177990	Runx3	**1.0148**	16782
chr5	110167508	110176504	Gm15787	**1.01336**	5543
chr2	180598222	180621956	Col9a3	**1.0129**	11266
chr17	36109030	36111676	C920025E04Rik	**1.01252**	5547
chr16	91614257	91618999	Dnajc28	**1.0117**	15200
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chr11	70688361	70700155	Inca1	**1.01016**	5504
chr7	118535844	118584686	Tmc7	**1.00991**	19285
chr11	95830072	95842476	Abi3	**1.00972**	10175
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chr5	125003475	125012547	Fam101a	**1.0086**	7073
chr2	71981215	72257474	Rapgef4	**1.00795**	19766
chr12	11240926	11265787	Gen1	**1.00773**	14061
chr11	99415664	99422259	Krt12	**1.00714**	7936
chr4	116097044	116123690	Rad54l	**1.00704**	11372
chr8	46552069	46579584	Cenpu	**1.00612**	5978
chr6	124841095	124857687	Leprel2	**1.00592**	11881
chr11	110269369	110337716	Abca5	**1.00495**	35318

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chr10	127182521	127190054	Arhgef25	**1.00187**	10164
chr4	99829500	99912783	Efcab7	**1.00117**	7740
chr16	92346001	92359468	Kcne1	**0.99917**	13398
chr11	116918863	116986944	Mgat5b	**0.99884**	18059
chr3	152273460	152340407	Fam73a	**0.99868**	22725
chrX	134075316	134075397	Mir3112	**0.99854**	348
chr2	80411970	80447396	Frzb	**0.99611**	12362
chr1	135371456	135375063	Shisa4	**0.99572**	5036
chrX	153685154	153696280	Kctd12b	**0.99572**	20292
chr13	12182717	12186488	Gm10336	**0.99455**	15944
chr15	74702412	74707864	Jrk	**0.99392**	23035
chr12	32173397	32208649	Pik3cg	**0.99373**	29370
chr3	134829007	134934581	Tacr3	**0.99372**	15897
chr9	108854043	108862143	Slc26a6	**0.99279**	11498
chr5	25760026	25850341	Actr3b	**0.99258**	7218
chr7	109034460	109083324	Ric3	**0.99207**	26749
chr5	92346639	92348889	Cxcl10	**0.99099**	4633
chr13	12186540	12258113	Mtr	**0.98974**	18862
chr19	60889749	61092555	Grk5	**0.98959**	13320
chr17	66123520	66152168	Ddx11	**0.98929**	17449
chr1	39548747	39548840	Snord89	**0.98871**	395
chr11	97509340	97575126	Srcin1	**0.98794**	29245
chr5	137569840	137588081	Tfr2	**0.98771**	15868
chr12	69198430	69199868	9330151L19Rik	**0.98726**	6038
chr12	84409068	84433780	Ccdc176	**0.98616**	8764
chr7	141061274	141072119	B4galnt4	**0.98571**	13008
chr5	35652026	35679780	Htra3	**0.98301**	14418
chr11	61653321	61672777	Grap	**0.98279**	6679
chr7	44836288	44836537	Il4i1	**0.98223**	263
chr7	44816370	44834092	Nup62-il4i1	**0.98135**	1001
chr5	74093083	74094336	Dancr	**0.98075**	3814
chr9	59707764	59716424	Gramd2	**0.98071**	5702
chr11	59810080	59818362	Gm16062	**0.98055**	1817
chr9	79598987	79718722	Col12a1	**0.98044**	48833
chr5	115631049	115631816	1110006O24Rik	**0.98037**	3200
chrX	102119465	102127673	Pin4	**0.97929**	1977
chr1	9960163	9967485	Tcf24	**0.97834**	15576
chr11	120653789	120660837	Notum	**0.97798**	8392
chr14	75955003	75965217	Kctd4	**0.97783**	12530
chr17	57358686	57483529	Emr1	**0.97762**	13483
chr8	95703037	95715119	Ndrg4	**0.97725**	12319
chr7	29289320	29293390	Ppp1r14a	**0.97704**	2205
chr4	107291465	107307143	Dio1	**0.97565**	6900
chr11	3452472	3479831	8430429K09Rik	**0.97523**	10561
chr9	70089310	70141557	Fam81a	**0.97388**	11933
chr1	16994940	17097889	Jph1	**0.97346**	19888

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chr7	79392338	79450264	Fanci	**0.97253**	17447
chr4	149649168	149701629	Pik3cd	**0.97182**	22308
chr6	85213051	85333422	Sfxn5	**0.97142**	15086
chr15	58341464	58389274	Anxa13	**0.97137**	5111
chr19	7269764	7275225	Rcor2	**0.97024**	8305
chr1	189207930	189402273	Kcnk2	**0.97003**	16998
chr16	5884793	7412480	Rbfox1	**0.96996**	22595
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chr8	45336715	45382291	Fam149a	**0.96928**	22571
chr4	132974095	133001882	Fgr	**0.96769**	13745
chr18	70508680	70530321	Poli	**0.96761**	14262
chr4	14952245	15149131	Necab1	**0.96749**	18553
chr19	53677306	53867080	Rbm20	**0.96681**	27087
chr2	91184061	91195116	Nr1h3	**0.96496**	8350
chr12	98268635	98276722	Gpr65	**0.96417**	8798
chr7	98051054	98119493	Myo7a	**0.96361**	30683
chr14	49682019	49783367	3632451O06Rik	**0.96298**	11247
chr3	95134088	95139520	Lysmd1	**0.96282**	9285
chr8	71988482	72009626	Cyp4f18	**0.96258**	6963
chr11	51253651	51262951	BC049762	**0.96247**	3612
chr9	65630582	65660518	Rbpms2	**0.96244**	8001
chr2	163336242	163397993	Jph2	**0.96205**	17398
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chr11	80089400	80135791	Atad5	**0.9617**	29723
chr2	93403547	93417830	Gm13807	**0.96168**	5293
chr7	119794130	119848938	2610020H08Rik	**0.96122**	9580
chr7	25009851	25072369	Grik5	**0.96114**	15678
chr17	6673610	6738044	Sytl3	**0.96079**	10029
chr8	84208815	84208921	Mir24-2	**0.96076**	98
chr1	193221641	193264045	Hsd11b1	**0.96069**	5900
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chr16	43640655	43640737	Mir568	**0.95816**	338
chr7	131032076	131121628	Dmbt1	**0.95789**	25416
chr2	157010442	157079265	Soga1	**0.95582**	53753
chr11	53476578	53480195	Sowaha	**0.95539**	14691
chr8	109339800	109340908	Gm1943	**0.95473**	4500
chr2	113220187	113423560	Mir1954	**0.9537**	304
chr7	100937634	100964366	P2ry6	**0.95122**	7750
chr12	75630594	75669537	Wdr89	**0.95054**	8710
chr17	55652025	55712628	Pot1b	**0.94942**	14119
chr6	48613180	48623227	Zfp775	**0.9491**	16470
chr3	103735394	103738001	Olfml3	**0.94901**	7002
chr7	7171353	7183560	Zfp418	**0.94812**	10880
chr3	95139526	95142360	Tnfaip8l2	**0.94789**	4500

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chr13	9876613	10360803	Chrm3	**0.94702**	12751
chr7	140247301	140299791	5830411N06Rik	**0.94673**	13757
chr17	84511895	84622142	Plekhh2	**0.94621**	27692
chr7	127582448	127588595	Gm166	**0.94606**	7129
chr1	173420604	173466036	Aim2	**0.94579**	10198
chrX	133582861	133688993	Pcdh19	**0.94527**	41356
chrX	144153695	144166274	A730046J19Rik	**0.9447**	18899
chr12	84783212	84875801	Ltbp2	**0.94442**	23718
chr12	116401947	116405161	D430020J02Rik	**0.94237**	11583
chr11	70130357	70137542	Mgl2	**0.94115**	6200
chr12	108536402	108555618	Gm16596	**0.93914**	5145
chr19	11469368	11482196	Ms4a6c	**0.93909**	8190
chr11	98036624	98053462	Stac2	**0.93907**	12169
chr10	82650495	82690650	Glt8d2	**0.93733**	8330
chr11	83028126	83040533	Slfn10-ps	**0.93671**	14758
chr11	94645217	94653754	Eme1	**0.93648**	8012
chr12	83763634	83792384	Papln	**0.93572**	17399
chr10	34126067	34127972	Fam26f	**0.93506**	4300
chr3	32365489	32367438	4930429B21Rik	**0.93497**	7105
chr11	3703731	3863903	Osbp2	**0.93483**	16278
chr5	104508352	104522383	BC005561	**0.93479**	20584
chr11	120442631	120447321	Tspan10	**0.93477**	8200
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chr18	42645221	43059471	Ppp2r2b	**0.92972**	11226
chr14	34526699	34588681	Ldb3	**0.92899**	23749
chr1	165295766	165321851	Gpr161	**0.92892**	7671
chr4	101069038	101151973	Raver2	**0.92832**	14176
chr7	98177194	98184799	Gm16938	**0.92822**	12561
chr6	124512621	124523440	C1ra	**0.9282**	10896
chrX	166499815	166510478	Tceanc	**0.92819**	15965
chr11	72028722	72037509	Aipl1	**0.92751**	6189
chr19	6184410	6224219	1700123I01Rik	**0.92729**	6357
chr11	73135484	73138294	Gsg2	**0.92642**	11068
chr13	43615797	43670944	Rnf182	**0.9257**	13597
chr9	22188166	22202123	Zfp872	**0.92549**	11643
chr17	34145416	34151095	H2-DMb2	**0.92529**	3091
chr7	121064067	121074530	Igsf6	**0.92516**	8387
chr7	28716790	28738140	Fbxo17	**0.92441**	7732
chr3	92957390	92958574	Lce3d	**0.92435**	2200
chr7	127527897	127528003	Snora30	**0.92356**	420
chr2	148404471	148408188	Thbd	**0.92324**	14589
chr11	69396516	69398234	Tmem88	**0.92211**	5616
chr17	35062693	35066184	G6b	**0.92179**	8333
chr17	26917091	26932579	Kifc5b	**0.92064**	10279
chrX	94791285	94798289	Zxda	**0.92002**	27391
chr15	79154913	79164490	Sox10	**0.9193**	10600

chr14	33923587	33935282	Gdf10	**0.91893**	9799
chr5	97884688	98030962	Antxr2	**0.91556**	14596
chr13	96924689	96950914	Gcnt4	**0.91427**	19798
chr2	163472630	163473003	2310001K24Rik	**0.9141**	1453
chr18	34409423	34442788	Pkd2l2	**0.91365**	8737
chr17	26113316	26123253	Tmem8	**0.91275**	13434
chr10	80321283	80329473	Pcsk4	**0.9127**	9752
chr8	123407082	123410744	Mc1r	**0.91212**	14200
chr17	45600967	45602102	Gm7325	**0.91198**	3783
chr12	73100259	73113245	Six4	**0.91197**	21597
chr16	36321665	36334332	BC117090	**0.91197**	1500
chr18	35726989	35730869	1700066B19Rik	**0.91146**	9700
chr11	95145053	95159047	A730090H04Rik	**0.91144**	6136
chr17	17121383	17146878	Zfp97	**0.91118**	10700
chr19	5406815	5422803	4930481A15Rik	**0.91109**	8213
chr16	48924228	48994112	Dzip3	**0.91074**	22338
chr3	91088137	91090805	9130204L05Rik	**0.91048**	1900
chr7	83584931	83623709	Tmc3	**0.90937**	16681
chr8	111966908	111992302	Adat1	**0.90875**	12201
chr15	45106284	45114934	Kcnv1	**0.90776**	17346
chr5	123118180	123132629	Rhof	**0.90723**	8263
chr2	150570415	150578944	Cst7	**0.90679**	3800
chr17	32659483	32676480	Cyp4f40	**0.90522**	6071
chr13	48577869	48625672	Ptpdc1	**0.90491**	17676
chr13	53109317	53286109	Ror2	**0.90464**	15264
chr2	164948219	164955849	Mmp9	**0.90438**	12200
chr8	105281940	105289528	4931428F04Rik	**0.90415**	7770
chr8	22128283	22166435	Nek3	**0.90409**	7854
chr5	31116612	31137626	Trim54	**0.90398**	5886
chr9	18454054	18473559	Zfp558	**0.9034**	14740
chrX	20105755	20291764	Slc9a7	**0.90313**	9477
chr19	5465240	5468498	Ctsw	**0.90257**	4726
chr4	28813131	28967503	Epha7	**0.90214**	30616
chr5	140724127	140753312	Amz1	**0.90189**	10292
chr5	51454249	51553921	Ppargc1a	**0.9018**	24775
chr9	8076633	8134294	AK129341	**0.90141**	13972
chr15	84324720	84342978	Parvg	**0.90124**	10771
chr12	5077466	5375682	Klhl29	**0.90099**	26985
chr19	32389216	32391184	2700046G09Rik	**0.90057**	6281
chr6	65590398	65634040	Tnip3	**0.90039**	14423
chr9	120577331	120578073	5830454E08Rik	**0.9003**	2843
chr2	125563088	125625113	Cep152	**0.89873**	22032
chr4	119530315	119538769	AA415398	**0.89872**	7265
chr1	82233105	82291439	Irs1	**0.89868**	34998
chr17	6040571	6079739	Serac1	**0.89818**	20358
chr7	8086047	8093037	2810047C21Rik1	**0.89664**	6265
chrX	105120396	105123911	Magee1	**0.89638**	13395

chr10	51480612	51486329	Gp49a	**0.89606**	5644
chr7	92857527	92874232	Ddias	**0.89599**	13134
chr10	20952547	21080429	Ahi1	**0.8957**	19392
chr5	123749726	123821593	Kntc1	**0.89542**	26491
chr5	137852147	137858049	Pilrb1	**0.89502**	3880
chr3	107938848	107943749	Gstm6	**0.89458**	4380
chr12	69893164	69964085	Atl1	**0.89441**	10161
chr16	97447035	97462906	Mx1	**0.89362**	11299
chr17	10840384	12063360	Park2	**0.89293**	12148
chr17	56628143	56664456	Catsperd	**0.89208**	9725
chr17	29360914	29379535	Fgd2	**0.89185**	9950
chr2	25498650	25501719	C8g	**0.89128**	4682
chr2	128698997	128802188	Mertk	**0.89045**	13454
chr8	81342562	82127917	Inpp4b	**0.88989**	37046
chr17	34950950	34951008	Snord52	**0.88931**	223
chr7	16994588	16996645	Ccdc8	**0.88925**	7778
chr11	60353380	60394333	Lrrc48	**0.8891**	7021
chr13	119710094	119755882	Nim1k	**0.88885**	15500
chr7	27499324	27520041	Prx	**0.88882**	19870
chr11	78826595	78843899	Lyrm9	**0.88863**	19084
chr6	5168090	5193946	Pon1	**0.88843**	5713
chr4	59626211	59754303	E130308A19Rik	**0.88753**	20675
chr10	67979598	68043864	Rtkn2	**0.88646**	14814
chr5	76591714	76646466	Cep135	**0.88643**	20020
chr18	38238405	38250565	1700086O06Rik	**0.88643**	6706
chr5	128984558	129008572	Stx2	**0.88634**	11060
chr16	91729371	91920579	Itsn1	**0.88538**	73220
chrX	145446424	145487639	Amot	**0.88454**	28139
chr8	25578490	25597487	Letm2	**0.88446**	7894
chr6	58596672	58692451	Abcg2	**0.88382**	9357
chr8	106870242	106882902	Has3	**0.88356**	22201
chr12	84114328	84143510	Dnal1	**0.8828**	21604
chr11	6506548	6520958	Myo1g	**0.88245**	12403
chr1	84036293	84284645	Pid1	**0.88222**	10000
chr9	45253839	45269146	Il10ra	**0.88221**	13097
chr5	120812635	120824160	Oas1b	**0.88159**	6883
chr8	108714644	108961636	Zfhx3	**0.88135**	61578
chr11	98907889	98923942	Cdc6	**0.88074**	17597
chr10	81178961	81179013	Snord37	**0.879**	198
chr17	43641900	43667015	Slc25a27	**0.8788**	10036
chr2	115493513	115512201	3110099E03Rik	**0.87859**	9873
chr2	28193093	28230736	Olfm1	**0.87835**	12797
chr16	73892306	74410912	Robo2	**0.87814**	30033
chr9	41581339	41592487	2610203C20Rik	**0.8779**	9619
chr1	170317496	170589849	Nos1ap	**0.87786**	13745
chr7	79698146	79714186	Kif7	**0.87767**	16700
chr3	102086455	102146512	Casq2	**0.87751**	9376

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chr2	32787607	32847237	Stxbp1	**0.87629**	14916
chr7	24301704	24316666	Zfp94	**0.87623**	9906
chrX	136033367	136034946	Arxes1	**0.87622**	5884
chr10	75923224	75932463	Mmp11	**0.87508**	8357
chr11	70012043	70012131	Mir324	**0.87506**	331
chr5	43818893	43843468	Bst1	**0.87457**	8683
chr12	105030617	105032279	Snhg10	**0.87443**	1966
chr1	87620312	87720510	Inpp5d	**0.87391**	17728
chr13	93040715	93144724	Cmya5	**0.87362**	34449
chr6	38381524	38427647	Ttc26	**0.87335**	15367
chr3	102734770	102772310	Tspan2	**0.87327**	15863
chr5	120753098	120777659	Oas3	**0.87273**	17500
chr12	4082574	4110612	Dnajc27	**0.87261**	17479
chr11	59505685	59511067	4933439C10Rik	**0.87252**	4691
chr9	72438529	72456903	Mns1	**0.87146**	5715
chr14	55878920	55884256	Cbln3	**0.87131**	17490
chr11	74905446	74905505	Snord91a	**0.87057**	222
chr7	45215753	45233619	Tead2	**0.86951**	7428
chr18	37742094	37744658	Pcdhgb6	**0.86859**	9469
chr13	104109790	104141441	Sgtb	**0.86756**	9974
chr15	101643020	101647380	Gm5478	**0.86691**	10906
chr9	124121543	124127183	Ccr5	**0.86597**	10769
chr6	34303930	34317489	Akr1b3	**0.86586**	184
chr13	15463723	15730025	Gli3	**0.86556**	30997
chr2	79834453	80129412	Pde1a	**0.86543**	17600
chr1	12866550	12991135	Slco5a1	**0.86513**	31294
chr2	30795563	30803664	1700001O22Rik	**0.86425**	5844
chrX	7158412	7319358	Clcn5	**0.86375**	15980
chr2	114047289	114052811	Actc1	**0.86329**	5100
chr5	127632262	127707520	Glt1d1	**0.86328**	5720
chr14	27039001	27107286	Il17rd	**0.86278**	30142
chr7	100472991	100486432	Ucp3	**0.86138**	8962
chr5	38137770	38159467	Nsg1	**0.86016**	5714
chr2	163726571	163750239	Ada	**0.85954**	6214
chr14	52311177	52328670	Sall2	**0.85949**	19492
chr19	5024006	5031972	Slc29a2	**0.85876**	9026
chr19	46312091	46327156	Psd	**0.85775**	14203
chr3	96601133	96625352	Lix1l	**0.85741**	9143
chr7	30056034	30072823	Zfp82	**0.85711**	12371
chr9	56201129	56418050	Peak1	**0.85648**	39965
chr7	142326110	142372259	Ifitm10	**0.85556**	11745
chr15	6579847	6665608	Fyb	**0.85409**	18139
chr5	120896257	120907525	Oas1a	**0.85392**	6852
chr1	45374331	45503282	Col5a2	**0.8533**	23990
chr6	38287394	38299259	Zc3hav1l	**0.8528**	23697
chr3	37312554	37321451	Bbs12	**0.85067**	8800

chr17	46129277	46144198	Rsph9	**0.84923**	3400
chr13	22002176	22009741	Prss16	**0.84844**	7760
chr7	141448803	141448936	Snora52	**0.84809**	483
chr4	88910557	88910662	Mir31	**0.84792**	382
chr11	109440078	109440255	LOC100503496	**0.8473**	641
chr3	89215187	89226837	Thbs3	**0.84668**	11454
chr7	101289616	101302088	Atg16l2	**0.84645**	7785
chrX	106143275	106160493	Tlr13	**0.84643**	14440
chr6	5383386	5433021	Asb4	**0.8451**	11799
chr4	115000118	115043198	Stil	**0.84391**	19110
chr7	12415149	12422491	Zfp551	**0.84351**	8371
chr11	75193993	75267762	Rtn4rl1	**0.84349**	11859
chr9	45139042	45154061	Scn4b	**0.84252**	15197
chr11	120232947	120292297	Bahcc1	**0.84245**	38408
chr16	17276300	17278661	Tmem191c	**0.84139**	5035
chr14	56696275	56701000	Gm16973	**0.83943**	6379
chr12	100876682	100908198	Gpr68	**0.83912**	12500
chr9	106470353	106476651	Parp3	**0.83794**	9377
chr5	113793729	113800352	Tmem119	**0.83777**	7399
chr11	23013387	23023741	Fam161a	**0.83766**	6896
chr9	65587205	65595962	Pif1	**0.83706**	13092
chr6	125215581	125222306	Vamp1	**0.83681**	9752
chr9	111054835	111057270	Ccrl2	**0.83633**	7500
chr4	119232915	119248977	Lepre1	**0.83631**	11957
chr6	120203810	120294559	B4galnt3	**0.83507**	10509
chrX	136974022	136974239	Tmsb15b1	**0.8343**	773
chr11	67200114	67224575	Myh1	**0.83346**	21321
chr4	108400217	108406713	Gpx7	**0.83339**	4300
chr1	75546266	75559431	Slc4a3	**0.83286**	15720
chr10	88091398	88146941	Parpbp	**0.83264**	11303
chr11	4141193	4160293	Ccdc157	**0.83256**	17986
chr7	109758056	109781545	Nrip3	**0.82871**	13782
chr9	88956920	88962416	Bcl2a1a	**0.82735**	2799
chr17	43146041	43158291	E130008D07Rik	**0.82698**	17848
chr14	55575674	55576952	Fitm1	**0.82557**	3200
chr2	52428320	52676609	Cacnb4	**0.8253**	30453
chr11	70790932	70812561	Scimp	**0.82496**	3699
chr5	90366997	90368488	Gm9958	**0.8243**	5227
chr4	108879070	108943324	Rab3b	**0.82425**	10520
chr2	128863932	128897034	Fbln7	**0.82371**	10184
chr12	108851129	108856815	Slc25a47	**0.82172**	5518
chr2	120732817	120850584	Ttbk2	**0.82134**	39334
chr9	120048683	120068296	Cx3cr1	**0.82128**	13100
chr10	82128013	82153065	AU041133	**0.82065**	9187
chr3	116585196	116614587	Trmt13	**0.82022**	7115
chr13	13437602	13512275	Nid1	**0.82004**	21072
chr3	59114623	59132462	P2ry14	**0.81969**	8699

chr8	54550331	54587836	Asb5	**0.81896**	5496
chr17	36115871	36121435	H2-T10	**0.81889**	10013
chr10	7678971	7681158	BC020402	**0.81792**	7606
chrX	16885522	16911764	Ndp	**0.81765**	6700
chr19	37021291	37207471	Cpeb3	**0.81754**	22592
chr17	23741199	23745829	Kremen2	**0.81745**	7355
chr15	76457438	76459468	Scx	**0.81709**	3945
chr7	4782940	4784340	Tmem190	**0.81647**	2030
chr11	121434953	121450490	Fn3k	**0.81626**	3490
chr7	29003340	29125151	Ryr1	**0.81594**	53273
chr16	22059009	22163299	Igf2bp2	**0.81515**	13508
chr1	134296783	134332928	Ppfia4	**0.8148**	21010
chr19	58728887	58744169	Pnliprp1	**0.81384**	5600
chr2	175470025	175470059	Gm14306	**0.81342**	121
chr12	4833174	4841595	Fkbp1b	**0.81318**	3387
chr6	125049927	125063265	Acrbp	**0.81139**	6597
chr16	57036967	57071346	Tmem45a2	**0.8102**	10561
chr9	75775365	75899017	Bmp5	**0.80973**	8700
chr10	88459587	88473236	Sycp3	**0.80951**	3585
chr12	69168814	69179010	Lrr1	**0.80948**	5164
chr9	21927536	21935872	Ccdc159	**0.80922**	5042
chr13	47023543	47043217	Tpmt	**0.80882**	9333
chr5	136083916	136111861	Rasa4	**0.80853**	10017
chr8	3623374	3625545	Pcp2	**0.80762**	2135
chr11	99280093	99285238	Krt24	**0.80672**	5791
chr16	44867097	44915840	Cd200r2	**0.8067**	6000
chr16	32142825	32165476	Nrros	**0.80655**	12200
chr7	19671579	19677941	Apoc2	**0.80652**	2492
chr16	96467606	96525793	Pcp4	**0.8057**	2195
chr11	97136171	97149712	Tbkbp1	**0.80442**	11402
chr8	119666365	119688020	Wfdc1	**0.80368**	3993
chr14	99870640	100149796	Klf12	**0.8032**	19574
chrX	157566119	157568985	Yy2	**0.80246**	9778
chr2	34893755	34913976	Phf19	**0.80217**	12761
chr4	43957702	43979118	Glipr2	**0.80212**	6883
chr13	54503805	54551217	Simc1	**0.80202**	16089
chr9	20667986	20728214	Olfm2	**0.8009**	5191
chr9	72458055	72491959	Tex9	**0.80055**	13790
chr7	28982854	29003278	Map4k1	**0.79926**	9165
chr6	83101516	83109107	Ccdc142	**0.79877**	10575
chr11	101155884	101161787	Tubg2	**0.79842**	6030
chr8	85636588	85691009	Neto2	**0.798**	19149
chr8	71554303	71558871	Tmem221	**0.79775**	5218
chr14	115044392	115046728	Mir17hg	**0.7975**	7650
chr11	46978783	47379302	Sgcd	**0.79685**	4738
chr12	90724552	90738438	Dio2	**0.79577**	19667
chr4	123403601	123411911	D830031N03Rik	**0.79541**	28096

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chr14	61309753	61311936	Arl11	**0.79382**	5000
chr14	61602836	61682373	Dleu2	**0.79365**	5714
chr15	102662868	102671047	Atp5g2	**0.79351**	2182
chr11	121036749	121039478	Cd7	**0.79183**	3500
chr4	144669937	144686368	Gm436	**0.79179**	4119
chr13	23571400	23571863	Hist1h2bg	**0.79105**	1560
chr10	113586578	113614774	Mir669h	**0.79057**	168
chr7	127382260	127387166	9130019O22Rik	**0.79026**	13025
chr13	67312998	67332560	Zfp595	**0.78965**	13119
chr4	155839680	155844102	Mxra8	**0.78956**	7594
chrX	6047507	6054751	Nudt11	**0.78929**	8799
chr15	75909735	75914535	Tigd5	**0.78903**	16100
chr6	145250552	145251856	Gm15706	**0.78898**	2971
chr7	29932791	29951893	Zfp74	**0.78873**	12440
chr2	140395430	142390050	Macrod2	**0.78834**	16890
chrX	102513975	102644246	Phka1	**0.78794**	20478
chr18	69925559	69969484	Ccdc68	**0.78686**	5100
chr3	40894277	40936307	3110057O12Rik	**0.78659**	8331
chr18	35614604	35627227	Slc23a1	**0.7864**	10057
chr6	24597771	24605414	Lmod2	**0.78625**	6573
chr3	90266514	90280665	Dennd4b	**0.78619**	18107
chr4	112804616	113286973	Skint6	**0.78616**	12777
chrX	101449109	101453541	Itgb1bp2	**0.7852**	4315
chr15	44671856	44788063	Sybu	**0.78513**	12500
chr8	70895759	70895856	Snora68	**0.78509**	327
chr17	36860691	36867187	Trim15	**0.78348**	6137
chr3	89350235	89365239	Dcst1	**0.78331**	7697
chr4	108579454	108614831	Orc1	**0.7832**	10026
chr8	40307875	40307929	Mir7666	**0.78287**	183
chr14	34051130	34102754	A630023A22Rik	**0.78267**	3546
chr9	122382022	122398801	A730085K08Rik	**0.78152**	1880
chr18	25127223	25168877	Tpgs2	**0.78134**	22598
chr2	150934519	151009398	Ninl	**0.78075**	16900
chr9	78257129	78269166	Gm3776	**0.7807**	2900
chr11	87806428	87826114	Lpo	**0.77885**	9689
chr7	55962531	55980096	A230056P14Rik	**0.77832**	3083
chr7	45627537	45639092	Rasip1	**0.77767**	10418
chr2	164731226	164743267	Wfdc3	**0.7776**	2710
chr4	128583539	128610098	Zscan20	**0.77704**	17741
chr2	3424131	3461116	Dclre1c	**0.77655**	12710
chr13	51097738	51100727	9430083A17Rik	**0.77645**	9867
chrX	100524838	100546108	Dgat2l6	**0.776**	5300
chr19	38524197	38785100	Plce1	**0.77371**	31269
chr2	155490380	155514846	Ggt7	**0.77354**	8584
chr5	8660092	8748570	Abcb1a	**0.77309**	16353
chr15	103530279	103537992	Ppp1r1a	**0.77309**	4255

chr3	86140617	86140687	Rnu73b	**0.77214**	233
chr17	87274886	87282814	4833418N02Rik	**0.77214**	5021
chr5	45719667	45727578	Gm3414	**0.77176**	25952
chr17	27018035	27036377	Ggnbp1	**0.77066**	5840
chr11	87756841	87756955	Mir142b	**0.77045**	167
chr11	96944146	96965060	D030028A08Rik	**0.77028**	9232
chr5	137296624	137296688	Mir7036	**0.7674**	212
chr18	57468486	57478134	Ctxn3	**0.76724**	4800
chrX	6400145	6633717	Shroom4	**0.76617**	14419
chr2	156852403	156862945	5430405H02Rik	**0.76552**	2066
chr11	98001508	98022627	Cacnb1	**0.76517**	12514
chr13	74371426	74376566	Zfp72	**0.76494**	5296
chr15	76660641	76668196	Kifc2	**0.76493**	10218
chr4	132564067	132580866	Ptafr	**0.76456**	5914
chr11	29374172	29510808	Ccdc88a	**0.76443**	28792
chr9	108403633	108428482	Ccdc36	**0.76341**	9299
chr2	156312473	156375638	Cnbd2	**0.76336**	6174
chr8	128359073	128505475	Nrp1	**0.76295**	18937
chr7	45526330	45554229	Plekha4	**0.76292**	8625
chr2	26581056	26592682	Egfl7	**0.76235**	5142
chr1	61638824	62642284	Pard3b	**0.76219**	27185
chr17	6439002	6450994	Tmem181b-ps	**0.76166**	15247
chr11	115523109	115536230	Sumo2	**0.76024**	2950
chr8	70882889	70892757	Slc5a5	**0.75922**	9448
chr10	39892760	39899238	AA474331	**0.75919**	2520
chr9	106152860	106158138	Glyctk	**0.7588**	12900
chr3	90450592	90465866	Npr1	**0.75848**	13104
chr9	110476958	110525174	Kif9	**0.75658**	11219
chr14	55061659	55092048	Zfhx2	**0.75652**	22343
chr7	29893337	29906508	Zfp27	**0.75614**	12302
chr7	143071529	143094642	Trpm5	**0.75488**	14062
chr2	164830730	164833596	Neurl2	**0.75456**	2665
chr15	84553398	84557823	Ldoc1l	**0.75445**	14192
chr16	93919031	94008837	Cldn14	**0.75359**	6300
chr7	27984471	28014115	Zfp850	**0.75317**	20954
chr6	53573374	53695832	Creb5	**0.75263**	9190
chr1	187609006	188214884	Esrrg	**0.7525**	17846
chr11	105967945	105989964	Ace	**0.75189**	16157
chr7	18991245	19001766	Mypop	**0.75173**	6949
chr8	70616844	70620850	Lrrc25	**0.75152**	4066
chr7	28833794	28840867	Lgals4	**0.7515**	1482
chr14	56402697	56525031	Rnf17	**0.75103**	16429
chr1	74125541	74148230	Rufy4	**0.75089**	7455
chr6	148842492	148896237	Caprin2	**0.75058**	11784
chr19	46667165	46673000	Cyp17a1	**0.75008**	5869
chr4	112710830	112774861	Skint10	**0.74955**	5508
chr5	148990056	148995214	5930430L01Rik	**0.74938**	12692

chr5	65199696	65260415	Wdr19	**0.74877**	14012
chr2	124089969	124667789	Sema6d	**0.74827**	22920
chr16	48842552	48844461	Retnla	**0.74757**	1900
chr5	139017304	139130386	Prkar1b	**0.74753**	8702
chr11	69804931	69806038	G630025P09Rik	**0.74703**	1597
chr6	118502564	118562256	Ankrd26	**0.74654**	18098
chr15	30172593	31029343	Ctnnd2	**0.74627**	18859
chr3	87078592	87174747	Kirrel	**0.74587**	23100
chr16	45094053	45127924	Ccdc80	**0.74572**	11562
chr14	44851235	44859375	Ptgdr	**0.74566**	10100
chr4	12140117	12146746	Rbm12b1	**0.74513**	10400
chr15	55307750	55520803	Col14a1	**0.74414**	20393
chr6	116264219	116330304	Zfand4	**0.74402**	9945
chr6	128934381	128984707	Clec2g	**0.74387**	7907
chr7	143636725	143649638	Tnfrsf22	**0.74299**	7184
chr12	110275385	110278047	Dio3os	**0.74271**	3971
chr10	81628540	81647612	Ankrd24	**0.7424**	11542
chr4	130308778	130315463	Fabp3	**0.74189**	2018
chr10	76595756	76623404	Col6a2	**0.74145**	11751
chr1	36307733	36324029	Arid5a	**0.74127**	18254
chr12	99717531	99883442	Efcab11	**0.74043**	6511
chr6	128399766	128408935	Nrip2	**0.74036**	5966
chr10	95417375	95428640	5730420D15Rik	**0.7401**	3718
chr1	134986353	135105276	Lgr6	**0.73989**	11393
chr17	36005695	36020560	H2-T24	**0.73983**	6861
chr3	88744701	88772599	Syt11	**0.73976**	14359
chr1	153404186	153414233	E330020D12Rik	**0.73924**	8882
chr5	65987928	66004285	9130230L23Rik	**0.73888**	4566
chr2	27021365	27027998	Slc2a6	**0.73803**	6700
chrX	108834478	108886896	2810403D21Rik	**0.73747**	3150
chr7	81859001	81876094	Tm6sf1	**0.73677**	4387
chr9	57441327	57468060	Scamp5	**0.73661**	10469
chr7	84246275	84410038	Arnt2	**0.73612**	19000
chr13	23760795	23761249	Hist1h4a	**0.73586**	1423
chr4	135369577	135398227	Ncmap	**0.73577**	6717
chr13	67038594	67061170	Zfp712	**0.73461**	12395
chr17	35026338	35028016	Sapcd1	**0.73449**	1642
chr12	90998492	91384409	Cep128	**0.73362**	14988
chr12	112850876	112860916	Gpr132	**0.73316**	7600
chr7	30522226	30535060	Arhgap33	**0.73307**	13771
chr7	30169922	30180209	Gm5113	**0.73254**	9200
chr11	109672926	109722256	Fam20a	**0.73207**	7906
chr3	153910567	153910611	Snord45b	**0.73201**	140
chr3	53513938	53657355	Frem2	**0.73098**	38362
chr11	70459985	70466199	Zmynd15	**0.7296**	7560
chr9	99385420	99436712	Mras	**0.72921**	12496
chr1	164931648	164935510	Xcl1	**0.72883**	1555

chr13	23751088	23751592	Hist1h2ab	**0.72869**	1564
chr2	122298900	122302885	Duoxa2	**0.72862**	4930
chr2	122594473	122611277	Gatm	**0.72842**	7297
chr6	113531682	113596285	Fancd2	**0.72752**	14780
chr17	57189474	57194181	Tnfsf14	**0.72689**	5774
chr6	83156404	83162975	1700003E16Rik	**0.72687**	6333
chr15	78282508	78305721	Csf2rb2	**0.72528**	14417
chr9	104098138	104126581	Ackr4	**0.72414**	6300
chr16	4616466	4624946	Pam16	**0.72377**	1698
chr11	96795332	96798156	Gm11517	**0.72343**	2100
chr2	181227615	181242027	Helz2	**0.72304**	31065
chr18	88971790	89131014	Rttn	**0.72242**	22168
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chr16	34690616	34725194	Ccdc14	**0.72185**	12600
chr2	155941025	155945364	Gdf5	**0.72162**	7100
chr11	106654218	106715281	Pecam1	**0.71982**	10111
chr13	77135536	77613679	2210408I21Rik	**0.71889**	15124
chr11	72498156	72550246	Spns3	**0.71841**	5554
chr2	153341157	153345810	2500004C02Rik	**0.71838**	5795
chr7	24978169	25005937	Atp1a3	**0.71835**	10985
chr7	24254794	24262444	Zfp108	**0.71812**	8030
chrX	161836430	162159441	Nhs	**0.7178**	16419
chr7	43562370	43575461	Zfp658	**0.71742**	10309
chr9	108568777	108568861	Mir425	**0.71694**	259
chr11	106318593	106349390	Scn4a	**0.71621**	20084
chr9	104002544	104043811	Nphp3	**0.71604**	19556
chr1	174011998	174031755	Ifi205	**0.71462**	4899
chr2	93833467	93849943	Accs	**0.71415**	12663
chr11	83175186	83190216	Slfn4	**0.71389**	12009
chr8	84043067	84044979	Rln3	**0.71379**	1441
chr3	104781056	104786017	Ppm1j	**0.71352**	5216
chr1	120067377	120073780	Tmem37	**0.7135**	3084
chr9	50751072	50752354	Hspb2	**0.71267**	1781
chr7	28451985	28467548	Lrfn1	**0.7124**	8387
chrX	36328409	36366856	Lonrf3	**0.7119**	22299
chrX	51386637	51681602	Hs6st2	**0.71185**	14498
chr17	13716436	13761394	Tcte2	**0.71104**	4255
chr7	35685500	35754454	Dpy19l3	**0.71096**	23179
chr10	80948624	81014925	Gng7	**0.70977**	10543
chr10	128913591	128919297	Rdh5	**0.70941**	3799
chr15	103248212	103258403	Nfe2	**0.7073**	8396
chr7	30355514	30362772	Lrfn3	**0.70718**	8599
chr10	17796219	17845663	Txlnb	**0.70718**	13396
chr1	153899926	153899928	Mir8114	**0.70586**	9
chrX	136213972	136215513	Bex1	**0.70505**	2595
chr5	110110092	110129794	Zfp605	**0.70482**	9460
chr7	139212988	139242973	Lrrc27	**0.70452**	7851

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chr3	101275908	101287939	Cd2	**0.70401**	3423
chr9	122923078	122931028	Zfp105	**0.70399**	5996
chr4	62427542	62434726	Rnf183	**0.70385**	4200
chr3	105704599	105720842	Fam212b	**0.70375**	14300
chr15	78755883	78773445	Mfng	**0.70304**	5480
chr3	135307700	135342767	Slc9b2	**0.70272**	6699
chr15	78523346	78529651	C1qtnf6	**0.70201**	6749
chr11	95140447	95145801	Dlx4	**0.70167**	5192
chr2	58129139	58160122	Cytip	**0.7016**	17101
chr6	115840697	115853341	Mbd4	**0.70002**	10663
chr9	119402501	119433506	Acvr2b	**0.69922**	5055
chr10	75893398	75895941	Derl3	**0.69917**	3970
chr3	95160420	95174050	Sema6c	**0.6983**	12287
chr7	24112320	24127952	Zfp112	**0.69754**	10397
chr13	108316337	108389557	Depdc1b	**0.69749**	7500
chr17	66336982	66449750	Mtcl1	**0.69717**	21565
chrX	7411817	7422988	2010204K13Rik	**0.69641**	2800
chr5	144190286	144194441	Bhlha15	**0.69617**	10338
chr9	36843659	36878640	Fez1	**0.69488**	3795
chr2	84839408	84863586	Slc43a1	**0.69468**	8633
chr2	18025189	18037741	A930004D18Rik	**0.69398**	7825
chr5	149006962	149012776	Gm15408	**0.69358**	4065
chr6	129267325	129275369	Cd69	**0.69352**	4775
chr6	124904359	124911705	Lag3	**0.69294**	5899
chr14	59320964	59341330	Phf11b	**0.69251**	3423
chr6	24748367	24766519	Hyal4	**0.69088**	6131
chr2	129297370	129307826	Gm14023	**0.69062**	4576
chr7	104315031	104324838	Gm15133	**0.69031**	2441
chr4	43668971	43692667	Tmem8b	**0.6894**	13988
chr11	69622109	69623869	Sat2	**0.68932**	2584
chr5	35757880	35884979	Ablim2	**0.68929**	11018
chr15	6299789	6440709	Dab2	**0.68888**	13550
chr19	4886882	4906627	Bbs1	**0.68779**	16361
chr15	96994823	97055956	Slc38a4	**0.68761**	11491
chrX	8081466	8090491	Was	**0.68721**	6116
chr2	4717831	4802146	Bend7	**0.68667**	11198
chr5	120680264	120711669	Dtx1	**0.68553**	10824
chr1	175880778	175911396	Exo1	**0.68505**	16031
chr2	177498226	177512311	Gm14403	**0.68469**	10802
chr19	11443558	11463548	Ms4a4b	**0.68435**	3659
chr17	15543079	15563323	Prdm9	**0.68417**	10061
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chr7	101899808	101906359	Tomt	**0.68398**	4125
chr11	54839289	54860591	Lyrm7	**0.68385**	6336
chr5	38668484	38684826	Zfp518b	**0.68378**	20000
chr17	94864918	94878321	Gm20939	**0.68301**	7231

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chr19	4003385	4007005	Doc2g	**0.68296**	4055
chr7	127932638	127946725	Prss36	**0.68257**	8880
chr13	58806569	59133970	Ntrk2	**0.68218**	40698
chr13	4233740	4248359	Akr1c19	**0.68124**	3596
chr3	146457203	146499753	Spata1	**0.68087**	5067
chr12	111572317	111574402	2810029C07Rik	**0.6807**	5653
chr17	26199183	26201350	Arhgdig	**0.6801**	2983
chr19	5068078	5070639	Cd248	**0.6796**	7400
chr16	17233587	17263430	Hic2	**0.67899**	18293
chr1	136467848	136530819	Kif14	**0.67872**	24052
chr15	75754447	75841908	Zc3h3	**0.67844**	9625
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chr19	10018228	10035586	Rab3il1	**0.67726**	6678
chr10	62947029	62974188	Dna2	**0.67664**	11854
chrX	94234930	94273515	Klhl15	**0.67646**	14838
chr17	22144359	22165977	Zfp947	**0.67489**	7627
chr14	46084027	46084957	Gm1821	**0.6744**	2015
chr1	106980984	107001195	Serpinb13	**0.67351**	4600
chr10	20347819	20361669	Mtfr2	**0.67302**	6599
chr4	140810993	140817511	Gm13032	**0.67296**	2291
chr7	82867333	82871576	Mex3b	**0.67266**	9766
chr6	92772699	92901441	Adamts9	**0.67265**	17256
chrX	9199973	9268085	Lancl3	**0.67261**	11206
chr4	5644179	5799944	Fam110b	**0.67225**	5700
chr3	88364589	88368541	Paqr6	**0.67205**	4770
chr13	21478849	21485505	Zkscan4	**0.67147**	7009
chr14	34345055	34345658	Gm3219	**0.67119**	1723
chr11	71031941	71033617	6330403K07Rik	**0.67097**	4557
chr15	89182213	89196474	Dennd6b	**0.6706**	13142
chr2	177935993	177957288	Gm14326	**0.66888**	9404
chr9	44273190	44288244	Abcg4	**0.6668**	10276
chr15	75993769	75999153	Mapk15	**0.66673**	5469
chrX	7372591	7375830	Usp27x	**0.66658**	9179
chr1	53061663	53068079	Mstn	**0.66621**	7594
chr3	145758692	145894277	Ddah1	**0.66561**	10600
chr11	11930499	12037420	Grb10	**0.66531**	14585
chr7	3712505	3720382	Pirb	**0.66507**	7711
chr18	74195299	74207818	Ska1	**0.66478**	7541
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chr13	62516797	62558599	Zfp934	**0.6638**	6881
chr14	66802864	66868600	Dpysl2	**0.66339**	12496
chr12	51593341	51605773	Coch	**0.66324**	7002
chr4	141213956	141220114	Rsg1	**0.66306**	2680
chr8	111127444	111145498	9430091E24Rik	**0.66261**	7001
chr8	84030296	84042575	Il27ra	**0.66215**	7452
chr8	40862367	40922070	Slc7a2	**0.66181**	22100

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chr16	11254368	11254445	Mir1945	**0.66062**	219
chr6	48571783	48572670	Rarres2	**0.66003**	1080
chr18	84610509	84650095	Cndp1	**0.65937**	7928
chr8	104170513	104219097	Bean1	**0.65868**	9493
chr10	85928491	85929647	Ascl4	**0.65868**	3239
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chr4	11558920	11615808	Rad54b	**0.65728**	8171
chr7	114718643	114723365	Calcb	**0.6567**	2685
chr7	42660108	42692718	Gm5595	**0.65641**	8774
chr5	71569734	71658308	Gabra4	**0.65627**	11500
chr11	69935899	69941599	Ybx2	**0.65622**	4362
chr4	43631935	43651240	Npr2	**0.65573**	10189
chr9	49436961	49486225	Ttc12	**0.65557**	10114
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chr9	50533087	50555138	Bco2	**0.6537**	5765
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chr10	94790866	94944578	Plxnc1	**0.65276**	19545
chr5	107331194	107387058	Brdt	**0.65261**	13064
chr11	97989580	97996173	Arl5c	**0.65235**	4328
chr12	76580488	76710547	Sptb	**0.6521**	28807
chr8	84415364	84640249	Cacna1a	**0.65194**	21873
chr5	8798147	8866314	Abcb1b	**0.65089**	12017
chr17	55952623	55957022	Ebi3	**0.6505**	2491
chr6	4674350	4747204	Sgce	**0.65027**	5182
chr18	49696145	49755601	Dtwd2	**0.65005**	8689
chr7	44525995	44532071	Spib	**0.65004**	7697
chr7	80862108	80876513	Zscan2	**0.64843**	6300
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chr11	102348820	102365281	Slc4a1	**0.64733**	12518
chr2	152754173	152765037	Cox4i2	**0.64728**	2000
chr6	124864693	124888209	Cd4	**0.64619**	8500
chr4	141420779	141425310	Hspb7	**0.64602**	7600
chr12	79297282	79814690	Rad51b	**0.6459**	7788
chr9	123767211	123783457	Ccr9	**0.64554**	12050
chr14	22019712	23056088	1700112E06Rik	**0.64439**	2495
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chr8	94902869	94918098	Ccdc102a	**0.64285**	6295
chr18	37714834	37717374	Pcdhga7	**0.64271**	6941
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chr5	137288254	137294466	Ache	**0.64151**	6031
chr18	38993145	39376285	Arhgap26	**0.64146**	21535
chr13	60934155	60936625	Ctla2a	**0.64139**	3800

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chr7	125603429	125633570	Il21r	**0.64079**	7100
chr12	118231686	118301440	Sp4	**0.64061**	24534
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chr14	45351186	45376420	Styx	**0.63975**	10316
chr19	10789339	10830058	Cd6	**0.63902**	8240
chr12	104263122	104269365	Serpina3i	**0.63859**	5952
chr11	53785489	53859256	Gm12216	**0.63805**	3124
chr2	153222370	153225441	Tspyl3	**0.63571**	8300
chr3	7572077	7613427	Il7	**0.63551**	6685
chr11	90476493	90638108	Stxbp4	**0.63521**	16220
chr18	37747188	37749605	Pcdhga10	**0.63512**	6527
chr7	141438515	141443355	Pidd1	**0.63471**	7823
chr6	82877866	82881853	2310069B03Rik	**0.63454**	4938
chr4	46039222	46114745	Tmod1	**0.63382**	4267
chr4	11704447	11714993	Gem	**0.63372**	6079
chr4	112385969	112433985	Skint9	**0.63298**	3691
chr14	121952331	121965193	Gpr183	**0.63181**	7900
chr19	59260878	59296012	Slc18a2	**0.63168**	10210
chr1	173896341	173913046	Mnda	**0.63129**	4800
chr13	67194506	67209298	Zfp455	**0.63116**	7275
chr12	76417599	76439491	Ppp1r36	**0.63105**	3897
chr8	85053160	85060460	A230103J11Rik	**0.63079**	3823
chr7	127442136	127449158	Zfp689	**0.6301**	9697
chr6	118427319	118455506	Zfp248	**0.63009**	9804
chr4	48279760	48431953	Invs	**0.62988**	15452
chr6	112473684	112489808	Oxtr	**0.62979**	12227
chr4	34711332	34730206	1700003M02Rik	**0.62963**	4592
chr5	134702596	134747254	Eln	**0.62845**	10099
chrX	140007673	140062568	Nup62cl	**0.62806**	3011
chr7	122107262	122132946	Palb2	**0.62757**	10533
chr6	107529726	107570228	Lrrn1	**0.62643**	10000
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chrX	10158216	10216795	Rpgr	**0.62591**	17959
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chr3	40846999	40875609	Gm2011	**0.62467**	2108
chr6	55170627	55174990	Inmt	**0.62444**	2715
chr19	43440436	43497213	Cnnm1	**0.6244**	13375
chr2	25291194	25319187	Grin1	**0.62397**	7139
chr1	170644532	170682789	Olfml2b	**0.62338**	8200
chr3	159495433	159529955	Depdc1a	**0.62309**	8800
chr3	95236920	95241109	Gm128	**0.62039**	3876
chr3	82892582	82903974	Lrat	**0.62009**	14097
chr14	30879257	30881610	Mustn1	**0.61965**	3105
chr6	40574898	40585805	Clec5a	**0.61895**	10049
chr8	25808513	25815982	Star	**0.61884**	10539

chr10	79716634	79736108	Hcn2	**0.6186**	8400
chr11	106374826	106377114	2310007L24Rik	**0.61849**	2074
chr7	44986900	44994601	Gm15545	**0.61779**	2392
chr17	69416447	69419192	C030034I22Rik	**0.61667**	7197
chr17	12888902	12910000	Pnldc1	**0.61601**	4422
chr2	19655806	19657897	Gm3230	**0.61577**	5475
chr1	86154780	86278284	Armc9	**0.61571**	13754
chr4	141404357	141415988	Clcnkb	**0.61557**	6122
chr12	105705982	105782447	Ak7	**0.61526**	8088
chr1	135434580	135585355	Nav1	**0.61501**	33371
chr7	122289125	122634401	Prkcb	**0.61462**	23063
chr8	39581700	39642678	Msr1	**0.61364**	10427
chr15	83353847	83367297	1700001L05Rik	**0.61156**	15603
chr16	55899888	55934848	Cep97	**0.6111**	21357
chr14	31014293	31014351	Snord69	**0.61015**	153
chr5	148871584	148928647	Katnal1	**0.60991**	15960
chrX	134756568	134761456	Armcx3	**0.60932**	8766
chr19	8802496	8804854	Zbtb3	**0.60929**	5363
chr14	78569609	78725089	Dgkh	**0.6091**	11991
chr6	48764464	48770851	Gimap3	**0.60879**	5550
chr11	102268823	102278061	Asb16	**0.60809**	3520
chr8	70629394	70631635	Gdf15	**0.60775**	2800
chr1	171121661	171126967	1700009P17Rik	**0.60665**	2666
chr2	25085720	25095205	Noxa1	**0.60623**	4174
chr19	56320090	56390038	Nrap	**0.60563**	14036
chr7	45725107	45725816	Spaca4	**0.60545**	1827
chr3	108212266	108226599	Sypl2	**0.60536**	8354
chr11	100262882	100269871	Krt42	**0.60472**	3976
chr7	100503020	100514815	Dnajb13	**0.60376**	2933
chr10	41538849	41587753	Ccdc162	**0.6029**	7044
chr1	162829561	162866548	Fmo1	**0.60238**	5955
chr9	50662753	50727984	Dixdc1	**0.60195**	14626
chr13	49608071	49624500	Ogn	**0.60184**	6497
chr18	89197427	89270327	Cd226	**0.60151**	6358
chr17	47695207	47704286	Frs3	**0.60056**	5036
chr2	105657862	105661343	Paupar	**0.60045**	8886
chr7	30589681	30592942	Zbtb32	**0.60035**	4529
chr1	136052901	136119822	Cacna1s	**0.59958**	15914
chr19	45027105	45045772	Pdzd7	**0.59956**	9441
chr7	12977848	12985716	Zfp446	**0.59827**	12495
chr1	86045863	86055456	2810459M11Rik	**0.59814**	8468
chr14	64104323	64113751	Prss52	**0.59799**	2600
chr8	122625136	122699109	Cbfa2t3	**0.59797**	20240
chr6	38123174	38254009	D630045J12Rik	**0.59724**	27188
chr1	175662421	175692632	Opn3	**0.59587**	4480
chr15	85017141	85022560	Upk3a	**0.59567**	2800
chr19	12585868	12596566	A330040F15Rik	**0.59567**	2800

chr3	96433788	96452306	BC107364	**0.59441**	2928
chr4	100095791	100442545	Ror1	**0.59367**	8937
chr17	34629686	34632260	Prrt1	**0.59295**	2321
chr11	115116214	115133992	Cd300lf	**0.59228**	4745
chrX	99042581	99074728	Stard8	**0.59208**	12489
chr3	63295435	63383713	Mme	**0.59166**	16061
chr7	45324958	45325651	Rpl14-ps1	**0.59161**	1745
chr7	24227795	24237598	Zfp109	**0.5916**	6907
chr3	95217457	95226658	Gm16740	**0.59133**	1234
chr16	17797282	17808287	Scarf2	**0.59114**	8296
chr1	176834624	176836133	Hmga2-ps1	**0.59087**	3792
chr5	135023572	135051099	Stx1a	**0.59078**	5200
chr17	40598594	40602617	Esp4	**0.59078**	1386
chr18	4634929	4682869	9430020K01Rik	**0.59072**	16899
chr11	24481909	24569951	4933430M04Rik	**0.59028**	1864
chr5	81021593	81795730	Lphn3	**0.59016**	14578
chr1	171419033	171420352	Tstd1	**0.58929**	1380
chr8	20385782	20424814	2610005L07Rik	**0.58913**	10038
chr17	34613450	34615971	Egfl8	**0.58889**	2638
chr3	107926334	107931745	Gstm7	**0.58885**	3266
chr15	39076932	39087119	Cthrc1	**0.5862**	2900
chr4	62452632	62470895	Wdr31	**0.58597**	6368
chr19	42045851	42070939	Hoga1	**0.58527**	4067
chr3	129677575	129740041	Egf	**0.58437**	10558
chr1	162639150	162649694	Myoc	**0.58425**	4934
chr10	53278081	53379851	Cep85l	**0.5838**	6677
chr11	100545632	100572566	Ttc25	**0.58379**	6992
chr13	23570663	23571220	Hist1h2ae	**0.58358**	1384
chr12	40446053	40846488	Dock4	**0.58322**	19991
chr11	77089915	77188968	Efcab5	**0.58316**	11535
chr18	36528152	36556272	Slc4a9	**0.58315**	8516
chr18	38586265	38601268	Spry4	**0.58309**	11375
chr5	98254184	98277033	Fgf5	**0.58258**	6200
chr6	85587531	85702751	Alms1	**0.58254**	24719
chr9	21526177	21545331	AB124611	**0.58183**	3232
chr4	116807734	116819431	Mutyh	**0.58158**	4291
chr7	100643896	100662394	Plekhb1	**0.58124**	5499
chr8	69654556	69664453	Zfp964	**0.58119**	4298
chr8	70808449	70821423	Il12rb1	**0.58109**	7093
chr12	50341232	50649223	Prkd1	**0.58046**	9318
chr13	83504034	83667079	Mef2c	**0.58046**	16196
chr17	6308315	6317474	Dynlt1a	**0.5796**	7326
chr11	49794155	49838620	Gfpt2	**0.57939**	7353
chr8	104628066	104631321	Rrad	**0.57903**	3876
chr16	10835059	10843235	Rmi2	**0.57887**	9199
chr4	120588745	120609672	Gm8439	**0.57783**	1029
chr7	79792241	79793590	Mesp1	**0.57762**	2644

chr5	136218149	136244903	Sh2b2	**0.5774**	6989
chr1	75220095	75232093	A630095N17Rik	**0.57733**	1882
chr5	123930689	123969895	Ccdc62	**0.57718**	9616
chr11	116336345	116413032	Rnf157	**0.57697**	11415
chr11	5900821	5950081	Gck	**0.57677**	7104
chr11	46054502	46147347	Adam19	**0.57629**	15766
chr17	67842708	68004108	Arhgap28	**0.57576**	13006
chr10	127667123	127668851	1700012D01Rik	**0.57552**	1700
chr6	142587862	142702274	Abcc9	**0.57547**	18050
chr15	77729072	77736382	Apol9b	**0.57531**	3900
chr3	95734911	95734973	Mir7014	**0.57515**	154
chrX	136822746	136838582	Plp1	**0.57491**	8486
chr10	41490439	41514288	Ppil6	**0.57481**	2614
chr8	117095865	117133720	Bco1	**0.57447**	6182
chr15	76704243	76710559	Recql4	**0.57424**	8542
chr10	119454034	120087260	Grip1	**0.57312**	11480
chr11	29744415	30026033	Eml6	**0.57242**	16339
chr19	58235581	58455398	Gfra1	**0.572**	11302
chr3	95004168	95004239	Mir7013	**0.57188**	175
chr9	98562460	98563611	4930579K19Rik	**0.57188**	2800
chr15	80287238	80398292	Cacna1i	**0.57123**	23778
chr5	124250959	124327972	Mphosph9	**0.57021**	18886
chr6	116650684	116652847	8430408G22Rik	**0.56991**	3190
chr17	71252176	71310965	Emilin2	**0.5689**	9454
chr4	98754892	98817537	Kank4	**0.56884**	11607
chr9	71215789	71296243	Aldh1a2	**0.56858**	5471
chr8	84208518	84208592	Mir23a	**0.56783**	181
chr11	94755136	94761182	Gm11545	**0.56782**	6499
chr11	86058136	86201193	Brip1	**0.56669**	16698
chrX	150589921	150643878	Pfkfb1	**0.5665**	4187
chr2	14070333	14073934	Stamos	**0.56646**	1926
chr8	105566695	105579845	Agrp	**0.56627**	2077
chr5	86071828	86103993	Stap1	**0.56626**	2734
chr13	56173703	56178885	Tifab	**0.56595**	8260
chr16	18776847	18778262	Cldn5	**0.56496**	3400
chr18	37707229	37709652	Pcdhga6	**0.56473**	5818
chr5	75152291	75198204	Pdgfra	**0.56449**	16091
chr5	34574151	34574213	Mir7036b	**0.56394**	151
chr10	127501717	127508815	Stac3	**0.56298**	4283
chr4	126340678	126429542	Ago3	**0.56198**	18236
chr4	62559847	62703019	Rgs3	**0.56196**	17440
chr17	73493751	73710451	Galnt14	**0.56185**	5891
chr16	36603869	36666077	Cd86	**0.56176**	6062
chr6	88547722	88627448	Kbtbd12	**0.56172**	4875
chr11	68432125	68497846	Pik3r5	**0.56101**	10403
chr9	32422204	32541452	Fli1	**0.56084**	7568
chr9	62419492	62537044	Coro2b	**0.55954**	8585

chr15	80078503	80078579	Snord83b	**0.55919**	183
chr6	34780432	34859459	Agbl3	**0.55872**	13286
chr6	8507059	8509161	A430035B10Rik	**0.55808**	4592
chr11	70018605	70045531	Dlg4	**0.55653**	7867
chr17	21816876	21845759	Zfp820	**0.55578**	8728
chr9	51839493	51875885	Arhgap20os	**0.55565**	3122
chr3	94693573	94704406	Selenbp2	**0.55525**	4000
chr11	116672505	116672582	Snord1c	**0.55504**	184
chr17	8236043	8257129	Ccr6	**0.5544**	4901
chr15	77403789	77411080	Apol9a	**0.55344**	3700
chr19	34067358	34084918	Lipn	**0.55344**	3533
chr6	48739047	48743795	Gimap1	**0.55281**	3536
chr9	72925650	72946015	Pygo1	**0.55269**	4099
chr1	75198235	75210778	Glb1l	**0.55267**	6490
chr17	37193892	37196101	Ubd	**0.55244**	2200
chr1	176733653	176807124	Cep170	**0.55226**	16266
chr2	102550021	102643040	Pamr1	**0.55186**	6694
chr4	112081470	112168076	Skint4	**0.55158**	9370
chr3	28781311	28798846	Eif5a2	**0.55146**	11700
chr10	12916646	12923127	B230208H11Rik	**0.55139**	2770
chr3	90064425	90068347	1700094D03Rik	**0.55096**	6950
chr3	129269177	129332749	Enpep	**0.55087**	9852
chr10	81497745	81500137	S1pr4	**0.55061**	5600
chr2	176798600	176808704	Gm14295	**0.55026**	3066
chr9	54950257	54950954	AY074887	**0.55021**	1527
chr7	30036359	30051396	Zfp14	**0.55017**	8163
chr17	34972703	34979228	Hspa1l	**0.54988**	5644
chr7	43437138	43438246	Nkg7	**0.54987**	1900
chr2	32646595	32682608	Eng	**0.54965**	8202
chr3	36475937	36482299	1810062G17Rik	**0.54883**	2125
chr8	123840844	123860209	Ccsap	**0.54812**	6227
chr8	116505015	116515915	Dynlrb2	**0.54733**	1198
chr14	34194441	34201633	Gprin2	**0.54729**	3724
chr10	127048246	127053006	Cyp27b1	**0.54677**	5626
chr2	44983512	45113098	Zeb2	**0.54636**	20662
chr6	3962595	3968354	Tfpi2	**0.54609**	3500
chr14	55757842	55758424	Cideb	**0.54457**	736
chr4	106483458	106492243	Bsnd	**0.54453**	6281
chr2	165503897	165519917	Slc2a10	**0.54423**	7943
chr19	42725858	42752775	Pyroxd2	**0.54405**	7212
chr2	166793767	166799492	Trp53rk	**0.54383**	10200
chr5	108132914	108232949	Ccdc18	**0.54383**	10764
chr5	138165321	138165404	Mir25	**0.5434**	194
chr1	150100124	150108012	Ptgs2	**0.54329**	9571
chr9	50617465	50625000	Pih1d2	**0.54296**	2573
chr4	9770585	9823411	4930412C18Rik	**0.54266**	9154
chr4	43482083	43483709	Sit1	**0.54247**	2769

chr6	13835074	13839848	Gpr85	**0.54202**	6798
chr15	56689944	56693993	Has2os	**0.54202**	698
chr1	184033032	184033998	1700056E22Rik	**0.54138**	2225
chr15	13034200	13173639	Cdh6	**0.54075**	6049
chr3	116110020	116129688	Vcam1	**0.5401**	7800
chr1	173920403	173942492	Ifi203	**0.54004**	8699
chr2	144265982	144266202	Snord17	**0.53978**	507
chr10	23785754	23785821	Snord100	**0.53978**	156
chr10	39134023	39150970	Tube1	**0.53973**	6517
chr7	6383318	6396637	Zfp28	**0.53907**	9499
chr2	91035627	91045729	Rapsn	**0.53898**	3711
chr2	128298663	128429351	Gm14005	**0.53896**	10285
chr6	129591811	129598775	Klrd1	**0.53877**	1983
chr14	50956141	50964749	Pnp2	**0.53868**	2800
chr12	11090202	11150842	Kcns3	**0.53826**	6998
chr14	54369670	54417679	Slc7a7	**0.53756**	5152
chr3	107467548	107518018	Slc6a17	**0.53732**	14426
chr4	155761192	155763560	Atad3aos	**0.53676**	1549
chr9	106892825	107231909	Dock3	**0.5366**	20669
chr10	7832470	7870397	Zc3h12d	**0.53519**	9310
chr2	120031502	120031574	Jmjd7-pla2g4b	**0.53504**	166
chr11	94501347	94521502	Mycbpap	**0.53494**	6657
chr6	60731573	60829855	Snca	**0.53488**	3344
chr9	67830532	67832330	C2cd4a	**0.53479**	3073
chr4	155469114	155470858	Tmem52	**0.53475**	2200
chr19	27761721	28011166	Rfx3	**0.53448**	21219
chr8	93056727	93080017	Ces1b	**0.53428**	4462
chr11	94962777	94976327	Sgca	**0.53353**	3941
chr4	140906360	140952586	Padi2	**0.53352**	10451
chr15	100674422	100687920	Cela1	**0.53312**	2506
chr14	31139125	31168641	Stab1	**0.53263**	17854
chr4	73939371	73950846	2310002L09Rik	**0.53261**	4885
chr11	79481723	79484031	AU040972	**0.53223**	2348
chr2	126593660	126618678	Hdc	**0.53217**	5426
chr17	13487021	13554094	2700054A10Rik	**0.53162**	9824
chr11	78503513	78505081	Sebox	**0.531**	2900
chr11	58379032	58390541	Lypd8	**0.53088**	2500
chr7	30240138	30280421	Wdr62	**0.52994**	10685
chr1	80501068	80758553	Dock10	**0.5299**	17008
chr13	32881397	32898140	Serpinb1c	**0.52973**	3600
chr7	142650768	142661035	Igf2	**0.52971**	9316
chr6	61175604	61180810	A730020E08Rik	**0.52965**	3739
chr1	171632403	171653037	Slamf7	**0.52932**	8947
chr10	58497937	58576244	Ccdc138	**0.52878**	5542
chr5	15934691	16374511	Cacna2d1	**0.52873**	16838
chr2	181384250	181387596	Slc2a4rg-ps	**0.52865**	6709
chr13	38006052	38036937	Cage1	**0.52862**	6421

chr17	7170115	7303316	Rps6ka2	**0.52858**	12147
chr4	48663514	48673492	Murc	**0.52836**	4590
chr14	70372480	70429094	Piwil2	**0.52809**	11027
chr11	9016054	9039591	Sun3	**0.5277**	2642
chr3	127553489	127618023	Zgrf1	**0.52703**	15787
chr5	123876736	123880020	Hcar1	**0.52666**	7353
chr15	74732252	74734313	Lypd2	**0.52605**	1100
chr16	92058322	92087473	Slc5a3	**0.52568**	24058
chr6	48701583	48708244	Gimap6	**0.52531**	3599
chr10	81606308	81609836	BC025920	**0.5251**	4218
chr2	177464742	177479194	Gm14420	**0.52466**	10400
chr4	107802259	107876840	Lrp8	**0.52462**	13309
chr2	150218099	150244874	Zfp937	**0.52331**	15391
chr11	120361534	120368173	Fscn2	**0.52248**	3815
chrX	105040854	105070124	5530601H04Rik	**0.52234**	8285
chr5	87925633	87932264	Csn3	**0.52229**	3545
chr5	143357338	143391798	Grid2ip	**0.522**	9369
chr2	92974906	93046144	Prdm11	**0.52128**	4143
chr11	114982446	114989886	Cd300ld	**0.52126**	5399
chr13	59769966	59773680	Etohd2	**0.52093**	4769
chr9	77366412	77399416	5730403I07Rik	**0.52074**	4495
chr7	30603092	30612734	Upk1a	**0.5204**	2893
chr5	129654595	129670088	Zfp11	**0.51984**	8652
chr6	28828126	28831747	Lrrc4	**0.51969**	8000
chr1	135108498	135132575	Ptprv	**0.51965**	13428
chr13	33832345	33843408	Serpinb6e	**0.51955**	3299
chr13	67096613	67114028	Rslcan18	**0.51953**	6176
chr6	59352461	59426290	Gprin3	**0.5193**	6842
chr10	4612046	5003761	Esr1	**0.51917**	9530
chr2	27886425	28039510	Col5a1	**0.51787**	18493
chr11	113203315	113209669	4732490B19Rik	**0.51771**	5382
chr6	60944317	60989378	Mmrn1	**0.51767**	10200
chr5	137821952	137836278	Pilra	**0.51741**	4662
chrX	153238045	153396134	Klf8	**0.51735**	9800
chr7	30729779	30743681	Gapdhs	**0.51687**	3528
chr15	58314573	58324169	Klhl38	**0.51589**	4850
chr15	10177238	10349180	Prlr	**0.51518**	29373
chr7	43527456	43533171	Cd33	**0.51514**	5629
chr2	67446002	67526604	Xirp2	**0.51504**	26200
chr1	136411916	136415519	9230116N13Rik	**0.51475**	4253
chr11	5106266	5152222	Emid1	**0.51441**	4178
chr15	102523839	102524621	Npff	**0.51436**	975
chr8	90247112	90348252	Tox3	**0.51427**	6979
chr13	49230831	49248706	Susd3	**0.51406**	3133
chr10	116950562	116963279	4933412E12Rik	**0.5137**	3764
chr3	100922493	100936925	Trim45	**0.51365**	12664
chr5	37242058	37292163	Crmp1	**0.51317**	7494

chr15	99670718	99701128	Asic1	**0.51206**	10962
chr13	114835912	114932041	Itga2	**0.51185**	9176
chr11	76217613	76218665	Dbil5	**0.5115**	1250
chr1	60909025	60915832	Ctla4	**0.51111**	4199
chr15	98567324	98570864	9330020H09Rik	**0.51104**	7337
chr10	76253836	76261319	S100b	**0.50996**	3600
chrY	90785442	90816465	Erdr1	**0.50994**	1684
chr15	5118421	5118480	Snord72	**0.50979**	130
chr6	99692679	99693818	Gpr27	**0.50958**	2469
chr6	124760055	124769509	Eno2	**0.50921**	5694
chr19	39061006	39093948	Cyp2c65	**0.50912**	4200
chr16	10480072	10527564	Ciita	**0.5081**	12294
chr17	13108617	13131791	Unc93a	**0.50734**	5699
chr19	47178820	47259441	Neurl1a	**0.50663**	9500
chr2	52136647	52338798	Neb	**0.50637**	48277
chr18	20684599	20746404	B4galt6	**0.50631**	12498
chr1	161017756	161034259	Zbtb37	**0.50602**	8351
chr11	83293430	83294644	AI450353	**0.50483**	2137
chr1	71027535	71102972	Bard1	**0.50482**	11689
chr5	107437997	107491596	Btbd8	**0.5046**	2432
chr7	29859979	29877302	Zfp420	**0.50431**	7146
chr10	60181528	60219260	Chst3	**0.5043**	13100
chr3	151730923	151749959	Ifi44	**0.50399**	6229
chr4	16164110	16266225	A530072M11Rik	**0.50386**	3966
chr8	21839926	21843481	Defb2	**0.50386**	651
chr4	115518287	115533649	Cyp4a10	**0.50362**	4465
chr13	67779693	67789080	Zfp493	**0.50329**	6999
chr1	12692430	12860372	Sulf1	**0.50318**	10402
chr6	122847140	122856157	C3ar1	**0.5027**	9185
chr4	141615136	141615604	AI507597	**0.50268**	1002
chr8	71406012	71409904	Ankle1	**0.50211**	4554
chr13	46501903	46650281	Cap2	**0.50164**	7799
chr6	83152710	83156379	Wdr54	**0.50103**	2698
chr9	66065176	66069731	Snx22	**0.50087**	4332
chr2	122280437	122298165	Duox2	**0.50018**	9681
chr14	116925297	117979529	Gpc6	**0.49962**	14397
chr17	34728381	34743897	C4b	**0.4995**	11449
chrX	107089335	107104970	P2ry10	**0.49937**	6000
chr3	51276761	51278407	4930577N17Rik	**0.49926**	2837
chr16	3847223	3858880	Zfp174	**0.49893**	12600
chr11	107703218	107716476	Cacng1	**0.49874**	2550
chr11	87377607	87404954	Rad51c	**0.49848**	7021
chr7	118872821	118972039	Iqck	**0.49821**	2596
chr13	48536012	48536114	Mirlet7d	**0.49799**	218
chr16	23110770	23110933	Snora81	**0.49783**	347
chr6	85910154	85915677	Cml1	**0.4978**	2139
chr13	55369732	55384687	Rgs14	**0.49744**	4981

chr14	70774381	70778494	Dok2	**0.49716**	3628
chr18	4353547	4368945	4833419F23Rik	**0.49702**	1861
chr15	57243771	57477625	Slc22a22	**0.49651**	4997
chr7	4922251	4925006	Nat14	**0.49626**	3400
chrX	160784308	160994681	Cdkl5	**0.49609**	6844
chr1	172581377	172590568	Slamf8	**0.49595**	4300
chr13	105147494	105293014	Rnf180	**0.49569**	7974
chr6	115810729	115838412	Efcab12	**0.49557**	5373
chr19	34550694	34576534	Ifit2	**0.49429**	8296
chr4	11966574	11994295	1700123M08Rik	**0.49419**	2239
chr7	46097123	46100764	Kcnj11	**0.49404**	5600
chr10	57784923	57788450	Fabp7	**0.49404**	1600
chr13	23698084	23698458	Hist1h4c	**0.49379**	787
chr19	25672411	25678991	Dmrt2	**0.49343**	4901
chr11	78920859	78960124	Nos2	**0.4931**	8362
chr9	110243783	110262576	Cspg5	**0.49234**	8100
chr5	105270702	105293699	Gbp6	**0.49124**	9011
chr7	104470014	104507849	Trim30d	**0.49117**	7845
chr11	75599646	75600231	Gm12338	**0.49105**	1223
chr6	113424634	113435760	Cidec	**0.49041**	3585
chr11	104231436	104332089	Mapt	**0.49026**	11210
chr2	173579320	173659539	Ppp4r1l-ps	**0.49002**	9301
chr9	100552188	100571085	Slc35g2	**0.48987**	3300
chr9	89909775	90026979	Rasgrf1	**0.48953**	9839
chrX	112600526	112635062	Zfp711	**0.489**	8999
chr4	42754525	42756518	Ccl19	**0.48888**	1496
chr19	54045182	54048982	Adra2a	**0.48865**	7894
chr13	21750145	21750553	Hist1h4k	**0.48783**	848
chr12	101746565	101819119	Fbln5	**0.48738**	12207
chr6	48628167	48633688	AI854703	**0.4873**	7400
chr8	35582503	35584612	Gm16793	**0.48687**	3197
chr14	57798189	57798217	Sap18	**0.4868**	60
chr16	55839953	55895279	Nxpe3	**0.48668**	13300
chr11	104132882	104175518	Crhr1	**0.48618**	5017
chr6	88198664	88207032	Gata2	**0.48603**	6699
chr11	85235166	85238304	D630032N06Rik	**0.48565**	1321
chr17	12741311	12859884	Airn	**0.48552**	4515
chr1	21398403	21961942	Kcnq5	**0.48534**	14398
chrX	20961676	20987349	A230072C01Rik	**0.48465**	4373
chr13	21467047	21468501	Nkapl	**0.48464**	2997
chr4	145829940	145831978	Znf41-ps	**0.48454**	4199
chr15	66670770	66850720	Tg	**0.48402**	17354
chr1	87386284	87394729	Kcnj13	**0.48383**	2774
chr11	120186650	120189856	2810410L24Rik	**0.48367**	3509
chr10	80852825	80855209	Lsm7	**0.48365**	962
chr13	32700827	32781779	Mylk4	**0.48326**	11586
chr5	52363804	52369738	Sod3	**0.48323**	4200

chrX	13632769	13640858	Gpr34	**0.48322**	3898
chr4	95959711	95967655	9530080O11Rik	**0.48286**	3183
chr11	76998597	77032343	Slc6a4	**0.48205**	5628
chr15	82221744	82224336	Tnfrsf13c	**0.48144**	3900
chr6	122727809	122742745	Slc2a3	**0.48133**	8099
chr7	45183676	45204892	Ccdc155	**0.48069**	4515
chr7	73313806	73375519	A730056A06Rik	**0.48017**	5057
chr2	10153543	10256529	Itih5	**0.4796**	16160
chr5	139352617	139357033	Cyp2w1	**0.47836**	3074
chrX	81070644	81097875	Tmem47	**0.47836**	8299
chr11	80477046	80481179	Cdk5r1	**0.47786**	8396
chr11	70166623	70170836	Clec10a	**0.47763**	3047
chr6	48684578	48692062	Gimap4	**0.47734**	2047
chr8	57774052	58911627	Galntl6	**0.47622**	10300
chr9	36890979	37147322	Pknox2	**0.47541**	7173
chr4	43875530	43944806	Reck	**0.47525**	8954
chr16	17139064	17144423	Ccdc116	**0.47501**	7819
chr4	48051248	48083352	Nr4a3	**0.4747**	3801
chr16	88758847	88759789	2310034C09Rik	**0.47407**	1900
chr13	75089987	75132498	Pcsk1	**0.47347**	5063
chr2	34874436	34892133	Cutal	**0.47332**	4651
chr7	28351540	28351633	AF357399	**0.47308**	189
chrX	95022507	95026682	Spin4	**0.473**	8395
chr6	47943175	47954549	Zfp783	**0.47297**	8487
chr4	152390740	152477549	Kcnab2	**0.4717**	7582
chr2	85753363	85754306	Olfr1010	**0.47133**	1875
chr15	73512560	73572242	Dennd3	**0.47066**	10600
chr9	15312611	15312669	Mir7650	**0.47058**	118
chr11	62603460	62603521	Snord49a	**0.47058**	124
chr11	103697724	103725573	C130046K22Rik	**0.47003**	6928
chr5	150522621	150570146	Brca2	**0.46996**	22237
chrX	12134454	12137470	2900008C10Rik	**0.46913**	2596
chr8	72204335	72212837	Cib3	**0.46875**	1287
chr4	111919555	111950356	Skint8	**0.46837**	2544
chr2	178066878	178078425	Zfp931	**0.46833**	3541
chr18	25477620	25753983	Celf4	**0.46769**	11012
chr9	109830154	109831431	3000002C10Rik	**0.46726**	2538
chr4	41390748	41464848	Kif24	**0.46692**	11109
chr4	132724904	132732546	Xkr8	**0.46674**	8407
chr18	52767811	52915931	Sncaip	**0.4665**	7899
chrX	160390690	160498076	Gpr64	**0.46623**	9341
chr10	86048746	86498896	Syn3	**0.4659**	23441
chr7	81534354	81566981	Fsd2	**0.46575**	5891
chr2	32587078	32599696	St6galnac4	**0.4651**	7895
chr6	72206177	72235577	Atoh8	**0.46468**	4651
chr7	16246743	16259540	C5ar1	**0.46441**	4897
chr3	154576520	154594534	Tyw3	**0.46311**	8184

chr14	67745229	67749436	Gnrh1	**0.46246**	1026
chr8	94923694	94943290	Gpr114	**0.46215**	5539
chr2	60411525	60412574	Gm13580	**0.46135**	1100
chr10	39621411	39732007	E130307A14Rik	**0.46124**	3262
chr7	43651070	43660161	Siglece	**0.46116**	3624
chr1	134037515	134048277	Fmod	**0.46086**	5600
chr9	44793779	44799216	Tmem25	**0.46008**	4603
chr14	29996168	30008896	Il17rb	**0.45973**	4027
chr16	30008667	30021430	4632428C04Rik	**0.45972**	4744
chr8	26814597	26824423	2310008N11Rik	**0.45889**	1100
chr1	193178164	193201546	Traf3ip3	**0.45884**	3637
chr2	167298445	167349178	B4galt5	**0.45882**	8198
chr9	51213690	51240079	Pou2af1	**0.45847**	5000
chr4	121316316	121324917	Gm12888	**0.45822**	2300
chr1	131527989	131539872	Fam72a	**0.45817**	4099
chr7	100285520	100319699	P4ha3	**0.45802**	4596
chr13	16014475	16027211	Inhba	**0.45796**	2976
chr9	7692111	7699416	Mmp7	**0.45718**	1706
chr9	48362041	48400025	Nxpe4	**0.45693**	6162
chr10	79860475	79874634	Lppr3	**0.45674**	7953
chr15	62037987	62250975	Pvt1	**0.45665**	5966
chr10	111298679	111301736	Bbs10	**0.45664**	5343
chr11	4064853	4078990	Sec14l3	**0.45656**	7622
chr4	148495280	148500462	Angptl7	**0.45643**	4000
chr7	45405960	45411382	Kcna7	**0.4559**	6770
chr1	85717083	85736606	A630001G21Rik	**0.45465**	3741
chr7	27153714	27158564	Cyp2t4	**0.45455**	2921
chr3	57425410	57441675	Tm4sf4	**0.45442**	2700
chr14	54631992	54641364	Cdh24	**0.45376**	5261
chrX	73639441	73643514	Dusp9	**0.45315**	5200
chr16	46035657	46120248	Cd96	**0.45267**	4196
chr6	71707681	71810705	Reep1	**0.45255**	7307
chr7	44384126	44400030	Syt3	**0.45211**	4800
chr15	85703773	85707524	Mirlet7bhg	**0.45206**	2515
chr8	71597646	71608149	Fam129c	**0.452**	4768
chr10	62659422	62726099	Stox1	**0.45199**	5959
chr11	62603086	62603148	Snord49b	**0.4519**	121
chr1	171225054	171226379	Apoa2	**0.45161**	1000
chr8	105312340	105326276	Lrrc29	**0.45161**	3691
chr7	111117673	111122675	1700012D14Rik	**0.4515**	1207
chr7	140809677	140822178	Zfp941	**0.45143**	7500
chr3	95898801	95904639	Car14	**0.45097**	2323
chr4	119205055	119218217	4930538K18Rik	**0.45024**	2878
chr18	60573717	60591716	Myoz3	**0.45014**	6499
chr7	4119533	4136241	Ttyh1	**0.45005**	7060
chr9	58156264	58159221	Islr	**0.44979**	4502
chr18	35713089	35721491	Ecscr	**0.44897**	2120

chr4	134561690	134704290	Man1c1	**0.44887**	8995
chr5	137293780	137293876	Mir8116	**0.44874**	185
chr13	100144063	100202122	Naip2	**0.44798**	9240
chr2	84936646	84958509	Slc43a3	**0.44796**	4952
chr1	171150713	171161123	Mpz	**0.44779**	3793
chr8	13037308	13056676	F10	**0.44768**	5124
chr2	33133419	33371494	Ralgps1	**0.44752**	11998
chr9	54365158	54501626	Dmxl2	**0.44741**	20183
chr5	136038496	136044993	Upk3b	**0.44735**	3871
chr5	87885695	87892742	Odam	**0.44648**	1649
chr13	21421275	21441053	Pgbd1	**0.44626**	6790
chr11	48945352	48946149	Psme2b	**0.4461**	1513
chr7	4007073	4063204	Lair1	**0.44565**	6652
chr9	54025606	54068411	Tnfaip8l3	**0.44541**	4212
chr11	101172998	101175443	Ccr10	**0.44493**	3262
chr12	91045848	91056635	5430427M07Rik	**0.44456**	1931
chr11	119390472	119390561	Mir1932	**0.44443**	170
chr13	66905415	66909166	Gm10767	**0.4438**	3116
chr13	119487257	119488384	3110070M22Rik	**0.44257**	1817
chrX	134086823	134111854	Nox1	**0.44238**	4063
chr7	110850607	110862953	Lyve1	**0.44224**	4900
chr10	60106257	60133913	Spock2	**0.44203**	7355
chr3	138526421	138526485	Mir1956	**0.44162**	122
chr3	108739658	108782309	Aknad1	**0.44138**	4883
chrX	17132049	17319368	Efhc2	**0.44045**	4781
chr15	97244074	97247287	Amigo2	**0.44013**	5262
chr1	44551671	44796836	Gulp1	**0.44006**	5566
chr6	65778962	65936377	Prdm5	**0.4393**	4074
chr7	44496588	44501134	Fam71e1	**0.43926**	1585
chr6	122952515	122969878	Clec4a3	**0.43891**	2481
chr5	113226909	113239263	Tmem211	**0.43877**	3407
chr5	137612505	137625078	Fbxo24	**0.43832**	4022
chr18	51117898	51304641	Prr16	**0.4381**	4141
chr4	117155771	117155848	Snord55	**0.43739**	145
chr1	58029969	58106410	Aox1	**0.43729**	8144
chr3	3508030	3659800	Hnf4g	**0.4368**	7760
chr13	30749258	30766927	Irf4	**0.43611**	8680
chr13	95477301	95478655	S100z	**0.43607**	556
chr16	19946492	19983049	Klhl6	**0.43594**	4456
chr7	45127383	45127463	Snord32a	**0.43572**	150
chr4	138967112	138968366	Rnf186	**0.43552**	2323
chr17	17064103	17089631	Zfp960	**0.43551**	2782
chr4	106442334	106464325	Pcsk9	**0.43547**	6500
chr11	82952102	82964850	Slfn5	**0.4348**	10925
chr1	17601901	17630939	Pi15	**0.43448**	12784
chr8	105860634	105860659	Nutf2	**0.43438**	48
chr7	29784790	29794540	Zfp30	**0.43434**	4807

chr3	59096448	59101821	Gpr171	**0.43356**	4100
chr15	66526212	66561046	Tmem71	**0.43333**	5398
chr10	79851377	79854971	E130317F20Rik	**0.43235**	6073
chr9	107581296	107587359	Hyal3	**0.43226**	3362
chr1	20951626	20990841	Efhc1	**0.432**	4054
chr10	22158609	22173250	Raet1a	**0.43164**	510
chr15	84167816	84189521	Pnpla3	**0.43115**	8519
chr3	32583528	32616535	Gnb4	**0.43072**	5036
chr15	35307010	35328535	BC048602	**0.43066**	1338
chr8	84086099	84086186	Mir709	**0.43047**	161
chr3	9250567	9285332	Zbtb10	**0.4296**	13599
chr1	132509425	132542940	Cntn2	**0.42937**	17400
chr7	102096879	102100229	Art5	**0.42912**	3126
chr4	152115934	152120119	Tnfrsf25	**0.42903**	3470
chr17	7926000	7934897	Tagap	**0.42873**	5605
chr14	59380833	59393512	Phf11c	**0.42855**	2896
chr11	83191330	83215154	Slfn3	**0.42834**	3306
chr9	37528089	37538319	Esam	**0.4273**	3367
chr3	89753456	89764632	Chrnb2	**0.42698**	9756
chr6	125552948	125686679	Vwf	**0.42663**	16018
chr13	55523235	55528538	Dok3	**0.42614**	2800
chr18	80294544	80364254	Kcng2	**0.42586**	5095
chr9	21165714	21213248	Pde4a	**0.42542**	9270
chr18	37955559	37957155	Rell2	**0.4254**	1309
chr2	84500748	84506873	Gm13710	**0.42522**	1500
chr13	113209659	113218104	Esm1	**0.42504**	3799
chr1	36562696	36683183	Fam178b	**0.42451**	4635
chr7	89632818	89854359	Me3	**0.42443**	7883
chr3	106481986	106485913	2010016I18Rik	**0.4244**	2123
chrX	113297510	113836386	Dach2	**0.42405**	13946
chr2	25234476	25236787	Rnf224	**0.42401**	3642
chr15	39745930	39760938	Dcstamp	**0.42384**	3700
chr13	67405713	67421418	Zfp459	**0.42366**	5996
chr19	47736857	47837361	Cfap43	**0.42254**	10680
chr19	5388704	5390069	D330050I16Rik	**0.42252**	2453
chr9	119937606	119967793	Ttc21a	**0.42185**	7498
chr4	124986430	125009099	Rspo1	**0.4217**	3287
chr10	40033535	40142254	Slc16a10	**0.4213**	11739
chr14	54643049	54643110	Mir6948	**0.42124**	111
chr2	125627447	125724148	Shc4	**0.42118**	8628
chr5	92321331	92328079	Cxcl9	**0.42117**	5200
chr14	46882965	47105817	Samd4	**0.42106**	13282
chr3	14863538	14872373	Car3	**0.42103**	2736
chr8	70152778	70167488	Mef2b	**0.42078**	2400
chr18	11821088	11839273	Gm6277	**0.42077**	2357
chr13	21396578	21396638	Mir6942	**0.42043**	109
chr11	117611247	117613417	2900041M22Rik	**0.42016**	2400

chr6	118461950	118479273	Zfp9	**0.41951**	6991
chr4	148160668	148166417	Fbxo2	**0.41948**	2200
chr11	50236472	50238471	Ltc4s	**0.41936**	1048
chr15	101810689	101818169	Krt2	**0.41934**	4657
chr5	135406519	135545122	Hip1	**0.4192**	13993
chr13	62603015	62624182	6720489N17Rik	**0.41911**	4699
chr10	82629838	82650432	Tdg	**0.41878**	283
chr15	76266787	76269839	Gm10872	**0.41809**	1386
chr6	54577605	54593128	Fkbp14	**0.41807**	4698
chr4	62189537	62208546	Zfp37	**0.41743**	6598
chr9	114368324	114377238	4930520O04Rik	**0.41733**	2226
chr17	10403012	10840191	Pacrg	**0.41675**	2400
chr2	176708353	176721813	Gm14305	**0.41658**	2870
chr7	16875317	16887301	Dact3	**0.416**	5000
chr1	40580227	40630731	Slc9a4	**0.4156**	6751
chr6	125232622	125237027	Cd27	**0.4154**	2763
chr16	43648861	43664184	Tigit	**0.41536**	1700
chr1	132880355	132940005	Lrrn2	**0.41481**	5899
chr11	112663927	112711356	BC006965	**0.41465**	3440
chr10	109683439	110000219	Nav3	**0.41464**	13714
chr1	164154326	164220274	F5	**0.41432**	12580
chr2	32308471	32353329	Dnm1	**0.41426**	7261
chr8	105984946	105996423	Dpep2	**0.41419**	3577
chr17	35236596	35238768	Atp6v1g2	**0.41408**	2631
chr14	52110903	52160418	Rpgrip1	**0.414**	7552
chrX	95639194	95658509	Zc4h2	**0.41397**	3876
chrX	93654863	93749948	Pcyt1b	**0.41356**	9191
chr2	150407137	150451494	Zfp442	**0.41341**	4860
chr6	129350244	129365303	Clec12a	**0.41318**	3902
chr5	109933563	109941710	Gm15446	**0.41232**	2718
chr11	50811085	50827731	Zfp354c	**0.41196**	9397
chr5	105115767	105139586	Gbp4	**0.41183**	7943
chr5	115845656	116006341	Cit	**0.41158**	12063
chr14	28904943	29721864	Cacna2d3	**0.41136**	6460
chr14	65266701	65321502	Fbxo16	**0.41104**	2147
chr11	46325148	46389515	Itk	**0.4107**	8122
chr2	62500936	62574021	Fap	**0.4101**	4713
chrX	135579787	135593855	Nxf7	**0.40907**	3239
chr13	62367716	62383174	Gm3604	**0.40891**	5073
chr15	99497005	99528165	Faim2	**0.40891**	8050
chr2	25327450	25332571	AA543186	**0.4087**	2946
chr10	22173521	22183914	Raet1e	**0.40844**	986
chr9	121784016	121792507	Hhatl	**0.40819**	3461
chr2	14229414	14332023	Mrc1	**0.40797**	9221
chr4	128615446	128618619	Tlr12	**0.40771**	5500
chr2	113748675	113758648	Grem1	**0.4077**	2840
chr15	82996736	83033397	Nfam1	**0.40713**	7316

chr11	59175564	59183213	Gjc2	**0.40711**	3900
chr5	135960223	135974476	Ssc4d	**0.40709**	4713
chr1	132191436	132257382	Lemd1	**0.40691**	1700
chrX	142304753	142306198	Kcne1l	**0.40679**	2500
chr6	112459505	112472872	Cav3	**0.40672**	2000
chr7	81529916	81529988	Mir1839	**0.40611**	126
chr5	107497745	107512556	A830010M20Rik	**0.40562**	11647
chr9	120964454	121277172	Ulk4	**0.40538**	7026
chr1	173723428	173741809	AI607873	**0.40525**	5999
chr2	150667494	150668932	E130215H24Rik	**0.40514**	1486
chr3	129808575	129822505	Rrh	**0.40509**	2400
chr16	33062521	33125659	Lmln	**0.40499**	7076
chr11	80154162	80178827	Adap2	**0.40487**	2748
chr4	47208012	47313165	Col15a1	**0.40475**	9150
chr10	128194635	128209909	Gls2	**0.40345**	4105
chr2	130278026	130278088	Snord57	**0.40335**	108
chr4	132309465	132309600	Snora16a	**0.4031**	233
chr11	120826542	120932872	Ccdc57	**0.40249**	5799
chr7	119690026	119714566	Acsm4	**0.40227**	3681
chr7	45123026	45123111	Snord35b	**0.40218**	147
chr3	100993529	101029495	Cd101	**0.40177**	5582
chr13	36867178	37050244	F13a1	**0.40137**	6699
chr11	77463913	77469501	Coro6	**0.40027**	2613
chr14	69609476	69695834	Loxl2	**0.39994**	8793
chr2	150310937	150362765	3300002I08Rik	**0.39941**	1100
chr11	6172508	6173331	Rps15a-ps6	**0.39919**	1398
chr8	123504718	123515455	Dbndd1	**0.39911**	4473
chr1	75479532	75485693	Tmem198	**0.39886**	3704
chr12	103980243	103989957	Serpina11	**0.39868**	2523
chr6	90604880	90646412	Slc41a3	**0.39849**	4500
chr14	55618166	55625395	Rec8	**0.39821**	3478
chr3	127916171	127955220	9830132P13Rik	**0.39816**	7087
chr14	61607457	61612833	Kcnrg	**0.39814**	3100
chr18	46165300	46212607	Trim36	**0.39772**	8200
chr18	34562641	34579106	Nme5	**0.39735**	1400
chr10	39118808	39133895	Fam229b	**0.39709**	1232
chr8	54779434	55060878	Gpm6a	**0.39663**	5991
chr14	51129068	51131121	Rnase6	**0.3961**	1803
chr7	27674661	27706482	C030039L03Rik	**0.39587**	7970
chr8	79295078	79307774	Gm4890	**0.39577**	4444
chr8	72189668	72200958	Hsh2d	**0.39567**	2060
chr12	80942652	80945399	Gm20337	**0.39558**	1920
chr7	10487224	10495381	Zik1	**0.39551**	7045
chr2	32757026	32775633	Ttc16	**0.39534**	5933
chr9	22247430	22259895	Zfp599	**0.395**	6000
chr7	84528954	84578339	Gm2115	**0.39492**	3127
chrX	7558562	7574281	Ppp1r3f	**0.39345**	5316

chr5	91987473	91995317	Gm1045	**0.39339**	1269
chrX	10037977	10117661	Srpx	**0.39279**	4100
chr17	34092379	34095234	H2-Oa	**0.39242**	1416
chr12	111271111	111276426	Amn	**0.39224**	2809
chr17	71673261	71729669	Fam179a	**0.39092**	5820
chr13	23683473	23683959	Hist1h2ac	**0.39086**	809
chr5	24257528	24257612	Mir684-1	**0.3903**	141
chr10	30832359	30842783	Hey2	**0.39029**	4200
chr3	94660589	94667152	BC021767	**0.39021**	3695
chr1	40515362	40551705	Il18rap	**0.38982**	8100
chr17	26941452	26970645	Syngap1	**0.38957**	6661
chr19	41588651	41588789	Mir8091	**0.38933**	230
chr15	79139238	79141251	1700088E04Rik	**0.38926**	450
chr3	105815567	105817359	Gm5547	**0.38907**	759
chr16	20545112	20548556	Gm15760	**0.38869**	5691
chr7	44590886	44604751	Kcnc3	**0.38833**	8556
chr5	5580982	5664232	Cfap69	**0.38813**	5353
chr3	15795147	15848487	LOC100038947	**0.38784**	2400
chr11	98798309	98809807	Gm12359	**0.38771**	1689
chr2	131950861	131954820	Prnd	**0.3876**	2186
chr13	89655310	89742512	Vcan	**0.38759**	24197
chr8	92961047	93001667	Slc6a2	**0.38736**	9998
chrX	102247378	102252181	Cited1	**0.38724**	2500
chr5	129895723	129903622	Zbed5	**0.38717**	4099
chr16	38458933	38486932	Cd80	**0.38712**	2797
chr11	90030348	90036505	Tmem100	**0.38628**	2896
chr15	82341179	82345710	Fam109b	**0.38572**	4500
chr5	120589023	120607113	Iqcd	**0.38552**	2733
chr2	180986535	181017540	Col20a1	**0.38531**	6860
chr13	67254918	67269068	Zfp458	**0.38464**	5702
chr3	92418087	92419396	Sprr2j-ps	**0.38457**	1100
chr19	29067301	29069503	Gm9895	**0.38447**	1085
chr2	121394355	121413792	Catsper2	**0.38429**	3670
chr2	127456498	127522094	Kcnip3	**0.38419**	5826
chr3	86138791	86138858	Snord73a	**0.38407**	111
chr9	57790505	57834234	Arid3b	**0.38406**	6188
chr13	40727808	40735162	Tfap2a-as1	**0.38383**	1938
chr3	107039504	107054322	AI504432	**0.38336**	9033
chr13	46418300	46431099	Rbm24	**0.383**	5248
chr6	134897961	134900785	2810454H06Rik	**0.38279**	4596
chr10	128790910	128800035	Mmp19	**0.3819**	4324
chr2	11642792	11693194	Il2ra	**0.38173**	7184
chr7	79593363	79617657	Rhcg	**0.38141**	3388
chr8	119992470	120052793	Crispld2	**0.38139**	6727
chr6	87675593	87690847	1810020O05Rik	**0.38136**	1697
chr19	12633308	12651737	Glyat	**0.38113**	2122
chr9	57504102	57505447	Rpp25	**0.3809**	2179

chr2	26352312	26359547	Card9	**0.38075**	2607
chr12	4769295	4778266	Pfn4	**0.3805**	2112
chr17	25162461	25171913	Ccdc154	**0.38016**	3889
chr12	104314570	104320586	Serpina3j	**0.38006**	3229
chr19	8742971	8743079	Mir6992	**0.37991**	176
chr7	133883199	134225097	Adam12	**0.37986**	12391
chr8	46730970	46739515	Gm16675	**0.37978**	2129
chr1	144752841	144775421	Rgs18	**0.3797**	3000
chr5	136919146	136937109	4933404O12Rik	**0.37931**	6400
chr6	38918986	39084579	Tbxas1	**0.37922**	3188
chrX	153832293	153834240	Spin2c	**0.37833**	2100
chr9	7272514	7283333	Mmp13	**0.37822**	4300
chr5	4192367	4197651	Mterf1b	**0.37804**	2198
chr4	11579662	11580107	Fsbp	**0.37773**	716
chr5	76206229	76469519	Mir1191	**0.37744**	77
chr11	33211794	33513746	Ranbp17	**0.37729**	8210
chr18	52516060	52529867	Lox	**0.37673**	7900
chr1	163245119	163313650	Prrx1	**0.37621**	11909
chr1	195041900	195092248	Cd46	**0.37611**	1939
chr13	23574381	23574915	Hist1h2ad	**0.37602**	855
chr17	84917182	84957423	1110020A21Rik	**0.37601**	1491
chr9	66814994	66834706	Aph1c	**0.37592**	8284
chr9	6168612	6377519	Pdgfd	**0.37567**	2866
chr17	47412734	47437375	1700001C19Rik	**0.37532**	2624
chr6	55203383	55320222	Fam188b	**0.37475**	6801
chr16	98062512	98082439	A630089N07Rik	**0.37463**	3393
chr10	75937735	75940672	Gm867	**0.37441**	1935
chr17	23629458	23645269	Mmp25	**0.37424**	5365
chr12	5376502	5416132	2810032G03Rik	**0.37407**	2000
chr13	33936084	33960181	1110046J04Rik	**0.37386**	1152
chrX	48025146	48034852	Apln	**0.37371**	5000
chr4	114406724	114615098	Trabd2b	**0.37332**	10499
chr12	4843303	4856967	BC068281	**0.37329**	5034
chr8	123186235	123201813	Dpep1	**0.37285**	3556
chrX	133851008	133865578	Tnmd	**0.37263**	2100
chr4	49521176	49531558	Zfp189	**0.37257**	4554
chr4	134315120	134329629	Trim63	**0.37252**	2986
chr1	171588613	171607410	Ly9	**0.37232**	4100
chr19	53441212	53464796	5830416P10Rik	**0.37232**	8374
chr10	61197112	61273438	Adamts14	**0.37221**	8207
chr8	45953606	45975252	1700029J07Rik	**0.37217**	4334
chr2	18044087	18048449	Skida1	**0.37189**	6896
chr15	6445333	6498476	C9	**0.37164**	2791
chr12	109032182	109068217	Begain	**0.37106**	4277
chr2	26639190	26639321	Snora17	**0.37076**	208
chr16	17835276	17838186	Car15	**0.3705**	1740
chr3	157566892	157644758	Ptger3	**0.37042**	3177

chrX	73086293	73097095	Xlr3a	**0.36986**	2589
chr13	19749682	19824257	Gpr141	**0.3688**	5381
chr14	50891389	50893255	Klhl33	**0.36806**	2506
chr17	5798657	5803240	3300005D01Rik	**0.36792**	2000
chr11	3488227	3494166	Pla2g3	**0.36778**	4100
chrX	107148927	107173661	A630033H20Rik	**0.36772**	5298
chr12	69464787	69475550	5830428M24Rik	**0.36724**	1617
chr13	102693558	102706631	Cd180	**0.36679**	3626
chr17	33981492	33985358	AA388235	**0.36671**	6027
chrX	122394561	122397385	Nap1l3	**0.36647**	4400
chr8	95534100	95558888	Ccdc113	**0.36598**	1977
chr15	37366175	37792428	Ncald	**0.36585**	6299
chr19	40868316	40882639	E030044B06Rik	**0.3655**	1367
chr7	45366163	45367890	Mtag2	**0.36546**	1196
chr17	47385393	47392967	Guca1b	**0.36535**	2590
chr11	59963307	59964942	Rasd1	**0.36491**	2300
chr9	23223076	23485215	Bmper	**0.36474**	5900
chr7	109520132	109520251	Snora3	**0.3647**	186
chr7	100845848	100863413	Relt	**0.36467**	4366
chr1	95587682	95667594	St8sia4	**0.36456**	8796
chr3	103193823	103834523	Mir3473f	**0.36424**	161
chr8	71908606	71918851	Zfp882	**0.36407**	8744
chr11	100186781	100193246	Krt9	**0.36369**	3988
chr15	91673224	91816124	Lrrk2	**0.36365**	12720
chr13	17747473	17747593	Mir466i	**0.36363**	187
chr7	83932857	84086505	Cemip	**0.36361**	10994
chr6	47819266	47830505	Zfp786	**0.36337**	4369
chr9	53405286	53432803	4930550C14Rik	**0.3633**	1910
chr6	122921848	122934619	Clec4a1	**0.36245**	2400
chr2	71543408	71546754	Dlx2	**0.3623**	3808
chr5	30341663	30366708	Drc1	**0.36155**	3482
chr18	62607540	62741387	Spink13	**0.36137**	1221
chr3	95884973	95891930	BC028528	**0.36105**	356
chr5	30913786	30921273	Emilin1	**0.36101**	5315
chr12	33957671	33959831	Twist1	**0.36087**	2500
chr5	23850597	23855033	2700038G22Rik	**0.36066**	2100
chr14	59647741	60086834	Atp8a2	**0.36031**	5643
chr10	7589800	7625477	Lrp11	**0.36017**	5200
chr19	6418738	6533217	Nrxn2	**0.36003**	10191
chr14	122097939	122106974	A330035P11Rik	**0.35966**	4144
chr8	125910450	125947439	BC021891	**0.35955**	8698
chr7	39517766	39540415	Zfp619	**0.35873**	9093
chrX	134748455	134751419	Armcx6	**0.35837**	3098
chr7	68273839	68363092	Fam169b	**0.35823**	4295
chr9	21971527	21989453	Rgl3	**0.35773**	3877
chr16	91269769	91271939	Olig1	**0.35765**	3300
chr7	46104523	46180033	Abcc8	**0.35759**	7526

chr9	108096022	108190383	Bsn	**0.35722**	24196
chr11	109225355	109298181	Rgs9	**0.35707**	12945
chr9	65265180	65280605	Cilp	**0.35693**	6300
chr3	55242526	55539068	Dclk1	**0.35631**	19679
chr1	56793981	56971334	Satb2	**0.35596**	7997
chr3	132085292	132180304	Dkk2	**0.35563**	5600
chr5	121518604	121521695	Adam1a	**0.35499**	4665
chr10	81084333	81098872	Creb3l3	**0.35494**	3444
chr1	171018926	171029761	Fcgr4	**0.35481**	1885
chr13	23555032	23555807	Hist1h1d	**0.35475**	1170
chr5	64924680	64933558	Tlr1	**0.3544**	4600
chr13	73699826	73709856	Slc6a19os	**0.35408**	2310
chr3	145004537	145032776	Clca3	**0.35353**	4410
chr12	86678700	86695681	Vash1	**0.35341**	9296
chr7	142533117	142540742	Mrpl23	**0.35334**	874
chr10	5020196	5550692	Syne1	**0.35186**	27084
chr13	52504375	52530836	Diras2	**0.35174**	6500
chr4	118471191	118489849	Tie1	**0.35145**	5794
chr2	119742337	119751253	Itpka	**0.35137**	2700
chr19	23758876	23949597	Apba1	**0.35123**	9900
chr1	169655501	169693526	Rgs5	**0.35118**	2700
chr11	82101845	82103399	Ccl12	**0.35118**	800
chr6	117863077	117872766	Zfp239	**0.35113**	4198
chrX	74023534	74023598	Mir5132	**0.35112**	97
chr5	88376108	88385916	Amtn	**0.35109**	1525
chr6	148988069	149101680	Dennd5b	**0.35108**	14672
chr6	134982001	134986836	Apold1	**0.35107**	4900
chr7	126816885	126830219	Fam57b	**0.35107**	4718
chr2	32050946	32051008	Mir7674	**0.35106**	94
chr8	31187331	31261924	Fut10	**0.35092**	7599
chr10	81233163	81252123	Zfr2	**0.35092**	4983
chr6	128813706	128826315	Klrb1b	**0.3507**	3297
chr4	154960923	154962371	Hes5	**0.35062**	1897
chr7	142491080	142506771	Prr33	**0.35057**	3345
chr7	115470872	116038744	Sox6	**0.35038**	13937
chr9	20607475	20617271	Fbxl12os	**0.35038**	3507
chr2	32721055	32755007	Sh2d3c	**0.35025**	5420
chr7	29134933	29153955	Rasgrp4	**0.35014**	6137
chr1	9942470	9942543	Snord87	**0.34975**	110
chrX	147471694	147554081	Lrch2	**0.34974**	5375
chr12	111417430	111431680	Exoc3l4	**0.34963**	5238
chr6	71322812	71337451	Cd8b1	**0.34894**	2100
chr19	4623898	4623955	Mir6986	**0.34888**	86
chr10	103367808	103419379	Slc6a15	**0.34886**	5403
chr9	65388684	65391652	Kbtbd13	**0.34861**	4399
chr4	141618825	141623834	Slc25a34	**0.34846**	3972
chr2	104071010	104084957	Cd59b	**0.3482**	1178

chr15	76910370	76925448	Zfp647	**0.34812**	3400
chr3	10193624	10197283	Fabp9	**0.34783**	955
chr5	104935057	104982717	Abcg3	**0.34758**	4482
chr10	81194691	81208370	Atcayos	**0.34754**	387
chr7	6315665	6330434	Zfp583	**0.34736**	4082
chr16	31986831	31987791	LOC101669761	**0.34669**	1416
chr13	4059591	4090422	Akr1c14	**0.34663**	3602
chr3	107230614	107234031	A630076J17Rik	**0.34657**	981
chr13	42680623	43138512	Phactr1	**0.34648**	8700
chr2	84811176	84822652	Smtnl1	**0.34645**	2593
chr10	58813359	59138916	Sh3rf3	**0.34599**	8501
chr14	88464747	88471396	Pcdh20	**0.3459**	7699
chr18	77456110	77565136	Rnf165	**0.34584**	10730
chr4	120877869	120891560	Rims3	**0.34583**	1436
chr1	134765943	134955940	Ppp1r12b	**0.34572**	9088
chrX	57088106	57105446	Vgll1	**0.3455**	1743
chr4	65124174	65357509	Pappa	**0.34545**	16190
chr6	48647234	48660875	Gimap8	**0.34524**	5429
chr2	131039632	131043088	Gfra4	**0.3452**	2189
chr2	170731807	170879775	Dok5	**0.34484**	2600
chr6	31519493	31563937	Podxl	**0.34424**	7798
chr3	87846755	87855722	Sh2d2a	**0.34404**	6922
chr8	70373548	70382066	Comp	**0.34401**	3547
chr16	30511855	30550578	Tmem44	**0.34397**	6200
chr14	62555737	62608485	Fam124a	**0.34377**	5197
chr4	6687386	6990723	Tox	**0.34361**	4165
chr1	40805601	40855267	Tmem182	**0.34349**	1600
chr17	7350904	7352696	Ttll2	**0.34344**	2369
chr1	15853862	15892722	Sbspon	**0.34249**	4000
chr18	37685400	37687817	Pcdhga4	**0.34194**	3514
chr8	121127685	121130644	Foxl1	**0.3418**	4300
chr15	75108161	75111949	Ly6c2	**0.34162**	1163
chr17	28142526	28171345	Scube3	**0.34102**	4322
chr12	26306794	26415262	Rnf144a	**0.34092**	7494
chr2	26934069	26953496	Stkld1	**0.34084**	3142
chr6	124996720	125003097	Pianp	**0.34071**	3387
chr11	61672782	61720799	Slc5a10	**0.34046**	2703
chr8	84125989	84132517	Podnl1	**0.34038**	3009
chr10	81271597	81271661	Mir3057	**0.34026**	94
chr3	87749097	87768953	Pear1	**0.33993**	6809
chr7	31059935	31070935	Lgi4	**0.33993**	4652
chr5	114773733	114774983	4930515G01Rik	**0.33986**	1807
chr7	30291753	30308367	Clip3	**0.33981**	4766
chr17	47688474	47694736	Prickle4	**0.33978**	943
chr1	184727145	184732493	Hlx	**0.33973**	3100
chr3	87736923	87748623	Lrrc71	**0.33935**	4324
chr11	114890041	114904651	Cd300a	**0.33899**	6688

chr7	127603903	127604445	1700120K04Rik	**0.33885**	782
chr11	70438255	70438318	Mir7115	**0.33823**	92
chr8	27085841	27123436	Gpr124	**0.33811**	7928
chr17	27655591	27711117	Pacsin1	**0.33749**	6340
chrX	7638580	7653256	Syp	**0.33748**	3560
chrX	134542341	134583140	Btk	**0.33748**	3636
chr13	73627001	73649041	Tert	**0.33734**	4912
chr2	69758057	69789486	Ccdc173	**0.33642**	2475
chrX	71050256	71154717	Mamld1	**0.33636**	4942
chrX	20059570	20097520	Chst7	**0.33605**	3135
chr8	13026034	13035809	F7	**0.33591**	2654
chr1	63114471	63158295	Ino80dos	**0.33567**	2217
chr2	104679980	104712162	Tcp11l1	**0.33551**	5008
chr14	61219115	61258490	Sgcg	**0.33504**	4860
chr2	32066885	32083705	Fam78a	**0.33437**	5700
chr11	83002158	83020722	Slfn8	**0.33401**	5569
chr17	33524196	33553782	Adamts10	**0.33368**	5772
chr9	40972798	41004628	Crtam	**0.33346**	2748
chr5	140872999	141000596	Card11	**0.33342**	5827
chr3	37308627	37312446	Cetn4	**0.33327**	1500
chr3	137341078	137431069	Emcn	**0.33288**	2067
chr7	45832483	45866681	Grin2d	**0.33256**	6195
chr10	122078112	122079879	Gm9079	**0.3323**	2497
chr12	102129419	102266749	Slc24a4	**0.33156**	2948
chr4	146468234	146469440	Gm13251	**0.33139**	1700
chr14	79451835	79454816	Zbtbd6	**0.33139**	4200
chr11	101279203	101288266	Cntd1	**0.33095**	2522
chr7	127232418	127233130	Gm4532	**0.33**	1000
chr17	24175431	24199957	Tbc1d24	**0.3298**	11163
chr16	84774123	84826375	Jam2	**0.32971**	6750
chr12	111484609	111485823	Gm266	**0.32902**	1699
chr9	37544493	37552745	Nrgn	**0.329**	1808
chr5	104813168	104860068	Zfp951	**0.32825**	4050
chr8	3871824	3878499	Cd209d	**0.32799**	1203
chr16	29231914	29378732	Atp13a5	**0.32795**	6321
chr9	96731676	96752831	E030011O05Rik	**0.3277**	922
chr7	113765998	114043375	Spon1	**0.32767**	8587
chr14	73519864	73548242	Nudt15	**0.32679**	3600
chr3	65666228	65831162	Lekr1	**0.32637**	3053
chr11	99144199	99155077	Ccr7	**0.32595**	2736
chr4	109218413	109254577	Calr4	**0.32575**	3500
chr13	16857475	17694765	Sugct	**0.32536**	2384
chr7	12768092	12775658	Zscan18	**0.32509**	5010
chr2	153649449	153687730	Dnmt3b	**0.32452**	5968
chr9	86571988	86574899	Rwdd2a	**0.32324**	1900
chr5	149439706	149470620	Tex26	**0.32304**	1502
chr16	4037145	4039976	Dnase1	**0.32233**	1722

chr8	18932729	18950975	Xkr5	**0.32231**	5500
chr18	34689903	34720387	Gfra3	**0.32199**	2726
chr9	50488799	50499094	Plet1os	**0.32194**	1174
chr3	69573919	69598960	B3galnt1	**0.32174**	3100
chr15	42424667	42676977	Angpt1	**0.32164**	5900
chr11	97744897	97745035	Mir8102	**0.32162**	190
chr10	80832801	80844039	Lingo3	**0.32156**	4700
chr2	181578480	181585115	Uckl1os	**0.32132**	2790
chr13	114958081	115101964	Itga1	**0.32068**	8153
chr19	4164324	4175479	Carns1	**0.32002**	5397
chr2	181669837	181671640	Sox18	**0.31972**	2200
chr3	10244209	10301183	Fabp12	**0.31931**	3409
chr7	97309380	97325964	Usp35	**0.31907**	5400
chr9	92267258	92267361	Mir6386	**0.319**	141
chr17	48232739	48246924	Trem1	**0.3189**	4100
chr7	141015812	141016892	Ifitm6	**0.31879**	733
chr6	113716119	113719911	Ghrl	**0.31878**	756
chr2	148694657	148732420	Napb	**0.31875**	5003
chr8	3665762	3668905	Mcemp1	**0.31864**	1533
chr4	132302194	132303356	Rab42	**0.31852**	995
chr13	92751586	92794818	Thbs4	**0.31825**	4331
chr17	39406359	39410992	Esp18	**0.31821**	1700
chr5	120458202	120472763	Sdsl	**0.31819**	1635
chr5	30711895	30799369	Dpysl5	**0.31814**	6789
chr7	99482785	99482932	Snord15a	**0.31796**	200
chr11	115381916	115396132	Cdr2l	**0.31796**	5000
chrX	105764477	105776532	Fgf16	**0.31795**	4108
chr6	122513676	122529287	Mfap5	**0.31756**	1903
chr10	87859056	87937047	Igf1	**0.31756**	9982
chr10	107492860	107494729	Myf6	**0.31749**	1684
chr13	48272418	48273884	A330048O09Rik	**0.31748**	900
chr18	37755773	37758367	Pcdhga11	**0.31734**	3500
chr7	12881178	12893422	Zfp128	**0.31718**	5167
chr12	26469215	26479837	Cmpk2	**0.31718**	4299
chr5	48395573	48414294	5730480H06Rik	**0.31701**	2184
chr9	108986163	108987164	Ucn2	**0.317**	1350
chr2	74704615	74707932	Hoxd8	**0.31604**	2900
chr9	121577843	121641566	Lyzl4	**0.31584**	1337
chrX	134971373	135009209	Zmat1	**0.31569**	4700
chr1	171559193	171585316	Cd244	**0.31568**	5042
chr14	78277446	78308043	Tnfsf11	**0.31561**	2998
chr17	12318853	12327250	4732491K20Rik	**0.3155**	4256
chr19	47512982	47516578	Gm19557	**0.31458**	3531
chr7	48830398	48848051	Csrp3	**0.31436**	1300
chr10	79916971	79922272	Kiss1r	**0.31431**	4224
chr4	101346524	101356248	E130102H24Rik	**0.31384**	887
chr18	9707648	9877995	Colec12	**0.3132**	4422

chr6	123122690	123143999	Clec4a2	**0.31318**	3482
chr13	55006019	55021385	Hk3	**0.31275**	4300
chr3	89998760	90001325	Gm19710	**0.31245**	741
chr2	177759288	177773275	Gm14322	**0.31237**	5337
chr9	54538984	54545020	Sh2d7	**0.31136**	3651
chr4	136423524	136444401	Htr1d	**0.31063**	4230
chrX	161162750	161258213	Scml2	**0.31063**	6444
chr9	57056897	57071966	Gm10658	**0.31048**	1375
chr17	5492600	5753891	Zdhhc14	**0.31029**	4108
chr2	153407461	153529971	Nol4l	**0.30992**	8592
chr5	57570084	57717919	4932441J04Rik	**0.30983**	956
chr5	143758354	143764942	D130017N08Rik	**0.30981**	2245
chr4	108014793	108032090	Podn	**0.30974**	4564
chr4	129287621	129306704	Sync	**0.30959**	2000
chr6	128539822	128581606	BC048546	**0.30951**	6180
chr12	113185903	113189522	Tmem121	**0.30882**	2100
chr13	62772200	62785808	Gm5141	**0.30855**	4300
chr8	4248214	4251423	Tgfbr3l	**0.30839**	1409
chr2	165377436	165388259	Zfp334	**0.30789**	6586
chr15	84232043	84315609	Parvb	**0.30781**	4847
chr1	125913636	126830632	Nckap5	**0.30777**	9932
chr13	95959443	96132577	Sv2c	**0.30756**	5558
chr7	92740706	92741459	4632427E13Rik	**0.30703**	873
chr7	44959372	44974851	Cpt1c	**0.30687**	3644
chr8	34115030	34125185	Mboat4	**0.30642**	2395
chr11	51059257	51072799	Zfp354a	**0.30642**	5247
chr11	96464591	96759622	Skap1	**0.30641**	2852
chr12	87278638	87299705	Ism2	**0.30627**	3288
chr17	35203165	35205351	Lta	**0.30623**	1800
chr6	90333289	90364548	Uroc1	**0.30597**	4372
chr15	79166066	79216401	Gm10863	**0.30587**	884
chr10	77686569	77886769	Tspear	**0.30464**	3167
chr10	79890853	79892660	Cfd	**0.30458**	1200
chr11	48803139	48803206	Snord95	**0.30449**	88
chr1	135324813	135368065	Lmod1	**0.30441**	5100
chr15	89422125	89425862	Cpt1b	**0.30431**	194
chr10	20398004	20725068	Pde7b	**0.30427**	5337
chr1	78101267	78197136	Pax3	**0.30409**	4999
chr9	118606709	118901003	Itga9	**0.30394**	9160
chr2	172393794	172433757	Cass4	**0.30383**	4792
chr10	62383137	62422457	Hkdc1	**0.30345**	4492
chr6	120666421	120771191	Cecr2	**0.30291**	11861
chr14	20659418	20668306	Synpo2l	**0.3029**	5049
chr17	31208066	31242403	Ubash3a	**0.30277**	3800
chr14	20546293	20570680	1810062O18Rik	**0.30245**	680
chrX	78449610	78583897	Prrg1	**0.3023**	5188
chr18	37751779	37754193	Pcdhgb7	**0.30203**	3100

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chr1	175059076	175492545	Rgs7	**0.30161**	3188
chr4	75941237	78211895	Ptprd	**0.30149**	11695
chr4	116684965	116686022	AV051173	**0.30108**	778
chr16	8513429	8621567	Abat	**0.30108**	5931
chr11	43374397	43374461	Mir146	**0.30044**	83
chr15	76715276	76719924	Lrrc24	**0.30007**	2367
chr17	35342333	35345722	H2-Q2	**0.29994**	1401
chr2	9881246	9886767	4930412O13Rik	**0.29898**	5004
chr4	115779834	115781034	Tex38	**0.29886**	1039
chr12	105563172	105593071	Bdkrb2	**0.29873**	2133
chr6	148232430	148444352	Tmtc1	**0.2983**	10064
chr3	134236495	134262089	Cxxc4	**0.29816**	7019
chr9	86743633	86757506	Prss35	**0.29814**	3197
chr1	36372291	36422110	Fer1l5	**0.29804**	8003
chr11	118428457	118451782	C1qtnf1	**0.29804**	4911
chr4	155859304	155863353	Tas1r3	**0.29793**	4404
chr11	118332360	118342534	BC100451	**0.29738**	2500
chr11	73234149	73261322	Trpv1	**0.29721**	4531
chr4	141890623	142011651	Fhad1	**0.29718**	5690
chr4	155608297	155624755	Gm16023	**0.29707**	2558
chr3	113555952	113577750	Amy1	**0.29702**	2300
chr9	35116811	35130922	4930581F22Rik	**0.29698**	2927
chr8	31089662	31097047	Dusp26	**0.2963**	2200
chr11	88718643	88728572	C030037D09Rik	**0.29612**	1329
chrX	12936873	12938541	AA414768	**0.29605**	2100
chr16	87496073	87504038	B130034C11Rik	**0.29603**	1769
chr8	41017468	41019616	B430010I23Rik	**0.29595**	644
chr2	62664327	62694109	Gca	**0.2959**	4135
chr7	42609526	42642604	9830147E19Rik	**0.29581**	6300
chr17	35028605	35046723	Msh5	**0.2958**	3363
chrX	21312210	21334727	Gm6938	**0.29541**	968
chr2	156872922	156887078	Sla2	**0.29529**	2495
chr3	115710433	115715055	S1pr1	**0.2951**	3799
chr10	63024512	63058812	Pbld2	**0.29477**	2770
chr7	35201112	35215345	Lrp3	**0.29461**	4708
chr3	86786150	86920884	Dclk2	**0.29424**	5251
chr11	69599750	69605960	Atp1b2	**0.29421**	3700
chr5	8490336	8622952	Rundc3b	**0.29381**	4589
chr11	116657108	116668389	Gm11744	**0.29374**	1000
chr1	180326969	180330475	Gm5069	**0.29366**	4377
chr7	17150400	17163231	Ceacam3	**0.29364**	2647
chr4	134343046	134354484	Slc30a2	**0.29359**	4134
chr4	45848947	45887008	Stra6l	**0.29336**	4496
chr5	92571537	92591284	Fam47e	**0.29298**	1874
chr8	20268286	20297432	6820431F20Rik	**0.29246**	5791
chr15	79742698	79757394	Gm16576	**0.29241**	6716

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chr4	42917251	42941607	N28178	**0.29208**	4212
chr17	30622441	30626905	1700097N02Rik	**0.29181**	1048
chr9	20770050	20815034	Col5a3	**0.29173**	7546
chr17	71640889	71641658	Snord53	**0.29144**	109
chr19	8740718	8741225	1700092M07Rik	**0.29101**	470
chr14	51922160	51922773	Rnase13	**0.29085**	759
chr15	84951526	84951623	Mir1249	**0.29051**	121
chr17	50509547	50688494	Plcl2	**0.29041**	5000
chr6	129610323	129623864	Klrk1	**0.29033**	4104
chr11	69876684	69878018	Tmem95	**0.29023**	655
chr14	55650184	55652539	Tssk4	**0.28997**	1750
chr5	64044973	64050226	5830416I19Rik	**0.28977**	3239
chr2	125300594	125506438	Fbn1	**0.28945**	12179
chr7	29843936	29853648	Zfp940	**0.28943**	3400
chr2	32095651	32110820	Ppapdc3	**0.28921**	2242
chr11	69663043	69663125	Mir1934	**0.28915**	102
chr8	104101625	104144502	Cdh5	**0.28912**	4898
chr5	73606642	73632421	Lrrc66	**0.28907**	3800
chr3	59207894	59210882	P2ry13	**0.28875**	3100
chr1	127753617	127774054	2900009J06Rik	**0.2887**	454
chr12	102743499	102743661	Moap1	**0.2887**	200
chr8	71689252	71689432	Insl3	**0.28859**	222
chr6	30733506	30747553	Mest	**0.2883**	2284
chr17	26202962	26211324	Rgs11	**0.2883**	2458
chr15	103308235	103310438	Gpr84	**0.28823**	1900
chr16	17646470	17650738	Ccdc74a	**0.28794**	1564
chr5	29195993	29225524	Rnf32	**0.28788**	1965
chr6	54508816	54566382	Scrn1	**0.28772**	2173
chr4	132309953	132310069	Snora44	**0.28757**	143
chr2	165055636	165071654	Cd40	**0.28752**	2180
chr2	84734204	84737877	Ypel4	**0.28723**	918
chr5	120730333	120749848	Oas2	**0.28717**	4716
chr18	75001068	75001122	Snord58b	**0.28662**	67
chr2	59382493	59386682	5330411J11Rik	**0.28624**	2000
chr4	106680417	106727930	Mroh7	**0.28607**	5284
chr1	85939537	85961055	Gpr55	**0.28604**	3100
chr2	143546133	143816282	Pcsk2	**0.28597**	5355
chr11	69120453	69123259	Hes7	**0.28581**	1171
chr18	70240429	70244584	Dynap	**0.28572**	1490
chr13	35967906	35970388	Ppp1r3g	**0.28544**	2800
chr10	68430956	68541875	1700040L02Rik	**0.28508**	1500
chr5	21543527	21575902	Lrrc17	**0.28493**	2577
chr16	36184212	36188110	Gm5483	**0.28485**	500
chr17	8340406	8344113	Prr18	**0.28476**	4300
chr3	87250965	87263524	Fcrls	**0.28469**	2409
chr16	4935164	4939377	Gm16861	**0.28442**	1534

chr17	40520022	40530702	Esp8	**0.28438**	1089
chr18	23750448	23752305	Gm15972	**0.28438**	504
chr9	121777607	121783819	Klhl40	**0.28388**	2962
chr8	122422085	122423639	Il17c	**0.28386**	789
chr2	12106660	12301920	Itga8	**0.28378**	6958
chr12	111941991	111944482	5033406O09Rik	**0.28346**	2083
chr15	98519835	98519878	Mir1291	**0.28341**	53
chr9	102506138	102546239	Ky	**0.28322**	6559
chr2	70508819	70540884	Erich2	**0.28264**	2101
chr2	119218119	119229865	Ppp1r14d	**0.28258**	974
chr17	25809085	25821265	Fbxl16	**0.28196**	4193
chr7	135410367	135413615	Foxi2	**0.28151**	3100
chr8	116969599	116978943	1700030J22Rik	**0.28146**	3554
chr8	122454206	122460692	Snai3	**0.28134**	1900
chr11	75999912	76003569	1700016K19Rik	**0.28102**	1100
chr5	103648587	103655732	1700016H13Rik	**0.2808**	1129
chr8	105253052	105255153	B3gnt9	**0.28065**	2283
chr18	60995380	61014199	Slc6a7	**0.28019**	3981
chr9	37275835	37348392	Ccdc15	**0.27934**	4185
chr9	95400926	95407270	Chst2	**0.27928**	7409
chr5	110339812	110343035	P2rx2	**0.27899**	2030
chr4	129137060	129144593	Fndc5	**0.27865**	3200
chr13	23542923	23543444	Hist1h2bh	**0.27856**	618
chr7	120173858	120183716	Anks4b	**0.27817**	2400
chr17	51736187	51833290	Satb1	**0.2781**	8023
chrX	101731536	101734147	Cxcr3	**0.27801**	1900
chr11	87760541	87785928	Bzrap1	**0.27749**	8982
chr9	95637628	95695551	Pcolce2	**0.2774**	2200
chr4	114163384	114245028	Skint11	**0.27735**	1642
chr10	22113050	22149270	E030030I06Rik	**0.27717**	2700
chr13	95696920	95702768	F2rl2	**0.27692**	2900
chr17	17830975	17839071	Spaca6	**0.27671**	1296
chr1	17727417	17766207	Crispld1	**0.2767**	4711
chr16	38085064	38089000	BC031361	**0.27658**	4628
chr8	121978024	121978086	Mir7237	**0.27637**	74
chr6	67292018	67376137	Il12rb2	**0.27577**	3454
chr10	127032905	127041394	LOC100504608	**0.27568**	819
chr3	102469919	102521013	Ngf	**0.27542**	1400
chr12	71309884	71320107	Dact1	**0.27526**	4400
chr7	16906490	16910905	Ptgir	**0.27516**	3899
chr15	81686167	81697287	Chadl	**0.27491**	2845
chr4	103038065	103114299	Wdr78	**0.27474**	4429
chr1	33669824	33670712	1700001G17Rik	**0.27472**	1038
chr19	59458690	59465357	Emx2	**0.27468**	3033
chr4	129984870	130022633	Bai2	**0.27458**	6415
chr8	105690906	105698158	Rltpr	**0.2743**	2911
chr12	85288591	85299358	Zc2hc1c	**0.27414**	5222

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chr13	19623175	19632823	Sfrp4	**0.27357**	2044
chr2	163225454	163323102	Tox2	**0.27336**	1946
chr12	80692601	80724216	Plekhd1	**0.27318**	4095
chr2	130580677	130582541	Avp	**0.27288**	588
chr6	124493113	124510643	C1rl	**0.27281**	3490
chr6	97238528	97252780	Lmod3	**0.27275**	2599
chr6	70956606	70961066	Foxi3	**0.27216**	1395
chr18	37518353	37521419	Pcdhb22	**0.2718**	3543
chr9	53850251	53853849	Sln	**0.27149**	600
chr14	32322019	32347820	Ogdhl	**0.27138**	3978
chr2	122466583	122467797	Bambi-ps1	**0.27111**	1400
chr2	30237198	30237631	1700084E18Rik	**0.27107**	500
chr19	24679662	24861842	Pgm5	**0.27105**	7580
chr11	85832615	85841948	Tbx2	**0.27083**	4100
chr7	3489076	3502552	Tarm1	**0.27045**	1100
chr19	10962295	10974670	Ms4a10	**0.27027**	1159
chr3	37714190	37724360	Gm5148	**0.27015**	1395
chr7	45126864	45126917	Snord33	**0.27015**	62
chr9	88841798	88858870	9330159M07Rik	**0.27013**	2830
chr17	29827958	29887882	Mdga1	**0.27012**	8686
chr6	67422932	67491855	Il23r	**0.26933**	2848
chr7	143778363	143784500	Mrgpre	**0.26901**	4300
chr8	84010228	84011720	2210011C24Rik	**0.26873**	900
chr8	87661810	87959595	Zfp423	**0.26852**	5600
chr11	67112461	67120080	2310065F04Rik	**0.26777**	3100
chr7	107370790	107548655	Syt9	**0.26735**	4336
chr16	96158406	96192257	Lca5l	**0.2672**	3600
chr16	57624256	57754737	Col8a1	**0.26706**	5800
chr15	79803975	79804709	Nptxr	**0.26698**	834
chr11	33116978	33147400	Fgf18	**0.26661**	1796
chr7	130774069	130825899	Btbd16	**0.26598**	3882
chr14	56258858	56262260	Gzmb	**0.26586**	1600
chr2	120463593	120504919	Capn3	**0.26531**	3933
chr15	99972167	99973287	2310068J16Rik	**0.26531**	1034
chr16	44765736	44794977	Cd200r1	**0.26515**	2131
chr17	40764734	40794146	Crisp2	**0.26508**	1655
chr1	195017399	195037908	A330023F24Rik	**0.26501**	5661
chr2	131946371	131946473	Prn	**0.26498**	116
chr10	63115795	63203952	Mypn	**0.26458**	5899
chr17	25057702	25081114	Tmem204	**0.26452**	2000
chr1	191098414	191108943	Batf3	**0.26437**	800
chr7	16234585	16244154	C5ar2	**0.26423**	3999
chr7	126589295	126594910	Il27	**0.26399**	791
chr8	23138785	23147467	Gm15816	**0.26399**	1536
chr7	70365383	70411146	B130024G19Rik	**0.26398**	2033
chr2	158666733	158766334	Ppp1r16b	**0.26381**	7271

chr5	66676944	66687234	Uchl1	**0.26328**	1044
chr15	74813455	74818815	Gml	**0.26319**	1000
chr11	82057832	82062955	Ccl11	**0.26314**	1200
chr18	37504264	37507661	Pcdhb20	**0.26312**	3800
chr2	120265869	120289069	Pla2g4d	**0.26307**	3674
chr11	82035577	82037452	Ccl2	**0.26273**	900
chr10	93523338	93540033	Amdhd1	**0.2624**	2700
chr15	94629185	95096097	Tmem117	**0.26228**	3100
chrX	103560910	103623754	Ftx	**0.26195**	8340
chr7	27523261	27531174	Hipk4	**0.2619**	2687
chr7	114415254	114537937	Pde3b	**0.26164**	5878
chr16	3707215	3718124	Mefv	**0.26155**	3575
chr7	24661294	24663109	Gm4598	**0.26143**	1200
chr7	103826523	103826531	Hbb-bs	**0.26143**	10
chr18	37689859	37692369	Pcdhgb2	**0.26143**	2790
chr13	21716412	21716859	Hist1h2ai	**0.26102**	497
chr7	35578996	35585582	Rgs9bp	**0.26076**	7300
chr4	44121893	44124123	Gm12504	**0.2607**	2472
chrX	53053112	53057190	C430049B03Rik	**0.26056**	3021
chr7	82335694	82614448	Adamtsl3	**0.26019**	8056
chr4	83525545	83864670	Ccdc171	**0.25999**	5000
chr2	158375638	158386145	Snhg11	**0.25996**	6479
chr13	23561896	23562365	Hist1h3e	**0.25982**	519
chr5	45529705	45639274	Fam184b	**0.25969**	4300
chr13	67363584	67375763	Zfp456	**0.25957**	4500
chr7	66839735	67152625	Adamts17	**0.25956**	6651
chr17	83831354	83846790	Haao	**0.25951**	1350
chr18	5591860	5775468	Zeb1	**0.25936**	6400
chr2	32986366	33087204	Garnl3	**0.2587**	3724
chr8	65618040	66471637	March1	**0.25861**	5300
chr11	100334412	100336996	Gast	**0.25856**	500
chr13	75967739	75998968	Spata9	**0.25808**	1155
chr12	103532565	103613832	Ppp4r4	**0.25797**	4038
chr5	105078394	105110292	Gbp9	**0.25789**	3982
chr2	28496891	28505415	Gbgt1	**0.25785**	1463
chr3	92432582	92433927	Sprr2k	**0.25775**	700
chr9	78367054	78368199	Dppa5a	**0.25775**	700
chr4	155781591	155785874	Tmem88b	**0.25759**	3800
chr15	99251788	99262041	1700120C14Rik	**0.25735**	315
chr18	12741355	12755142	Cabyr	**0.25735**	1423
chrX	57212143	57224042	Cd40lg	**0.25712**	1366
chr1	86359574	86367964	C130036L24Rik	**0.25703**	1383
chr9	86695442	86701253	A330041J22Rik	**0.2567**	1978
chr7	13325667	13360668	Pla2g4c	**0.25655**	3800
chr8	102632995	102785111	Cdh11	**0.2565**	4596
chr10	7444873	7473477	Ulbp1	**0.25624**	1981
chr4	19979445	20005739	4930480G23Rik	**0.25585**	1369

chr9	27097384	27155421	Jam3	**0.25583**	2142
chr2	126553024	126588243	Slc27a2	**0.25553**	2499
chr13	107022570	107033518	3830408C21Rik	**0.25549**	2061
chr11	99914751	99915671	Gm11565	**0.25547**	1000
chr16	38362173	38378216	Popdc2	**0.25512**	2238
chr6	124858445	124863917	Gpr162	**0.25508**	2900
chr19	55198098	55241236	Gucy2g	**0.25501**	4215
chr4	135759715	135815567	Myom3	**0.2549**	6043
chr4	53631471	53707009	Fsd1l	**0.25486**	8088
chr9	55326949	55438344	AI118078	**0.25435**	2602
chr8	93302369	93337209	Ces1g	**0.2543**	2474
chr1	93015455	93101874	Kif1a	**0.25406**	8985
chr15	10714836	10790123	4930556M19Rik	**0.25364**	4629
chr2	118707517	118728438	Plcb2	**0.25363**	5546
chr11	97854307	97884154	Fbxo47	**0.25362**	1812
chr7	45126603	45126668	Snord34	**0.25311**	71
chr15	101221191	101225186	A330009N23Rik	**0.25304**	1283
chr17	31141062	31144282	Tff2	**0.25301**	614
chrX	73411103	73426987	Zfp92	**0.25289**	6179
chr11	43474306	43491525	C1qtnf2	**0.25239**	1299
chr7	82632960	82648528	Fam154b	**0.25225**	2989
chr12	110591374	110592679	B930059L03Rik	**0.25222**	1400
chr6	92940582	93111749	9530026P05Rik	**0.25184**	1065
chr16	4964288	4978054	4930451G09Rik	**0.2518**	2059
chr2	121093589	121109791	Tgm7	**0.25169**	2271
chr8	124576111	124618731	Capn9	**0.25144**	2490
chr9	70798128	70934808	Lipc	**0.25073**	2046
chr6	128169700	128183803	9330102E08Rik	**0.2507**	4099
chr14	62663667	62692243	Serpine3	**0.25022**	1491
chr6	24951141	24956125	Tmem229a	**0.25011**	5299
chr2	30845367	30881247	Prrx2	**0.25008**	1200
chr18	37477768	37483037	Pcdhb16	**0.24998**	5599
chr3	96220413	96220880	Hist2h2ac	**0.24987**	497
chr2	110360925	110362993	Fibin	**0.24973**	2196
chr7	6363308	6382605	Zfp78	**0.24956**	5195
chr8	10006633	10035999	Tnfsf13b	**0.24942**	1800
chr5	122989354	122998341	A930024E05Rik	**0.24934**	2005
chr3	142496934	142522344	Gbp5	**0.24923**	3200
chr8	40926233	40990770	Pdgfrl	**0.24895**	1622
chr16	37011786	37095417	Polq	**0.24893**	9048
chr19	44516957	44545848	Sec31b	**0.24806**	4136
chr5	23692261	23712667	AI506816	**0.24798**	2930
chr17	32621319	32636184	Cyp4f37	**0.24793**	2784
chr6	129666016	129678973	Klrc1	**0.24775**	2088
chr3	89234177	89245897	Trim46	**0.24774**	3741
chr5	66745840	67057159	Limch1	**0.24774**	6802
chr7	27765673	27770972	Gm10046	**0.24757**	665

chr1	39618406	39651182	Creg2	**0.2475**	6100
chr11	121830218	121843436	Ptchd3	**0.24721**	3400
chr17	35470089	35474563	H2-Q10	**0.24695**	1546
chr9	58287723	58313212	Loxl1	**0.24671**	3500
chr6	137983590	138079916	Slc15a5	**0.24657**	2579
chr8	75213944	75224113	Rasd2	**0.24651**	2944
chr6	37983739	38046996	Svopl	**0.24643**	2478
chr1	56971469	56975196	9130024F11Rik	**0.24628**	1300
chr17	34597850	34600937	Ager	**0.24615**	1655
chr9	120092133	120094906	Ccr8	**0.24608**	1209
chr1	3214482	3671498	Xkr4	**0.24604**	3800
chr11	82911253	82943406	Unc45b	**0.24587**	3554
chr14	70530821	70538324	Lgi3	**0.24431**	3303
chr2	50066429	50193569	Lypd6	**0.24429**	3800
chr6	142413431	142419740	B230216G23Rik	**0.24402**	1593
chrX	161717036	161779494	Rai2	**0.24392**	2600
chr3	63696234	63850991	Plch1	**0.24384**	6499
chr6	29433153	29461888	Flnc	**0.24384**	9499
chr11	113780790	114065951	Sdk2	**0.24384**	6844
chrX	106576509	106603679	Cysltr1	**0.24382**	3087
chr19	25671134	25672239	2610016A17Rik	**0.24373**	491
chr6	142085768	142186149	Slco1a6	**0.24334**	2900
chrX	8145427	8147963	Rbm3os	**0.24317**	771
chr18	37694501	37696924	Pcdhga5	**0.24266**	2500
chr6	39462378	39557834	Dennd2a	**0.24261**	4573
chr17	32950961	32965716	Cyp4f41-ps	**0.24247**	1148
chr14	56042123	56044634	Mcpt2	**0.24231**	1000
chr9	78289928	78305525	Gm10639	**0.24229**	900
chr16	45656317	45693658	Tmprss7	**0.24221**	2661
chr4	155400969	155421704	5830444B04Rik	**0.24188**	2899
chr8	69271080	69303375	D130040H23Rik	**0.24175**	2057
chr7	25669140	25675166	Tmem91	**0.24173**	900
chr7	141359178	141365110	B230206H07Rik	**0.24167**	2385
chr18	31931507	31958619	Lims2	**0.24141**	1539
chr7	30712209	30725534	Atp4a	**0.24121**	3585
chr15	74979812	74983430	Ly6i	**0.24118**	900
chr7	44310264	44358353	Shank1	**0.24117**	7786
chr6	14713822	14755274	Ppp1r3a	**0.24104**	7294
chr2	93955810	93957100	Gm13889	**0.24076**	1321
chr7	79743163	79785950	Wdr93	**0.24064**	2337
chr11	104608000	104670471	Itgb3	**0.24021**	5900
chr16	36210403	36217788	Gm5416	**0.24009**	300
chr7	4628040	4630482	Tmem86b	**0.23991**	1246
chr10	118920381	118927143	C230029M16	**0.23958**	2400
chr2	73563281	73580338	Chrna1	**0.23883**	4385
chr12	34984761	34986436	Prps1l1	**0.23866**	1700
chr11	70054124	70057895	Asgr1	**0.23822**	1300

chr9	66508776	66514593	Fbxl22	**0.23821**	3663
chr6	120773768	120793982	Slc25a18	**0.23804**	1383
chr3	88822010	88832487	1500004A13Rik	**0.23774**	3196
chr8	105939551	105943402	Lcat	**0.23771**	1376
chr14	118984985	119099434	Uggt2	**0.23753**	6576
chr19	4625841	4698668	Gm960	**0.23737**	2282
chr9	38752796	38756863	Olfr920	**0.23733**	1977
chr8	40551135	40634792	Mtmr7	**0.23691**	2487
chr13	95024105	95250304	Pde8b	**0.23658**	4955
chr9	77636732	77660122	Klhl31	**0.23638**	6286
chr19	30098441	30175441	Gldc	**0.23622**	3800
chrX	94636069	94638561	Gspt2	**0.23585**	2499
chr4	113477891	113999503	Skint5	**0.23581**	4507
chr14	54650511	54655100	4930579G18Rik	**0.2358**	1389
chrX	7585571	7595243	Foxp3	**0.23559**	3075
chr4	142084305	142088101	Tmem51os1	**0.23542**	1752
chr2	74697763	74700208	Hoxd9	**0.23529**	2100
chr2	122028580	122028582	Eif3j1	**0.23529**	3
chr5	121819209	121819273	Mir7031	**0.23529**	65
chr7	28840611	28840620	Lgals6	**0.23529**	10
chr7	130908268	130908335	Mir7061	**0.23529**	68
chr8	117459265	117459328	Mir7078	**0.23529**	64
chr9	15326289	15326330	Scarna9	**0.23529**	42
chr9	21067514	21067519	Raver1-fdx1l	**0.23529**	6
chr10	78445095	78445157	Mir6908	**0.23529**	63
chr12	112659277	112659351	Mir6939	**0.23529**	75
chr15	34440506	34440507	Gm12191	**0.23529**	2
chr15	78850903	78855529	Lgals2	**0.23529**	549
chr17	12922857	12922917	Snora20	**0.23529**	61
chr17	57217172	57217228	Mir6978	**0.23529**	57
chr18	35554567	35554636	Mir1949	**0.23529**	70
chr19	4263818	4263878	Mir6985	**0.23529**	61
chr8	75033686	75070121	Tom1	**0.23499**	2355
chr1	121509773	121528465	Htr5b	**0.23482**	2000
chr11	62778387	62789417	Zfp286	**0.23482**	3000
chr11	101877510	101894354	Meox1	**0.23433**	2199
chr12	38780258	38868215	Etv1	**0.23373**	4195
chr6	45060061	47301371	Cntnap2	**0.23354**	7086
chr1	55405946	55754285	Plcl1	**0.23331**	6500
chr13	63289154	63297147	Gm16907	**0.23318**	2653
chr14	105427559	105437716	5430440P10Rik	**0.23297**	1006
chr3	96606662	96629819	6330549D23Rik	**0.23296**	2800
chr3	59952309	59973594	Gm9696	**0.23266**	3016
chr19	23302609	23448322	Mamdc2	**0.23261**	3300
chr11	4139364	4139446	Mir3060	**0.23245**	82
chr1	37754572	37865298	Tsga10	**0.23236**	4130
chr19	11407661	11427246	Ms4a4c	**0.23215**	1700

chr5	135106891	135138382	Mlxipl	**0.23206**	3599
chr6	125186361	125186431	Scarna10	**0.23197**	70
chr7	140837221	140845689	C330022C24Rik	**0.23177**	922
chr8	22974836	23150497	Ank1	**0.23167**	8394
chr2	14174524	14221993	Tmem236	**0.23143**	3598
chr13	21945094	21960485	Zfp184	**0.23137**	2658
chr5	25100975	25103007	2900005J15Rik	**0.23124**	1998
chr6	87778136	87779762	Gp9	**0.23123**	797
chr7	117380979	117667630	Xylt1	**0.231**	3014
chr5	8893721	8959226	Abcb4	**0.23096**	4000
chr3	105925891	105932664	I830077J02Rik	**0.23043**	1044
chr1	170277324	170285662	Sh2d1b1	**0.22987**	1400
chr8	4209543	4217312	BC068157	**0.22938**	4500
chr11	3239902	3462990	Mir3470a	**0.2291**	37
chr17	49456022	49564337	Daam2	**0.2291**	5886
chr13	93674436	93752823	Dmgdh	**0.22907**	2691
chr3	54156057	54318471	Trpc4	**0.22888**	4611
chr9	108392834	108397767	1700102P08Rik	**0.22843**	1066
chr13	21753377	21753912	Hist1h2ak	**0.22826**	520
chr9	44400423	44400488	Mir7085	**0.22816**	64
chr7	135648457	135652314	5830432E09Rik	**0.22786**	1320
chr7	118381856	118443552	Syt17	**0.22772**	1565
chr2	79255426	79333114	Itga4	**0.22755**	9348
chr8	62057042	62123193	Anxa10	**0.22719**	1796
chr18	70453140	70472453	4930503L19Rik	**0.22687**	2183
chr14	56231401	56234656	Gzmc	**0.22672**	900
chr19	17432832	17837632	Pcsk5	**0.22653**	8998
chr10	103007847	103028777	Alx1	**0.22651**	2400
chr9	67759437	67760933	C2cd4b	**0.22644**	1280
chr19	5447698	5450351	Fosl1	**0.2263**	529
chr3	96555768	96566801	Gm15441	**0.22625**	1026
chr7	33364343	33366319	Scgb2b20	**0.22624**	500
chr15	4988762	5063773	C7	**0.22582**	2600
chr19	6012620	6018459	Gm10814	**0.2257**	1553
chr4	52430284	52438964	Smc2os	**0.22552**	600
chr11	98982180	98983016	Gjd3	**0.22545**	802
chr6	21985910	22255606	Cped1	**0.22539**	4692
chr2	164354313	164354383	Mir7678	**0.22535**	68
chr11	83116845	83122659	Slfn1	**0.22528**	1778
chr8	85067568	85067982	Gm5741	**0.22525**	314
chr17	34845101	34845167	Mir6970	**0.22475**	64
chr4	127311420	127314039	Gja4	**0.22454**	1609
chr3	123006206	123034987	Myoz2	**0.22447**	1100
chr2	130295939	130370481	Ebf4	**0.22383**	2540
chrX	9885621	9998864	Sytl5	**0.22371**	6297
chr6	42486163	42487214	Olfr456	**0.22366**	1000
chr7	139972303	139978755	6430531B16Rik	**0.22333**	1102

chr1	98031123	98047793	B230216N24Rik	**0.2233**	1118
chr18	60925632	60988152	Camk2a	**0.22326**	5084
chr4	3901158	3938405	Plag1	**0.2231**	4395
chr1	5913707	5917398	Npbwr1	**0.22305**	3500
chr7	4518308	4522443	Tnni3	**0.22301**	781
chr7	119486587	119523482	Pdilt	**0.22297**	2027
chr5	65863569	65896700	Rhoh	**0.22295**	4700
chr15	5496318	5594983	5430437J10Rik	**0.22197**	1100
chr9	45117876	45130070	Scn2b	**0.22178**	4300
chr13	23573760	23574190	Hist1h2bf	**0.22164**	406
chr3	83766321	83774314	Sfrp2	**0.22153**	1884
chr4	144357964	144364419	Gm13119	**0.22143**	1950
chrX	48108725	48136981	Xpnpep2	**0.22143**	3292
chr12	101082451	101088927	D130020L05Rik	**0.22134**	2000
chr8	54077532	54186454	Vegfc	**0.22115**	1768
chr12	98787775	98901484	Eml5	**0.22109**	8424
chr17	36986855	36989504	H2-M5	**0.22101**	1099
chr17	46254165	46257316	Lrrc73	**0.22101**	1300
chr11	114956278	114960417	Cd300c	**0.22097**	648
chr11	102041511	102055617	Cd300lg	**0.22091**	2565
chr9	121756842	121759943	E530011L22Rik	**0.22065**	2909
chr6	50207403	50261769	Dfna5	**0.22062**	2000
chr9	119102478	119147694	Dlec1	**0.2204**	4930
chr11	16934709	16951282	Eldr	**0.22028**	1615
chr3	15495754	15575065	Sirpb1b	**0.22019**	1400
chr2	126034658	126091185	Fgf7	**0.22005**	2499
chr2	3336168	3340997	Acbd7	**0.2199**	500
chr11	69554092	69560237	Efnb3	**0.21955**	3000
chr19	43956308	43986520	Cpn1	**0.21952**	1671
chr2	148436651	148443535	Cd93	**0.21951**	6193
chr16	30307685	30310781	Gp5	**0.21945**	2051
chr14	21733395	21748622	Dusp13	**0.21923**	1829
chr8	85324929	85381041	Mylk3	**0.21916**	3030
chr18	37447657	37451094	Pcdhb14	**0.219**	3200
chr2	5898060	5942792	Dhtkd1	**0.21885**	3288
chr5	111418166	111457025	Mn1	**0.21885**	5700
chr11	120530727	120538984	Gcgr	**0.21882**	1794
chr1	91801477	91848027	Twist2	**0.21879**	1220
chr18	60376029	60392629	Iigp1	**0.21849**	2900
chr18	4165832	4182236	Lyzl1	**0.2184**	789
chr17	54273590	54299034	Slc5a7	**0.21803**	4800
chr15	11839896	11907371	Npr3	**0.21786**	6786
chr17	17887824	17893952	Fpr2	**0.21786**	1200
chr11	58994256	59136375	Obscn	**0.21755**	25921
chr14	69840407	70059918	Pebp4	**0.21752**	1200
chr18	37680458	37682839	Pcdhgb1	**0.21731**	2200
chr11	49057196	49064212	Tgtp2	**0.21724**	2600

chr11	71153102	71230733	Nlrp1b	**0.21721**	5671
chr7	99466004	99474020	Klhl35	**0.21697**	1800
chr7	4825552	4844696	Shisa7	**0.21696**	5539
chr2	164163619	164171113	Kcns1	**0.21629**	2493
chr15	78891840	78891913	Mir6955	**0.21621**	68
chr18	62548911	62661388	Spink10	**0.21601**	1042
chr8	13136072	13136132	Mir7065	**0.216**	56
chr7	90426312	90428664	Ccdc89	**0.21599**	2160
chrX	75172715	75380041	F8	**0.21592**	6891
chr8	58911755	58914298	BC030500	**0.21579**	1472
chr7	44249855	44249938	Snord88c	**0.21568**	77
chr1	21001397	21079225	Tram2	**0.21531**	1272
chr16	78359860	78377181	Btg3	**0.21512**	64
chr5	137981521	137990232	Azgp1	**0.21487**	1200
chr9	58652880	58741559	Rec114	**0.21474**	784
chr6	125145241	125161782	Iffo1	**0.21472**	2600
chr11	60200538	60200617	Mir6921	**0.2147**	73
chr11	53631323	53634702	Il13	**0.21461**	1100
chr6	149408984	149563326	Bicd1	**0.21423**	8799
chr14	77156763	77721763	Enox1	**0.21385**	3172
chr17	34564295	34588543	Notch4	**0.21377**	6000
chr6	125231276	125239934	E130112N10Rik	**0.21369**	1227
chr11	32188997	32200279	Il9r	**0.21348**	2800
chr5	77205106	77211471	Spink2	**0.21324**	764
chr1	90766860	90843971	Col6a3	**0.21315**	9821
chr17	8988333	9008319	1700010I14Rik	**0.21311**	1701
chr11	55158468	55185077	Slc36a2	**0.21293**	2200
chr11	70705990	70706052	Mir6925	**0.21288**	57
chrX	167304926	167330571	Tlr7	**0.21288**	3600
chr1	14168958	14310199	Eya1	**0.21253**	3922
chr7	28284652	28291134	BC089491	**0.21186**	1094
chr10	127849928	127861176	Rdh19	**0.21175**	1700
chr5	31086106	31093527	Slc30a3	**0.21165**	1800
chr16	94085260	94127032	Sim2	**0.21157**	3300
chr2	64912482	65022766	Grb14	**0.21145**	1765
chr4	138799247	138863469	Pla2g5	**0.2114**	2044
chr7	43472907	43490023	Iglon5	**0.21136**	2306
chr10	93963768	93963863	Mir331	**0.21078**	86
chr14	55824795	55833943	Nfatc4	**0.21035**	3593
chr5	123510460	123511329	B3gnt4	**0.21014**	777
chr15	76120254	76126556	BC024139	**0.21007**	1958
chr8	84701457	84704711	Lyl1	**0.21**	1603
chr5	72300025	72504540	Corin	**0.20986**	4489
chr18	37972623	37998969	Arap3	**0.20983**	4904
chr11	4236785	4241026	Osm	**0.20975**	1700
chr4	86053915	86428382	Adamtsl1	**0.2095**	6980
chr19	34473784	34475135	Ch25h	**0.20884**	1200

chr7	143607685	143627845	Tnfrsf26	**0.20857**	2639
chr10	79617938	79637918	Shc2	**0.20847**	3506
chr2	180398379	180398482	Mir133a-2	**0.20814**	92
chrX	96239926	96243642	F630028O10Rik	**0.20803**	2358
chr1	59256907	59352369	Cdk15	**0.20677**	1298
chr8	95806830	95821728	4930513N10Rik	**0.20668**	2348
chr2	9883142	9889540	9230102O04Rik	**0.20643**	558
chr10	88729541	88731101	Gm4925	**0.2062**	1368
chr8	3743395	3748984	Cd209a	**0.20611**	1300
chr11	68556186	68558245	Mfsd6l	**0.20559**	1800
chr11	49609679	49652739	Flt4	**0.20551**	5100
chr18	57632079	57638585	2210409D07Rik	**0.20549**	400
chr16	13715057	13730983	Pla2g10	**0.20534**	1399
chr9	110857967	110864628	Prss50	**0.20521**	1269
chr6	124304651	124330527	Cd163	**0.20512**	3916
chrX	7673166	7681251	Magix	**0.20511**	2535
chr7	109798691	109865679	Scube2	**0.20503**	3104
chr2	144459280	144467794	Zfp133-ps	**0.20498**	940
chr15	77748613	77755229	Apol8	**0.20482**	1600
chr2	181390886	181459426	Zbtb46	**0.20466**	2900
chr18	37815079	37817983	Pcdhgc4	**0.20386**	2517
chr9	121937275	121947016	1700048O20Rik	**0.20371**	1600
chr5	112688876	112896362	Myo18b	**0.20355**	6990
chr5	24532697	24540448	Asb10	**0.20301**	2000
chr3	94464985	94473591	Riiad1	**0.20269**	541
chr16	3946933	3976632	Nlrc3	**0.20253**	3512
chr10	59403685	59421976	Pla2g12b	**0.20218**	916
chr7	18176494	18181862	Igfl3	**0.20214**	494
chr17	27143971	27167764	Ip6k3	**0.20191**	1978
chr6	114397936	114483296	Hrh1	**0.20188**	3499
chr5	35041553	35048436	Hgfac	**0.20139**	1800
chr6	122626424	122630271	Dppa3	**0.20135**	700
chr9	37539255	37544205	Vsig2	**0.2011**	1000
chr11	52764706	53187347	Fstl4	**0.20087**	2661
chr2	77009906	77170635	Ccdc141	**0.20075**	5400
chr17	24719531	24719965	Snhg9	**0.20057**	156
chr10	22173875	22173901	Raet1b	**0.20043**	23
chr10	70440668	70557685	Fam13c	**0.20023**	2096
chr5	147957320	148316065	Mtus2	**0.19957**	6398
chr18	37731154	37733559	Pcdhgb5	**0.1994**	2039
chr7	122219496	122222539	Chp2	**0.19932**	992
chr11	120635712	120643670	Pycr1	**0.19911**	2466
chr7	126781483	126785548	Tbx6	**0.19893**	1450
chr16	20684256	20684313	Snord66	**0.19878**	49
chr11	108395297	108414396	Apoh	**0.19839**	1000
chr13	23456993	23465901	Btn1a1	**0.19789**	2900
chr17	25242800	25256364	Baiap3	**0.19783**	3787

chr3	122293585	122293703	Mir760	**0.19772**	100
chr6	22288227	22298522	Wnt16	**0.19772**	1400
chr19	5495278	5510489	Snx32	**0.19764**	1386
chr4	156021645	156023824	Gm10560	**0.19761**	708
chr9	51056780	51077094	Layn	**0.19761**	1500
chr18	37854605	37854660	Mir6979	**0.19747**	47
chr6	131219235	131247362	Klra2	**0.19724**	1581
chr7	120982509	121014787	4933427G17Rik	**0.19718**	1578
chr2	25490845	25493911	Lcn12	**0.19717**	600
chr11	62711486	62729093	Zfp287	**0.19682**	4200
chr1	173521311	173535957	BC094916	**0.19656**	1081
chr8	69832704	69872292	Pbx4	**0.19616**	1123
chr3	69222419	69223618	Arl14	**0.19607**	1000
chr4	129684500	129684571	Mir7016	**0.19607**	60
chr13	23745042	23745521	Hist1h3c	**0.19607**	400
chr15	75746843	75747922	Mafa	**0.19607**	900
chr9	45318266	45322079	1700003G13Rik	**0.19577**	540
chr11	89300638	89302559	Nog	**0.19575**	1599
chr3	103966621	103968257	Phtf1os	**0.19548**	1257
chrX	71963021	71972728	Prrg3	**0.19547**	4900
chr6	71373427	71379171	Cd8a	**0.19545**	2600
chr18	36763709	36766214	Dnd1	**0.19533**	1188
chr13	68597439	68614231	1700001L19Rik	**0.19521**	1500
chr17	43801851	44039516	Rcan2	**0.19521**	3200
chr17	28066747	28080639	Tcp11	**0.19513**	1691
chr3	122895072	122899506	Fabp2	**0.19506**	800
chr8	83723903	83723978	Mir1668	**0.19504**	63
chr10	96226207	96248708	4930459C07Rik	**0.19494**	1000
chr15	83226722	83251774	A4galt	**0.19472**	1800
chr7	143021784	143053686	R74862	**0.19462**	3192
chr18	37341702	37345207	Pcdhb7	**0.19462**	2900
chr16	30021842	30039479	9030404E10Rik	**0.19461**	1000
chr1	175632193	175660853	Kmo	**0.1946**	2066
chr19	36554639	36619417	Hectd2	**0.19443**	2517
chr12	85086814	85106431	Prox2	**0.19414**	2213
chrX	136224041	136226100	Tceal7	**0.19385**	800
chr13	23427976	23431017	C230035I16Rik	**0.19372**	508
chr3	108458069	108536522	5330417C22Rik	**0.19369**	2738
chr7	139103638	139213274	Stk32c	**0.19339**	1800
chr7	143005046	143019485	Tspan32	**0.19328**	1500
chr1	133897194	133907999	Optc	**0.19318**	1702
chr7	44731482	44748391	Zfp473	**0.19315**	3300
chr11	101419187	101419253	Mir6929	**0.19315**	55
chr3	59318413	59344256	Igsf10	**0.19308**	6898
chr4	156246966	156255338	Samd11	**0.19307**	1651
chr15	84785376	84856129	Phf21b	**0.19305**	3058
chr5	69516670	69542647	Yipf7	**0.19302**	1000

chr4	134102583	134126780	Ubxn11	**0.19292**	1293
chr19	6400583	6415216	Rasgrp2	**0.19291**	1798
chr17	23917458	23919441	Dcpp3	**0.19286**	500
chr2	122426477	122461130	Slc28a2	**0.19274**	3198
chr11	48985329	48992246	Tgtp1	**0.19265**	2300
chr11	70224127	70229798	Bcl6b	**0.19216**	2798
chr6	52102949	52113684	Halr1	**0.19212**	454
chr10	4266329	4359471	Akap12	**0.19209**	5100
chr15	4020111	4027406	BC037032	**0.1917**	3422
chr17	34039437	34066242	Col11a2	**0.19167**	4566
chr5	24364819	24384180	Nos3	**0.1916**	3118
chr11	59542686	59566956	Nlrp3	**0.19158**	3274
chr13	80940403	80948597	5430425K12Rik	**0.19154**	1020
chr4	116877402	116989105	Zswim5	**0.19152**	4393
chr3	65527485	65529414	4931440P22Rik	**0.19141**	1361
chr14	34375504	34404286	Mmrn2	**0.19139**	3200
chr6	87104746	87113003	D6Ertd527e	**0.19017**	1800
chr9	122682876	122682974	Mir138-1	**0.19013**	80
chr18	10325179	10562941	Greb1l	**0.19**	6800
chr11	108425266	108860615	Cep112	**0.18996**	3030
chr5	116040534	116083246	Tmem233	**0.18991**	565
chr9	106222598	106226876	Tlr9	**0.1898**	2800
chr1	53806874	54195034	Hecw2	**0.18978**	9142
chr12	83213751	83487736	Dpf3	**0.18959**	3037
chr13	58392779	58392886	Mir7-1	**0.18954**	87
chr12	84146131	84148489	Pnma1	**0.18951**	1900
chr6	127149389	127212419	9330179D12Rik	**0.18899**	1200
chr6	67036599	67080652	E230016M11Rik	**0.18897**	1224
chr6	128848044	128891124	BC035044	**0.18878**	2200
chr8	84148038	84172597	4930432K21Rik	**0.18868**	2000
chr16	91688898	91715755	Gm10785	**0.18863**	1326
chr6	48895255	48909187	Aoc1	**0.18815**	2299
chr7	44225437	44229617	Klk1	**0.18802**	700
chr9	107674474	107679592	Gnat1	**0.18765**	1761
chr7	99859218	99917824	Xrra1	**0.18762**	2098
chr3	36475461	36475524	Mir7009	**0.1875**	51
chr3	154711133	154749012	Erich3	**0.18739**	1600
chr10	121641701	121693914	D930020B18Rik	**0.1873**	2728
chr4	149449702	149454968	Rbp7	**0.18696**	472
chr6	7997808	8192617	Col28a1	**0.1869**	3360
chr9	64385626	64709205	Megf11	**0.18678**	5264
chr15	82370527	82380260	Cyp2d22	**0.18674**	2200
chr4	63832824	63861284	Tnfsf8	**0.1866**	1767
chr1	52008244	52107184	Stat4	**0.18659**	2364
chr9	21029373	21030531	Icam4	**0.18652**	719
chr12	26442743	26456452	Rsad2	**0.18618**	2995
chr3	49743296	49757316	Pcdh18	**0.18616**	4089

chr19	9985172	10001633	Best1	**0.18613**	1647
chr10	19622028	19634681	Il22ra2	**0.18609**	1952
chr7	30121948	30135032	Zfp382	**0.18593**	1733
chr15	54745928	54753761	Nov	**0.18584**	1868
chr7	63444772	63759027	Otud7a	**0.1858**	2733
chr13	24582189	24733806	Fam65b	**0.18564**	5814
chr5	92226974	92253159	Ppef2	**0.18562**	1794
chr17	25877628	25880858	Wfikkn1	**0.18556**	2000
chr9	72958785	72973067	Dyx1c1	**0.18545**	1559
chr11	50832031	50841552	Zfp879	**0.18534**	1900
chr14	52016865	52019787	Tmem253	**0.18534**	794
chr11	54303824	54361539	Acsl6	**0.18531**	2421
chrX	136200951	136203851	Tceal5	**0.18527**	800
chrX	123103559	123143293	3110007F17Rik	**0.18491**	723
chr18	60912240	60917768	Arsi	**0.18473**	1352
chr16	77598936	77599000	Mir99a	**0.18461**	51
chr5	129794561	129794676	Snora15	**0.18458**	91
chr7	121083438	121163089	Otoa	**0.18441**	2860
chr4	120930137	120951701	Zfp69	**0.18433**	1852
chr1	46066738	46373550	Dnah7b	**0.18423**	9645
chr9	48654297	48835945	Zbtb16	**0.18403**	4000
chr18	37307455	37311173	Pcdhb4	**0.18347**	2900
chr2	18028239	18030577	Gm17762	**0.18328**	1822
chr11	102881244	102885168	Ccdc103	**0.18321**	1365
chr18	23310020	23659719	Dtna	**0.18286**	5745
chr12	44221356	44224380	Gm2027	**0.18263**	2348
chrX	139779681	139782353	Ripply1	**0.18192**	525
chr4	83378317	83390668	Gm11413	**0.18166**	1128
chr7	59982501	59983277	Snurf	**0.18139**	599
chr11	116216002	116220287	Cdk3-ps	**0.18137**	1100
chr1	34535648	34544311	Cfc1	**0.18134**	800
chr10	82812123	82824242	1700028I16Rik	**0.18114**	813
chr10	128085286	128085363	Mir677	**0.18099**	60
chr12	24043202	24097269	9030624G23Rik	**0.18082**	1743
chr10	77897576	77902536	Lrrc3	**0.18073**	3299
chr10	130322852	130362642	Tespa1	**0.18056**	1300
chr5	98854439	98880960	Bmp3	**0.18055**	2388
chr13	23746734	23747223	Hist1h2bb	**0.18055**	376
chr12	73548483	73551986	2210039B01Rik	**0.18026**	796
chr2	72745846	72813717	6430710C18Rik	**0.18015**	1575
chr19	60755987	60759914	Nanos1	**0.1797**	3000
chr9	95706629	95750358	Trpc1	**0.17967**	2300
chr17	48247729	48258847	Trem3	**0.17961**	800
chr3	116562973	116583134	Lrrc39	**0.17944**	3451
chr1	164062076	164080785	Sell	**0.17943**	1770
chr2	83812728	83881358	Fam171b	**0.17941**	2588
chr11	46668960	46707104	Timd2	**0.17939**	2580

chr7	107567433	107591365	Olfml1	**0.17924**	1500
chr9	44511787	44526421	Cxcr5	**0.17923**	1992
chr19	60837277	60861430	Sfxn4	**0.1792**	2080
chr12	56712634	57197472	Slc25a21	**0.17864**	2100
chr11	104550663	104587219	Myl4	**0.17853**	670
chr15	100730505	100732737	I730030J21Rik	**0.17849**	729
chr6	113493639	113501931	Prrt3	**0.17839**	2913
chr11	69326258	69333041	Kcnab3	**0.17834**	1923
chr13	28460034	28885422	2610307P16Rik	**0.17811**	2056
chrX	136742957	136803361	BC065397	**0.17804**	2370
chr19	5891138	5894107	Tigd3	**0.178**	1600
chr8	105131800	105150109	Ces4a	**0.17794**	1840
chr17	8293366	8311102	4930506C21Rik	**0.17764**	644
chr19	7092011	7105729	Flrt1	**0.17753**	4423
chr11	120646031	120648337	Myadml2	**0.17742**	837
chr6	137252299	137464633	Ptpro	**0.17716**	5081
chr9	62677855	62783979	Itga11	**0.1771**	3716
chr13	49504810	49532789	Ecm2	**0.17705**	2706
chr1	37946738	37957759	Lyg1	**0.17691**	600
chr2	28955481	29055066	1700101E01Rik	**0.17691**	700
chr8	12706944	12719127	Gm15348	**0.17684**	2747
chr13	41649443	41656777	Gm5082	**0.17681**	1300
chr6	113392497	113414571	Ttll3	**0.17679**	2339
chr10	29453107	29535867	Rspo3	**0.17676**	1800
chr17	14978864	14991577	9030025P20Rik	**0.17602**	1586
chr8	93810838	93969388	Gnao1	**0.17598**	5783
chr2	25563115	25571316	Mamdc4	**0.17591**	2983
chr14	70520942	70524081	Sftpc	**0.17581**	600
chr17	33638056	33645706	Pram1	**0.17568**	1727
chr7	3836810	3845051	Pira2	**0.17562**	518
chrX	56374586	56378470	6330419J24Rik	**0.17547**	2285
chr12	80686375	80692466	Plekhd1os	**0.1754**	700
chr2	90782744	90816231	Agbl2	**0.17534**	2580
chr17	48264295	48275358	Treml4	**0.17529**	1300
chr4	117869306	117872470	Ccdc24	**0.17528**	920
chr6	87981683	87984180	Gm5577	**0.17494**	1058
chr1	171767132	171801184	Slamf1	**0.1748**	1997
chr15	76294434	76296896	Smpd5	**0.17461**	1220
chr2	71529445	71533980	Dlx1	**0.17456**	1279
chr1	86351170	86351285	Snora75	**0.17444**	86
chr17	25570811	25575043	2810468N07Rik	**0.17442**	1000
chr2	180622186	180642691	Tcfl5	**0.17438**	1466
chr1	59989068	60043087	Ica1l	**0.17405**	2700
chr10	70925096	71159634	Bicc1	**0.17391**	2292
chr8	22634384	22636809	A930013F10Rik	**0.1739**	1793
chr4	21931326	22001461	Faxc	**0.17378**	6900
chr11	102576399	102579119	Gm11627	**0.17377**	500

chr12	40223364	40229183	Gm7008	**0.17368**	296
chr1	58278326	58379264	Aox2	**0.17366**	3525
chr19	20492715	20556410	E030003E18Rik	**0.17348**	800
chr8	123117374	123135185	Cpne7	**0.17336**	1772
chr13	60895351	60897447	Ctla2b	**0.17327**	623
chr2	73610660	73775346	Chn1	**0.17325**	3471
chr11	58183843	58190198	Gm12250	**0.17303**	1987
chr17	47687610	47691092	Tomm6os	**0.17278**	1465
chr11	106751226	106768794	Milr1	**0.17271**	1761
chr3	94413318	94431499	Tdrkh	**0.17269**	1945
chr12	20804392	20815779	1700030C10Rik	**0.17237**	1263
chr1	173331886	173333503	Ackr1	**0.1723**	848
chr18	65698268	65751537	Oacyl	**0.17227**	2512
chr5	43151686	43235354	Gm7854	**0.17224**	948
chrX	143802237	143827412	Capn6	**0.17218**	2600
chrX	75725458	75764699	4933407K13Rik	**0.17214**	2470
chr6	16833381	16898441	Tfec	**0.17194**	1300
chr9	88595325	88599243	9430037G07Rik	**0.17189**	2321
chr3	15371827	15426427	Sirpb1a	**0.17188**	900
chr3	107438303	107458898	Kcnc4	**0.1718**	2200
chr11	50872723	50887443	Zfp454	**0.17166**	1500
chrX	136981116	137038302	Slc25a53	**0.1713**	2372
chr4	138250411	138260968	Sh2d5	**0.17115**	2284
chr1	152955101	153119261	Nmnat2	**0.17104**	3288
chr11	115462473	115474398	Slc16a5	**0.17101**	2195
chr14	23298694	24004205	Kcnma1	**0.17079**	5688
chr12	105453856	105493095	D430019H16Rik	**0.17071**	4198
chr16	36156811	36161948	Stfa2l1	**0.1705**	300
chr17	43389466	43459557	Gpr116	**0.17017**	6173
chr18	61687935	61692537	Il17b	**0.17001**	500
chr4	140727355	140742643	Padi6	**0.16963**	1682
chr2	35751226	35979624	Ttll11	**0.16952**	2299
chr4	144418191	144438772	1700012P22Rik	**0.16945**	700
chr1	87147655	87156356	Ecel1	**0.16931**	2148
chr14	51763892	51773590	Ang4	**0.16927**	500
chr11	60728663	60728726	Mir5100	**0.16911**	46
chr11	61343400	61378075	Slc47a1	**0.1691**	1893
chr13	34652923	34666774	LOC101056149	**0.16886**	783
chr5	105014153	105053561	Gbp8	**0.16869**	1763
chr11	32000419	32059211	Nsg2	**0.16863**	1700
chr16	35155636	35304549	Adcy5	**0.16856**	3625
chr1	177641542	177642943	2310043L19Rik	**0.16854**	500
chr11	61022564	61073267	Kcnj12	**0.1685**	3499
chr16	32400506	32408227	Tm4sf19	**0.16846**	900
chr11	78394485	78405657	Slc13a2os	**0.16835**	2143
chr18	63010213	63387183	Piezo2	**0.16833**	7672
chr9	21062393	21067093	Zglp1	**0.1682**	722

chr11	17051934	17079372	Cnrip1	**0.16817**	1100
chr2	43748824	44395953	Arhgap15	**0.16778**	4066
chr10	81704825	81881086	Zfp433	**0.16778**	3400
chr6	50566643	50594865	5430402O13Rik	**0.16776**	718
chr15	79251016	79254748	Slc16a8	**0.16763**	1276
chr13	49582747	49592609	Omd	**0.16716**	1244
chr5	30950066	30950248	Abhd1	**0.16714**	130
chr17	36080189	36084249	H2-Bl	**0.16676**	825
chr18	34207775	34221772	Gm10548	**0.16673**	1863
chr14	56059744	56062310	Mcpt4	**0.16637**	700
chr6	143828425	144209568	Sox5	**0.16628**	5181
chr16	33016030	33056186	Iqcg	**0.16606**	1600
chr2	93029348	93033445	4631405J19Rik	**0.16571**	867
chr5	137553555	137569573	Actl6b	**0.16567**	1090
chr1	191998554	191998634	Mir3473c	**0.16557**	57
chr3	84593574	84597032	Tigd4	**0.16557**	2434
chr11	48946411	48979303	9930111J21Rik1	**0.16536**	1504
chr17	35064437	35065562	G6bos	**0.16483**	634
chr1	57359222	57377544	4930558J18Rik	**0.16477**	1437
chr8	68368459	68375710	1700125H03Rik	**0.16439**	531
chr2	116074548	116076096	2810405F15Rik	**0.16435**	1082
chr1	33852052	33907621	Bend6	**0.16425**	1600
chr5	139406387	139416092	C130050O18Rik	**0.16421**	1400
chr5	98929773	99037079	Prkg2	**0.16399**	3273
chr8	105289924	105296098	Exoc3l	**0.16396**	1740
chr15	98985965	98989281	4930578M01Rik	**0.16369**	631
chr3	107036162	107038129	Kcna3	**0.16367**	1369
chr9	60713121	60738801	Larp6	**0.16362**	1605
chr6	124624625	124636085	C1s2	**0.16343**	1849
chr5	45668701	45669708	1600023N17Rik	**0.16339**	700
chr9	120304073	120474834	Myrip	**0.16305**	3300
chr2	91922189	91929804	Chrm4	**0.16298**	1900
chr6	49085218	49214954	Igf2bp3	**0.16287**	3009
chr5	138225904	138251875	Nxpe5	**0.16283**	1600
chr2	167690759	167697413	A530013C23Rik	**0.16278**	1531
chrX	73892102	73894351	Avpr2	**0.16274**	1200
chr8	70072924	70080066	Tm6sf2	**0.16272**	1000
chr8	94152607	94154148	Mt3	**0.16269**	372
chr7	34011919	34013942	Scgb2b27	**0.16227**	400
chr17	25274124	25275528	Gm17801	**0.16223**	866
chr7	114745766	114850380	Insc	**0.1622**	1600
chr7	28129466	28164811	9530053A07Rik	**0.16219**	5461
chr14	26894604	26915257	Asb14	**0.16219**	1389
chrX	167242732	167263788	Tlr8	**0.16197**	2174
chr11	50602085	50807573	Adamts2	**0.16193**	5000
chr6	84008598	84211059	Dysf	**0.16179**	4860
chr4	143349750	143371028	Lrrc38	**0.16178**	1600

chr16	21891969	21931877	Map3k13	**0.16157**	4607
chr3	131290491	131303227	Cyp2u1	**0.1614**	1599
chr5	33983474	33985006	Gm1673	**0.16125**	294
chr7	105425820	105436338	Cckbr	**0.16109**	1700
chr13	76384961	77031810	Mctp1	**0.16095**	2934
chr5	147330742	147400489	Flt3	**0.16089**	2500
chr7	110868258	110982461	Mrvi1	**0.16079**	4170
chr3	96282909	96293969	Fcgr1	**0.16077**	1769
chr11	58608206	58613492	2210407C18Rik	**0.16061**	600
chr7	44253087	44257204	Acpt	**0.16054**	872
chr2	104886324	104999656	Ccdc73	**0.16049**	2635
chr10	61297836	61304263	Prf1	**0.16037**	1400
chr6	129831154	129876672	Klra17	**0.15992**	800
chr1	74601455	74636893	Stk36	**0.15977**	3554
chr14	32785963	32817968	1810011H11Rik	**0.15973**	1000
chr4	145268976	145315147	Tnfrsf8	**0.15955**	1068
chr5	139907943	139974724	Elfn1	**0.15944**	2598
chr18	32939041	33195767	Camk4	**0.15944**	8356
chr9	21032038	21039036	Icam5	**0.1593**	2019
chr10	75589381	75616968	Ggt5	**0.15925**	2800
chr19	28923064	28963919	4430402I18Rik	**0.15907**	1296
chrX	99821069	99846345	Tmem28	**0.15902**	957
chr4	116589733	116597630	C530005A16Rik	**0.15899**	1119
chr1	160074735	160075030	4930562F07Rik	**0.15898**	200
chr12	59095800	59109130	Mia2	**0.15869**	1098
chr15	77698889	77719288	Apol7e	**0.15848**	1500
chr5	96373955	96784728	Fras1	**0.15834**	10665
chr6	135237330	135254336	Gsg1	**0.15834**	1000
chr3	141837136	142169228	Bmpr1b	**0.15832**	3754
chr10	120857629	120863328	Gm15910	**0.15828**	2000
chr9	21958899	21963576	Epor	**0.15823**	1230
chr13	62129890	62173936	Zfp808	**0.15814**	2093
chrX	73074345	73082507	Xlr4a	**0.15804**	800
chr19	42036038	42045110	Ankrd2	**0.15786**	738
chr2	155356817	155356925	Mir695	**0.15758**	73
chrX	102066542	102071307	Rgag4	**0.15758**	2900
chr7	132315664	132318291	Gm10584	**0.15757**	1687
chr7	64501706	64753876	Apba2	**0.15754**	2300
chr3	54755582	54801269	Smad9	**0.15744**	3600
chr4	63724603	63745113	Tnfsf15	**0.15741**	3899
chr7	99479563	99479707	Snord15b	**0.1574**	97
chr7	62417593	62420139	Mkrn3	**0.15704**	1700
chr2	181587900	181587968	Mir7006	**0.15686**	46
chr5	139369650	139369745	Mir339	**0.15686**	64
chr14	69029289	69041401	Stc1	**0.1564**	2488
chr3	96219916	96220353	Hist2h2ab	**0.15632**	291
chr6	55451978	55501455	Adcyap1r1	**0.15632**	4149

chr10	41914990	42018382	Armc2	**0.15592**	3224
chr5	113075839	113081584	Crybb3	**0.15582**	502
chr7	109712181	109723771	BC051019	**0.15581**	1286
chr8	123235091	123242355	4933417D19Rik	**0.15574**	787
chr2	26637847	26637985	Snora43	**0.15573**	92
chr12	80518990	80603896	Galnt16	**0.1557**	2594
chr6	65671611	65706930	Ndnf	**0.15562**	3098
chr7	7130678	7136755	Zfp773	**0.15556**	2000
chr4	124855243	124862171	Maneal	**0.15553**	1800
chr12	58264720	58269258	Clec14a	**0.15551**	3000
chr12	33111711	33147586	F730043M19Rik	**0.15549**	1025
chr14	51007751	51010758	Rnase10	**0.15545**	1100
chr19	57323197	57360899	B230217O12Rik	**0.15509**	1288
chr1	50927523	51187270	Tmeff2	**0.15503**	2200
chr15	68341208	68341289	Mir30d	**0.15495**	54
chr3	15948070	16006332	Gm5150	**0.15463**	600
chr10	44170447	44219585	Speer5-ps1	**0.15459**	1000
chr11	116752167	116757883	BC018473	**0.15431**	2140
chr16	11008898	11015184	Gm4262	**0.15417**	1300
chr2	126320973	126491553	Atp8b4	**0.15414**	3622
chrX	135839034	135844730	Gprasp2	**0.15406**	2500
chr18	37400855	37403909	Pcdhb9	**0.15403**	2000
chr1	74738922	74748955	Prkag3	**0.15378**	1851
chr2	93642434	93681339	Alx4	**0.15375**	3400
chr17	10319919	10321141	B930003M22Rik	**0.15372**	799
chr10	75316877	75334792	Adora2a	**0.15352**	1699
chr10	62804570	62880014	Tet1	**0.1535**	9187
chr19	43675178	43677170	BC037704	**0.15347**	1300
chr7	35493610	35537744	Tdrd12	**0.15342**	1057
chr6	51379710	51392791	Gm6559	**0.15278**	1100
chr7	109998377	110006646	1600010M07Rik	**0.15278**	400
chr16	23146536	23157968	Adipoq	**0.15278**	800
chr8	105518746	105523988	Hsd11b2	**0.1527**	1200
chr4	135895404	135920210	Cnr2	**0.15239**	2500
chr17	84078660	84089875	4933433H22Rik	**0.15217**	1157
chr18	67464849	67480581	Slmo1	**0.15201**	1400
chr11	16951410	16954772	Fbxo48	**0.15193**	1367
chr14	30040467	30491156	Cacna1d	**0.15182**	5629
chr9	123852315	123862029	Xcr1	**0.15175**	2872
chr16	38902345	39027157	Igsf11	**0.15171**	2200
chr1	75375297	75432304	Speg	**0.15144**	7674
chr8	72646711	72714748	Nwd1	**0.15121**	4964
chr12	24665838	24681795	Cys1	**0.15117**	1161
chr6	5725639	6028039	Dync1i1	**0.15115**	1800
chr1	162916551	162937225	Fmo6	**0.15099**	1200
chr3	59216271	59262831	P2ry12	**0.15095**	1500
chr11	50921786	50931635	Zfp354b	**0.15095**	1600

chr6	142564939	142571356	Kcnj8	**0.15055**	1400
chr7	45639977	45645768	Mamstr	**0.15052**	1394
chr1	156839023	156861079	Angptl1	**0.15034**	1400
chr8	104446719	104509887	Ccdc79	**0.15027**	1884
chr9	108826320	108852969	Celsr3	**0.15024**	7373
chr7	4690928	4715997	Brsk1	**0.15021**	1559
chr3	95386458	95402841	4930558C23Rik	**0.15002**	468
chr4	134211968	134227383	Catsper4	**0.14986**	1100
chr17	24719676	24719832	Snora78	**0.14986**	100
chr17	34238905	34245908	H2-Ob	**0.14981**	1700
chr14	123660140	123974079	Itgbl1	**0.14974**	1500
chr11	46740223	46779578	Havcr1	**0.14972**	1335
chr4	154026644	154042677	Ccdc27	**0.14971**	1326
chr13	22042478	22042949	Hist1h2ag	**0.14955**	300
chr8	84901928	84905295	Klf1	**0.14939**	974
chr1	161987302	162478034	Dnm3	**0.14937**	4776
chr13	58004957	58102428	Klhl3	**0.14928**	1359
chr17	65637505	65642204	Txndc2	**0.14881**	1201
chr18	37661945	37664365	Pcdhga1	**0.14879**	1531
chr19	42197971	42202252	Sfrp5	**0.1486**	1200
chr19	26768801	26823907	4931403E22Rik	**0.14857**	418
chr5	76840599	76873554	C530008M17Rik	**0.14854**	4315
chr17	31152752	31163052	LOC102631757	**0.14842**	926
chr11	116280939	116283938	Galr2	**0.14833**	1223
chr2	145701195	145753672	BC039771	**0.14824**	1313
chr3	8509527	8561604	Stmn2	**0.14817**	1199
chr17	49615172	49909847	Kif6	**0.14812**	2221
chr5	138280509	138312393	Stag3	**0.14803**	2660
chrX	13042015	13045295	5730405O15Rik	**0.14802**	558
chr6	136828843	136840557	BC049715	**0.14793**	657
chr11	113619481	113625895	Sstr2	**0.1479**	963
chr1	65105285	65123214	D630023F18Rik	**0.14786**	1676
chr2	167203196	167240537	Ptgis	**0.14781**	1100
chr13	21782915	21783397	Hist1h3i	**0.1476**	303
chr17	27091245	27091311	Mir7677	**0.14749**	42
chr1	156255296	156303606	Tdrd5	**0.14731**	2140
chr12	41451668	41486057	Lrrn3	**0.14705**	2200
chr10	127225695	127263363	Kif5a	**0.14693**	4375
chr8	24677234	24725825	Adam3	**0.14681**	1689
chr5	24319589	24351604	Kcnh2	**0.14675**	2899
chr5	109833501	109834142	Gm10416	**0.1466**	400
chr10	116776545	116896879	Myrfl	**0.14628**	1936
chr7	30865404	30880342	Cd22	**0.14614**	2700
chr16	10170228	10174911	Rpl39l	**0.14614**	500
chr5	52607550	52619011	8030423F21Rik	**0.14596**	1768
chr16	42907645	43619123	Zbtb20	**0.14588**	2064
chr11	74619605	74641516	E130309D14Rik	**0.14586**	2481

chr2	163820834	163833147	Wisp2	**0.14581**	1100
chr11	99948475	99949551	Krtap9-5	**0.14572**	667
chr7	4504570	4515975	Tnnt1	**0.14571**	636
chr1	171250422	171259922	Adamts4	**0.14554**	2272
chr6	54452883	54503768	Wipf3	**0.14552**	2600
chr9	77102084	77347870	Mlip	**0.14552**	757
chr16	45224337	45252895	Btla	**0.14539**	1999
chr18	20247340	20283923	Dsg1c	**0.14496**	1836
chr5	37735519	37739820	Cytl1	**0.14494**	600
chr19	10455371	10457447	Lrrc10b	**0.14489**	1279
chr11	30885358	30893725	Gpr75	**0.14462**	1796
chr19	10740947	10786043	A430093F15Rik	**0.14462**	1300
chr9	52002061	52048705	Gm6981	**0.14445**	900
chr2	165395450	165400394	Ocstamp	**0.14435**	1200
chr10	82866626	82867929	Eid3	**0.14435**	800
chr11	106377656	106382641	Icam2	**0.14422**	700
chr11	53433286	53437902	Gdf9	**0.14347**	1100
chr8	84208672	84208758	Mir27a	**0.14334**	53
chr2	130801966	130804101	Gm14057	**0.14309**	1299
chr12	4862438	4874359	Mfsd2b	**0.14306**	1900
chr2	148846714	148850934	9230104L09Rik	**0.14303**	400
chr16	38396117	38433145	Pla1a	**0.14303**	1200
chr18	37736936	37739543	Pcdhga9	**0.14263**	1581
chr15	63824346	63845176	Gsdmc2	**0.14248**	1400
chr19	12599984	12627616	Gm4952	**0.14243**	974
chrX	104854952	104857267	Magee2	**0.14223**	1400
chr7	29170210	29173933	Ggn	**0.14208**	1602
chr14	104462325	104467999	Pou4f1	**0.142**	2291
chr10	84547417	84553338	C330046G13Rik	**0.14198**	805
chr8	70895508	70895570	Mir7067	**0.14192**	38
chr12	76444497	76448698	Gm10451	**0.14175**	538
chr14	15357516	15438987	Lrrc3b	**0.14165**	1000
chr13	51171025	51175187	Nxnl2	**0.14162**	700
chr1	157506796	157568424	Sec16b	**0.14158**	2798
chr11	107734780	107794464	Cacng4	**0.14156**	592
chr2	31887281	31946535	Lamc3	**0.14153**	3567
chr18	44661665	44676271	A930012L18Rik	**0.14143**	1079
chr7	104218795	104235152	Trim6	**0.14141**	2300
chr14	58072686	58112720	Fgf9	**0.14132**	2486
chr3	146149833	146195511	Mcoln2	**0.14126**	1600
chr13	22035821	22036320	Hist1h2bk	**0.14117**	300
chr1	93135240	93145421	Agxt	**0.14105**	931
chr13	67729262	67756838	Zfp85os	**0.14104**	1700
chr4	129111627	129121925	Hpca	**0.14093**	1065
chr3	87376387	87392133	Fcrl1	**0.1408**	1222
chr7	145300909	145309557	Mrgprf	**0.14075**	1200
chr15	79258195	79285509	Baiap2l2	**0.1407**	1239

chr5	24751002	24757843	Crygn	**0.14063**	361
chr11	62604530	62604586	Snord65	**0.14035**	34
chr3	121634936	121646453	A730020M07Rik	**0.14029**	1645
chrX	73033981	73037103	Pnma5	**0.14023**	1363
chr13	48538179	48538272	Mirlet7a-1	**0.14017**	56
chr2	160311401	160327494	Gm826	**0.14006**	653
chr14	32659119	32685272	3425401B19Rik	**0.13998**	3300
chr15	102150575	102163436	Soat2	**0.13956**	1261
chr6	37530173	37568815	Akr1d1	**0.13948**	1600
chr15	78537015	78544345	Sstr3	**0.13945**	2328
chr18	37435621	37438654	Pcdhb12	**0.13944**	1798
chr15	85581142	85593708	AU022754	**0.13935**	1740
chr11	101330606	101339430	Aoc3	**0.13916**	2600
chr14	20702012	20703026	6230400D17Rik	**0.13909**	600
chrX	37082912	37083033	Snora69	**0.13886**	72
chr3	32817626	32935257	Usp13	**0.13873**	2763
chr2	164025224	164050538	Pabpc1l	**0.13871**	1521
chr2	76703984	76982547	Ttn	**0.13844**	61382
chr11	94408391	94474198	Cacna1g	**0.13837**	4836
chr9	22411577	22444679	9530077C05Rik	**0.13831**	1268
chr7	59969577	59974431	D7Ertd715e	**0.1383**	1289
chr8	22073616	22125053	Nek5	**0.1383**	1413
chr14	33954022	33964216	Rbp3	**0.13825**	3100
chr6	91987110	92076005	Fgd5	**0.13811**	3300
chr12	110667689	110682619	1700001K19Rik	**0.13787**	559
chr2	165111507	165234737	Cdh22	**0.13779**	2100
chr5	35581227	35588618	4931431C16Rik	**0.13778**	1461
chr4	137159082	137165066	Gm13003	**0.13774**	1700
chr10	93336232	93348879	Gm17745	**0.1376**	500
chr8	113698137	113848839	Adamts18	**0.13754**	2838
chr4	24973419	25009233	Gpr63	**0.1375**	1385
chr7	55768178	55778833	Siglech	**0.13742**	1400
chr15	82274935	82294442	Sept3	**0.13731**	2761
chr2	31806168	31810518	Qrfp	**0.13724**	1670
chr2	103338601	103372764	A930006I01Rik	**0.13722**	1300
chr7	127017542	127021211	Prrt2	**0.13711**	1451
chr3	104944805	104961709	Wnt2b	**0.13691**	2079
chr4	150119344	150144168	Slc2a5	**0.1368**	1800
chr3	105973802	105987423	Ovgp1	**0.13679**	1468
chr10	79531029	79531090	Mir6909	**0.13662**	36
chr15	79609576	79658956	Fam227a	**0.13658**	3011
chr1	78511060	78538173	Mogat1	**0.13657**	700
chr2	157329496	157346655	Ghrh	**0.13653**	300
chr11	70639122	70642055	Gp1ba	**0.1364**	1582
chr1	86099037	86111970	Htr2b	**0.13627**	1200
chr8	123212858	123222045	Spata33	**0.13627**	300
chr17	45732864	45733844	1600014C23Rik	**0.13627**	300

chr1	60746388	60773359	Cd28	**0.13626**	2500
chr11	101367730	101377903	G6pc	**0.13625**	1300
chr6	86028681	86124409	Add2	**0.13623**	4791
chr16	11203383	11225796	2610020C07Rik	**0.13612**	1109
chr11	68503019	68552698	Pik3r6	**0.136**	1871
chr9	65398488	65414853	Rasl12	**0.13521**	2175
chrX	73192179	73202930	Xlr3b	**0.13518**	929
chr11	44400063	44414017	Il12b	**0.13507**	1120
chr12	88365314	88377323	3200001D21Rik	**0.13501**	1310
chr5	142702101	142722490	Slc29a4	**0.13498**	1600
chrX	85870273	85891499	5430427O19Rik	**0.13498**	2200
chr15	98708227	98723333	Ccdc65	**0.13488**	1076
chr14	73206763	73206851	Mir687	**0.13483**	51
chr1	191894072	191903585	1700034H15Rik	**0.1348**	2231
chr5	87666208	87682577	Csn1s1	**0.13478**	822
chr11	120007316	120047145	Aatk	**0.13441**	3279
chr6	83034224	83052564	Loxl3	**0.13428**	2006
chr18	62592413	62596264	Spink7	**0.13406**	147
chr2	25575416	25580099	Gm996	**0.13397**	2667
chr2	121453482	121456764	Serinc4	**0.13394**	719
chr14	31208312	31211711	Tnnc1	**0.13388**	400
chr5	16553495	16619439	Hgf	**0.13381**	1614
chr11	64520198	64522835	Hs3st3a1	**0.13379**	1500
chr19	36621136	36689479	1500017E21Rik	**0.1336**	536
chr1	85246344	85270566	C130026I21Rik	**0.13334**	1117
chr17	48932582	49097590	Lrfn2	**0.13329**	1700
chr18	37320381	37323913	Pcdhb5	**0.13319**	2000
chr6	48746197	48754200	Gimap5	**0.13284**	1097
chr2	25624667	25627974	Fcna	**0.1322**	740
chr10	97607205	97613688	Kera	**0.132**	1094
chr12	81376991	81379486	Gm4787	**0.13197**	1400
chr10	105574551	105583870	Gm15663	**0.1316**	1792
chr10	78030022	78043610	Aire	**0.131**	1128
chr1	110889195	110977372	Cdh19	**0.13097**	1700
chr17	66555252	66594622	Themis3	**0.13086**	1000
chr13	36725622	36734477	Nrn1	**0.13055**	900
chr8	84946991	84956603	Rtbdn	**0.13047**	1058
chr14	75016027	75052532	5031414D18Rik	**0.13047**	1470
chr4	126286794	126314330	Col8a2	**0.13038**	2400
chr4	121039566	121055325	Col9a2	**0.13024**	1520
chr16	32271609	32274779	Smco1	**0.12999**	700
chr17	74426295	74459108	Nlrc4	**0.1299**	2119
chr16	19760234	19772753	B3gnt5	**0.12986**	2689
chr9	58823512	58860955	Hcn4	**0.12979**	2095
chr16	10420559	10447350	Tvp23a	**0.12971**	1548
chr15	100761747	100823971	Slc4a8	**0.12966**	6499
chr3	95871522	95889093	C920021L13Rik	**0.1294**	831

chr13	31625816	31631406	Foxf2	**0.12928**	1300
chr5	112385445	112392213	Asphd2	**0.12913**	871
chr7	43457497	43457569	Mir7051	**0.12892**	40
chr16	66655421	67620908	Cadm2	**0.12892**	5100
chr15	74709161	74710374	4933427E11Rik	**0.12881**	623
chr9	73479424	73933567	Unc13c	**0.12873**	4420
chr4	120697473	120747176	Kcnq4	**0.1286**	1373
chr2	157560078	157562525	Nnat	**0.12856**	730
chr4	111972927	111988221	Skint7	**0.12842**	1269
chr14	52209786	52209884	Snord8	**0.12834**	54
chr8	105931994	105933862	Ctrl	**0.12824**	484
chr17	22776230	22817747	Gm16386	**0.12821**	2300
chr17	23972127	23975230	Prss30	**0.12813**	800
chr1	55170160	55226782	Rftn2	**0.12801**	2000
chrX	103573060	103573154	Mir374b	**0.12787**	25
chr5	116438722	116465487	Srrm4os	**0.1278**	1787
chr13	120300392	120308841	BC147527	**0.1278**	900
chr11	116330704	116335354	Foxj1	**0.12777**	1400
chr16	28158584	28753243	Fgf12	**0.12775**	4018
chr4	125490831	125714173	Grik3	**0.12773**	4800
chr15	101624028	101628188	Gm5414	**0.12764**	900
chr1	194955759	194976959	Gm16897	**0.12754**	1270
chr7	29158829	29168647	Spred3	**0.12739**	2196
chr13	33084103	33094380	Serpinb1b	**0.12696**	927
chr5	120876142	120887598	Oas1g	**0.12668**	1073
chr16	42248561	42340651	Gap43	**0.1266**	700
chr2	118277098	118373419	Gpr176	**0.12634**	2100
chr7	142544609	142558598	Nctc1	**0.12625**	1130
chrX	21079150	21089229	Zfp300	**0.12623**	2499
chr2	180499976	180544979	Ntsr1	**0.12618**	2100
chr2	164698501	164702448	Spint4	**0.12616**	400
chr4	14505197	14621778	Slc26a7	**0.12613**	1271
chr4	119637732	119639465	Guca2a	**0.12605**	300
chr17	66666848	67354459	Ptprm	**0.12595**	2981
chr6	142821541	142964452	St8sia1	**0.12592**	4734
chr13	107469822	107479188	AI197445	**0.12582**	3000
chr11	75164565	75170255	Hic1	**0.12571**	2400
chr17	14818672	14943124	Wdr27	**0.12553**	1472
chr10	40630011	40649931	Ddo	**0.12549**	1600
chr2	157208548	157279549	Mroh8	**0.12544**	1769
chr17	3557824	3559863	1700102H20Rik	**0.12538**	300
chr5	67607883	67613987	Shisa3	**0.12535**	2000
chr9	111561434	111690216	Stac	**0.12527**	1339
chr2	155097791	155100079	2310005A03Rik	**0.12507**	741

Chromosome	Start Position	Stop Position	Gene	2 year Male RPKM Value	2 year Male Raw Count
chr19	47854989	47864788	Gsto1	**18023.16077**	91214603
chr11	100131759	100135949	Krt15	**6059.40306**	45431752
chrX	167207094	167209218	Tmsb4x	**5641.12661**	16475623
chr19	44394450	44407709	Scd1	**3028.42055**	63854788
chr11	120729485	120732021	Cbr2	**4645.95679**	20677694
chr15	101707070	101712891	Krt5	**3349.95805**	31980458
chr9	78478454	78481724	Eef1a1	**2498.85085**	19487309
chr11	100203162	100207510	Krt14	**2694.62914**	19498818
chr11	100117596	100121495	Krt13	**3080.49651**	17644822
chr2	85484092	85518935	4833423E24Rik	**1438.67729**	10567311
chr1	120113280	120121096	Dbi	**1505.93085**	4890604
chr7	126623246	126625470	Nupr1	**1299.69136**	3546629
chrX	100402222	100442717	Awat2	**1403.71289**	13002846
chr3	92483954	92485881	Sprr1a	**1419.65633**	4888904
chr6	86628174	86629704	Asprv1	**1568.51717**	10468047
chr9	61913283	61914510	Rplp1	**2104.16821**	4292670
chr13	3802893	3804318	Calml3	**2218.80445**	13792397
chr7	18884690	18890438	Pglyrp1	**3582.24134**	10634159
chr19	44333326	44346743	Scd4	**1099.77114**	14727354
chr15	101918535	101924735	Krt4	**2540.88186**	23625256
chr16	36359382	36367570	BC100530	**3435.65773**	6604648
chr9	83778692	83806305	Elovl4	**1145.01879**	15243435
chr3	90612894	90614414	S100a6	**2377.09687**	7450355
chr6	135362931	135383173	Emp1	**2368.64397**	31450741
chr4	118428093	118432900	Elovl1	**1175.72617**	9676301
chr9	69453683	69491785	Anxa2	**1957.71555**	11725666
chr7	28864386	28866284	Lgals7	**1281.48581**	3334950
chr4	106561038	106589113	Dhcr24	**973.89955**	17100343
chr9	78191966	78209349	Gsta4	**1754.57427**	7327207
chr5	36204021	36206567	Psapl1	**918.24268**	10195009
chr6	115805556	115808743	Rpl32	**1557.63441**	3136958
chr15	101929332	101940324	Krt79	**848.95386**	7760393
chr10	18845071	18857072	Perp	**1201.00383**	9947162
chr19	20373434	20390671	Anxa1	**1703.01882**	10356067
chr11	100256217	100260989	Krt17	**826.0045**	5440616
chr10	78425670	78427622	Cstb	**894.33653**	2346922
chr7	142375916	142387870	Ctsd	**913.55105**	7781415
chr5	115559467	115563729	Rplp0	**1221.80952**	7243419
chr11	61208742	61218416	Aldh3a1	**1242.85458**	8641362
chr15	101733949	101743097	Krt71	**975.48622**	9244467
chr18	60774596	60778546	Rps14	**1178.73139**	3067541
chr15	101689928	101694305	Krt6a	**1170.56298**	11521789
chr9	64173387	64178562	Rpl4	**1015.2828**	6293436
chr7	45125563	45128745	Rpl13a	**1209.78051**	5410721
chr7	19696244	19699166	Apoe	**775.70088**	4230121

chr10	80292431	80294114	Rps15	**996.50092**	2267511
chr15	76904071	76906318	Rpl8	**946.64549**	3557098
chr19	5344705	5349574	Cst6	**556.20413**	9579491
chr7	140967429	140969827	Ifitm1	**1463.81711**	5360031
chr5	142903116	142906724	Actb	**928.21213**	7643291
chr8	64718145	64733578	Msmo1	**744.63649**	5920663
chr11	48800360	48806241	Gnb2l1	**978.99092**	5351523
chr7	27119955	27133660	Cyp2f2	**1015.36587**	8055549
chr4	41092724	41098183	Aqp3	**1108.31932**	8517623
chr7	3704041	3706897	Rps9	**924.51828**	2833166
chr15	101676023	101680289	Krt6b	**1060.99012**	10346144
chr10	81176631	81182509	Eef2	**802.35533**	10842505
chr7	12922311	12926686	Rps5	**907.35212**	2926906
chr4	86656565	86670059	Plin2	**518.32303**	4263572
chr11	99315844	99322941	Krt25	**759.78029**	5468098
chr3	138277645	138290691	Adh1	**690.60919**	4015960
chr13	64363214	64370306	Ctsl	**528.40333**	4539974
chr9	110281287	110281409	Mir6236	**265.49183**	142350
chr19	6906819	6909645	Prdx5	**823.44486**	2469586
chr4	4056666	4077514	Sdr16c6	**518.0725**	2664856
chr16	89487374	89487952	Krtap8-1	**639.65795**	1614461
chr8	19225478	19228209	Defb6	**547.18616**	770440
chrX	100572247	100578206	Awat1	**499.77096**	3039110
chr14	73362232	73385271	Itm2b	**713.79227**	5513619
chr1	16101296	16104433	Rpl7	**688.81291**	2801458
chr7	45122388	45124389	Rps11	**727.4814**	1909060
chr6	138140537	138156752	Mgst1	**606.84959**	2494560
chrX	102184943	102188371	Rps4x	**705.56721**	2694286
chr2	122147687	122153082	B2m	**685.80035**	2564993
chr3	93555117	93564645	S100a10	**917.88632**	2600779
chr2	180257379	180258444	Rps21	**694.69401**	1184054
chr3	59925214	59937949	C130079G13Rik	**524.28084**	6374024
chr3	90526849	90528835	S100a14	**714.53687**	3410672
chr17	45567778	45573261	Hsp90ab1	**575.52114**	6289510
chr7	141447650	141451342	Rplp2	**719.5405**	1383232
chr10	128548110	128549168	Rpl41	**707.49064**	1384740
chr11	99385256	99389364	Krt10	**512.43278**	4673043
chr3	93520496	93526288	S100a11	**763.65067**	1677747
chr18	67343564	67367794	Cidea	**490.56912**	2489169
chr17	33951999	33955641	Rps18	**642.94001**	1468598
chr7	30787905	30791083	Krtdap	**405.10229**	805250
chr15	74762056	74763567	Ly6d	**396.9559**	1195698
chr8	64592551	64693040	Cpe	**421.62195**	3848585
chr11	99345566	99351094	Krt27	**538.2712**	3611112
chr9	50494525	50505639	Plet1	**749.53494**	5178719
chr3	92500263	92500493	Sprr4	**332.56163**	334877
chr2	164562716	164568506	Wfdc2	**916.34838**	2828102

chr10	128083307	128090388	Atp5b	**570.153**	4670027
chr6	11900373	11907446	Ndufa4	**726.44981**	1558016
chr3	10012585	10016610	Fabp5	**460.39611**	1912607
chr14	63122462	63145149	Ctsb	**406.38914**	7031118
chr13	3837757	3838671	Calm4	**414.44044**	1653044
chr2	127633226	127656695	Mal	**770.35788**	9328804
chr7	99477897	99483709	Rps3	**602.2317**	4930153
chr15	101845426	101850786	Krt1	**380.15352**	4055031
chr7	99153663	99182713	Dgat2	**374.82204**	3677916
chr1	107045587	107052303	Serpinb3a	**273.5617**	1942574
chr6	125460266	125494755	Cd9	**471.34914**	2449177
chr16	89507703	89508323	Krtap7-1	**421.58407**	1141240
chrX	36598225	36606079	Pgrmc1	**432.24739**	3463212
chr7	119442544	119459272	Gp2	**799.92123**	6897230
chr14	34085979	34100568	Anxa8	**477.05317**	3907462
chr7	126795234	126800447	Aldoa	**512.14658**	3902446
chr6	148047416	148182760	Far2	**312.3878**	3486063
chr4	133600556	133602168	Sfn	**504.80289**	3549420
chr10	43579169	43584265	Cd24a	**799.2495**	6327023
chr10	128624529	128626506	Rps26	**510.11768**	996207
chr3	92122204	92123947	Prr9	**416.98282**	2150325
chr19	46131899	46135685	Elovl3	**348.32896**	2839438
chr9	43310763	43336125	Trim29	**392.89639**	4846918
chrX	36795652	36798806	Slc25a5	**421.28869**	2273535
chr3	90541223	90543151	S100a16	**464.88801**	2150131
chr16	56805161	56886163	Tmem45a	**293.9136**	3456709
chr19	9980600	9985111	Fth1	**595.09513**	3919693
chr3	93442330	93449077	Tchh	**314.31034**	7978232
chr17	33996012	34000333	H2-K1	**487.95407**	3501144
chr7	26835339	26843264	Cyp2a5	**292.51177**	2186798
chr15	74955051	74959905	Ly6e	**515.44307**	5170095
chr11	100140811	100145919	Krt19	**542.6314**	3250071
chr3	86137940	86142668	Rps3a1	**452.41404**	1859726
chr2	73908447	73911326	Atp5g3	**429.76089**	1356334
chr11	120560304	120572936	P4hb	**367.33895**	4064057
chr7	29256330	29281977	Spint2	**431.29747**	2744928
chr18	84851414	84879863	Cyb5a	**364.67028**	1190648
chr8	84842088	84846931	Calr	**372.90678**	3158452
chr12	8921307	8938741	Laptm4a	**496.33003**	4606249
chr4	3834473	3835600	Rps20	**439.98324**	962811
chr2	94032697	94157909	Hsd17b12	**344.84861**	2764467
chr18	77773768	77782868	Atp5a1	**376.12621**	3985839
chr14	47373860	47386167	Lgals3	**539.23146**	3304926
chr3	87948693	87953372	Crabp2	**259.56575**	1018336
chr12	8771396	8793687	Sdc1	**361.59053**	4816944
chr15	101412403	101427806	Krt7	**570.19582**	3942107
chr3	101576219	101604707	Atp1a1	**395.94925**	6389651

chr10	128490861	128493825	Myl6	**403.47365**	1079903
chr3	93014205	93015686	Crct1	**283.95209**	887494
chr3	67478886	67515523	Rarres1	**218.00213**	1340877
chr15	74994877	74998031	Ly6a	**615.37703**	2687882
chr7	46845804	46855627	Ldha	**440.53893**	3706319
chr15	99392947	99410049	Tmbim6	**363.70983**	4444054
chr6	67534059	67535822	Tacstd2	**400.95807**	3083179
chr19	10870661	10881743	Tmem109	**295.32162**	2483297
chr4	115088708	115093894	Pdzk1ip1	**451.21021**	2220619
chr17	35067325	35070048	Ly6g6c	**277.04743**	1159382
chr8	120668225	120674209	Cox4i1	**374.42869**	1246992
chrX	37082520	37085184	Rpl39	**459.3629**	788957
chr11	70651847	70654650	Pfn1	**368.06659**	1395876
chr9	44407714	44410406	Rps25	**378.96353**	797895
chr17	32452723	32493320	Cyp4f39	**238.59193**	2722868
chr14	24490681	24496146	Rps24	**413.38419**	1576751
chr7	141392160	141402976	Taldo1	**384.37328**	2137987
chr15	74714839	74717065	Psca	**803.0981**	2996702
chr5	115345654	115348955	Cox6a1	**307.15449**	713650
chr2	34772090	34776529	Hspa5	**304.1118**	3467945
chr2	143915331	143943324	Dstn	**389.04465**	3222213
chr19	7215158	7217616	Cox8a	**332.61519**	790205
chr7	43781054	43785410	Klk10	**266.99035**	1575852
chr7	30616974	30626151	Cox6b1	**337.98716**	744034
chr19	44203288	44244016	Scd3	**261.34068**	3953099
chr19	34592888	34601968	Gm14446	**482.47466**	4995044
chr7	30186942	30195048	Capns1	**423.64915**	2640849
chr7	30751471	30756134	Sbsn	**205.05888**	654321
chr2	174461075	174464101	Atp5e	**357.64347**	645434
chr2	148871732	148875468	Cst3	**291.29246**	942181
chr9	96332675	96364299	Atp1b3	**337.86504**	2696701
chr4	116636510	116651674	Akr1a1	**341.52649**	2105111
chr7	28893586	28962280	Actn4	**354.84545**	5381395
chr14	75845256	75848303	Tpt1	**313.01454**	1219841
chr13	119690351	119708260	Hmgcs1	**264.55901**	4125178
chr4	3995942	4019663	Sdr16c5	**251.98564**	1514751
chr19	34100943	34122548	Lipm	**200.85321**	2243154
chr1	63176831	63180486	Eef1b2	**334.57664**	2819218
chr10	60277628	60302600	Psap	**273.49109**	3258247
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chr7	100493358	100499629	Ucp2	**301.67188**	2072489
chr11	116021961	116024504	H3f3b	**343.91446**	2987851
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chr15	36595658	36608973	Pabpc1	**299.25178**	3678638
chr6	124810615	124814296	Tpi1	**340.31433**	2340930
chr11	99566027	99566630	Krtap3-1	**256.42985**	675160

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chrX	73686183	73716175	Bcap31	**217.23807**	1149624
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chr4	57943373	57956411	Txn1	**248.07331**	1136538
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chr1	74236550	74268213	Arpc2	**279.69493**	1947111
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chr19	3972328	3981665	Aldh3b2	**183.43916**	1728017
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chr2	32876134	32925214	Fam129b	**253.8362**	4043182
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chr3	94884324	94886958	Psmb4	**231.10463**	956040

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chr11	52231995	52246858	Skp1a	**246.00426**	1559223
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chr11	75732887	75765841	Ywhae	**220.98858**	2001781
chr8	83571698	83594491	Tecr	**194.17954**	993740
chr6	120795244	120822685	Atp6v1e1	**211.28288**	1108899
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chr1	72711260	72713813	Rpl37a	**209.98593**	538231
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chr16	91925223	91931630	Atp5o	**205.50632**	691582
chr7	66079649	66089405	Vimp	**150.09996**	779280
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chr15	58933810	58939489	Ndufb9	**193.40246**	548838
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chr14	40993740	41013775	Fam213a	**151.50797**	1015104
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chr13	55825054	55831425	Pitx1	**123.9913**	1323134
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chr13	55322055	55325167	Prelid1	**177.85831**	762905
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chr4	118409337	118415824	Med8	**117.61537**	992079
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chr8	21776555	21795185	Defb1	**178.59613**	713130

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chr2	155276364	155278073	Map1lc3a	**165.46619**	753749
chr5	135778649	135790386	Mdh2	**170.3844**	952180
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chr9	120571517	120574653	Rpl14	**192.1309**	783087
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chr5	143505481	143527993	Rac1	**191.35716**	1892694
chr7	111067985	111083030	Eif4g2	**173.96862**	5884829
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chr13	98309897	98317006	Btf3	**181.01815**	890876
chr2	155381856	155389847	Trp53inp2	**220.49421**	3781227
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chr7	24636570	24641118	Lypd3	**169.38605**	1202818
chr11	70238123	70239852	Rnasek	**155.22643**	420879
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chr14	30549131	30574726	Tkt	**144.10115**	2028321
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chr7	25461702	25477625	Ceacam1	**206.84216**	3368582

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chr11	98026710	98030493	Rpl19	**163.3733**	573295
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chr13	55593135	55597694	Tmed9	**138.99836**	879181
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chr10	41519500	41531042	Cd164	**147.01739**	1813662
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chr18	46713205	46728342	Cdo1	**113.88622**	759563
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chr12	79175551	79191819	Rdh11	**101.33412**	695283
chr18	61555582	61588299	Csnk1a1	**138.19886**	1212689
chr16	89419323	89420111	Krtap6-2	**157.27033**	540910
chr4	127351086	127354081	Gjb4	**87.56553**	551572
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chr8	46207341	46211009	Slc25a4	**213.24052**	1028078
chr4	117884330	117887329	Atp6v0b	**126.08381**	547419
chr11	100023634	100029868	Krt33b	**120.83566**	832776
chr11	70525357	70527858	Psmb6	**135.28059**	610937
chr16	89047289	89047899	Krtap6-5	**130.97288**	348838
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chr7	25367616	25369724	Cnfn	**173.96478**	548278
chr8	106603368	106670246	Cdh1	**135.74691**	2611350

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chr11	116220559	116238091	Evpl	**154.3727**	4305424
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chr6	87842615	87851106	Cnbp	**158.6125**	1503827
chr7	114264550	114276116	Psma1	**134.48143**	735711
chr4	139192899	139291820	Capzb	**142.86998**	1241222
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chr2	127704390	127729897	Mall	**166.92375**	1431277
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chr12	35992925	36004081	Agr2	**170.40164**	564532
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chr2	130171636	130179364	Snrpb	**99.79863**	487676
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chr5	140419305	140443358	Eif3b	**68.2011**	881787
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chr14	54426909	54429750	Mrpl52	**86.83455**	155952
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chr9	20894349	20898590	Eif3g	**67.62787**	314846
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chr6	71543854	71581574	Chmp3	**74.26616**	839126
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chr11	84048045	84068357	Dusp14	**55.73249**	350571
chr2	156863122	156872467	1110008F13Rik	**47.15267**	108939
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chr3	58576658	58593546	Selt	**61.73251**	954770

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chr7	80915379	80947550	Sec11a	**55.98316**	271615
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chr7	127211608	127214287	Mylpf	**143.99845**	473921
chr8	94674895	94696242	Pllp	**67.31292**	554283
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chr11	96034917	96047405	Snf8	**49.87538**	205891
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chr14	57916280	57999262	Micu2	**52.02479**	523870
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chr8	35824709	35826559	Cldn23	**64.11531**	517332
chr9	21320719	21355028	Slc44a2	**50.0498**	783682
chr11	3249922	3266386	Drg1	**46.52001**	309048
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chr7	19701313	19715429	Tomm40	**39.27368**	268441
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chr14	52073380	52104028	Hnrnpc	**47.58577**	589940
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chr8	83608175	83611903	Dnajb1	**52.91069**	522181
chr12	102394098	102439697	Lgmn	**41.5333**	339287
chr6	55038001	55079504	Gars	**46.28783**	482243
chr4	135968225	135972594	Lypla2	**44.34402**	307930
chr18	10617796	10628230	Snrpd1	**51.19192**	186779
chr12	84373876	84409029	Entpd5	**37.42624**	828131
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chr16	38346999	38352763	Cox17	**50.92007**	96778
chr6	72432799	72437448	Mat2a	**54.7136**	617965
chr15	34238026	34284295	Laptm4b	**46.05507**	380843
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chr6	4076904	4086927	Bet1	**45.16936**	288655
chr9	73044810	73097614	Rab27a	**54.13881**	812072

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chr5	145140397	145146609	Bud31	**50.45333**	102269
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chr19	28835166	28913960	Slc1a1	**54.24251**	876760
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chr16	17152015	17201492	Ube2l3	**42.54425**	483856
chr7	44605803	44670843	Myh14	**44.80409**	1285709
chr18	63662801	63692359	Txnl1	**44.04185**	491097
chr2	27677201	27763319	Rxra	**37.81189**	900947
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chr14	13949012	13961313	Thoc7	**48.32455**	221397
chr15	98949847	98953501	Tuba1a	**46.65125**	323545
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chr19	11047612	11050566	AW112010	**61.66852**	208337
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chr8	92901395	92902409	Capns2	**35.72853**	158082
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chr17	26937972	26939538	Cuta	**42.09704**	130290
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chr12	21390329	21417436	Ywhaq	**45.34153**	417042
chr6	129533192	129542331	Gabarapl1	**32.63794**	245564
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chr3	95526786	95556405	Ctss	**38.33642**	227275
chr5	33721724	33737068	Fgfr3	**47.96324**	919737
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chr19	6829084	6840627	Rps6ka4	**24.54782**	328834
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chr19	36834232	36893477	Tnks2	**22.40502**	632978
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chr17	56997339	56999336	Alkbh7	**21.33446**	86955
chr16	92301303	92313041	Smim11	**28.27023**	61617
chr19	3454929	3575749	Ppp6r3	**22.56608**	482499
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chr17	24942470	24960623	Hn1l	**22.74873**	258424
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chr17	24508908	24527938	Traf7	**24.80867**	289503
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chr4	139530548	139620382	Iffo2	**21.32893**	577752

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chr16	11216241	11254325	Gspt1	**19.76701**	567239
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chr7	25659153	25668032	Exosc5	**23.58489**	114119
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chr6	125362651	125380504	Plekhg6	**23.1358**	304473
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chr15	10446763	10470516	Dnajc21	**23.876**	213674
chr11	58009064	58062032	Larp1	**20.41744**	588752
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chr17	43568451	43612201	Pla2g7	**18.75249**	145097
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chr5	66016549	66151954	Rbm47	**20.9485**	494667
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chr15	27605921	27630693	Otulin	**18.22251**	118278
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chr5	138164589	138171862	Mcm7	**15.58934**	162823
chr6	113077639	113153424	Setd5	**12.67828**	357574
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chr13	59778752	59823147	Zcchc6	**16.65259**	331741
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chr16	38089261	38246079	Gsk3b	**15.2346**	533802
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chr5	31251706	31253197	Krtcap3	**21.14744**	83335
chr6	137054825	137170496	Rerg	**18.47957**	186324
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chr4	129336026	129347029	Zbtb8os	**17.91741**	51549
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chr4	138338528	138367955	Cda	**29.63635**	104514
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chr3	94974731	95006701	Pi4kb	**13.76966**	215786
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chr14	121878606	122021035	Ubac2	**16.22264**	152324
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chr9	104046588	104063121	Uba5	**13.20528**	138268
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chr18	7868832	7929028	Wac	**14.56557**	347182
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chr11	71007440	71019610	Derl2	**14.35841**	245542
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chr13	95350683	95375357	Aggf1	**14.86557**	210863
chr5	114923240	114937911	Oasl1	**28.8513**	267129
chr7	132859225	132885114	Fam175b	**14.44992**	182354
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chr17	66111546	66120503	Wash	**9.68808**	126104
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chr19	34583529	34588982	Ifit3	**18.03212**	157052
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chr4	117674686	117682225	Dmap1	**9.01282**	59443
chr7	24587642	24608926	Ethe1	**9.64353**	58264
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chr4	32800259	32802254	Lyrm2	**10.91992**	63310
chr15	84112621	84123175	Pnpla5	**6.67814**	49314
chr17	23668619	23673607	Thoc6	**9.56074**	52846
chr6	54985095	54992867	Ggct	**7.5036**	44550
chr5	142724605	142817387	Tnrc18	**8.66712**	416349
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chr15	90487481	90679388	Cpne8	**10.73192**	173795
chr8	106211054	106251694	Prmt7	**10.40964**	102280
chr8	22476880	22569616	Slc20a2	**8.9785**	136124
chr12	108179738	108203359	Ccnk	**9.37675**	107582
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chr16	5008729	5013553	Rogdi	**8.70857**	52843
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chr4	44126212	44168283	Rnf38	**10.2923**	232404
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chr10	119198812	119240055	Cand1	**9.77241**	349698
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chr8	22462614	22476699	Smim19	**9.43421**	52599
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chr8	116943393	116960445	Atmin	**8.51312**	180985

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chr2	24949802	24959413	Zmynd19	**9.45117**	50716
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chr5	124368702	124425914	Sbno1	**9.11614**	400207
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chr2	72285637	72442610	Zak	**9.44776**	364356
chr5	63812495	63899619	0610040J01Rik	**17.57643**	143276
chr9	54699559	54716317	Dnaja4	**10.60872**	138966
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chr13	42301270	42307989	Edn1	**5.57848**	57000
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chr3	92436809	92438779	Sprr1b	**31.52695**	112693
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chr7	79875325	79920640	Ap3s2	**9.18509**	232387
chr1	36335730	36369181	Kansl3	**9.50174**	193139
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chr6	83121828	83125029	Ino80b	**9.03998**	40904
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chr15	58889229	58902390	Rnf139	**10.90006**	206595
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chr7	145253923	145283927	Tpcn2	**9.61804**	121964
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chr8	4284782	4325100	Elavl1	**9.00328**	236657
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chr17	46928291	47010532	Ubr2	**7.93657**	268055
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chr5	34638536	34660148	Nop14	**9.64715**	113628
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chr16	17130138	17132383	Sdf2l1	**10.32354**	49862
chr10	75212073	75312400	Specc1l	**8.37199**	234953
chr4	53826045	53862018	Tmem38b	**8.81369**	109920
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chr19	8809075	8819294	Ttc9c	**10.20836**	154414
chr12	76370266	76388747	Zbtb1	**9.10183**	158189
chr2	32363010	32378313	Ciz1	**9.238**	126729
chr9	63394447	63399244	2300009A05Rik	**9.13468**	23812
chr3	19223109	19311322	Pde7a	**10.26947**	290353
chr17	25260511	25273914	Ube2i	**9.76921**	137423

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chr19	9872297	9899533	Incenp	**9.44238**	132414
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chr15	80091334	80119501	Syngr1	**6.79038**	132165
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chr13	104023439	104109614	Nln	**9.14911**	150755
chr11	97315716	97329920	Mrpl45	**8.756**	92788
chr16	94129306	94287856	Hlcs	**7.70524**	162332
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chr11	104502526	104550620	Cdc27	**8.68969**	218982
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chr1	162671785	162740556	Prrc2c	**6.95923**	316832
chr12	71123223	71136675	Timm9	**9.06055**	42103
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chr4	149485333	149496667	Lzic	**8.52805**	66060
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chr9	7347374	7360461	Mmp12	**3.19269**	50200
chr5	114821937	114823468	2610524H06Rik	**8.3658**	34462
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chr13	19357676	19395752	Stard3nl	**10.84447**	60698
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chr9	75441524	75466432	Leo1	**8.87188**	84773
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chr14	121542039	121797734	Dock9	**8.59917**	330318
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chr8	69705137	69716902	Zfp869	**9.12506**	138863
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chr17	33742484	33760486	Rab11b	**9.19711**	243155
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chr19	43753023	43768638	Cutc	**10.18335**	58063
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chr17	12227621	12318660	Map3k4	**7.18323**	166114

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chr2	119655451	119662798	Ndufaf1	**8.39937**	53127
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chr9	57252322	57262599	1700017B05Rik	**7.04361**	151494
chr9	35217004	35267805	Fam118b	**10.19002**	89106
chr1	171281953	171287961	Usp21	**8.18835**	77849
chr18	34758906	34773760	Fam53c	**8.17715**	159513
chr1	161035166	161038537	Gas5	**9.99456**	111272
chr7	98350668	98361328	Tsku	**9.95961**	121563
chr8	78505269	78508928	Rbmxl1	**8.43112**	63398
chr7	132236255	132271001	Chst15	**7.87123**	142600
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chr11	73177083	73182046	Tax1bp3	**10.18034**	62883
chr7	64287670	64340806	Mtmr10	**8.37768**	190084
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chr5	34496096	34513979	Tnip2	**9.7411**	83482
chr4	108639259	108695868	Zfyve9	**7.97022**	72961
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chr6	47920568	47932637	Zfp212	**7.42258**	87588
chr1	24010758	24100341	Fam135a	**9.01854**	254238
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chr15	80133154	80161702	Tab1	**8.43509**	107809
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chr12	40315046	40445790	Zfp277	**10.01455**	107129
chr11	75531694	75577572	Slc43a2	**5.87204**	185118
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chr7	24081897	24107708	Zfp180	**8.20006**	143946
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chr18	24012267	24020771	Zfp191	**9.96766**	135913
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chr15	83526862	83544635	Bik	**8.83724**	36327
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chr17	26933127	26937890	Phf1	**8.8926**	94158
chr10	128411616	128441441	Rnf41	**7.7793**	152532
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chr5	33898180	33936258	Nelfa	**8.43769**	79484
chr18	73770040	73815392	Me2	**8.24206**	88204
chr7	140137564	140150627	Mtg1	**8.25754**	51690
chr11	86265715	86357525	Med13	**7.01834**	360611
chr11	49076587	49096987	Ifi47	**18.34571**	152106
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chr9	92457378	92492516	Plscr4	**10.00341**	142113

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chr13	104631327	104816953	Cwc27	**8.45759**	69459
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chr16	18876750	18970308	Hira	**7.64322**	151030
chr18	56761716	56925548	March3	**9.61569**	73521
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chr9	56418846	56496936	Hmg20a	**7.89992**	121941
chr16	5244155	5255956	Fam86	**7.99249**	58288
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chr3	92777210	92778899	Lce1i	**3.64377**	11611
chr6	125067920	125082472	Lpar5	**7.51518**	49631
chr4	116221914	116303056	Pik3r3	**10.05989**	219438
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chr19	45818144	45998488	9130011E15Rik	**7.12725**	89975
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chr15	79053094	79062859	Ankrd54	**8.72073**	71392
chr7	45648591	45666394	Fut2	**6.00639**	80093
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chr12	86082561	86162459	Ift43	**7.75433**	27346
chr11	83942090	83963086	Ddx52	**8.24589**	113730
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chr10	89744991	89819869	Uhrf1bp1l	**8.64254**	242847
chr15	89351004	89355659	Lmf2	**8.09052**	102488
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chr17	34020792	34024680	Ring1	**8.3088**	73670
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chr5	24100590	24161231	Klhl7	**7.78892**	116357
chr4	108165437	108179308	Echdc2	**7.84059**	44671
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chr13	34002874	34035170	Ripk1	**9.18285**	179932
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chr7	136894611	137128188	Mgmt	**7.50251**	26785
chr10	128015215	128030030	Prim1	**8.04945**	53791

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chr5	72755718	72868448	Tec	**6.60613**	76629
chr11	4874003	4894200	Nipsnap1	**8.3142**	67919
chr17	72918305	72941946	Lbh	**7.15501**	95690
chr18	56525736	56572870	Aldh7a1	**6.94545**	88679
chr2	59852365	59882606	Wdsub1	**9.03647**	85676
chr7	18890884	18910404	Ccdc61	**8.22141**	72035
chr9	99575799	99584343	Dbr1	**8.65862**	79376
chr10	127056050	127060184	March9	**6.63959**	57828
chr1	121553835	121567980	Ddx18	**7.14576**	70055
chr5	31494761	31511627	Gpn1	**7.84764**	63184
chr7	3620324	3629929	Tfpt	**8.33622**	42371
chr9	109057932	109059723	Trex1	**9.5528**	47347
chr4	46116033	46138475	Tstd2	**6.78493**	72137
chr8	120653914	120668112	Emc8	**7.05638**	151738
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chr19	30030513	30093724	Uhrf2	**8.06684**	124412
chr13	17715962	17805097	Cdk13	**7.74563**	239085
chr7	45092993	45103822	Fcgrt	**8.93721**	67710
chr14	55765962	55768492	Ltb4r1	**8.51559**	51672
chr6	88465423	88497566	Ruvbl1	**7.66386**	55290
chr2	128610083	128687395	Anapc1	**6.65015**	259944
chr15	6813577	6874313	Osmr	**8.38623**	176752
chr7	126428767	126445859	Rabep2	**9.00639**	97797
chr19	43733854	43753000	Cox15	**7.35543**	134602
chr3	108195771	108200834	Cyb561d1	**7.66805**	140089
chr11	120369562	120378746	2310003H01Rik	**7.90381**	109391
chr12	81470704	81485110	Cox16	**8.3635**	72806
chr19	47501048	47537020	Obfc1	**9.00033**	68816
chr7	38220654	38227994	Plekhf1	**6.1128**	41542
chr18	10725625	10812217	Mib1	**5.63135**	93110
chr9	7818226	7835255	Birc2	**8.67764**	118777
chr5	114100333	114122924	Usp30	**6.57671**	79986
chr11	78181687	78181756	Snord4a	**9.8676**	3011
chr8	88199213	88259722	Papd5	**8.26644**	166624
chr3	83898287	84040161	D930015E06Rik	**7.86185**	168236
chr9	57072040	57128368	Sin3a	**7.86017**	179644
chr10	18407675	18533891	Nhsl1	**5.95919**	198386
chr2	114101161	114175339	Aqr	**7.46984**	165969
chr15	98038744	98093569	Senp1	**7.10855**	198318
chr6	48062395	48086593	Zfp746	**8.37129**	133231
chr6	72957347	72958748	Tmsb10	**11.83243**	32856
chr11	29545842	29547949	Rps27a	**9.45297**	30081
chr6	72347317	72353160	0610030E20Rik	**6.02234**	121653

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chr4	133606992	133633429	Zdhhc18	**7.31358**	90765
chr15	89322899	89324730	Adm2	**3.22128**	15699
chr11	99537485	99543158	Krt40	**7.28476**	41917
chr5	30951667	30960327	Preb	**7.79066**	149189
chr5	34525784	34563639	Sh3bp2	**8.42296**	124250
chr4	119539661	119629119	Foxj3	**6.97861**	145685
chr4	116804249	116807559	Toe1	**7.33061**	56305
chr10	59141627	59221847	Sept10	**7.98251**	92351
chr11	78357577	78386608	Foxn1	**6.63256**	94283
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chr18	64528979	64661000	Atp8b1	**8.57735**	240791
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chr7	127769815	127775150	Orai3	**8.64272**	75199
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chr13	69497959	69533864	Papd7	**7.13869**	124381
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chr11	86768849	86807660	Dhx40	**7.57658**	122994
chr4	15957967	15992589	Nbn	**7.69904**	83601
chr14	55761428	55763229	Ltb4r2	**6.1282**	38441
chr4	86854099	86857367	Rps6	**7.8907**	47949
chr13	113794508	114157461	Arl15	**7.85451**	115077
chr13	43151742	43171501	Tbc1d7	**8.10169**	44534
chr17	31386234	31476309	Pde9a	**11.45703**	103082
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chr17	15704967	15772612	Chd1	**7.43082**	256480
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chr14	32080517	32085692	Dph3	**8.05425**	119127
chr2	179912146	179976646	Taf4a	**7.7376**	149151
chr8	112011359	112020528	Terf2ip	**7.98448**	125265
chr5	127595666	127617392	Slc15a4	**7.29545**	86056
chr3	95893921	95898592	Aph1a	**8.06199**	86769
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chr1	131867277	131872889	Rab29	**6.95566**	36112
chr18	65430997	65478792	Malt1	**9.43799**	206037
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chr19	34640889	34650009	Ifit1	**14.57804**	167639
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chr19	20692953	20727556	Aldh1a7	**7.05926**	63391
chr11	98863598	98905578	Wipf2	**6.83581**	226139
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chr12	84149174	84218881	Elmsan1	**6.92226**	222300
chr7	109138565	109175207	Lmo1	**5.89384**	40054
chr4	98395826	98719603	Inadl	**6.82748**	228453
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chr5	31036036	31048924	Slc5a6	**5.96753**	93752
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chr17	25863698	25868738	Fam195a	**6.11347**	21746
chr10	75060896	75184923	Bcr	**6.02838**	171783
chr4	11958183	11966450	Pdp1	**7.94656**	150096
chr2	167481136	167485593	Spata2	**6.59102**	111477
chr17	34153191	34160229	H2-DMb1	**9.49931**	53169
chr7	139995955	140036674	Tubgcp2	**6.88062**	102998
chr3	123368295	123385990	Mettl14	**7.5869**	86815
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chr4	40970906	41025992	Nfx1	**6.59325**	199462
chr12	102784648	102878406	Btbd7	**6.00289**	112677
chr11	64979035	65002038	Elac2	**7.54805**	90253
chr10	77259300	77269586	Pofut2	**7.51736**	72715
chr13	38036989	38061433	Riok1	**6.90023**	82537
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chr13	13954674	13999068	B3galnt2	**7.23302**	105877
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chr9	62057249	62070606	Glce	**7.19015**	144961
chr8	70778117	70792433	Mast3	**5.10948**	118804
chr16	97471086	97504936	Fam3b	**11.81169**	43817
chr19	6993019	6996037	Nudt22	**8.55404**	37251
chr5	147016655	147076572	Lnx2	**7.27545**	144080
chr10	128210005	128211794	Spryd4	**7.26396**	46642
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chr4	137594189	137658537	Usp48	**6.57587**	164710
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chr7	4844960	4866179	Isoc2b	**7.63793**	35459
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chr2	155390656	155440783	Ncoa6	**6.15769**	184460
chr8	41239759	41334087	Pcm1	**6.98982**	255366
chr8	18846279	18884413	Agpat5	**7.86159**	131219
chr7	120842831	120907219	Eef2k	**6.43855**	188495
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chr8	121097557	121108379	Mthfsd	**8.29246**	60078
chr2	120316461	120353133	Vps39	**6.49757**	126041
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chr8	110618638	110720398	Vac14	**6.36945**	84129
chr13	90089667	90114921	Tmem167	**6.98863**	329290
chr8	47827606	47990551	Wwc2	**6.7639**	148338
chr13	48968112	48969905	Fam120aos	**9.0684**	57754
chr11	77044292	77078437	Ccdc55	**8.23296**	111829
chr4	41755253	41759125	Galt	**6.91019**	60245
chr16	88671046	88671654	Krtap27-1	**6.33325**	16813
chr3	89164805	89177087	Clk2	**7.66196**	77153
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chr15	102338247	102350759	Aaas	**6.58662**	52141
chr6	126939966	126975704	D6Wsu163e	**7.9962**	78009
chr17	4995074	5347656	Arid1b	**6.74434**	332950
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chr3	115938973	116007406	Slc30a7	**7.84199**	308343
chr5	118027824	118061870	Tesc	**5.48716**	22532
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chr4	126096653	126098584	Lsm10	**5.61768**	19860
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chr18	34598615	34624863	Brd8	**7.5177**	147501
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chr17	27909306	28062779	Anks1	**6.46407**	166869
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chr7	131371146	131387838	Pstk	**8.48344**	41751
chr3	92620085	92621660	Lce6a	**3.96481**	13671
chr4	136310942	136345979	Hnrnpr	**8.02263**	280124
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chr5	77294169	77310086	Noa1	**7.38233**	74112
chr1	172209894	172219895	Casq1	**17.8316**	145667
chr7	31032723	31042331	Fxyd5	**6.39137**	28641
chr4	123282911	123298821	Pabpc4	**6.78699**	87573
chr7	101822727	101838226	Inppl1	**8.86859**	193336
chr7	7202122	7209998	Zfp772	**7.5717**	91493

chr17	57203973	57228136	C3	**9.78379**	218917
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chr12	4917353	5047410	Atad2b	**6.01162**	212317
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chr12	80335847	80436601	Dcaf5	**7.41811**	184545
chr10	81028540	81033912	Slc39a3	**5.75687**	86879
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chr19	38188479	38224132	Fra10ac1	**6.7344**	41040
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chr17	6978860	8147832	Rnaset2b	**6.23829**	28934
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chr18	84011627	84086562	Tshz1	**8.46178**	214456
chr3	95878505	95882228	Ciart	**4.27676**	26007
chr7	30553302	30555439	Hspb6	**13.47659**	77839
chr8	106009616	106011477	Ddx28	**6.48008**	52597
chr2	140119881	140170558	Esf1	**6.75839**	99931
chr11	20302180	20332713	Slc1a4	**6.59612**	112886
chr1	91298338	91321080	Scly	**7.60023**	73119
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chr4	59189550	59222833	Ugcg	**5.75987**	93377
chr6	92186712	92214811	Zfyve20	**6.27206**	142719
chr18	34443901	34506823	Fam13b	**6.40903**	81830
chr9	21411837	21420279	Qtrt1	**7.36156**	42391
chr13	73763697	73816742	Slc12a7	**6.09192**	136230
chr4	59769647	59783855	Inip	**7.04758**	98800
chr9	65691583	65827564	Zfp609	**5.36263**	200687
chr3	32436151	32468486	Pik3ca	**7.62862**	296528
chr2	48902852	48949267	Orc4	**7.73022**	164442
chr6	35177616	35247598	Nup205	**5.94278**	161339
chr11	58307069	58314613	Zfp692	**8.18953**	69578
chr12	84918149	84970886	Arel1	**6.67966**	158196
chr1	86703804	87050097	Dis3l2	**6.63423**	91704
chr17	83350931	83480359	Eml4	**5.16771**	124348
chr12	98202300	98259337	Galc	**6.60852**	106703
chr9	62880077	62980879	Pias1	**7.0975**	119270
chr15	89130584	89140703	Mapk12	**9.22139**	75973
chr14	52198151	52237572	Chd8	**6.01358**	214693
chr17	56713932	56717699	Vmac	**8.01055**	79476
chr5	143548706	143564525	Fam220a	**7.19553**	73115
chr9	47530352	47853385	Cadm1	**9.18388**	166821
chr6	34863146	34874946	Tmem140	**4.90799**	9542
chr1	106171869	106394245	Phlpp1	**7.49742**	199493

chr11	114851532	114872617	Gprc5c	**4.24228**	86398
chr17	15499888	15517427	Tbp	**7.2907**	58541
chr8	123411564	123422010	Tubb3	**6.97449**	52384
chr19	4962306	4966995	Mrpl11	**7.71731**	96953
chr4	152039327	152061494	Nol9	**6.54421**	113481
chr3	7503426	7553848	Zc2hc1a	**7.54306**	110514
chrX	74393291	74453778	Ikbkg	**7.10128**	224025
chr19	3767421	3818303	Suv420h1	**6.53944**	259750
chr17	6270470	6306343	Tmem181a	**6.16287**	65389
chr1	180330550	180423659	Itpkb	**5.19631**	113869
chr6	56701063	56704699	Lsm5	**9.2306**	20159
chr8	45395665	45410539	Tlr3	**7.98351**	150585
chr12	59013393	59027988	Gemin2	**6.4994**	31335
chr4	98936659	99120915	Dock7	**6.62261**	206095
chr9	107539011	107541865	Cyb561d2	**6.0672**	47130
chr6	39136620	39206773	Kdm7a	**7.07175**	285641
chr10	80901363	80918245	Lmnb2	**7.27862**	106957
chr12	91555262	91590487	Gtf2a1	**7.89298**	199765
chr7	45434839	45456617	Gys1	**7.32145**	117480
chr3	53451996	53463258	Nhlrc3	**5.9308**	40331
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chr2	103073675	103092649	Apip	**8.66517**	34902
chr10	85891968	85916945	Prdm4	**6.64747**	113562
chr3	92932979	92934096	Lce3b	**23.22285**	56791
chr15	12824815	12935291	Drosha	**7.29025**	145263
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chr14	30009000	30039938	Chdh	**4.03994**	94446
chr11	106397620	106487796	Ern1	**6.15366**	106655
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chr14	20348162	20383491	Fam149b	**6.95224**	95433
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chr16	13671858	13703612	Bfar	**8.05076**	103318
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chr6	122820184	122845366	Foxj2	**6.38803**	139538
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chr15	55639154	55906949	Sntb1	**4.45157**	41779
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chr17	17374332	17394899	Riok2	**6.80473**	94832
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chr3	144431107	144570216	Hs2st1	**6.53071**	136961
chr16	33380775	33503903	Zfp148	**6.71653**	276124
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chr2	28566245	28583279	Gtf3c5	**7.18149**	87811
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chr11	86936425	86993762	Ypel2	**9.76071**	208572
chr15	73580291	73624744	Slc45a4	**5.71374**	118906
chr4	139380659	139489532	Ubr4	**5.57833**	385955
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chr8	104340594	104347672	Cmtm3	**8.36909**	58955
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chr10	63319005	63339035	Sirt1	**7.26773**	123873
chr18	12643533	12737052	Ttc39c	**7.02627**	73049
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chr14	105114677	105177327	Rbm26	**6.68668**	115048
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chr8	83312632	83332486	Elmod2	**6.45733**	132551
chr9	53771535	53818161	Slc35f2	**5.83476**	65316
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chr19	56790963	56813683	Ccdc186	**5.88442**	70643
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chr15	79915807	79932646	Cbx7	**6.26508**	79009
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chr18	11633276	11743207	Rbbp8	**8.71378**	148216
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chr18	31804057	31908987	Wdr33	**6.85089**	191518
chr5	31198981	31202303	Zfp513	**6.78573**	73240
chr17	35667739	35673682	Gtf2h4	**7.4898**	52663
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chr16	37647602	37654368	Ndufb4	**7.89873**	15632
chr11	86683983	86692457	Ptrh2	**6.47864**	88480
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chr13	100617164	100651061	Rad17	**6.57734**	87563
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chr9	15260351	15279867	Med17	**7.58718**	128987
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chr14	20649102	20656540	Myoz1	**14.56513**	82158
chr8	109565986	109574051	Txnl4b	**5.94455**	46540
chr2	84798828	84810003	Ube2l6	**9.29999**	56229
chr8	95835923	95853491	Slc38a7	**5.67258**	81156
chr11	84195438	84401651	Acaca	**5.40108**	212650
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chr15	100469034	100479252	Letmd1	**6.35852**	71484
chr5	114431034	114444027	Mmab	**6.51867**	84878

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chr8	87468853	87472592	Cbln1	**9.38194**	95495
chr3	92385685	92387319	Sprr2h	**10.59491**	34500
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chr7	132987011	133123483	Ctbp2	**7.5386**	156981
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chr6	48593883	48599082	Repin1	**4.83015**	66240
chr4	156132170	156133419	Rnf223	**7.43357**	40505
chr5	9118984	9161776	Dmtf1	**6.81934**	107699
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chr18	9212856	9216201	Fzd8	**4.71112**	68715
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chr9	58524300	58540940	Cd276	**7.01159**	97348
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chr3	126596951	126846326	Camk2d	**6.0218**	225434
chr4	48585193	48663131	Tmeff1	**5.37171**	57182
chr19	36379067	36456204	Pcgf5	**6.76883**	44525
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chr10	128377124	128394006	Ankrd52	**5.35006**	154133
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chr13	62964893	63326096	2010111I01Rik	**9.45302**	249550
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chr17	56040416	56068026	Chaf1a	**5.89762**	85044
chr4	153975561	154007225	Cep104	**5.5021**	78597
chr6	51523903	51590670	Snx10	**10.24068**	115887
chr11	97745470	97766613	Cwc25	**5.98716**	86309
chr18	67488209	67552721	Spire1	**5.48206**	121469
chr2	121310833	121351013	Ppip5k1	**7.54604**	172991
chr7	80890723	80901269	Wdr73	**7.7105**	71054
chr5	145231715	145247306	Zfp655	**5.99449**	146385
chr3	88965812	89079375	Ash1l	**6.10397**	299873
chr15	12205094	12272240	Mtmr12	**6.89793**	135852
chr11	4135160	4141123	Rnf215	**7.01073**	57057
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chr15	102215995	102231935	Itgb7	**11.04805**	128780

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chr14	57689662	57746123	Lats2	**6.55872**	158791
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chr8	107056877	107060928	Nip7	**7.32062**	96788
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chr19	4861216	4877909	Actn3	**19.30782**	242986
chr9	108447639	108461581	Klhdc8b	**8.46009**	108903
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chr18	37957434	37969731	Fchsd1	**5.62073**	78013
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chr18	76241701	76311747	Smad2	**6.919**	275731
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chr15	68928420	69093518	Khdrbs3	**5.03983**	41588
chr10	69336635	69352912	Cdk1	**7.43803**	92731
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chr18	36783280	36792560	Hars2	**6.76574**	90307
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chr5	135376798	135394546	Pom121	**5.78176**	124077
chr17	87107679	87137588	Socs5	**6.37909**	122269
chr10	62429378	62447773	Supv3l1	**5.93133**	54581
chr8	70835138	70839720	Arrdc2	**5.34814**	54693
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chr14	51195486	51195923	Ang2	**4.27538**	8163
chr5	107106570	107289595	Tgfbr3	**4.72002**	124542
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chr9	107984224	107985916	Fam212a	**7.6531**	35396
chr6	48024188	48048114	Zfp777	**6.40787**	86899
chr2	129065947	129096283	Ttl	**6.12876**	121879
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chr13	38602706	38635109	Bloc1s5	**7.52011**	57990
chr14	28505473	28525515	Wnt5a	**4.94168**	94201
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chr3	100162463	100206989	Gdap2	**6.03492**	77185

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chr10	100443902	100487347	Tmtc3	**6.43802**	186066
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chr14	70438748	70443471	Polr3d	**6.90315**	64878
chr13	55027880	55100300	Uimc1	**7.0693**	90476
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chr9	21275269	21287969	Kri1	**5.79541**	45625
chr12	83950608	83952953	2410016O06Rik	**6.6123**	67621
chr11	115814739	115823102	Tsen54	**6.11815**	52593
chr3	54803115	54807791	Rfxap	**7.07711**	66698
chr8	25720048	25724887	Ppapdc1b	**7.2987**	49474
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chr9	31030644	31075885	Zbtb44	**5.51196**	212955
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chr3	90341654	90358120	Gatad2b	**4.55291**	37828
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chr4	155768495	155774561	Vwa1	**6.84797**	93733
chr10	77798387	77799133	Gm19668	**5.38344**	17530
chr18	80127135	80151482	Adnp2	**6.17021**	112644
chr5	22486489	22550331	Orc5	**7.40373**	66452
chr11	61775598	61855092	Ulk2	**7.07625**	179310
chr2	73816509	73892639	Atf2	**6.82021**	191255
chr17	53961615	53990631	Sult1c1	**20.00823**	131962
chr13	14063784	14199603	Arid4b	**6.82065**	181753
chr7	110308013	110614920	Sbf2	**6.32954**	197637
chr4	22357543	22434091	Fbxl4	**6.59126**	76399
chr15	57694667	57839832	Zhx2	**6.53824**	124664
chr3	57644349	57651684	Commd2	**9.04735**	116778
chr10	22703881	22731447	Tbpl1	**8.82302**	110421
chr8	47667178	47675159	Ing2	**5.71819**	70118
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chr7	100869746	100932161	Arhgef17	**7.13714**	318896
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chr10	62107656	62111013	2010107G23Rik	**7.13879**	53867
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chr15	78159463	78174108	Ift27	**8.83857**	39068
chr9	72979725	72985376	Ccpg1os	**5.59639**	17272

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chr14	20734873	20794088	Camk2g	**6.63045**	107086
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chr11	62524944	62539261	Cenpv	**7.75732**	34965
chr4	149128349	149137600	Apitd1	**7.78243**	31550
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chr12	33429624	33439380	Twistnb	**6.15232**	62327
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chr16	38558698	38592162	Tmem39a	**5.71771**	73128
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chr13	24012484	24280790	Lrrc16a	**6.40358**	143981
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chr16	3744099	3750788	Zfp263	**6.92581**	97878
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chr5	24445463	24447846	Tmub1	**7.25539**	41748
chr17	88530124	88588367	Ppp1r21	**7.61786**	104105
chr14	55679080	55681817	Tinf2	**6.61786**	50167
chr10	40223246	40247039	Rpf2	**7.43678**	61270
chr14	64652531	64806296	Kif13b	**5.05669**	123506
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chr18	36281162	36288244	Pura	**5.87463**	40999
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chr3	51483966	51496212	Rab33b	**6.88506**	104205
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chr18	21001341	21028223	Rnf138	**6.9152**	93749
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chr3	96221121	96223738	Hist2h2be	**7.10667**	81103
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chr15	58890153	58933730	Tatdn1	**6.64193**	39550
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chr11	113698171	113710017	Cpsf4l	**3.57895**	24525
chr16	31959670	32003287	Senp5	**5.96549**	164712
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chr17	40923055	40934551	Cenpq	**7.31146**	45959
chr15	102518192	102523676	Tarbp2	**6.48659**	50614
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chr14	64122621	64455903	Msra	**6.57478**	55114
chr9	13807788	13827107	Cep57	**6.91468**	85694
chr6	89643988	89675529	Txnrd3	**5.79541**	71646
chr11	78465701	78471945	Slc46a1	**4.90927**	42244
chr7	110816535	110844381	Rnf141	**7.01655**	29118
chr5	20893024	20927730	Rsbn1l	**6.58379**	143154
chrX	7595296	7605420	Ccdc22	**6.59788**	47916
chr19	56548261	56598846	Nhlrc2	**5.96389**	102274
chr1	159232326	159347580	Rfwd2	**6.64016**	146348
chr11	59306930	59333552	Wnt9a	**6.30408**	91180
chr16	16302965	16309640	Yars2	**6.41533**	44381
chr10	128543565	128547744	Zc3h10	**6.40736**	58347
chr1	93299211	93305870	Mterf4	**6.92513**	100072
chr17	46257851	46283026	Tjap1	**6.05509**	68495
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chr5	3603232	3637230	Pex1	**4.6954**	83939
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chr8	68793929	68829410	Ints10	**6.96143**	132217
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chr8	105472425	105496870	Zdhhc1	**4.92244**	44074
chr15	78947724	79005864	Triobp	**5.24761**	174720

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chr6	28416603	28421724	Gcc1	**5.91497**	106695
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chr11	97688823	97700497	Pcgf2	**5.65296**	67815
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chr7	120917744	120947432	Polr3e	**5.90011**	108896
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chr5	121452709	121495421	Tmem116	**2.85054**	18030
chr7	130577484	130764784	Tacc2	**5.30886**	218901
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chr18	37640491	37644204	Taf7	**5.03179**	72427

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chr19	46396896	46488804	Sufu	**5.03698**	99355
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chr5	114622154	114658421	Trpv4	**5.9553**	83747
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chrX	37126763	37150697	Nkap	**6.35674**	116742
chr14	122918975	122983261	Tmtc4	**5.18687**	76649
chr1	189728268	189876693	Ptpn14	**3.8735**	181414
chr9	14784707	14834417	Mre11a	**5.22059**	68363
chr8	26119380	26143869	Rnf170	**6.10885**	104254
chr12	70190815	70227683	Pygl	**4.42127**	54369
chr7	122159437	122169875	Plk1	**6.96195**	66857
chr7	110061702	110095392	Zfp143	**5.26705**	69178
chr19	45006558	45012762	Peo1	**5.2858**	80369
chr19	11912399	11945096	Patl1	**4.76692**	87711
chrX	102284640	102505148	Hdac8	**4.8281**	36284
chr10	127000709	127020994	Avil	**8.63653**	114186
chr16	62793689	62847040	Arl13b	**5.11189**	78527
chr4	106744561	106799831	Acot11	**5.26121**	101026
chr5	100679486	100719683	Hpse	**7.53434**	101223
chr5	142960355	142973189	Fscn1	**5.10922**	59399
chr4	120405281	120530199	Scmh1	**5.71946**	84619
chr4	87769925	88033407	Mllt3	**6.58436**	178671
chr18	77065208	77155708	Pias2	**6.09693**	144395
chr9	98296583	98411428	Nmnat3	**5.59902**	52719
chr12	84996321	85070515	Ylpm1	**4.91566**	150725
chr11	97685952	97688625	Cisd3	**6.68545**	21624
chr11	51692263	51756834	Sec24a	**5.26313**	155896
chr7	127233443	127237860	Zfp553	**6.24886**	71940
chr12	65036334	65063386	Prpf39	**6.34754**	104011
chr9	123636907	123678832	Slc6a20a	**5.63018**	46484
chr5	112338318	112343040	Srrd	**4.11891**	12353
chr1	23366424	23383175	Ogfrl1	**6.42773**	135726
chr17	48419231	48432728	Apobec2	**10.47945**	55640
chr14	77024201	77036617	Lacc1	**5.8905**	62114
chr4	148434497	148444751	Ubiad1	**4.34027**	56192
chr6	116018618	116193374	Tmcc1	**5.61293**	139930
chr11	49846751	49886421	Mapk9	**5.95048**	123314
chr8	95081201	95099827	Katnb1	**4.99607**	73568
chr4	124700699	124708611	Fhl3	**6.88753**	50590

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chr13	76098734	76187983	Ttc37	**4.35149**	102071
chr7	127027731	127042420	Kif22	**6.33314**	56981
chr9	121680045	121705029	Sec22c	**5.37258**	135437
chr2	92403647	92434069	Cry2	**5.22344**	87709
chr19	6384429	6398459	Pygm	**14.07601**	174506
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chr17	29156521	29237790	Cpne5	**4.10986**	78219
chr7	128205504	128206366	Cox6a2	**12.75324**	32800
chr2	181251451	181287966	Gmeb2	**5.52985**	97627
chr7	140941581	140947658	Athl1	**5.41021**	70162
chr12	91633009	91786436	Ston2	**4.46972**	192815
chr17	12119284	12219640	Agpat4	**3.55406**	29591
chr8	13255963	13288012	Dcun1d2	**6.49029**	82613
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chr11	80046493	80080991	Crlf3	**6.60653**	69002
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chr12	111166370	111267155	Traf3	**4.48982**	140134
chr1	127204986	127482972	Mgat5	**3.34134**	45211
chr4	129619274	129623908	Ccdc28b	**7.21554**	26421
chr3	55112108	55137332	Spg20	**4.77496**	84383
chr1	78658440	78667601	Utp14b	**4.66341**	72410
chr11	77508099	77513273	Trp53i13	**4.61543**	27483
chr12	81714950	81781170	Map3k9	**6.05068**	313608
chr13	81711417	81753275	Mblac2	**6.08157**	102887
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chr6	34155879	34177054	Slc35b4	**5.57088**	89779
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chr11	105126425	105141146	Mettl2	**5.33486**	60906
chr18	77938467	78035027	Epg5	**3.88844**	163943
chr14	8002902	8056555	Abhd6	**5.91707**	52051
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chr1	91179822	91225196	Ramp1	**6.01609**	79252
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chr10	50592669	50851202	Ascc3	**5.26178**	171499
chr5	20758664	20882124	Phtf2	**4.73312**	99840
chr2	153291416	153333389	Kif3b	**5.79341**	142207
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chr2	33450288	33468532	Zbtb43	**4.56038**	101166

chr5	123698302	123721044	Zcchc8	**5.9314**	110818
chr1	183297060	183324501	Aida	**6.84684**	98284
chr6	25743735	25809226	Pot1a	**5.08171**	69845
chr6	97807058	98021358	Mitf	**4.3175**	97453
chr11	97663412	97685458	Mllt6	**5.25368**	166517
chr11	32455372	32518709	Ubtd2	**5.43039**	71773
chr8	13869641	13881639	Champ1	**5.93355**	103797
chr17	44096310	44105808	Enpp4	**6.86975**	136465
chr10	85386814	85660292	Btbd11	**4.48817**	116507
chr3	116272553	116424032	Cdc14a	**5.59999**	109484
chr17	63863981	64139496	Fert2	**4.42589**	69976
chr19	23141226	23166911	Klf9	**4.48752**	63830
chrX	151520672	151633857	Phf8	**4.20375**	116527
chr5	145283343	145291469	Zscan25	**5.33626**	46430
chr19	42518805	42592256	R3hcc1l	**5.73478**	99470
chr8	13907806	13940521	Fbxo25	**6.76944**	59254
chr5	101832953	102069921	Wdfy3	**4.30521**	267937
chr3	103832696	103854618	Bcl2l15	**15.91286**	145184
chr14	24133953	24245920	Dlg5	**5.45052**	186584
chr16	20703037	20716636	Clcn2	**7.13427**	111149
chr8	88272403	88329962	Adcy7	**3.62562**	100043
chr19	10182888	10196872	Fads1	**5.83133**	87901
chr11	69015911	69036473	Ctc1	**4.45857**	80988
chr5	117976770	118010191	Fbxo21	**4.63013**	78897
chr9	108296922	108301597	Amt	**3.99022**	23047
chr14	30572149	30572208	Mir3076	**5.24186**	1371
chr9	85842380	85847055	Tpbg	**4.81068**	78052
chr4	99193934	99259787	Atg4c	**6.45288**	89394
chr4	108227755	108301090	Zyg11b	**5.15396**	239362
chr8	69610654	69625548	Zfp868	**5.50827**	61493
chr4	73714579	73790602	Rasef	**6.49219**	146681
chr15	99470084	99474730	Bcdin3d	**4.94615**	27404
chrX	75416628	75455701	Brcc3	**5.94038**	115388
chr4	85205456	85389379	Sh3gl2	**5.7394**	70203
chr11	67966483	68207148	Stx8	**5.78711**	103531
chr17	24473550	24479078	Mlst8	**5.4719**	56388
chrX	151087094	151096543	Tsr2	**5.53229**	62147
chr1	59913006	59985348	Fam117b	**5.22229**	125980
chr1	191005832	191021256	Mfsd7b	**5.44434**	77677
chr2	163658386	163726158	Pkig	**6.14835**	38219
chr1	58900450	58973482	Trak2	**5.33527**	145125
chr14	118111911	118132765	Tgds	**6.30103**	62213
chr2	37425500	37430919	Zbtb6	**5.99083**	118431
chr6	129461591	129472777	Clec7a	**3.16953**	31460
chr10	24869986	24913529	Med23	**5.20744**	112274
chr2	110017817	110045325	Ccdc34	**6.31139**	57198
chr7	99535486	99606771	Arrb1	**4.31327**	133721

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chr13	100778739	100786486	Ccnb1	**5.73349**	57884
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chr2	30097283	30124611	Zer1	**4.71717**	86734
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chr13	98246845	98262992	Utp15	**5.03176**	89294
chr4	40203777	40239825	Ddx58	**5.14075**	110769
chr5	107909006	107987077	Fam69a	**5.46917**	41960
chr3	144952486	144975045	Clca6	**3.93061**	51368
chr5	138116905	138134265	Zscan21	**6.07685**	61483
chr11	87077732	87086777	Smg8	**6.34273**	89057
chr1	86587100	86606500	Cops7b	**5.30094**	51553
chr1	162570828	162599078	Vamp4	**5.594**	61743
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chr15	79286228	79328371	Pla2g6	**4.04353**	65658
chr3	94310132	94332532	Them4	**4.68061**	35298
chr7	45027707	45052881	Prr12	**5.03006**	150834
chr14	45376885	45388796	Gnpnat1	**5.74459**	51886
chr16	17619354	17644830	Smpd4	**4.7928**	97380
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chr11	102475916	102556158	Gpatch8	**4.73872**	141065
chr18	34624936	34631612	Kif20a	**5.06523**	56547
chr18	64887756	65217826	Nedd4l	**5.49173**	206500
chr7	28179483	28187298	Dyrk1b	**5.27348**	60573
chr6	119432531	119544347	Wnt5b	**6.10908**	70677
chr18	42274380	42275197	Gm4013	**4.74246**	8600
chr10	24595442	24598682	Ctgf	**5.93143**	62106
chr11	107033081	107131922	Bptf	**4.53592**	227149
chr12	73964530	73984820	Snapc1	**5.82305**	53940
chr17	6106830	6240637	Tulp4	**4.53603**	195023
chr7	34109550	34133268	Wtip	**6.51645**	55534
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chr8	22757744	22782848	Plat	**6.45118**	71204
chr6	87913976	87936613	Hmces	**5.19719**	31876
chr5	23740165	23783711	Pus7	**4.6198**	89797
chr6	3498393	3603531	Ccdc132	**5.86797**	149946
chr16	24392556	24393655	1110054M08Rik	**6.39132**	16800
chr16	24393350	24992578	Lpp	**4.89098**	335691
chr17	74528295	74703356	Birc6	**4.298**	295423
chr7	18839966	18858653	Mill2	**5.62447**	27460
chr17	47599689	47611492	Bysl	**5.25271**	80049
chr10	102512222	102546560	Rassf9	**3.38732**	31274
chr9	21104068	21131275	Tyk2	**4.92117**	104536
chr9	61917278	61946799	Kif23	**5.52958**	82557

chr2	71453338	71525191	Metap1d	**6.24781**	34289
chr6	143010920	143100152	C2cd5	**5.30554**	104375
chr2	164891892	164911750	Zfp335	**5.15323**	102659
chr11	73199482	73224506	Shpk	**4.71278**	57132
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chr11	106162974	106193603	Strada	**5.54283**	61444
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chr16	93711907	93810588	Dopey2	**4.02137**	130684
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chr10	81364036	81365820	4930404N11Rik	**4.70696**	14014
chr12	56328307	56345894	Mbip	**6.1598**	40492
chr7	45918023	45921426	Emp3	**5.08911**	21563
chr17	78852550	78882572	Eif2ak2	**5.36806**	101229
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chr13	38932140	38960875	Slc35b3	**6.0282**	58179
chr17	25834465	25837127	Rhbdl1	**4.6062**	30982
chr6	140424099	140594906	Plekha5	**4.31821**	96622
chr17	25989036	26069177	Rab11fip3	**4.65704**	105320
chr13	97898595	98206165	Arhgef28	**5.97987**	163154
chr7	45897069	45917413	Tmem143	**5.75146**	54380
chr2	15055362	15079191	Arl5b	**5.05101**	79133
chr2	30171524	30172951	Endog	**5.66797**	16134
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chr19	46328184	46329593	Fbxl15	**4.73672**	20710
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chr6	72565922	72598413	Elmod3	**5.86224**	57114
chr17	26091745	26095470	Nme4	**4.66275**	17541
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chr11	82900768	82908395	Nle1	**5.10541**	39325
chr8	56531522	56550566	Cep44	**5.45139**	33245
chr6	120931546	121131022	Mical3	**4.41681**	189801
chr2	165490112	165493314	2810408M09Rik	**6.01605**	48988
chr4	136286069	136293942	Zfp46	**5.19657**	105040
chr16	18071726	18089190	Prodh	**4.77908**	47561
chr12	17348493	17430095	Nol10	**4.55341**	59269
chr10	23785183	23787209	Rps12	**6.13719**	13858
chr8	116888685	116921436	Cmc2	**5.11218**	32090
chr4	109978025	109983684	Dmrta2	**5.69584**	73171

chr5	136987019	136996646	Plod3	**5.24575**	67549
chr8	25785591	25803975	Lsm1	**5.46834**	56256
chr16	18254773	18289168	Dgcr8	**5.08432**	73981
chr12	86241878	86291368	Gpatch2l	**4.72521**	80723
chr11	48802033	48802109	Snord96a	**4.38547**	1472
chrX	164438101	164459100	Asb11	**6.26895**	34487
chr11	87663087	87735539	Rnf43	**4.52904**	85111
chr2	22895522	22939988	Pdss1	**4.95302**	29450
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chr10	11281330	11297969	Fbxo30	**5.26824**	117443
chr10	24641411	24712102	Enpp1	**3.84143**	53987
chr9	72274899	72363771	Zfp280d	**5.11151**	97171
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chr8	110741829	110805924	Il34	**3.0506**	24721
chr5	86521226	86632424	Tmprss11f	**6.18556**	115324
chr7	126861972	126865122	Hirip3	**5.18006**	56700
chr1	45311538	45349706	Col3a1	**8.64264**	209621
chr16	18348182	18406881	Arvcf	**4.88292**	103170
chr1	132113547	132139685	Cdk18	**4.429**	58808
chr6	43345007	43666175	Tpk1	**5.5045**	61475
chr14	60963834	61046855	Tnfrsf19	**5.16932**	107644
chrX	20617565	20650905	Rbm10	**4.62903**	73773
chr9	44969572	44980431	Cd3g	**5.04417**	22494
chr2	130632765	130642844	Lzts3	**7.2933**	137312
chr11	57645442	57787500	Galnt10	**6.61677**	135593
chr1	133655879	133660885	Zbed6	**3.09957**	67652
chr6	39603237	39725463	Braf	**4.58721**	194524
chr15	75657033	75678790	Top1mt	**4.24389**	35057
chr11	3131945	3193463	Sfi1	**5.54717**	95031
chr11	117966087	117969366	Socs3	**4.36884**	51877
chr16	35832878	35871382	Parp14	**5.9901**	189336
chr2	12924041	13001886	Pter	**4.8045**	42997
chr5	25222893	25265918	Galnt11	**5.30118**	58719
chr12	77238104	77475996	Fut8	**6.02295**	104547
chr12	113014508	113074401	Pacs2	**4.4173**	105521
chr7	81571292	81596836	Whamm	**5.65584**	75665
chr15	73101625	73184947	Ago2	**3.69952**	129514
chr5	34369933	34486458	Fam193a	**4.5936**	110954
chr11	75178925	75190483	Dph1	**4.04327**	23935
chrX	159627272	159975920	Sh3kbp1	**4.11062**	107208
chr4	148039077	148059562	Mthfr	**4.8082**	128713
chr7	126688927	126695783	Slx1b	**5.53251**	89040
chr8	77595978	77610653	Tmem184c	**5.16704**	60409
chr1	169741477	169747642	Rgs4	**2.22039**	28466
chr4	123349633	123684360	Macf1	**3.88091**	397475
chr10	39369799	39565374	Fyn	**4.54342**	72983
chr2	28822300	28840360	Gtf3c4	**4.88085**	151615

chr10	19000910	19015410	Tnfaip3	**5.75888**	111009
chr2	119373042	119477629	Ino80	**4.62901**	127044
chr8	111864898	111876675	Tmem170	**3.93303**	33312
chr9	94669892	95230452	Slc9a9	**5.2444**	79831
chr11	69901816	69913824	Neurl4	**4.63511**	106299
chr6	120463197	120483727	Il17ra	**4.58569**	79359
chr1	194938821	194961292	Cd34	**6.43729**	69395
chr2	103566310	103718423	Abtb2	**3.82642**	76027
chr4	133011506	133078110	Ahdc1	**4.65154**	133867
chr1	163779679	163917100	Kifap3	**5.24303**	89295
chr1	89454811	89895282	Agap1	**4.24981**	177493
chr17	27856507	27900040	Uhrf1bp1	**4.1789**	156060
chr11	76210571	76217572	Gemin4	**4.80009**	72147
chr17	74717750	74863570	Ttc27	**4.88693**	60074
chr14	118137127	118164232	Gpr180	**5.99685**	75208
chr11	111066164	111076825	Kcnj2	**5.91083**	140374
chr9	44110781	44113051	Rnf26	**4.10218**	40610
chr16	8633731	8637701	Tmem186	**5.22119**	65503
chr14	48446352	48515159	Tmem260	**4.96935**	113033
chr13	100697241	100730942	Cdk7	**4.84127**	155767
chr4	134275005	134287846	Pdik1l	**5.64519**	116323
chr7	19581038	19604486	Clasrp	**5.11902**	51011
chr13	95627177	95891922	Iqgap2	**5.06042**	127303
chr10	84622437	84727178	Polr3b	**4.72038**	99386
chr5	90891245	90893115	Cxcl1	**4.42658**	18312
chr8	70184340	70212281	Slc25a42	**4.75143**	65699
chr13	98263076	98274754	Ankra2	**5.79849**	82932
chr5	114727408	114773492	Git2	**4.84293**	106273
chr17	88440712	88490533	Foxn2	**5.60516**	124221
chr2	119112817	119136070	Rad51	**4.81317**	44858
chr7	139978938	139992488	Adam8	**6.51536**	86255
chr5	134932373	134942637	Wbscr27	**5.77223**	70529
chrX	141475419	141689235	Col4a5	**4.38821**	120875
chr19	5917556	5924816	Cdc42ep2	**6.73761**	43791
chr17	24443778	24455392	E4f1	**5.19939**	60198
chr1	153218922	153332786	Lamc1	**4.33692**	144096
chr19	37376403	37421859	Kif11	**5.09251**	106977
chr1	170874188	170885540	Dusp12	**4.75702**	28492
chr6	94500314	94604528	Slc25a26	**5.61481**	43934
chr18	35553410	35558316	Snhg4	**6.15202**	30867
chr11	46436947	46442721	Med7	**6.37524**	71533
chr10	115384959	115432771	Zfc3h1	**4.28241**	129852
chr8	111536640	111626030	Znrf1	**5.75443**	114761
chr13	73467383	73514538	Lpcat1	**5.52153**	38631
chr6	85431976	85446429	Smyd5	**5.04769**	54855
chr1	75521529	75537335	Stk11ip	**4.88338**	94899
chr7	19606222	19629438	Relb	**4.52873**	43431

chr9	5345476	5373034	Casp12	**6.21519**	70577
chr5	135149711	135162662	Tbl2	**4.57176**	86412
chr8	123518835	123536650	Gas8	**5.55114**	40653
chr3	94372794	94398274	Rorc	**4.48135**	66731
chr9	108808380	108818366	Nckipsd	**4.48878**	56158
chr8	66860217	66890564	Naf1	**4.6044**	60013
chrY	1097144	1245738	Uty	**5.46662**	124582
chr9	31426196	31464238	Tmem45b	**3.85936**	26497
chr15	50654759	50890041	Trps1	**5.21553**	231945
chr11	90638184	90645690	Cox11	**5.18262**	44551
chr7	46760466	46795881	Hps5	**4.76995**	97893
chr14	26573858	26634322	Dennd6a	**5.28596**	159153
chr4	120921202	120925005	Exo5	**5.01005**	43002
chr11	54522845	54699286	Rapgef6	**4.41304**	179174
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chr6	6956018	7039220	Acn9	**6.30816**	15124
chr2	134594502	134644121	Tmx4	**4.67443**	104878
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chr7	25317164	25365917	Megf8	**4.3959**	192390
chr3	37420280	37579095	Spata5	**4.08227**	51784
chr2	181195124	181202789	Ptk6	**2.91189**	29017
chr12	24651371	24662782	Klf11	**4.02705**	69902
chr9	57940135	57962865	Sema7a	**4.06957**	58098
chr18	61493794	61536536	Arhgef37	**4.53833**	63979
chr13	112927793	112969187	Dhx29	**4.91934**	87878
chr17	3519398	3557713	Tfb1m	**4.96892**	25819
chr3	93319749	93333572	Hrnr	**2.49235**	115794
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chr1	131744022	131770405	Slc26a9	**4.22026**	66964
chr11	100780731	100850585	Stat5b	**4.63826**	110031
chr11	67854523	67922153	Usp43	**5.85918**	113964
chr14	30479565	30527056	Dcp1a	**4.63033**	113355
chr3	32510550	32520833	Zfp639	**6.30073**	56607
chr9	15709769	15738789	Slc36a4	**3.42363**	28908
chr14	14012491	14107301	Atxn7	**5.30998**	158603
chr8	94037198	94067922	Ogfod1	**4.52586**	104780
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chr12	111803193	111813841	Xrcc3	**4.51057**	47386
chr15	53068261	53346183	Ext1	**4.35488**	65759
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chr17	32965831	32979211	Zfp472	**6.60399**	67277
chr8	13288127	13322924	Tmco3	**5.58328**	107551
chr5	149184560	149215434	Uspl1	**5.48402**	82092
chr10	117750643	117792705	Nup107	**4.93721**	66546
chr11	3514702	3517351	Selm	**6.78343**	25785
chr9	20468549	20492746	Zfp426	**5.21514**	77726
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chr11	87127075	87220686	Trim37	**4.40651**	108279
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chr7	45554928	45567321	Hsd17b14	**2.99635**	17829
chr4	141467938	141538597	Spen	**3.62683**	193687
chr13	24937785	24939049	9330162012Rik	**4.69868**	25910
chr2	24291196	24293820	Il1f10	**3.15408**	7397
chr9	3404085	3479236	Cwf19l2	**5.14349**	88631
chr8	126947173	126971079	Rbm34	**5.15712**	77131
chr16	90830859	90904885	Eva1c	**6.27238**	58567
chr1	64606480	64617168	Mettl21a	**5.13239**	59646
chr4	123016597	123054934	Trit1	**4.71975**	42362
chr4	121145373	121188534	Rlf	**5.29515**	151997
chr5	21424903	21482124	Fam185a	**4.0997**	55079
chr2	150749081	150771674	Entpd6	**4.44032**	48390
chr5	88565040	88651417	Rufy3	**4.12507**	117529
chr3	20057811	20118491	Hltf	**5.17301**	117034
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chr5	110664373	110770717	Ep400	**4.16363**	195982
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chr16	45626848	45654118	BC016579	**5.81942**	55606
chr6	86404219	86433405	Tia1	**5.49147**	107171
chr16	64780347	64786321	Zfp654	**6.21573**	128567
chr9	58253164	58262524	Stoml1	**5.76026**	56949
chr7	24743983	24760311	Cd177	**8.83193**	104488
chr19	37550418	37683249	Exoc6	**4.70154**	56012
chr4	26324506	26346652	Manea	**5.45253**	110000
chr9	106453838	106463959	Pcbp4	**4.9421**	42785
chr12	31484829	31499616	Cbll1	**4.58054**	70664
chr2	103721259	103761250	Nat10	**4.62798**	77791
chr11	119602995	119899591	Rptor	**3.91673**	116920
chr10	82619851	82623228	1190007I07Rik	**4.46385**	14555
chr5	108065674	108109219	Mtf2	**5.153**	117390
chr14	47540893	47568434	Atg14	**4.6754**	70334
chr17	26715650	26776626	Crebrf	**5.85385**	190184
chr7	28756174	28757567	Gm6537	**2.1257**	6857
chr2	153346139	153404007	Asxl1	**4.40695**	128211
chr6	113483569	113493338	Creld1	**2.79096**	24746
chr15	7873055	8099209	Wdr70	**5.07321**	47569
chr2	69135800	69189329	Nostrin	**5.94835**	46855
chr19	42247578	42270348	Golga7b	**5.18555**	67452

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chr11	69765912	69784026	Zbtb4	**4.61849**	157518
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chr2	168925361	168955587	Zfp64	**4.41498**	52983
chr13	49421223	49463060	Ippk	**4.94808**	72128
chr16	91014037	91044379	Paxbp1	**5.40286**	89709
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chr18	68300355	68324852	Rnmt	**5.68587**	124126
chrX	8193850	8206525	Porcn	**6.06454**	50123
chr5	122209729	122242297	Hvcn1	**2.85662**	18716
chr11	5827860	5838016	Polm	**4.61551**	58850
chr3	27097222	27153878	Ect2	**4.58293**	82248
chr16	33955012	33967003	Umps	**4.73287**	66412
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chr5	145194946	145201882	Zkscan14	**5.41395**	46752
chr7	108921853	108930158	Nlrp10	**5.59031**	109246
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chr5	36474078	36484285	Tada2b	**5.15922**	76083
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chr1	60343372	60387387	Cyp20a1	**5.73156**	37502
chr17	80393752	80480453	Sos1	**4.34975**	169115
chr8	106135400	106138722	1810019D21Rik	**5.72519**	35339
chr2	3284212	3328877	Nmt2	**4.68968**	90542
chr7	46923216	46958518	Uevld	**4.9416**	99240
chr4	94500079	94556796	Caap1	**5.60106**	51493
chr7	109893781	109960422	Dennd5a	**5.189**	112080
chr1	20730905	20734496	Il17a	**6.11787**	31229
chr2	153241532	153270249	Pofut1	**4.88436**	119297
chr9	78109192	78172109	Ick	**5.36731**	162117
chr6	72414308	72431106	Ggcx	**3.7205**	53893
chr19	46056539	46072909	Pprc1	**4.76518**	108929
chr8	71497753	71511769	Plvap	**4.28924**	37694
chr15	100689915	100729376	Galnt6	**6.3583**	159898
chr15	98571004	98589588	4930415O20Rik	**7.70202**	19003
chr14	70654246	70766628	Xpo7	**4.27313**	281606
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chr11	83294930	83298977	Pex12	**4.4656**	47517
chr7	110221703	110283506	Swap70	**4.86237**	85525
chr8	109705546	109724932	Zfp821	**5.98139**	64350
chr11	120456604	120458063	Oxld1	**4.13633**	14605
chr7	16119876	16127516	Kptn	**5.43277**	39052
chr5	140327674	140331898	Ftsj2	**5.10314**	32100
chr12	105613540	105685241	Atg2b	**4.32212**	191648

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chr6	134830199	134857883	Crebl2	**4.3781**	48399
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chr17	15396202	15433581	Fam120b	**4.70143**	93515
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chr8	105943590	105966115	Slc12a4	**4.8811**	81535
chr11	52252604	52282571	Tcf7	**4.2786**	41741
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chr6	38697840	38876190	Hipk2	**2.86435**	57124
chr7	140097815	140102441	Fuom	**5.20701**	52932
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chr15	88805243	88819318	Alg12	**4.23076**	39762
chr12	106010263	106077410	Vrk1	**4.7751**	79015
chr1	66175329	66442583	Map2	**5.00023**	120318
chr6	92091418	92169522	Nr2c2	**4.02011**	71569
chr17	78850505	78852544	Gm6548	**6.30104**	56033
chr19	29808108	29812974	Ranbp6	**4.45354**	94486
chr10	75831845	75834881	Gstt2	**3.27309**	19547
chr13	29325306	29855588	Cdkal1	**4.62991**	51223
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chr12	101837372	101913171	Trip11	**3.67902**	103409
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chr13	100759686	100775899	Cenph	**3.92947**	21223
chr13	43195519	43304172	Gfod1	**3.63338**	105389
chr16	17759621	17793382	Klhl22	**4.63038**	52843
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chr9	72532240	72622949	Rfx7	**4.8004**	167405
chr2	24976033	25054072	Pnpla7	**2.88911**	57794
chr13	90923122	90924732	Rps23	**6.05665**	14653
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chr5	37050857	37125298	Jakmip1	**6.55994**	68115
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chr2	32925254	32961255	Lrsam1	**3.99032**	68586
chr14	70474555	70520260	Bmp1	**4.51734**	87707
chr5	139359739	139460534	3110082I17Rik	**4.31595**	27487
chr16	17900709	17911348	Dgcr14	**5.23271**	64279
chr10	99107171	99197988	Poc1b	**5.72691**	68078

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chr11	95749067	95764713	Zfp652	**4.20629**	48865
chr15	103153290	103163284	Smug1	**4.84319**	76236
chr7	78895927	78908833	Aen	**4.67946**	52628
chr4	154142372	154156818	Wdr8	**4.50863**	31446
chr13	43370716	43395203	Sirt5	**5.12535**	30430
chr1	132989845	133025348	Mdm4	**4.09842**	62351
chr9	63953076	64022059	Smad6	**4.11759**	53327
chr11	114922781	114934386	Cd300lb	**3.00263**	37696
chr15	89123303	89128700	Hdac10	**4.42576**	46823
chr7	81881256	81934459	Hdgfrp3	**5.74227**	125232
chr11	74849264	74897080	Sgsm2	**4.0519**	84075
chr2	32621758	32635058	Ak1	**7.63169**	78678
chr15	12808177	12824657	6030458C11Rik	**4.6818**	111717
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chr5	53555779	53657445	Rbpj	**4.75886**	123513
chr1	105990406	106034079	Zcchc2	**4.20933**	106443
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chr4	46505072	46536141	Trim14	**5.53467**	77301
chr11	116645595	116654313	Cygb	**8.64074**	87800
chr14	51884842	51891868	Mettl17	**5.11895**	36216
chr11	119023029	119031270	Cbx2	**3.73804**	60942
chr8	121598703	121651933	Zcchc14	**4.4741**	126303
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chr17	50733127	51179352	Tbc1d5	**4.12672**	106171
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chr13	114452262	114458951	Fst	**3.13434**	34950
chr11	117654289	117763441	Tnrc6c	**3.73818**	142225
chr5	145147378	145167104	Ptcd1	**4.43651**	57612
chr12	75818318	76110928	Syne2	**4.10465**	388416
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chr16	21423118	21644681	Vps8	**4.07068**	89309
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chr14	20694968	20700197	Fut11	**5.38198**	78453
chr16	45729725	45742955	Abhd10	**4.27699**	21944
chr10	75646110	75764357	Cabin1	**3.63776**	118297
chr2	167980786	168010593	Fam65c	**4.90422**	62745
chr19	47090766	47131145	Pdcd11	**4.07948**	107463
chr3	133463677	133544390	Tet2	**5.0219**	200983
chr16	93883901	93906106	Chaf1b	**4.98798**	41595
chr5	140505609	140525238	Chst12	**4.24999**	33088
chr12	107910403	108003414	Bcl11b	**3.63289**	125471
chr11	60777525	60788287	Smcr8	**3.99659**	140715
chr10	127538158	127621148	Lrp1	**4.08556**	265202
chr17	25099569	25115967	Telo2	**4.34183**	66830
chr5	144768792	144859773	Trrap	**3.30244**	179602
chr2	104754793	104816696	Qser1	**4.05594**	158682

chr7	18245347	18266092	Mill1	**3.28003**	35588
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chr2	144305176	144332080	Ovol2	**5.2423**	35032
chr12	103728156	103738189	Serpina1b	**8.65807**	53782
chr6	136872435	136875805	Mgp	**6.27545**	16386
chr3	108040408	108044859	Gstm4	**3.99397**	29110
chr9	22225703	22243354	Zfp809	**4.34483**	39906
chr6	21949615	21976037	Ing3	**4.43123**	72533
chr10	120141654	120201537	Irak3	**4.49147**	58130
chr5	139150223	139186505	Heatr2	**4.07338**	61171
chr7	113207465	113314126	Arntl	**5.2074**	66011
chr5	74592447	74702903	Lnx1	**5.42135**	89756
chr5	36868570	36955078	Ppp2r2c	**2.56486**	45069
chr11	61505172	61512927	B9d1	**4.9212**	16840
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chr5	113243220	113310786	Sgsm1	**4.65747**	127480
chr11	84820728	84829003	Dhrs11	**5.15987**	31962
chr7	46443159	46639807	Sergef	**5.11741**	32569
chr14	54541785	54554361	Haus4	**5.35534**	37048
chr14	27428847	27483554	Fam208a	**5.1037**	164144
chr15	76721465	76723845	C030006K11Rik	**4.29047**	33160
chr16	62734852	62786716	Nsun3	**4.29379**	25156
chr12	16810965	16826752	E2f6	**5.00394**	54445
chr11	69157072	69169791	Alox12b	**4.93641**	50504
chr2	129100996	129126595	Polr1b	**4.99648**	87078
chr16	37509796	37539769	Gtf2e1	**4.60546**	61392
chr18	60813756	60848964	Tcof1	**3.79498**	76577
chr10	78170910	78185149	Pwp2	**4.48844**	75739
chr11	116434094	116434256	Ubald2	**3.52707**	2091
chrX	150547446	150570622	Alas2	**6.84503**	58185
chr1	182954788	182976044	Tlr5	**5.14088**	71689
chr5	8396969	8422716	Dbf4	**5.2836**	56221
chr16	44173397	44227466	Gm608	**4.05674**	222941
chr13	22040960	22041362	Hist1h4i	**5.07817**	8921
chr11	99514624	99521258	Krt39	**4.7926**	30272
chr5	122364584	122371963	Fam216a	**5.95397**	25513
chr10	95411490	95416857	Socs2	**4.26217**	48418
chr1	172376531	172384099	Pigm	**4.40442**	145321
chr2	60293760	60383231	Ly75	**3.55566**	80164
chr4	152086863	152115404	Plekhg5	**4.69722**	82231
chr3	92806291	92807891	Lce1k	**3.18292**	9199
chr3	113605067	113630149	Rnpc3	**5.62581**	54835
chr9	105642995	105687655	Pik3r4	**4.32981**	92182
chr3	10417817	10440130	Snx16	**4.73907**	54951
chr3	95739974	95754977	Tars2	**4.94689**	95745
chr9	46283012	46298783	Bud13	**5.34889**	51483
chr2	32414487	32431151	Slc25a25	**4.15103**	69376

chr9	58217180	58249786	Pml	**4.50439**	105579
chr7	105371211	105400054	Fam160a2	**5.32732**	231854
chr9	56950924	56983199	Snupn	**4.16714**	24305
chr16	18220753	18235136	Zdhhc8	**4.02119**	85331
chr18	44425060	44812182	Mcc	**4.48118**	153499
chr11	4097040	4118729	Sec14l2	**3.47634**	38309
chr9	88548020	88571086	Zfp949	**4.32723**	65964
chr14	20294690	20317575	Nudt13	**4.47549**	49222
chr18	12972252	12992948	Impact	**5.30554**	79374
chr18	68260185	68300333	Fam210a	**4.41637**	184796
chr3	84087934	84155786	Mnd1	**4.92481**	18763
chrX	16619698	16687812	Maoa	**5.1413**	93255
chr17	31564773	31607693	Pknox1	**4.24066**	82446
chr11	69561754	69579324	Wrap53	**5.03246**	41593
chr13	24907579	24937661	Aldh5a1	**3.97262**	84456
chr4	122946851	122961188	Mfsd2a	**5.32364**	49894
chr8	22168152	22185819	Ckap2	**5.24637**	59484
chr6	81957842	81965949	Mrpl19	**4.68821**	78783
chr9	96119429	96182953	Gk5	**3.82324**	45765
chr7	4148183	4149872	Leng9	**4.82031**	35511
chr7	133686355	133709295	Uros	**3.54387**	37462
chr12	79130788	79156016	Arg2	**4.66223**	23006
chr18	44071393	44083610	Spink6	**5.32981**	13638
chr2	165288031	165326479	Elmo2	**4.72317**	120878
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chr4	115624728	115647705	Cyp4b1	**6.60621**	53880
chr5	138259658	138264044	BC037034	**5.16626**	57157
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chr17	25779843	25785586	Haghl	**6.11808**	33257
chr6	121245906	121270917	Usp18	**6.84944**	52878
chr9	37229149	37255738	Slc37a2	**2.83227**	54768
chr7	97371617	97392158	Alg8	**4.28746**	37398
chr8	84066836	84096992	Rfx1	**3.3132**	60255
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chr5	86110730	86172743	Uba6	**4.09087**	90715
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chr11	97362551	97398542	Socs7	**4.73227**	144710
chr12	69724962	69744658	Atp5s	**4.95773**	32093
chr17	24892152	24895087	Eme2	**3.93122**	26065
chr3	116739999	116808166	Agl	**4.34864**	182455
chr6	17693994	17943023	St7	**4.3763**	52328
chr5	114808196	114813976	1500011B03Rik	**5.19949**	39415
chr13	64161866	64186537	Habp4	**3.85231**	43107
chr5	23431808	23434353	5031425E22Rik	**5.225**	57989
chr1	192098546	192138040	Rcor3	**4.9664**	95668

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chr10	19934526	20142750	Map3k5	**4.40855**	103640
chr14	46760541	46771525	Cdkn3	**5.01778**	16908
chr17	85063477	85090274	Prepl	**4.06308**	57226
chr15	77015487	77050606	Mb	**16.94173**	77544
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chr10	80226598	80245144	Mum1	**5.19486**	84172
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chr17	80224489	80228497	Gemin6	**5.14572**	24360
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chr14	56668248	56695748	Mphosph8	**4.42761**	49313
chr14	99076634	99098840	Dis3	**4.20002**	62194
chr17	56111601	56117548	Plin5	**2.97561**	25138
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chr19	47033619	47050845	Pcgf6	**4.43137**	40527
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chr14	46383607	46390599	Bmp4	**3.73781**	31072
chr7	19119859	19138261	Fbxo46	**4.48598**	57922
chr5	86012025	86065583	Cenpc1	**5.00315**	69594
chr8	124897886	124903813	Sprtn	**3.93931**	36336
chr6	87788853	87812164	Rab43	**5.17898**	110193
chr7	35397093	35438684	Cep89	**5.16223**	57765
chr1	58522806	58586333	Fam126b	**3.6004**	136465
chr12	69690436	69724874	L2hgdh	**4.30072**	62579
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chr4	41518929	41569527	Fam219a	**3.3389**	30696
chr5	92683435	92965759	Shroom3	**4.44315**	147548
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chr2	180176373	180225859	Lama5	**4.30422**	213670
chr11	98937696	98974942	Rara	**4.79341**	86318
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chr6	142350342	142387087	Recql	**4.26713**	68768
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chr12	101645446	101718523	Tc2n	**5.08266**	84348
chr2	59899363	60125740	Baz2b	**4.51487**	157054
chr6	83078390	83080855	Pcgf1	**4.6731**	17804
chr7	59307924	59324149	C230091D08Rik	**4.49136**	72597

chr8	111094745	111135144	Pdpr	**3.49479**	41422
chr11	98203305	98253540	Cdk12	**4.21944**	141057
chr12	111540946	111541066	Snora28	**3.5529**	1874
chr17	28328471	28331033	Rpl10a	**4.95869**	17941
chr4	117019408	117086852	Eif2b3	**4.79099**	83998
chr8	72814599	73352556	Large	**4.66684**	74640
chr7	101108775	101284405	Fchsd2	**5.63428**	108337
chr13	55539316	55571120	Fam193b	**4.62003**	87425
chr9	44295673	44305671	Hinfp	**4.04317**	37012
chr14	61339763	61360445	Ebpl	**4.47142**	40484
chr9	52111985	52168111	Zc3h12c	**5.35806**	140513
chr2	104095801	104115410	Cd59a	**5.08041**	41347
chr1	84839841	84900486	Fbxo36	**3.50145**	13737
chr6	71812997	71823784	Mrpl35	**4.68131**	75402
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chr16	4544661	4559720	Tfap4	**4.35637**	40126
chr5	24862735	25100642	Prkag2	**5.00506**	75424
chr7	35772346	35801528	Zfp507	**4.10759**	116995
chr1	161040613	161070632	Dars2	**4.19587**	65498
chr4	130792537	130826318	Sdc3	**2.91594**	63199
chr2	172356190	172370570	Aurka	**4.93512**	42488
chr8	36216064	36249516	Lonrf1	**4.83176**	82775
chr1	139422383	139453007	Zbtb41	**4.45764**	162486
chr11	26476554	26593920	Vrk2	**5.71177**	37497
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chr4	139962173	139968026	Klhdc7a	**4.83706**	121431
chr5	137294669	137295664	Ufsp1	**4.54982**	19754
chr3	85574129	85654470	Gatb	**4.37277**	43975
chr11	78180936	78183584	Rpl23a	**4.36809**	10644
chr11	23741729	23770970	Rel	**3.28018**	36948
chr4	155654470	155669254	Mib2	**4.00573**	69951
chr8	79266424	79294956	Mmaa	**4.36414**	54085
chr16	37539894	37572385	Rabl3	**5.23996**	46186
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chr5	28317189	28419242	Rbm33	**4.22366**	174928
chr9	114404521	114411201	Tmppe	**3.41855**	99560
chr2	154436484	154539356	Cbfa2t2	**4.0765**	108042
chr19	38930990	38968277	Hells	**4.15737**	54712
chr10	45289305	45318450	Popdc3	**5.84599**	47170
chr6	65042667	65116049	Smarcad1	**4.77543**	106124
chr12	73280410	73286711	Trmt5	**4.4469**	32353
chr7	123123885	123195296	Tnrc6a	**4.81048**	177801
chr12	51875873	51971321	Heatr5a	**4.32652**	146372
chrX	140456603	140476140	Prps1	**4.79713**	41300
chr15	93283833	93336935	Yaf2	**5.11297**	51664
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chr5	123142193	123168630	Setd1b	**3.3367**	128841
chr6	120509494	120531299	Cecr5	**4.1979**	34915
chr1	179961089	180165237	Cdc42bpa	**3.98399**	143988
chr17	36958592	36965623	Znrd1as	**4.4291**	18863
chr13	23703841	23710811	Hfe	**4.66039**	34983
chr2	127138769	127143457	Itpripl1	**4.21427**	69000
chr10	128958285	128960988	Mettl7b	**5.17389**	27493
chr15	76852141	76871435	Zfp251	**4.23007**	64612
chr1	131254602	131279563	Ikbke	**4.05376**	56600
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chr5	57718021	58132240	Pcdh7	**4.73925**	187853
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chr5	138755081	138810063	Fam20c	**4.06466**	53173
chr5	72647796	72671078	Nipal1	**3.35097**	61424
chr2	92184182	92364666	Phf21a	**4.37834**	131921
chr12	3426857	3506849	Asxl2	**3.71806**	146403
chr18	23954688	23964670	Zfp397	**4.29468**	102704
chr11	32232703	32267707	Nprl3	**3.93901**	42343
chr19	4195420	4201603	Rad9a	**4.28256**	34051
chr11	115892595	115933492	Recql5	**4.0351**	70112
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chr15	81663889	81688315	L3mbtl2	**4.14087**	60939
chr17	21567046	21588682	Zfp948	**4.09772**	46389
chr11	76904545	76916586	Tmigd1	**4.73383**	28188
chr10	81621786	81627608	Sirt6	**4.28609**	39871
chr15	39094191	39112716	Slc25a32	**4.15589**	53352
chr15	93239742	93275084	Gxylt1	**4.05608**	115528
chr3	54361107	54391041	Postn	**7.39652**	106239
chr6	129485247	129507165	Olr1	**3.40948**	53044
chr16	13256481	13417529	Mkl2	**3.80252**	148966
chr10	122678762	122945793	Ppm1h	**3.04092**	83326
chr16	15889546	16146851	Spidr	**3.94278**	50874
chr2	25926838	25983282	Camsap1	**4.26623**	150153
chr3	100825459	100896922	Vtcn1	**4.39496**	50233
chr5	106616741	106696830	Zfp644	**5.0005**	124030
chr2	30472641	30474199	Ier5l	**4.40353**	29926
chr10	80540926	80561560	Rexo1	**3.63531**	83180
chr2	180258539	180273465	Cables2	**4.44496**	57063
chr7	35276544	35318440	Gpatch1	**4.68869**	62481
chr2	121492681	121506656	Mfap1a	**4.53525**	67593
chr11	67532998	67688992	Gas7	**2.86449**	92052
chr12	64965742	65022573	Fam179b	**4.58339**	128549
chr15	35371546	35931229	Vps13b	**3.71447**	216502

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chr16	17146967	17148857	Ydjc	**5.4073**	31114
chr14	70180468	70207671	Sorbs3	**4.98793**	75079
chr7	112225836	112353975	Mical2	**3.64956**	58545
chr11	69070809	69073293	Tmem107	**4.60837**	20872
chr2	121142093	121156680	Adal	**3.80948**	41100
chr8	123232258	123236209	Spata2l	**3.15478**	32235
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chr17	34894559	34896844	Zbtb12	**5.16888**	41346
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chr14	41172212	41185198	Sftpd	**21.43325**	123889
chr10	42312585	42478565	Lace1	**3.8061**	41694
chr2	129364580	129371120	Il1b	**3.39713**	19651
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chr11	100766332	100770957	Ghdc	**4.33234**	40830
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chr2	154376314	154408084	Snta1	**4.06743**	37500
chr2	127103810	127133954	Ncaph	**4.1582**	48832
chr6	86527330	86564449	1600020E01Rik	**6.44282**	19126
chr13	64133057	64153199	Zfp367	**4.00745**	60967
chr19	29714402	29806009	9930021J03Rik	**3.77672**	132134
chr3	93197273	93221376	Flg2	**1.37543**	45993
chr7	137375569	137410756	9430038I01Rik	**5.73405**	28120
chr11	60728398	60732951	Mief2	**4.6963**	51630
chr5	92006074	92043042	Cdkl2	**3.88451**	77486
chr6	29398926	29426995	Ccdc136	**2.70191**	41117
chr11	98152155	98193293	Med1	**3.9058**	129210
chr4	141368192	141384174	Fam131c	**4.98103**	31701
chr4	130047840	130099277	Col16a1	**3.77907**	85761
chr11	62281473	62316424	Ttc19	**4.66817**	69574
chr10	41476314	41487030	Mical1	**3.85368**	59854
chr1	191821473	191833049	Nek2	**4.88039**	68014
chr9	106440051	106447678	Abhd14a	**4.55303**	26000
chr7	44501699	44524669	Mybpc2	**14.42807**	227928
chr13	73260497	73269620	Irx4	**4.13137**	46842
chr7	142201364	142203015	Krtap5-3	**3.70766**	26700
chr17	83215283	83225069	Pkdcc	**3.218**	34424
chr11	83437694	83441232	1700020L24Rik	**5.32111**	21595
chr2	131170261	131174810	Spef1	**3.73793**	36890
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chr17	35194507	35196305	Ltb	**2.63698**	12587
chr8	125418063	125492710	Sipa1l2	**3.6486**	101234
chr7	25228931	25230264	9130221H12Rik	**5.01564**	22651
chr16	72663149	73046100	Robo1	**4.25277**	140299
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chr1	180227004	180256300	Psen2	**4.77145**	43346
chr2	118814003	118836212	Knstrn	**4.79112**	65120
chr11	62248984	62266452	Adora2b	**3.11062**	25004
chr5	137518880	137527935	Gigyf1	**4.03961**	95759
chr1	131285251	131527361	Srgap2	**3.6656**	128470
chrX	100590154	100594869	P2ry4	**2.21472**	42807
chr18	65580230	65689436	Zfp532	**3.76282**	90149
chr7	19140217	19149196	Qpctl	**4.45468**	40779
chr3	94955015	94961561	Rfx5	**4.00242**	73086
chr5	29735937	29786478	Dnajb6	**4.95865**	84322
chr18	77633281	77714010	8030462N17Rik	**4.24979**	63320
chr5	131437682	132542343	Auts2	**3.74889**	99016
chr2	30091020	30093635	Zdhhc12	**4.50413**	21951
chr1	58973571	58995121	Stradb	**5.24656**	52991
chr17	80292325	80297476	Morn2	**5.19657**	11802
chr4	3574879	3616623	Tgs1	**4.46591**	84236
chr4	108814295	108833584	Btf3l4	**5.14339**	69751
chr10	79755119	79756961	Fgf22	**3.43072**	7313
chr16	59613321	59639339	Arl6	**6.28665**	40997
chrX	52272427	52613974	Gpc3	**3.63009**	35889
chr8	90828835	91054508	Chd9	**3.54456**	177952
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chr11	67052670	67067440	Sco1	**4.59942**	85812
chr5	3583978	3596547	Rbm48	**4.07474**	31546
chr1	143999338	144004149	Rgs2	**4.09174**	53670
chr11	17211893	17235200	Wdr92	**4.3745**	65426
chr9	96196275	96323646	Tfdp2	**4.05486**	135131
chr7	141475236	141493135	Tspan4	**4.82015**	26832
chr3	97203662	97227364	Bcl9	**4.77261**	126949
chr12	9029997	9036394	Ttc32	**5.29072**	23063
chr2	121956093	122015326	Ctdspl2	**4.15131**	120249
chr15	74747856	74752979	Lynx1	**4.02157**	69281
chr14	65919395	65953744	Scara3	**3.18624**	47293
chr6	71909053	71979360	Polr1a	**3.71378**	98898
chr13	54575013	54581128	Arl10	**3.64877**	16669
chr9	32696042	32757820	Ets1	**3.21726**	70964
chr10	128270576	128292849	Stat2	**4.70432**	90107
chr5	146951573	146963797	Mtif3	**4.14221**	77968
chr5	100420842	100429535	5430416N02Rik	**4.8105**	13127
chr11	59197793	59202431	2610507I01Rik	**4.00219**	50681
chr8	11611581	11635757	Ankrd10	**5.08704**	104711
chr13	63511533	63565520	Ptch1	**3.41562**	64098
chr14	31001667	31012432	Glt8d1	**4.24784**	41515

chr11	6415870	6419810	Ppia	**4.81746**	15456
chr7	105604463	105633571	Trim3	**3.87164**	55306
chr14	87416583	87545508	Tdrd3	**4.39841**	117705
chr19	4496788	4498583	2010003K11Rik	**2.60462**	13250
chr7	56050155	56231798	Herc2	**3.53556**	236513
chr5	110361752	110448503	Fbrsl1	**3.82513**	82521
chr19	24999529	25202432	Dock8	**2.88407**	98188
chr15	37923953	37961055	Rrm2b	**5.10533**	100414
chr13	40001882	40288011	Ofcc1	**2.64041**	32412
chr5	144195347	144223578	Tecpr1	**3.37229**	61212
chr4	143107391	143212709	Prdm2	**4.25346**	214135
chr11	107933387	108343888	Prkca	**4.48943**	163782
chr6	149157577	149188712	Amn1	**5.71273**	25575
chr13	95325237	95337841	Zbed3	**4.24298**	35031
chr4	143412426	143421087	Pramef8	**4.60898**	77994
chr15	76723985	76818170	Arhgap39	**2.86951**	57377
chr17	21450352	21465589	Zfp51	**4.61649**	52282
chr4	138455148	138460126	Camk2n1	**6.44131**	101448
chr7	141839072	141873085	Muc5b	**4.14914**	270631
chr1	36530534	36535729	Ankrd23	**7.17559**	61120
chr9	43123939	43205755	Pou2f3	**3.92541**	43155
chr6	34945295	34977999	2010107G12Rik	**4.44678**	41831
chr7	104244457	104262236	Trim34a	**5.20078**	58491
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chr15	72805600	72810324	Peg13	**4.31617**	88900
chr8	123332713	123369518	Spire2	**4.32345**	43969
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chr15	3963564	3979573	Fbxo4	**5.30289**	79658
chr11	75440943	75454717	Wdr81	**3.64458**	109765
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chr16	4084048	4213404	Crebbp	**3.43224**	112317
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chr16	32332252	32393747	Ubxn7	**4.48727**	201827
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chr4	124802549	124849484	Mtf1	**3.31224**	105618
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chr7	122038821	122067063	Ears2	**3.71009**	29855
chr14	21750531	21798725	Samd8	**4.60061**	140323
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chr7	110768206	110812408	Ampd3	**3.55459**	66179
chr18	37806410	37808977	Pcdhgc3	**4.75162**	53191
chr19	33137745	33392295	Rnls	**3.76719**	26751
chr8	66476346	66486507	Tma16	**3.40436**	16146
chr11	98626360	98638089	Gsdma3	**2.14772**	13828
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chr3	135436221	135438665	4930539J05Rik	**3.75503**	8168
chr4	59003193	59023398	Dnajc25	**4.32262**	34426
chr9	45838529	45862484	Bace1	**3.26508**	59693
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chr10	92684745	92722418	Nedd1	**4.3543**	67060
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chr17	88626555	88645724	Ston1	**2.9454**	38300
chr13	70588689	70637634	Ice1	**3.63763**	121702
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chr11	70669463	70688105	Camta2	**3.61374**	72967
chr9	97077011	97111041	Slc25a36	**4.26452**	56903
chr17	35517116	35531015	Cchcr1	**4.13011**	47872
chr6	30047988	30153458	Nrf1	**4.33031**	100838
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chr6	71213940	71262281	Smyd1	**3.27389**	47966
chr7	127712736	127718185	Ctf1	**4.54731**	28346
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chr8	4735980	4779534	Shcbp1	**3.91179**	36355
chr11	55204340	55236330	Slc36a1	**3.67875**	84575
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chr5	31054780	31078479	Cad	**3.46389**	107660
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chr19	6996131	6998957	Trpt1	**5.40086**	24838
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chr3	90385233	90389927	Slc27a3	**4.01025**	39595

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chr11	96953338	96977688	Sp2	**3.7672**	49840
chr17	32993139	33005457	Zfp952	**4.21573**	55278
chr6	85915719	85930284	Tprkb	**5.42449**	52991
chr1	59100593	59120096	Tmem237	**3.83412**	32959
chr1	151367699	151428435	Swt1	**3.81154**	60944
chr5	38349273	38502152	Slc2a9	**5.92815**	99878
chr2	181205563	181213171	Srms	**2.95927**	32856
chr11	17938749	17953875	Etaa1	**4.18425**	76461
chr15	34453312	34473892	Erich5	**2.76423**	28630
chr1	73910231	74124447	Tns1	**4.30247**	186913
chr2	6188465	6212994	Echdc3	**5.12194**	40457
chr7	72077830	72306595	Mctp2	**4.13547**	104359
chr9	19622091	19649731	Zfp317	**4.15319**	72870
chr7	80902227	80905062	Nmb	**5.6566**	16940
chr11	100574939	100581739	Cnp	**4.20249**	49059
chr16	36934983	36963214	Hcls1	**3.0193**	26560
chr19	8725866	8725991	Snord22	**6.92214**	3802
chr10	127801153	127815839	Rdh16	**5.43452**	75997
chr11	101665541	101667832	Arl4d	**2.95452**	17799
chr19	45552276	45560543	Poll	**3.20869**	32660
chr11	121356121	121388251	Rab40b	**3.21988**	26177
chr2	73283872	73312592	Cir1	**4.18598**	35491
chr6	99625137	99666771	Eif4e3	**5.19137**	56869
chr8	26158169	26164151	Thap1	**4.03727**	39897
chr7	131388649	131410478	Ikzf5	**4.77189**	91318
chr7	55794148	55831447	Tubgcp5	**4.55553**	73098
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chr18	36348624	36393370	Cystm1	**4.35673**	11300
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chr5	30058200	30073625	Tyms	**3.72792**	61882
chr4	118362745	118409263	Szt2	**2.94479**	140601
chr14	70154405	70159502	9930012K11Rik	**3.89672**	33684
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chr14	59347407	59365490	Phf11d	**5.93928**	69541
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chr12	31265294	31329639	Lamb1	**3.80504**	95838
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chr17	36258873	36272004	Trim39	**4.21238**	58429
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chr17	24528251	24528744	Rab26os	**4.85867**	6248
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chr17	24961226	25015230	Cramp1l	**3.22128**	105582
chr7	25077205	25083492	Zfp574	**4.39553**	81165
chrX	8238668	8252406	Ftsj1	**4.16073**	62120
chr11	51584757	51603269	Phykpl	**4.27384**	34317
chr5	150259930	150497753	Fry	**3.07975**	144051
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chr5	17574816	17730267	Sema3c	**4.32037**	93318
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chr13	12395375	12438893	Heatr1	**3.40461**	100564
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chr9	50895344	51009073	Sik2	**3.61764**	46726
chr2	26397122	26409219	Inpp5e	**3.63269**	52146
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chr11	53567369	53604246	Kif3a	**3.5807**	85068
chr1	187215511	187351429	Gpatch2	**3.48719**	69150
chr4	119225138	119232724	AU022252	**3.14984**	25635
chr16	88707171	88707962	2310061N02Rik	**5.03991**	17400
chr10	61715263	61738646	Aifm2	**4.60467**	31875
chr2	72979432	72989249	Sp3os	**3.46314**	15670
chr8	106150399	106164715	Pla2g15	**3.9675**	46800
chr17	23776918	23786077	Flywch2	**3.92352**	11767
chr5	35556209	35575070	Trmt44	**3.26105**	53791
chr5	91963069	91972137	Thap6	**4.71888**	71708
chr3	30602087	30619873	Mynn	**3.75892**	90662
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chr1	143750791	143777051	Trove2	**4.23198**	160865
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chr3	84815577	84979198	Fbxw7	**4.10952**	82691
chr5	115429685	115454202	Msi1	**1.45288**	9823
chr6	4505697	4541543	Col1a2	**8.72534**	195614
chr7	140863732	140882309	Sirt3	**4.39811**	28873
chr9	110305192	110322102	Elp6	**3.93764**	35428
chr2	130707853	130840110	4930402H24Rik	**2.95008**	63669
chr8	106935750	107014192	Sntb2	**3.48383**	67170
chrX	101274091	101298934	Med12	**3.2288**	118890
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chr4	43567061	43578734	Gba2	**3.8019**	54227
chr5	149265058	149288047	Alox5ap	**3.40344**	12670
chr18	38327537	38338993	Gnpda1	**3.55794**	35672
chr12	108206345	108275417	Ccdc85c	**3.07195**	20716
chr16	44724301	44737284	BC027231	**3.62866**	45334
chr3	83836272	83841608	Tlr2	**3.88386**	48336
chr8	84872111	84887446	Syce2	**3.90787**	23389
chr19	4270180	4283137	Ankrd13d	**3.91656**	36553
chr7	131342718	131362698	2310057M21Rik	**3.98782**	38487
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chr17	65967501	66077046	Ankrd12	**3.56387**	139679
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chr13	100017994	100104070	Bdp1	**3.31481**	143356
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chr17	34122832	34139101	H2-DMa	**2.92108**	21112
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chr11	63962627	64079472	Cox10	**3.43091**	43686
chr3	103800605	103809387	Dclre1b	**3.92958**	69118
chr11	40701388	40733437	Hmmr	**3.86708**	65979
chr11	70984091	71004432	Dhx33	**3.67332**	82929
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chr5	122158279	122175269	Ppp1cc	**3.82338**	39650
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chr15	89582527	89591923	Rabl2	**3.49122**	25050
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chr9	30899155	30922452	Adamts15	**1.24593**	32196

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chr10	4367074	4388108	Zbtb2	**4.13593**	58180
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chr7	27258761	27282150	Numbl	**4.15242**	49470
chr8	111003186	111031751	Ddx19b	**3.30476**	97240
chr11	26387084	26471883	Fancl	**5.14473**	31330
chr17	78752906	78835381	Heatr5b	**2.942**	82552
chr9	122945089	122951000	1110059G10Rik	**4.02946**	59036
chr8	129216354	129234046	2610044O15Rik8	**5.82911**	45128
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chr1	44119968	44144771	Bivm	**4.63527**	72155
chr16	96235801	96319858	B3galt5	**5.74226**	133367
chr11	82764345	82767622	Zfp830	**4.28937**	61292
chr18	53681723	53744547	Cep120	**3.97329**	78876
chr12	55836366	55869735	Brms1l	**4.07373**	45567
chr11	116030316	116061214	Unk	**3.41345**	55665
chr18	61730262	61786662	Afap1l1	**3.40949**	50577
chr18	61105572	61131139	Csf1r	**2.97922**	50324
chr4	107367784	107414338	Ndc1	**3.25403**	36540
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chr4	15997121	16013877	Osgin2	**4.2797**	49382
chr8	70493156	70504081	Crlf1	**5.79402**	41573
chr8	110919865	110972497	St3gal2	**3.61974**	70532
chr16	45711230	45724531	Tagln3	**3.58405**	18170
chr12	70011435	70112035	Nin	**4.29846**	197026
chr11	54902854	54910382	Gpx3	**6.66886**	44100
chr3	96161970	96171718	Mtmr11	**4.89741**	60032
chr12	55045661	55080110	2700097O09Rik	**3.47622**	17987
chr7	90302355	90410719	Sytl2	**5.00331**	117644
chr6	82041628	82093099	Eva1a	**4.4888**	34595
chr12	112620047	112641355	Adssl1	**7.12891**	55657
chr2	105700109	105904500	Elp4	**3.94271**	67063
chr2	29060263	29087650	Ttf1	**3.67288**	66492
chr5	130073326	130135733	Tpst1	**5.10127**	48099
chr7	80993684	81045162	Zfp592	**3.84284**	122152
chr5	125441568	125460885	Bri3bp	**3.41905**	104150
chr13	111686178	111718594	Mier3	**4.21324**	96918
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chr4	62408783	62426990	Prpf4	**3.77987**	86290
chr4	33310311	33502610	Rngtt	**3.46065**	62650
chr14	21499770	21672478	Kat6b	**3.6132**	115561
chr9	106194953	106199233	Ppm1m	**3.48726**	31467
chr3	62338777	62462221	Arhgef26	**2.99515**	67958

chr8	107069402	107096545	Terf2	**3.92007**	67276
chr8	109593248	109608673	Dhodh	**4**	40418
chr2	90885786	90890526	C1qtnf4	**4.17782**	24859
chr14	97786846	98169765	Dach1	**3.79268**	90071
chr9	44067021	44095627	Usp2	**3.40197**	65043
chr11	50174851	50200115	3010026O09Rik	**3.01926**	15004
chr1	136416582	136440220	Ddx59	**4.32814**	39149
chr11	84078920	84129568	Tada2a	**4.10164**	37887
chr6	39381428	39390379	Rab19	**5.27644**	30384
chr1	184896424	184999549	Mark1	**3.25817**	64836
chr11	55049738	55078131	Ccdc69	**3.89403**	24087
chr2	101950201	102186460	Ldlrad3	**2.94507**	50158
chr8	107293470	107379517	Nfat5	**3.21478**	188386
chr7	29768552	29781419	Zfp84	**3.97774**	99026
chr8	72494559	72548310	Med26	**3.6059**	47769
chr14	49066668	49087723	Ap5m1	**3.92837**	51236
chr1	40465552	40500854	Il18r1	**3.41047**	71048
chr12	80463095	80498135	Exd2	**3.79036**	54905
chr11	84880220	84910954	Myo19	**3.50024**	56287
chr11	78567168	78697425	Nlk	**3.60758**	70704
chr7	102082147	102083018	Xntrpc	**4.40709**	6551
chr15	56665627	56694546	Has2	**4.36933**	77367
chr19	34290659	34327770	Fas	**3.63185**	28513
chr11	69183885	69197843	Alox8	**3.03151**	43252
chr14	33377899	33447158	Mapk8	**4.78545**	120052
chr11	78032313	78037864	Dhrs13	**4.35379**	33099
chr10	61319657	61383523	Pald1	**2.764**	51496
chr3	9687482	9833679	Pag1	**2.73407**	98361
chr8	10924427	10928457	3930402G23Rik	**4.66283**	57868
chr2	23510054	23572104	Spopl	**4.21795**	52549
chr7	80343137	80346097	Hddc3	**3.25165**	12190
chr17	24696234	24700529	Noxo1	**5.27432**	51455
chr11	77470487	77489678	Ankrd13b	**4.01152**	58336
chr19	40894790	40917947	Zfp518a	**3.29664**	97073
chr9	55220222	55283625	Nrg4	**2.59699**	19947
chr3	97689829	97888707	Pde4dip	**6.09106**	340819
chr12	111678105	111683902	Trmt61a	**4.0877**	37972
chr2	126628907	126676337	Gabpb1	**3.37707**	83086
chrX	49009707	49288242	Enox2	**3.61103**	62602
chr8	71922825	71934630	Zfp617	**4.57957**	58851
chr18	49832997	49965473	Dmxl1	**3.32868**	177184
chr8	27123832	27128632	Brf2	**3.27384**	19737
chr2	173206612	173218922	Zbp1	**7.91122**	74559
chr19	5940543	5964206	Pola2	**3.35797**	42040
chr10	80339793	80348448	Adamtsl5	**3.62742**	56229
chr16	3905798	3908689	1700037C18Rik	**4.10081**	19610
chr14	110748578	110755149	Slitrk6	**3.91504**	72395

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chr7	28385247	28392690	Med29	**3.64392**	34342
chr8	46169556	46195590	Cfap97	**4.08649**	80571
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chr1	162533672	162548345	Mettl13	**3.35397**	40791
chr17	21535539	21562601	Zfp52	**4.72117**	65116
chr17	31612623	31637205	Cbs	**4.84147**	52825
chr12	104237796	104241934	Serpina3g	**4.94018**	40335
chr14	60634729	60764556	Spata13	**2.99728**	98214
chr4	155989466	155992678	B3galt6	**4.22878**	59228
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chr6	8259288	8428765	Gm16039	**3.84165**	36373
chr7	143107254	143427042	Kcnq1	**3.45579**	43807
chr16	52031549	52208046	Cblb	**3.74385**	103175
chr7	127607035	127614433	Zfp629	**3.71486**	99040
chr12	100125450	100159653	Nrde2	**3.33382**	54134
chr9	37613847	37648318	Siae	**3.9074**	58474
chr19	38395980	38405607	Slc35g1	**3.56781**	53983
chr3	18054325	18057514	Bhlhe22	**6.20193**	86242
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chr9	106688080	106789213	Rad54l2	**2.88121**	117131
chr3	106684987	106736576	Lrif1	**4.33356**	71331
chr18	24708623	25133507	Fhod3	**3.56194**	96842
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chr19	4793672	4794009	Rbm4	**2.99581**	4414
chr2	11471431	11553929	Pfkfb3	**3.68043**	84774
chr11	70432580	70440828	Arrb2	**3.30142**	28610
chr14	118787871	118874525	Cldn10	**5.29213**	33358
chr1	38863873	38898160	Chst10	**4.61836**	62792
chr1	44106546	44118773	Kdelc1	**3.40343**	34479
chr5	142463931	142478715	Ap5z1	**3.5934**	59790
chr16	95992092	96082428	Brwd1	**3.39578**	166412
chr4	117159633	117182624	Kif2c	**3.6808**	49435
chr9	57143256	57147034	Neil1	**3.13066**	15967
chr3	90213715	90226387	Rab13	**4.13135**	29463
chr15	75969185	75975865	Zfp707	**4.65021**	36812
chr5	64160260	64351486	Tbc1d1	**3.58796**	86914
chr11	6525591	6528760	Gm11974	**4.43654**	11449
chrX	47912456	47965866	Ocrl	**3.57274**	80705
chr18	75431221	75697696	Ctif	**3.167**	75833
chr14	50824061	50870554	Tep1	**3.69919**	131631
chr9	35559466	35567400	Pus3	**4.08946**	35867
chr16	37777055	37836516	Fstl1	**6.39461**	100601
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chr10	80380355	80387651	Mex3d	**3.80014**	53970
chr2	121158273	121171125	Zscan29	**3.69496**	102021
chr19	46689906	46703382	2010012O05Rik	**3.7609**	35674
chr4	126861820	126967923	Zmym4	**3.94796**	119883
chr6	123229843	123247024	Clec4n	**2.11511**	11479
chr6	129232623	129238482	2310001H17Rik	**3.54161**	8769
chr4	149896284	149955006	Spsb1	**2.42308**	32258
chr7	80377758	80387946	Fes	**5.89263**	70947
chr3	55625198	56183701	Nbea	**3.63268**	173920
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chr11	84813061	84819515	Mrm1	**3.44475**	37195
chr11	76243736	76250622	Rnmtl1	**3.521**	22900
chr13	35978797	36117357	Lyrm4	**4.34366**	28686
chr1	33453808	33669794	Prim2	**3.69471**	31825
chr17	35655635	35667592	Vars2	**3.3616**	64828
chr4	133574745	133584242	Gpatch3	**2.80105**	24457
chr4	148140490	148145696	Mad2l2	**4.22915**	22565
chr13	23621777	23622558	Hist1h1e	**2.16378**	7376
chr6	90659598	90810123	Iqsec1	**2.6186**	77758
chr6	84571414	84593908	Cyp26b1	**3.45099**	72885
chr2	5870987	5895353	Sec61a2	**3.82499**	39500
chr8	13952008	13974777	Tdrp	**4.859**	52169
chr4	34566909	34614942	Orc3	**3.64655**	98268
chr13	63301199	63301283	Mir3074-1	**7.50282**	556
chr5	125414404	125434048	Dhx37	**2.96401**	53504
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chr1	64691345	64725642	Ccnyl1	**4.6508**	59300
chr11	76672470	76673676	Bhlha9	**3.3367**	17556
chr18	68337603	68339711	Mc5r	**1.59654**	8087
chr18	11839378	11945627	Cables1	**3.27086**	45070
chr4	155601416	155623340	Slc35e2	**3.61408**	91753
chr5	27740081	27791550	Paxip1	**3.32201**	84700
chr7	128129568	128150657	Itgax	**1.81174**	31788
chr4	65604986	65616240	Trim32	**3.14381**	43799
chr1	156558787	156649619	Abl2	**3.47316**	162210
chr5	77265494	77283697	Rest	**2.8834**	53620
chr5	31253279	31291114	Ift172	**3.16778**	74678
chr2	118754145	118762661	A430105I19Rik	**4.37728**	89987
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chr10	43221486	43464882	Pdss2	**2.96044**	26210
chr11	115614181	115628295	Slc25a19	**3.82187**	46515
chr7	43296523	43313261	Zfp715	**4.22687**	77203
chr17	33875666	33890633	Kifc1	**3.28001**	33200
chr8	70754679	70758648	Rab3a	**4.56322**	28107
chr13	68582248	68592279	Fastkd3	**3.42424**	35257
chr11	3289131	3308999	Patz1	**3.65303**	54110

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chr5	25271794	25498783	Kmt2c	**3.1704**	232456
chr10	115369966	115384435	Thap2	**3.47921**	51687
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chr2	3341988	3366569	Olah	**2.17765**	14315
chr14	62676325	62761112	Ints6	**3.6049**	77927
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chr14	122890860	122913165	Ggact	**4.00211**	18824
chr13	67515782	67526231	Zfp87	**3.64352**	43026
chr5	113735782	113740607	Ficd	**2.7606**	38039
chr4	134244320	134245873	E130218I03Rik	**3.26235**	9457
chr14	78492246	78536860	Akap11	**3.2783**	134560
chr1	9548046	9577968	Adhfe1	**2.96583**	39949
chr10	77032739	77050432	Slc19a1	**3.07006**	31985
chr1	63047801	63114267	Ino80d	**3.2162**	189675
chr13	107724617	107890064	Zswim6	**3.5875**	85339
chr18	32528320	32560034	Gypc	**3.95525**	37621
chr9	103112074	103185270	Rab6b	**1.79326**	37006
chr7	143501548	143502524	Phlda2	**4.55071**	14620
chr5	31624439	31697610	Rbks	**3.68096**	16447
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chr10	127739538	127747339	Zbtb39	**2.89657**	75128
chr1	193272160	193273188	G0s2	**3.2111**	11800
chr17	23726336	23735720	Pkmyt1	**3.06265**	23043
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chr18	61726390	61728253	1500015A07Rik	**3.61186**	29348
chr12	55302796	55382491	1110008L16Rik	**3.44815**	43169
chr18	24484962	24530204	Rprd1a	**3.30688**	61942
chr10	41188172	41303241	Fig4	**4.19892**	59725
chr2	113831492	113848661	Arhgap11a	**3.70218**	80966
chr5	135369953	135376139	Nsun5	**4.00137**	27629
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chr9	53384023	53401867	Kdelc2	**3.42559**	53190
chr12	87428078	87440414	Alkbh1	**3.67818**	28059
chr14	16238659	16249808	Oxsm	**3.45322**	56163
chr7	99920254	99980458	Rnf169	**4.61386**	143945
chr13	55325273	55329730	Mxd3	**4.3308**	22541
chr11	102604431	102608058	Fzd2	**3.08265**	48752
chr4	150187016	150201135	Car6	**5.09211**	30388
chr2	173021902	173034731	Rbm38	**4.05645**	31369

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chr11	59461197	59472474	Zfp867	**3.72094**	55343
chr5	108441054	108448891	Mfsd7a	**3.12721**	34189
chr4	116551528	116555943	Tmem69	**4.45036**	46734
chr4	126489543	126533458	Ago4	**2.6422**	75107
chr16	97947435	97962621	Zbtb21	**3.42065**	80669
chr19	4154646	4156710	Ptprcap	**2.9657**	10937
chr11	115584255	115603916	Gga3	**3.38464**	54310
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chr3	90590247	90591508	S100a2	**9.04648**	12422
chr15	75882934	75888723	Mroh6	**2.34927**	34532
chr6	85334962	85374634	Rab11fip5	**2.81738**	74204
chr7	28741968	28753879	Sars2	**3.51635**	29277
chr15	25363277	25413764	Basp1	**3.27681**	26497
chr6	49822729	49829505	Npy	**2.07894**	4939
chr5	120116513	120198971	Rbm19	**3.1879**	50222
chr17	23556767	23564226	Zfp213	**3.47931**	40556
chr1	57377620	57385422	1700066M21Rik	**3.89008**	50991
chr9	53911460	53975301	Elmod1	**2.61986**	29750
chr14	105106728	105114518	Gm17066	**4.26087**	65621
chr3	108074062	108086666	Ampd2	**2.86068**	47586
chr8	104926260	104934672	Ces2e	**3.13231**	27404
chrX	134588169	134601005	Gla	**3.22927**	42681
chr5	72513304	72559645	Nfxl1	**3.75733**	60110
chr17	23749236	23754065	9530082P21Rik	**3.88744**	53583
chr6	52768068	53068624	Jazf1	**3.06332**	41369
chr11	101418814	101425084	Ptges3l	**2.71441**	14341
chr17	25717172	25719029	Gng13	**2.91025**	4326
chr11	102393403	102402939	Rundc3a	**3.55401**	47190
chr9	86467154	86555806	Dopey1	**3.11393**	105009
chr4	126716003	126736269	Tfap2e	**2.95287**	27250
chr17	6430112	6436295	Dynlt1b	**3.71067**	12455
chr2	168476410	168601657	Nfatc2	**2.99337**	102444
chr3	63914696	63929385	E130311K13Rik	**3.57592**	24021
chr14	43818765	43819639	Ear1	**2.44525**	7600
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chr7	97081751	97308951	Gab2	**2.34076**	61304
chr2	38339281	38369737	Lhx2	**3.63864**	44729
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chr6	22306522	22356081	Fam3c	**3.86191**	46110
chr2	112492964	112631253	Aven	**3.47045**	23010
chr5	76913249	76951410	Ppat	**4.00547**	67048
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chr15	76538943	76542130	Slc52a2	**3.47154**	40859
chr2	25054379	25062881	Nsmf	**3.79791**	48657
chr4	156203284	156206028	AW011738	**2.95658**	35378

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chr9	65435782	65453054	Mtfmt	**3.82458**	34044
chr17	80238304	80290476	Dhx57	**2.802**	60473
chr15	76101488	76120195	Eppk1	**2.4592**	127343
chr1	164307672	164437098	Nme7	**3.91957**	48097
chr14	8431172	8666290	4930452B06Rik	**4.55445**	54617
chr8	70220193	70234225	Armc6	**3.07785**	26847
chr14	27483808	27508460	Ccdc66	**2.83094**	33924
chr19	55741810	55933655	Tcf7l2	**3.53279**	70116
chr2	122630625	122632704	Spata5l1	**3.32191**	19129
chr18	82910879	83005314	Zfp516	**2.93789**	100110
chr19	3851773	3894369	Chka	**3.69666**	43299
chr17	78835516	78848308	Gpatch11	**3.92368**	71956
chr13	96388294	96415587	Poc5	**3.61538**	47800
chr11	116671660	116675798	1810032O08Rik	**3.60094**	30154
chr3	79455971	79567679	Fnip2	**3.05634**	94527
chr10	13966379	14151378	Hivep2	**3.61126**	153768
chr17	46650338	46664364	Cul7	**2.79918**	67465
chr11	73019008	73042065	Camkk1	**3.09684**	46587
chr18	69344492	69687967	Tcf4	**3.73857**	125177
chr5	137111286	137116207	Trim56	**2.56727**	40702
chr19	6341160	6355619	Map4k2	**3.18504**	64533
chr14	50807447	50807771	Rpph1	**4.16454**	5900
chr2	31974450	32053975	Nup214	**3.21735**	114934
chr7	78827474	78847211	Det1	**4.1754**	40352
chr5	114130435	114139321	Ung	**3.46609**	31684
chr11	117076783	117078955	2810008D09Rik	**4.97995**	13025
chr6	122453609	122486305	Rimklb	**2.51184**	43984
chr4	115828092	115836183	Mob3c	**4.02641**	50584
chr11	80183872	80199753	Rnf135	**3.60862**	30816
chr5	112343095	112378424	Hps4	**3.03503**	37653
chr4	99715630	99763460	Alg6	**3.82139**	51873
chr15	79516408	79527695	Kdelr3	**4.74529**	28339
chr6	100228565	100287358	Rybp	**3.53577**	67447
chr4	43058984	43264887	Unc13b	**3.21322**	89518
chr17	35865595	35875596	Ppp1r18	**4.26136**	62898
chr11	24078056	24173558	Bcl11a	**3.37674**	103288
chr2	31151049	31152291	D330023K18Rik	**3.23404**	7218
chr5	34761740	34912534	Htt	**2.75244**	158605
chr5	73632749	73647731	Sgcb	**5.22641**	84911
chr10	95174746	95324097	Cradd	**4.9291**	35453
chr3	116007449	116029016	Extl2	**3.87242**	54912
chr10	33926936	33951212	Zufsp	**3.48461**	35909
chr3	145118589	145153915	Odf2l	**3.34765**	37708
chr17	17527723	17624489	Lnpep	**2.45011**	55335
chr4	40682078	40703194	Aptx	**3.65295**	91434

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chr5	100210692	100218049	2310034O05Rik	**2.07582**	10017
chr15	8109313	8159859	Nup155	**3.00731**	83952
chr11	121616208	121673151	B3gntl1	**3.87883**	44097
chr7	5020376	5033223	Zfp865	**3.19052**	42141
chr3	51687613	52105006	Maml3	**2.61062**	74107
chr12	100549778	100725028	Rps6ka5	**3.66456**	70383
chr14	64822218	64949847	Hmbox1	**2.15346**	27514
chr19	41829970	41832583	Frat1	**3.00997**	34298
chr11	83441876	83462961	Mmp28	**3.75869**	37865
chr11	95337018	95381872	Fam117a	**3.33976**	33732
chr12	110975353	110979021	Ankrd9	**3.58543**	39980
chr2	29346810	29524790	Med27	**3.14858**	33901
chr13	33661405	33671585	Serpinb6d	**3.43557**	21970
chr8	14911663	15001085	Arhgef10	**3.49275**	84166
chr11	51813456	51857481	Jade2	**3.29972**	87742
chr10	76032612	76042969	Zfp280b	**2.79435**	59370
chr19	38788128	38819237	Noc3l	**3.20691**	55596
chr6	86849517	87003227	Aak1	**2.90392**	244881
chr2	160946978	161109056	Chd6	**3.47168**	159644
chr17	28801126	28838789	Brpf3	**2.9469**	76729
chr7	4548614	4604041	Ptprh	**3.00158**	52599
chr1	152370736	152386682	Tsen15	**3.25825**	16078
chr8	71708387	71725681	Fcho1	**4.11539**	56689
chr14	30951488	30987401	Nek4	**2.75748**	32623
chr4	108328152	108340718	Coa7	**3.32491**	41684
chr3	95218544	95228423	Mllt11	**4.44363**	41627
chr9	20965952	20976793	S1pr2	**3.21066**	39398
chr17	56999457	57000018	Pspn	**2.15658**	4456
chr2	181381235	181383628	Lime1	**3.70487**	31638
chr14	101442360	101609191	Tbc1d4	**2.69107**	77904
chr9	66350450	66508458	Herc1	**2.61544**	170013
chr18	32067734	32104331	Iws1	**3.2832**	137724
chr10	85102627	85117747	Tmem263	**3.22348**	53087
chr11	80360492	80378015	5730455P16Rik	**3.47604**	68732
chr8	123897123	123949265	Nup133	**3.14813**	79704
chr17	33908182	33909178	BC051226	**3.99898**	14643
chr6	149141513	149151170	Mettl20	**3.07698**	22668
chr4	116708930	116715104	Ccdc163	**4.24943**	22488
chr16	18780447	18811972	Cdc45	**3.21319**	29036
chr12	81492194	81532907	Synj2bp	**3.88716**	176191
chr4	3938888	3951382	Chchd7	**3.02376**	40413
chr13	32965513	32979037	Serpinb6b	**4.52463**	36666
chr12	3235791	3250374	Rab10os	**3.80293**	17539
chr7	35392288	35396767	C230052I12Rik	**4.37532**	31508
chr16	22813215	22857569	Tbccd1	**3.42873**	40385
chr3	104453983	104511856	Lrig2	**3.14329**	97449

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chr3	146220961	146286214	Lpar3	**3.36654**	36600
chr7	67647410	67726576	Ttc23	**3.428**	35221
chr14	21845880	21848910	Comtd1	**3.41214**	33050
chr3	146450467	146465848	Ctbs	**3.31695**	39401
chrX	53669177	53670408	Cxx1b	**2.61411**	14039
chr6	48554799	48570722	Lrrc61	**3.1851**	34683
chr5	122643911	122691432	P2rx7	**4.24037**	101923
chr16	18429811	18479073	Txnrd2	**3.54168**	27203
chr7	16197221	16222032	Dhx34	**3.44584**	61751
chr1	87853287	87944489	Dgkd	**2.87946**	71471
chr18	12252357	12305720	Ankrd29	**3.99546**	56709
chr10	100572274	100589259	4930430F08Rik	**2.70634**	19383
chr17	3064318	3084183	Pisd-ps2	**3.73378**	24170
chr2	84765360	84775429	Serping1	**9.76991**	77511
chr7	96951527	97064757	Nars2	**3.46737**	56756
chr3	27416162	27710439	Fndc3b	**3.04373**	91218
chr7	121642021	121707253	Usp31	**2.91511**	129590
chr8	14027565	14090327	Erich1	**3.78856**	26077
chr2	154335386	154372719	Cdk5rap1	**2.99609**	25729
chr7	142296377	142297069	Krtap5-1	**2.77998**	8398
chr7	65644898	65692093	Tarsl2	**3.66369**	51010
chr16	18581704	18590671	Tbx1	**3.89396**	33083
chr4	34803110	34882948	Zfp292	**3.36119**	146182
chr11	101582242	101591785	Tmem106a	**3.30884**	33189
chr13	23418361	23423866	Abt1	**3.49252**	67840
chrX	71210767	71315295	Mtm1	**3.0656**	51743
chr8	25980604	25994121	Pomk	**2.75048**	43175
chr3	129914960	129970206	Ccdc109b	**3.36672**	19343
chr1	66719806	66817595	Kansl1l	**3.83975**	68492
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chrY	897788	943811	Kdm5d	**3.44863**	82246
chr10	25169090	25299163	Akap7	**3.19901**	43550
chr17	32685659	32703349	Cyp4f15	**3.66507**	34078
chr12	110850279	110869998	Zfp839	**2.89282**	46973
chr18	75367365	75395934	Smad7	**3.42374**	66280
chr8	71951066	71970333	Zfp961	**3.51025**	41590
chr19	5453163	5457563	Ccdc85b	**3.35171**	47426
chr10	81357570	81364023	Mfsd12	**2.60813**	19214
chr5	104459457	104505819	Pkd2	**3.5035**	79599
chr2	155059312	155074497	Ahcy	**3.37252**	37356
chr13	45507469	45546381	Gmpr	**4.69242**	31787
chr11	97050820	97068904	Osbpl7	**3.06712**	47263
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chr2	44564412	44861622	Gtdc1	**3.65533**	40855
chr13	62453016	62466812	Zfp935	**3.19169**	34393
chr3	79062529	79145875	Rapgef2	**4.08122**	116404

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chr2	24002913	24049379	Hnmt	**6.12035**	43701
chr9	106432981	106438236	Acy1	**3.47357**	21895
chr9	51270258	51278554	Gm684	**3.69315**	20333
chrX	8154472	8176181	Tbc1d25	**3.31733**	38292
chr17	21008941	21028856	Zfp160	**3.47495**	57486
chr10	60346851	60372684	4632428N05Rik	**3.36634**	71112
chr17	46798116	46831413	Gltscr1l	**2.81054**	80603
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chr12	104763114	104865076	Clmn	**4.04692**	212452
chr11	69942286	69948190	Slc2a4	**4.18754**	51513
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chr13	64432553	64439721	Cdk20	**2.76426**	22015
chr10	30603195	30606634	Gm20300	**4.02742**	60393
chr3	96577872	96594181	Polr3gl	**4.15545**	25849
chr4	56749680	56802328	Ikbkap	**3.46373**	92964
chr8	88647347	88688474	Nod2	**4.52595**	91169
chr2	119972699	120027403	Mapkbp1	**2.81368**	85084
chr3	132982551	133091740	Gstcd	**2.69362**	30752
chr11	78193392	78205763	Proca1	**2.93463**	19355
chrX	160502166	160598878	Phka2	**2.58738**	59236
chr8	123805996	123835291	Rab4a	**3.81163**	23461
chr19	40659794	40741602	Entpd1	**2.34891**	42974
chr1	52630705	52651919	Tmem194b	**3.73831**	55308
chr11	101260567	101277409	Wnk4	**3.38596**	61224
chrX	74026592	74085690	Mecp2	**3.04144**	139992
chr11	68901566	68901588	Rpl26	**4.24894**	426
chr2	120033433	120033506	Pla2g4b	**1.70812**	551
chr11	115187487	115247025	Tmem104	**2.67612**	53265
chr5	96210115	96266727	Mrpl1	**3.51882**	64240
chr11	101971144	101984791	Dusp3	**3.84232**	70397
chr11	105589986	105929303	Tanc2	**2.61688**	135280
chr11	94936270	94951856	Col1a1	**6.94639**	142257
chr9	8994953	9239013	Arhgap42	**3.61717**	85209
chr3	103914120	103964535	Rsbn1	**2.77201**	56092
chr13	9276525	9668926	Dip2c	**3.12947**	109462
chr2	75935850	75938462	Ttc30b	**2.89717**	33000
chr8	92827328	92853420	Mmp2	**4.16953**	55272
chr2	178411206	178414463	Ppp1r3d	**3.75916**	53388
chr11	78094673	78157339	Fam222b	**2.98738**	50579
chr3	88616207	88648052	Arhgef2	**3.75185**	79223
chr6	48395586	48419855	Krba1	**2.94107**	89808
chr6	87980421	87981482	H1fx	**2.56901**	11893
chr7	116331507	116334190	Rps13	**3.81747**	9685

chr11	119491347	119511465	Endov	**3.25855**	74957
chr19	5482840	5488336	Mus81	**3.03611**	26377
chr2	28641233	28691172	Tsc1	**2.778**	93075
chr15	6708381	6800400	Rictor	**3.27778**	133067
chr17	57043711	57059863	Slc25a23	**2.62292**	38440
chr2	132690283	132751055	1110034G24Rik	**3.32502**	21321
chr11	75410029	75422623	Serpinf1	**6.809**	44344
chr16	65815633	65863066	Vgll3	**3.92354**	56971
chr5	113817798	113830501	Selplg	**2.49207**	28288
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chr8	105844678	105852008	Cenpt	**3.49479**	26919
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chr8	104250861	104264936	Cklf	**3.76239**	37033
chr16	44240180	44332838	Sidt1	**4.09714**	76173
chr15	10981756	10996624	Amacr	**2.98224**	33475
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chr7	43933771	43939590	Klk15	**2.03044**	6771
chr5	5537457	5559501	Gtpbp10	**3.70119**	47305
chr14	33216823	33369936	Arhgap22	**3.5734**	40469
chr7	81966662	81992299	Bnc1	**3.08432**	62694
chr12	98920574	98983238	Ttc8	**2.97588**	29940
chr4	45297168	45316131	Trmt10b	**3.58767**	31638
chr17	24897530	24936977	Mapk8ip3	**3.01711**	73454
chr15	27730649	28025848	Trio	**2.52666**	126629
chr17	25016086	25099497	Ift140	**2.92255**	73942
chr7	64153835	64269759	Trpm1	**2.15118**	54951
chr2	18206333	18392830	Dnajc1	**2.90033**	99045
chr15	82233776	82244747	Cenpm	**2.99398**	17332
chrX	163935443	163958666	Zrsr2	**3.30924**	86495
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chr11	70970200	70977845	Rpain	**3.19043**	15646
chr12	116047724	116063207	Zfp386	**3.74484**	74145
chr8	36993575	36995533	AI429214	**2.28501**	19513
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chr15	89426349	89426487	Chkb	**3.08291**	1868
chr19	6922426	6925380	Tex40	**4.00647**	13640
chr7	27731409	27751689	Zfp60	**3.24329**	54615
chr9	44149262	44234046	Cbl	**1.75949**	38986
chr6	113415319	113419340	Rpusd3	**2.85479**	15792
chr18	60474191	60501983	Smim3	**3.82338**	33100
chr2	126152141	126165277	Dtwd1	**3.8293**	22418
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chr8	124023473	124048504	Urb2	**2.83056**	71232
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chr10	84371319	84440471	Nuak1	**2.60471**	56976
chr5	110429875	110431955	LOC101056043	**3.06447**	27799
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chr3	34057280	34081354	Dnajc19	**3.76718**	44552
chr4	32804035	32950826	Ankrd6	**3.55377**	74622
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chr10	41450358	41465582	Zbtb24	**3.46975**	43757
chr16	43861413	43889676	Qtrtd1	**3.2335**	39791
chr15	98831669	98871205	Kmt2d	**2.53266**	218895
chr17	40875482	40880558	9130008F23Rik	**5.87862**	55326
chr1	171358449	171360798	Klhdc9	**3.30016**	22370
chr2	133552159	133562896	Bmp2	**3.9187**	60915
chr6	115544704	115578336	Tsen2	**3.35906**	25976
chr19	45076139	45079289	Kazald1	**3.20532**	19282
chr14	34041078	34046981	Gm5460	**1.51746**	12588
chr2	119897228	119969581	Mga	**2.8695**	174257
chr10	117733678	117746358	Slc35e3	**2.23119**	33876
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chr11	100859351	100885169	Stat5a	**2.27196**	38506
chr1	91415982	91459328	Per2	**2.51836**	64078
chr8	36489191	36513013	6430573F11Rik	**2.49201**	19825
chr4	44991243	45012412	Zbtb5	**3.07686**	75177
chr17	71496100	71526857	Ndc80	**3.66315**	35146
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chr15	55112317	55259273	Deptor	**3.06738**	112585
chr3	103643953	103646068	Atg4a	**2.63124**	18501
chr12	102753275	102754166	AK010878	**3.61207**	14045
chrX	166390033	166440704	Ofd1	**3.34017**	64837
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chr4	56802332	56809605	Fam206a	**2.89883**	54286
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chr11	52126746	52126836	Mir3061	**2.21336**	878
chr15	9071260	9110496	Nadk2	**3.61741**	64116
chr8	25518759	25575718	Fgfr1	**3.84306**	82087
chr5	108647771	108660769	Dgkq	**3.01736**	49482

chr19	56722372	56724862	Adrb1	**3.96956**	43104
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chr12	108825878	108835876	Slc25a29	**3.82918**	32783
chr11	30954398	31102704	Asb3	**3.36322**	47281
chr10	9627259	9675208	Samd5	**1.90905**	20763
chr16	50191844	50432389	Bbx	**3.0993**	118107
chr10	88746607	88826814	Utp20	**2.87012**	110487
chr10	127824216	127846565	Rdh18-ps	**4.77055**	75862
chr15	89099098	89123150	Tubgcp6	**2.44522**	65063
chr4	156013695	156016589	Tnfrsf4	**2.28688**	11514
chr17	84626499	84655564	Dync2li1	**3.20715**	18552
chr8	106168875	106198704	Slc7a6	**2.77977**	45198
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chr5	64970075	65041901	Fam114a1	**3.84555**	49435
chr7	126928879	126945609	Kctd13	**2.85616**	20593
chr5	30933143	30945480	Cgref1	**5.98006**	34540
chr4	21776270	21837872	Usp45	**3.82252**	100094
chr7	135537824	135686294	Ptpre	**3.56539**	82062
chr3	145646971	145649985	Cyr61	**3.69861**	32697
chr11	115091431	115162240	Rab37	**4.0954**	50094
chrX	111387837	111537959	Rps6ka6	**2.70551**	55230
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chr6	38626660	38637239	Klrg2	**3.4327**	34147
chr8	117158135	117205186	Gan	**2.28927**	26465
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chr13	35181623	35188014	1700011B04Rik	**3.87578**	10948
chr1	91932749	92148393	Hdac4	**2.41423**	41517
chr4	88094630	88411011	Focad	**3.12425**	78936
chr18	32163089	32236751	Map3k2	**3.18641**	149887
chr1	157135183	157412351	Rasal2	**2.75417**	117681
chr1	36471597	36508776	Cnnm4	**3.33941**	66700
chr8	31111846	31131473	Rnf122	**3.4598**	53495
chr9	75071206	75223687	Myo5a	**2.88691**	147024
chr3	89401896	89402650	Lenep	**2.31944**	6754
chr17	24223232	24251409	Ccnf	**3.12963**	42169
chr18	44104523	44108543	Spink12	**2.60325**	10111
chr4	147753974	147809788	Gm13157	**3.48055**	41405
chr1	90203980	90215722	Ackr3	**2.90775**	29394
chr15	64086840	64382919	Asap1	**2.49936**	68432
chr6	86848407	86849440	2610306M01Rik	**3.41664**	15400
chr8	71488103	71493400	Gtpbp3	**2.81068**	34306
chr19	47132232	47138294	Calhm2	**2.74836**	24548
chr7	143458339	143461050	Cdkn1c	**2.51885**	20906
chr6	34354164	34368454	Akr1b8	**3.88402**	22078
chr4	135686457	135708180	Ifnlr1	**2.98498**	52191

chr4	119169518	119174195	Zfp691	**2.02294**	21111
chr1	4909576	5070285	Rgs20	**2.9669**	32501
chr5	107597373	107661853	Rpap2	**3.31598**	51676
chr11	95509846	95514565	Nxph3	**1.63311**	14900
chr14	57424071	57517936	Ift88	**3.25575**	43698
chr7	98590606	98656569	2210018M11Rik	**2.86776**	50179
chr13	49653078	49679016	Nol8	**3.43304**	69528
chr12	112146208	112181747	Kif26a	**2.83981**	85639
chr4	124937048	124944661	9930104L06Rik	**3.34591**	42910
chr5	121621029	121660510	Acad10	**2.72496**	43012
chr6	147091075	147112778	Klhl42	**3.04707**	87280
chr15	34675073	34679204	4930413F20Rik	**1.80296**	7600
chr6	100573082	100671157	Shq1	**3.42536**	29714
chr5	107548967	107597888	Glmn	**3.70484**	27358
chr8	13176869	13200624	Grtp1	**4.43325**	25316
chr19	5707374	5726317	Ehbp1l1	**4.39302**	123363
chr1	39194272	39363240	Npas2	**4.49904**	81978
chr18	53245662	53390825	Snx24	**3.93593**	32290
chr4	32615473	32653265	Casp8ap2	**3.14751**	89965
chr4	53714182	53763271	Fktn	**1.86195**	27450
chr8	87472812	87525554	Gm2694	**3.05822**	10625
chr11	113684412	113694647	D11Wsu47e	**3.3464**	32034
chr7	141328130	141337155	Tmem80	**3.20718**	25151
chr2	31470270	31470307	Ass1	**2.87961**	477
chr9	14748459	14752122	Fut4	**3.70701**	59208
chr7	89918685	89941204	l7Rn6	**3.89959**	60380
chr11	61488812	61494266	Mapk7	**3.34264**	49119
chr11	121204433	121222588	Hexdc	**3.40137**	31893
chr12	13269127	13583811	Nbas	**2.68823**	84841
chr14	17660960	18038088	Thrb	**2.81306**	80381
chr19	4099998	4113755	Pitpnm1	**2.73603**	53885
chr6	145115636	145174871	Lrmp	**3.31172**	34546
chr6	128362994	128375886	Foxm1	**2.91194**	54265
chr7	109727465	109731732	Ascl3	**1.61784**	4979
chr11	60105013	60199088	Rai1	**2.51884**	81252
chr3	95499210	95509387	Ctsk	**4.70921**	32496
chr19	4756525	4765941	Rbm4b	**3.4873**	27819
chr1	58658120	58695989	Als2cr12	**3.55458**	24420
chr16	10783809	10785536	Socs1	**2.59701**	13800
chr13	76001535	76018712	Rfesd	**3.19569**	40482
chr19	3958808	3970438	1700055N04Rik	**1.3833**	12054
chr19	16615366	16780933	Vps13a	**2.49105**	121228
chr19	46003478	46006173	Hps6	**3.49703**	41098
chr3	92967061	92968281	Lce3e	**6.46145**	17097
chr5	90931196	91021370	Mthfd2l	**3.68945**	36106
chr9	99243468	99300403	Cep70	**3.72337**	41859
chr16	91679265	91688728	Donson	**3.70274**	37495

chr7	127418966	127422034	Zfp688	**2.87092**	12715
chr8	13884788	13890271	Coprs	**2.58579**	9040
chr19	24261453	24280586	Fxn	**3.44293**	16434
chr13	3566262	3611108	Fam208b	**2.95622**	104523
chr4	97581943	98118876	Nfia	**3.63057**	152612
chr19	34192270	34240328	Stambpl1	**3.07989**	26556
chr16	31878810	31899019	Mfi2	**3.49795**	63005
chr3	108186289	108192286	Amigo1	**2.77464**	67563
chr15	101552356	101562950	4732456N10Rik	**3.93977**	43519
chr9	21766773	21798546	Kank2	**3.41878**	72324
chr2	180657963	180709999	Dido1	**2.8477**	184664
chr17	22337989	22361400	Zfp944	**3.64218**	44201
chrX	143518591	143797796	Pak3	**1.96585**	77022
chr1	193173469	193177832	A130010J15Rik	**3.90326**	60709
chr6	48676135	48678704	Gimap9	**3.07596**	18544
chr9	121489824	121495694	Cck	**1.24748**	4644
chr3	30899295	30969415	Phc3	**2.72045**	131230
chr3	33800183	33814860	Ttc14	**3.58616**	126233
chr1	93825240	93852174	D2hgdh	**2.98921**	39847
chr14	104477534	104522666	Rnf219	**3.02664**	45597
chr16	85793828	85803115	Adamts1	**3.49364**	74395
chr15	80711313	80941086	Tnrc6b	**2.77082**	210720
chr7	127372537	127376050	Zfp747	**3.32703**	38926
chr2	158794807	158858220	Dhx35	**2.89803**	41815
chr2	69647255	69667569	Bbs5	**2.60734**	16128
chr5	143235163	143248834	Zfp12	**4.0006**	93230
chr17	21488988	21510477	Zfp53	**3.01539**	40472
chr3	121459528	121532344	Slc44a3	**2.68428**	29955
chr1	163384909	163403641	Gorab	**3.43885**	37611
chr5	41787540	41844315	Bod1l	**2.51163**	115376
chr16	34784950	35002434	Mylk	**4.00221**	130428
chr14	25711640	25768856	Zcchc24	**3.58304**	68333
chr14	75761999	75787037	Slc25a30	**2.25826**	16794
chr6	4003987	4008446	Gng11	**3.55451**	12969
chr8	4613170	4630231	Zfp958	**3.6273**	37332
chr9	35452076	35507652	Cdon	**2.61635**	82276
chr8	83900098	83941954	Lphn1	**2.21171**	78942
chr10	79777274	79781473	Fstl3	**2.75111**	9546
chr12	29938036	30017658	Pxdn	**2.18328**	62947
chr4	103171718	103214884	Slc35d1	**3.53136**	44534
chr8	71456700	71463657	Abhd8	**2.90041**	25097
chrX	56454839	56507843	Ddx26b	**3.50538**	58188
chr7	128004378	128011393	Trim72	**3.73754**	40275
chr3	82358072	82395268	Map9	**2.22316**	60259
chr7	119853163	119895745	Dcun1d3	**2.94159**	74693
chr2	52072837	52122381	Rif1	**3.02028**	111936
chr13	119623819	119654358	Ccl28	**9.39503**	153128

chr5	150673827	150810669	Pds5b	**2.9274**	93257
chr3	60006743	60025420	Aadacl2	**1.83277**	12703
chr5	21372673	21378386	Fgl2	**3.85554**	63345
chr5	45669925	45696544	Ncapg	**3.59954**	45943
chr13	74350317	74365783	Ccdc127	**3.25104**	57268
chr4	11051046	11076205	Ndufaf6	**3.05687**	14418
chr1	191325965	191351980	Tmem206	**2.66562**	37869
chr5	124328089	124341852	2810006K23Rik	**2.90627**	21461
chr17	21926963	21962464	Zfp942	**3.48097**	49695
chr1	54645340	54926387	Ankrd44	**3.54547**	94895
chr3	106758861	106790149	Cd53	**2.39301**	29229
chrX	153036166	153037563	Mageh1	**1.98488**	12096
chr15	85859707	85876573	Gtse1	**3.15115**	38187
chr13	41606216	41641357	Tmem170b	**2.97824**	93085
chr9	45370185	45396159	Fxyd6	**3.52937**	27570
chr8	82331624	82402586	Il15	**2.84638**	15944
chr4	117888643	117892003	Dph2	**3.00158**	33051
chr14	24448694	24487046	Polr3a	**2.79085**	56972
chr14	9550094	11162032	Fhit	**2.72518**	11725
chr2	101560781	101628986	B230118H07Rik	**3.05958**	30262
chr16	16896469	16927375	Ppm1f	**3.14821**	67698
chr2	181319724	181356616	Rtel1	**2.45211**	47449
chr11	115268025	115276969	Fdxr	**3.34675**	27223
chr12	99884515	99955216	Tdp1	**2.6268**	23531
chr9	73017391	73039699	Pigb	**2.32197**	16124
chr5	3803165	3844515	Krit1	**3.12598**	87401
chr8	69761324	69774911	Zfp866	**3.21693**	80829
chr1	74435561	74544286	Usp37	**2.72728**	84944
chr7	30653708	30664994	Haus5	**2.83289**	27106
chr19	5878466	5885768	Slc25a45	**3.97269**	31743
chr19	4214392	4222615	Clcf1	**1.83298**	6536
chr9	67840396	67995634	Vps13c	**2.37997**	119547
chr5	32789207	32854230	Prr14l	**2.47451**	113757
chr1	176814660	177020432	Sdccag8	**3.00401**	36286
chr8	84257767	84270402	Ccdc130	**3.06738**	29002
chr2	33729956	33887946	Mvb12b	**2.87403**	62579
chr13	77043088	77135468	Ankrd32	**3.83162**	62501
chr10	121263820	121311189	Tbc1d30	**2.93031**	72746
chrX	139684996	139754218	Tbc1d8b	**3.3257**	85635
chr19	56529161	56548222	Dclre1a	**3.12132**	55432
chr2	71055744	71099142	Dcaf17	**2.67391**	24291
chr17	46725664	46729165	Gnmt	**3.75291**	16883
chr7	29816072	29832042	Zfp790	**2.87902**	56789
chr7	4915217	4922003	Zfp628	**2.87847**	44218
chr14	20262756	20269162	Kcnk16	**1.74075**	6670
chr2	11777753	11790323	Ankrd16	**3.26115**	33464
chr15	82127922	82142202	Ccdc134	**2.74734**	24491

chr14	70303467	70351424	Slc39a14	**3.07139**	69728
chr4	145212368	145246870	Tnfrsf1b	**2.60958**	55888
chr12	16535669	16589770	Lpin1	**3.43435**	85708
chr17	22424268	22456689	Zfp946	**3.52849**	44867
chr5	138622859	138648905	A430033K04Rik	**2.5116**	34400
chr12	84451508	84531533	Lin52	**3.33405**	31160
chr11	82871961	82890624	Rad51d	**2.68165**	90069
chr9	27030175	27095315	Ncapd3	**2.6753**	64176
chr10	8204753	8518825	Ust	**2.34779**	43844
chr1	171503478	171504750	Alyref2	**2.97106**	16487
chr14	69784990	69805545	Rhobtb2	**2.86931**	65428
chr7	128234451	128237356	9130023H24Rik	**2.7061**	34280
chr9	48985385	49042517	Usp28	**2.81073**	51705
chr4	132310307	132310368	Snora61	**6.29008**	1700
chr14	32159887	32179855	Ncoa4	**2.32552**	42455
chr2	69686824	69712606	Fastkd1	**2.97557**	37045
chr1	171518124	171535294	Itln1	**5.63034**	27955
chr10	94673493	94688613	Cep83os	**2.83638**	51126
chr17	7363712	7385305	Gm9992	**1.82917**	12702
chr10	75573593	75586182	Ggt1	**3.34154**	29453
chr17	24632682	24638838	Nthl1	**2.72904**	12848
chrX	57231485	57338729	Arhgef6	**3.13417**	62423
chr2	32963301	32963418	Snora65	**5.30154**	2727
chr16	87433331	87440592	Rwdd2b	**2.74008**	25131
chr8	123254195	123270551	Zfp276	**2.9452**	52638
chr9	56089976	56128890	Pstpip1	**2.87367**	23187
chr8	70382358	70439573	Crtc1	**2.46109**	60872
chr7	45699967	45704661	Car11	**2.28797**	14362
chr19	46573365	46596900	Sfxn2	**3.06544**	42921
chr13	29906575	29986063	E2f3	**2.40426**	56186
chr8	69822565	69831102	Lpar2	**2.46601**	61284
chr13	68560780	68582121	Mtrr	**2.77539**	44667
chr3	131110297	131224357	Lef1	**2.6554**	42678
chr17	94727080	94749892	Mettl4	**2.43423**	22814
chr1	166393621	166409828	Pogk	**2.47612**	79453
chr10	34297421	34301320	Tspyl4	**1.75093**	29767
chr10	38965515	39110188	Lama4	**2.057**	54213
chr5	74204816	74531742	Scfd2	**2.47283**	65194
chr7	28277706	28280129	Eid2b	**2.68952**	28419
chr14	30714849	30822721	Sfmbt1	**2.74826**	97302
chr1	182565007	182632352	Capn8	**2.72169**	43957
chr13	76060422	76098660	Arsk	**3.173**	50582
chr17	21423227	21435384	Zfp54	**4.05697**	44849
chr17	79706953	79715041	Cyp1b1	**2.11276**	47228
chr14	37077849	37098311	Cdhr1	**2.33752**	43856
chr12	116405402	116463531	Ncapg2	**2.81995**	81180
chrX	150397773	150459150	Tmem29	**3.37596**	40514

chr13	13590409	13777440	Lyst	**1.70851**	87927
chr19	8927382	8929356	Rom1	**2.95924**	19685
chr3	40799951	40816883	Plk4	**2.76726**	42787
chr14	7965190	7994182	Dnase1l3	**2.42327**	39074
chr2	62330073	62412231	Dpp4	**1.77916**	48868
chr4	33170406	33189737	Pm20d2	**2.86789**	69671
chr1	133363572	133380319	Etnk2	**2.40813**	23934
chr2	150909594	150931280	Gins1	**2.96818**	14996
chr6	103510876	103733035	Chl1	**2.73759**	92497
chr13	55105309	55135071	Zfp346	**2.68817**	42150
chr15	99317223	99370466	Fmnl3	**2.52676**	48563
chr4	4133536	4138445	Penk	**3.62284**	22299
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chr17	55864892	55878953	Zfp119a	**3.49095**	31059
chr5	114707779	114722327	Tchp	**2.48104**	30964
chr13	12565883	12609528	Ero1lb	**2.63123**	48621
chr2	115581716	115778768	BC052040	**2.52807**	30526
chr13	73912462	73937767	Trip13	**2.93974**	29051
chr9	113741473	113919697	Clasp2	**2.93181**	100401
chr4	88412930	88438926	Ptplad2	**2.96752**	27023
chr1	183388885	183410206	Taf1a	**3.30148**	35720
chr11	8993142	9011137	Hus1	**2.87587**	57429
chr17	57066055	57078510	Dennd1c	**2.47093**	27154
chr5	110653451	110660496	Ddx51	**2.68405**	56699
chr17	78369212	78418152	Fez2	**3.4315**	68704
chr6	57506502	57535426	Ppm1k	**2.64845**	64190
chr3	73635809	73708415	Bche	**2.32384**	62897
chr10	30534225	30600749	Trmt11	**4.09949**	42156
chr8	69209046	69230539	Zfp930	**3.08545**	40296
chr16	96145419	96157852	Wrb	**3.32223**	35959
chr3	119718742	119783388	Ptbp2	**3.45557**	50673
chr2	52857868	53134202	Fmnl2	**2.83399**	72282
chr9	50768238	50772670	Fdxacb1	**3.35151**	28898
chr7	45413695	45417179	Ntf5	**3.29882**	28228
chrX	152609509	152769486	Shroom2	**2.64781**	94692
chr2	121866970	121936207	Casc4	**3.18303**	60413
chr15	99295409	99317007	Prpf40b	**2.99996**	41311
chr15	74516196	74589464	Bai1	**1.67641**	45505
chr5	143172186	143180775	Rbak	**3.04058**	46125
chr19	5568074	5571261	Ap5b1	**2.89959**	39082
chr11	31359441	31370061	Stc2	**1.83382**	14333
chr12	51997507	52006501	Dtd2	**2.77574**	31024
chr11	3886088	3895126	4921536K21Rik	**2.19676**	25070
chr7	120677620	120734854	BC030336	**3.12759**	66014
chr5	136138781	136141614	Alkbh4	**2.76207**	20625
chrX	48341358	48406728	Bcorl1	**2.56815**	68569
chr9	123034741	123067558	Tgm4	**3.0256**	36494

chr9	105129338	105131805	Nudt16	**3.14793**	22038
chr11	74383483	74590158	Rap1gap2	**2.45279**	68536
chr4	134129858	134187085	Cep85	**2.56022**	43146
chr8	11198423	11312826	Col4a1	**3.22506**	92997
chr12	44852486	45074483	Stxbp6	**4.69785**	88570
chr11	101246334	101248250	Ramp2	**2.6576**	10102
chr4	94614491	94693233	Ift74	**3.20841**	36727
chr15	51877441	51884622	Utp23	**2.79184**	35500
chr2	28840406	28905575	Ddx31	**2.62442**	38073
chr3	27938680	28133362	Pld1	**2.70066**	60664
chr3	107741048	107760469	Csf1	**2.32905**	44895
chr2	158768099	158786637	Fam83d	**2.7303**	26898
chr11	23487882	23498039	Ahsa2	**3.40864**	23462
chr2	181147692	181157015	Eef1a2	**7.63846**	68126
chr19	6085097	6091773	Cdca5	**3.27832**	27238
chr4	135412309	135433805	Rcan3	**3.30124**	72212
chr2	73312652	73337807	Scrn3	**3.64854**	51642
chr1	60409619	60481163	Abi2	**2.72929**	71075
chr11	83704056	83706269	Wfdc17	**7.68915**	15720
chr2	121194835	121271407	Trp53bp1	**1.98745**	64925
chr19	61224402	61228418	Csf2ra	**1.47381**	11879
chr4	135728159	135755383	Il22ra1	**2.77091**	70359
chr4	156229044	156234857	Klhl17	**3.04647**	39269
chr11	43681998	43722633	Pwwp2a	**3.11889**	55688
chrX	9435254	9469324	Cybb	**2.65069**	54885
chr3	8663359	8667038	Hey1	**2.33273**	22422
chr5	124552864	124569660	Ddx55	**3.20344**	39086
chr15	101050192	101054399	Fignl2	**2.46608**	45236
chr3	37404982	37419596	Nudt6	**3.55659**	16744
chr7	101421691	101512829	Pde2a	**3.64316**	73704
chr11	59450045	59458567	Jmjd4	**2.70819**	52475
chr8	110882456	110902488	Fuk	**2.89626**	48910
chr4	46376975	46389423	5830415F09Rik	**2.37958**	16161
chr18	36017658	36197160	Nrg2	**2.97867**	36746
chr7	49975350	50863289	Nell1	**2.92774**	35888
chr7	142273764	142274363	Gm4559	**1.84746**	4832
chr11	21572281	21898686	Wdpcp	**3.48424**	37105
chr1	37299838	37410740	Inpp4a	**2.65008**	79513
chr17	35841498	35859670	Mdc1	**2.46586**	79027
chr18	54888045	54990180	Zfp608	**2.15268**	57354
chr1	64679869	64690659	2810408I11Rik	**2.50734**	7793
chr11	120464354	120467600	Arl16	**3.17139**	27580
chr4	129150825	129189482	S100pbp	**2.21049**	14897
chr2	19371636	19394971	Msrb2	**1.80864**	9390
chr7	127214442	127218445	Sept1	**2.26561**	14350
chr6	49367739	49389904	Fam221a	**6.03839**	55145
chr5	100077873	100159808	Tmem150c	**2.04761**	25626

chr14	20075636	20083172	Saysd1	**3.0136**	30267
chr14	65819027	65833969	Esco2	**3.07071**	38805
chr13	67538641	67553152	Zfp748	**3.42126**	68827
chr3	98280431	98310738	Hmgcs2	**4.83536**	69431
chr4	129615617	129619093	Iqcc	**2.88456**	26934
chr11	5276329	5444847	Znrf3	**2.87132**	95864
chr8	19445770	19447606	Defb8	**2.01409**	2511
chr15	98517658	98534269	Kansl2	**2.90159**	45547
chr4	152019776	152027671	Zbtb48	**3.00955**	29203
chr10	76351254	76442912	Pcnt	**2.37024**	94550
chr11	68972516	68975185	Rangrf	**3.34558**	13388
chr12	100912700	101028983	Ccdc88c	**1.70594**	46790
chr5	21186267	21291701	Gsap	**3.19584**	52172
chr13	119334317	119409011	Nnt	**2.4767**	49814
chr4	136049948	136053371	Rpl11	**2.3817**	6167
chr1	10038218	10136768	Cspp1	**2.65947**	50476
chr19	36917550	36919599	Fgfbp3	**2.95389**	22611
chr19	7596661	7607176	Lgals12	**3.29691**	39594
chr3	154596711	154623182	Cryz	**3.73893**	36851
chr16	23224740	23360350	St6gal1	**2.51926**	53108
chr3	41626705	41742514	Sclt1	**3.14647**	41422
chr2	31245923	31295471	Ncs1	**2.59114**	45576
chr17	78949405	79020816	Prkd3	**2.63722**	70505
chr17	14665500	14694262	Thbs2	**2.06052**	53192
chr6	128952353	128975029	Gm15987	**3.78805**	16942
chr16	36828400	36872715	Iqcb1	**2.66348**	26321
chr1	171051169	171059403	Fcgr3	**2.79268**	16471
chr10	26275452	26375185	L3mbtl3	**2.49135**	37044
chr1	181896386	182019980	Enah	**2.83843**	143714
chr17	35994504	36038174	A930015D03Rik	**2.72154**	9479
chr7	142079487	142095284	Dusp8	**2.29912**	48297
chr8	83723352	83741311	Cd97	**2.50616**	34096
chr11	94539798	94549207	Rsad1	**2.39196**	43282
chr8	70234423	70263105	Sugp2	**2.68241**	43077
chr12	64942440	64965536	Klhl28	**2.3974**	29826
chr18	41875696	41951194	Prelid2	**2.89827**	9147
chr5	145204559	145221750	Zkscan5	**2.73592**	45284
chr2	101714285	101838980	Prr5l	**1.34221**	26013
chr5	137314558	137333582	Slc12a9	**2.4808**	35849
chr6	38433925	38512763	Ubn2	**2.33648**	148702
chr3	90237500	90243512	Creb3l4	**3.27398**	22164
chr1	157458582	157488733	BC026585	**0.9815**	5515
chr11	109485476	109573329	Arsg	**1.59362**	23251
chr7	100372233	100470159	C2cd3	**2.57808**	87793
chr15	89472476	89477424	Arsa	**2.70043**	38799
chr18	31909094	31911903	Sft2d3	**2.83937**	34780
chr2	118528757	118549678	Bmf	**3.15306**	63679

chrX	159532668	159593081	A830080D01Rik	**2.51403**	36888
chr13	67705306	67729173	Zfp65	**2.40357**	41491
chr8	71371298	71373689	Ocel1	**2.64674**	19060
chr19	6057888	6059524	Fau	**2.79111**	9916
chr5	149411806	149431703	Medag	**3.50868**	43988
chr7	125707876	125874797	D430042O09Rik	**2.33338**	62972
chr4	72109945	72200893	Tle1	**2.39585**	127133
chr14	18271142	18284000	Nkiras1	**2.83595**	47941
chr10	121739937	121752859	BC048403	**2.56097**	34797
chr7	126363828	126369534	Lat	**1.76737**	9507
chr18	82593597	82692734	Zfp236	**2.48471**	102604
chr4	156109998	156127263	9430015G10Rik	**2.7075**	29624
chr10	90989311	91082743	Apaf1	**3.26591**	92737
chr9	95954760	96053029	Xrn1	**2.21842**	53197
chr8	94067954	94098811	Bbs2	**2.37421**	30500
chr7	138835818	138846267	Mapk1ip1	**3.42263**	21186
chr2	69822370	69836651	Klhl23	**2.45337**	49377
chr11	22972005	22976496	Zrsr1	**2.72689**	53396
chr11	78301591	78322454	Spag5	**2.558**	42618
chr13	108158738	108194981	Ercc8	**2.61728**	24039
chr5	143710326	143732280	Usp42	**2.61118**	58620
chr8	122578237	122611487	Galns	**2.61604**	29490
chr11	51651074	51657681	D930048N14Rik	**3.24741**	46842
chr4	116031770	116053876	Nsun4	**2.77074**	42406
chr4	131921771	131923140	Tmem200b	**2.83204**	16913
chr4	95557507	95926939	Fggy	**2.86783**	33916
chr7	6286580	6307883	Zfp667	**1.36698**	21875
chr6	42672547	42693059	Fam115a	**2.07346**	33786
chr2	27188393	27247303	Sardh	**1.86738**	37103
chr16	32914100	33014269	Lrch3	**2.50324**	45372
chr6	40407498	40436133	E330009J07Rik	**2.85607**	24290
chr19	41766588	41802084	Arhgap19	**2.38445**	53426
chr19	5079337	5085477	Tmem151a	**1.43934**	24752
chr1	177729814	177753305	1700016C15Rik	**2.39357**	7815
chr16	3861544	3872374	Zfp597	**2.16303**	53085
chr8	12915893	13020509	Mcf2l	**1.79381**	43101
chr12	76348900	76369560	Zbtb25	**2.73321**	21172
chrX	101404384	101420685	Zmym3	**2.73164**	72053
chr9	42412317	42472226	Tbcel	**2.4118**	52220
chr19	46135695	46148325	Pitx3	**1.14651**	6842
chr8	69808687	69821870	Gmip	**2.03593**	34834
chr11	101092208	101095435	Psmc3ip	**3.08819**	12183
chr13	33879816	33905708	Serpinb6c	**2.51048**	14533
chr3	132881745	132950291	Npnt	**2.14587**	44900
chr5	115478010	115484484	Sirt4	**2.26775**	17774
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chr3	122419780	122530182	Bcar3	**2.97466**	42791
chr12	51348230	51376986	G2e3	**2.79861**	82054
chr4	93334148	93335511	Tusc1	**4.35142**	25873
chr5	35057084	35087831	Dok7	**1.47638**	15980
chr4	107070168	107084805	Cyb5rl	**2.46183**	17224
chr19	44108637	44135876	Cwf19l1	**2.61094**	40757
chrX	100626065	100727271	Kif4	**2.83711**	58275
chr11	69796068	69801716	Fgf11	**1.2198**	13474
chr5	107900528	107908041	Rpl5	**3.96247**	18223
chr7	119783826	119794058	Eri2	**2.86015**	35234
chr8	85007203	85014531	Best2	**2.0998**	20238
chr11	20227037	20249424	Cep68	**2.62402**	55019
chr1	151884524	152090320	1700025G04Rik	**2.23112**	94865
chr8	111643443	111671011	Zfp1	**3.22547**	26349
chr10	105763185	105841380	Mettl25	**2.69163**	23924
chr10	69533708	70027436	Ank3	**2.37237**	110499
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chr16	90936097	91011248	Synj1	**2.7656**	86427
chr4	136247957	136274899	Tcea3	**5.25474**	28564
chr19	38055025	38074425	Cep55	**3.20718**	38838
chr9	86552476	86571842	Pgm3	**2.62334**	36525
chr11	79014801	79146354	Ksr1	**1.88055**	30864
chr9	22276748	22307638	Zfp810	**2.34702**	33128
chr11	69803595	69803668	Tmem102	**2.45523**	792
chr2	91643688	91649791	Zfp408	**2.48871**	40574
chr6	90462626	90475209	Klf15	**2.75943**	27594
chr1	170960559	170976071	Fcgr2b	**2.3105**	15571
chr1	38056264	38129662	Rev1	**2.48449**	32729
chr3	36863106	37053033	4932438A13Rik	**2.31272**	160124
chr2	127008711	127069814	Ap4e1	**2.37666**	67590
chr4	155650655	155653384	Mmp23	**2.48888**	15558
chr1	53313624	53326342	Osgepl1	**2.71855**	23073
chr14	31237696	31251218	Phf7	**3.12931**	27064
chr15	75044018	75048837	Ly6c1	**3.52918**	25307
chr4	132221025	132261549	Gmeb1	**2.89621**	83085
chr4	152120876	152152207	Espn	**1.4632**	19575
chr5	122550204	122614518	Ift81	**2.46379**	31683
chr11	83572917	83578636	Ccl9	**2.54364**	33353
chr7	55978484	56019573	Nipa1	**3.15786**	19437
chr11	75830992	75925891	Rph3al	**2.29523**	34388
chr11	110399122	110513637	Map2k6	**2.15854**	19421
chr3	92407991	92409271	Sprr2i	**5.13089**	13800
chr3	103859795	103912252	Ptpn22	**5.1202**	64370
chr17	55938373	55945259	Zfp119b	**3.31757**	27434
chr13	93304495	93405129	Homer1	**2.50537**	56037
chr11	117867949	117873526	Tha1	**2.67292**	21439

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chr18	43320979	43438286	Dpysl3	**3.0108**	79784
chr18	38838673	38918699	Fgf1	**2.89879**	49395
chr16	56075409	56190011	Senp7	**2.69708**	62159
chr5	138194314	138195621	Mblac1	**3.32564**	18962
chr4	149468787	149485142	Nmnat1	**2.00259**	8328
chr3	101855771	101924453	Slc22a15	**2.57655**	74555
chr11	68209364	68386826	Ntn1	**2.72797**	68234
chr9	40297907	40455764	Gramd1b	**2.25883**	26566
chr17	55892093	55898930	Zfp959	**3.03075**	27176
chr19	27217020	27254231	Vldlr	**2.69711**	97678
chr2	164656046	164657368	Wfdc10	**0.9496**	1900
chr10	13553143	13563376	Adat2	**2.88629**	15312
chr13	12471209	12520450	Edaradd	**2.02264**	71444
chr12	100300909	100520822	Ttc7b	**2.35126**	33854
chr16	4711318	4719356	Nmral1	**2.73384**	20438
chr5	33843112	33897966	Whsc1	**2.36301**	131808
chr11	103171138	103198900	Fmnl1	**1.47083**	24832
chr4	86581285	86612022	Haus6	**2.17899**	35097
chr13	63304709	63431745	Fancc	**3.64537**	67027
chr11	11800288	11808962	Fignl1	**2.57612**	33397
chr6	31220351	31337394	2210408F21Rik	**2.43956**	10762
chr1	105780723	105847981	Tnfrsf11a	**1.9518**	42728
chr11	59155369	59163745	Iba57	**2.51936**	50156
chr5	3344312	3522225	Cdk6	**1.79882**	19368
chr11	99798186	99804287	Gm11554	**2.63578**	7273
chr11	72777232	72795839	Cyb5d2	**2.67106**	27665
chr16	23609919	23614222	Rtp4	**4.52068**	30998
chr19	6914196	6914286	Mir6990	**4.03598**	1601
chr1	36538173	36547201	Ankrd39	**2.70287**	21043
chr4	41657498	41697091	Cntfr	**3.27681**	32382
chr17	33239507	33255145	Zfp955a	**2.62112**	42904
chr2	120860276	120970715	Ubr1	**2.6689**	86709
chrX	164070703	164076049	Siah1b	**2.60726**	19469
chr4	53261356	53270232	AI427809	**1.90182**	18877
chr2	154559400	154569892	E2f1	**2.39448**	32347
chr5	32863721	32994233	Depdc5	**2.20021**	81006
chr12	100779123	100872610	9030617O03Rik	**2.54887**	35877
chr12	31640055	31654826	Dus4l	**2.09927**	16179
chr19	41845976	41848132	Frat2	**2.10366**	19780
chr1	84906705	84935083	Slc16a14	**2.06609**	21156
chr4	111720010	111829140	Spata6	**3.55687**	37801
chrX	48695004	48710719	Rbmx2	**2.59858**	19744
chr19	4878668	4885397	Zdhhc24	**2.58299**	26325
chr14	79334507	79390668	Naa16	**2.36998**	40033
chr2	152337425	152344060	Trib3	**1.59944**	14300
chr9	21800180	21852635	Dock6	**2.75392**	78751

chr14	57034460	57058030	Gja3	**1.84728**	23296
chr4	43492785	43493059	Rmrp	**3.33677**	4000
chr12	86700502	86726460	Angel1	**2.3212**	38956
chr9	44803355	44881274	Kmt2a	**1.97047**	141204
chr11	116105750	116110235	Trim47	**2.93818**	28075
chr8	105701148	105703494	Pard6a	**2.47091**	15478
chr11	5765509	5784710	2210015D19Rik	**2.68673**	20484
chr1	178955039	179518003	Smyd3	**2.27713**	37333
chr13	67589439	67609707	AA987161	**2.59508**	54695
chr13	67440431	67451624	Zfp874a	**2.39308**	33799
chr1	184034461	184075636	Dusp10	**3.33252**	39397
chr10	128800825	128804370	Tmem198b	**2.4255**	16346
chr9	107327082	107338350	Hemk1	**2.26622**	21674
chr2	35109492	35178822	Cntrl	**2.11741**	71921
chr1	173857220	173880187	Mndal	**4.34435**	36133
chr6	47955817	47965299	Zfp956	**2.23344**	24992
chr9	13246979	13292353	Ccdc82	**3.12407**	63216
chr12	104929933	105009809	Syne3	**2.04589**	49479
chr4	127077383	127124374	Zmym6	**2.53426**	49381
chr11	58120001	58168539	Gemin5	**2.41083**	65304
chr13	17986640	17993351	Yae1d1	**2.30805**	34570
chr6	83030936	83033471	Dok1	**3.25142**	25583
chr4	94942041	94979100	Mysm1	**2.74034**	88624
chr1	106538178	106714290	Bcl2	**2.83931**	95773
chr7	121734507	121768477	Scnn1g	**2.09503**	27078
chr13	33004541	33017955	Serpinb9	**3.1853**	47168
chr19	44147637	44192442	Pkd2l1	**2.1346**	30902
chr9	108953745	108984875	Col7a1	**1.96695**	78557
chr1	60483185	60566765	Raph1	**2.73308**	108619
chr16	45959261	46010413	Plcxd2	**1.8724**	59885
chr8	31150316	31164703	Tti2	**2.52613**	52328
chr8	48099092	48141667	Dctd	**2.32089**	28166
chrX	36887542	36902899	Nkrf	**2.54977**	36301
chr2	103957995	103981878	Lmo2	**3.59087**	27753
chr12	33147686	33368277	Atxn7l1	**2.24234**	41816
chr3	88835231	88910099	Gon4l	**2.54864**	80980
chr2	91277828	91444642	1110051M20Rik	**2.63657**	22745
chr1	94038305	94052553	Pdcd1	**2.49288**	20973
chr13	3854173	3854761	Calm5	**1.23142**	2947
chr4	96723887	96785160	Gm12695	**2.22204**	15866
chr5	121220219	121368577	Gm15800	**1.92216**	129723
chr16	31296192	31314808	Apod	**7.70694**	69543
chr1	138062859	138175305	Ptprc	**1.94272**	47983
chr13	64192545	64274988	Cdc14b	**2.21717**	57922
chr6	87628429	87672168	Aplf	**2.49519**	34632
chr12	85234520	85270564	Mlh3	**2.39094**	56573
chr18	67665501	67724621	Ptpn2	**2.64709**	96974

chr17	25748613	25754327	Msln	**1.02358**	9437
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chr2	144270904	144281227	Mgme1	**1.94806**	24083
chr13	23353103	23369208	Zfp322a	**2.71646**	61540
chr10	70245276	70285951	Slc16a9	**2.44218**	37931
chrX	53243415	53269805	Fam122b	**2.44443**	36357
chr9	3335231	3385846	Alkbh8	**1.99749**	19757
chr11	101769742	101785310	Etv4	**2.53895**	25854
chr8	119862305	119876989	Klhl36	**2.3539**	21979
chr8	25725324	25754280	Ddhd2	**2.43435**	45280
chr7	43579586	43593710	Zfp719	**3.15517**	68673
chr9	121760033	121771742	Zfp651	**2.44352**	67670
chr11	78166106	78176666	Nek8	**2.71367**	33122
chr13	96480689	96542485	Polk	**2.57468**	47430
chr5	124493080	124531391	Rilpl1	**2.70255**	26495
chr7	25221451	25227505	Zfp526	**2.02541**	29595
chr7	24462500	24475873	Plaur	**2.96087**	18018
chr14	76110891	76137379	Nufip1	**2.75941**	47802
chr10	43479140	43515417	Bend3	**2.16539**	57098
chr3	19894871	19898984	4632415L05Rik	**2.045**	36674
chr5	134099748	134141758	Gatsl2	**1.66606**	34461
chr14	47387779	47418407	Dlgap5	**2.59533**	33533
chr5	134489383	134552434	Clip2	**2.74329**	59768
chr6	22875502	23052916	Ptprz1	**2.08689**	73395
chr7	143795594	143822841	Nadsyn1	**2.39064**	27418
chr12	110279230	110281097	Dio3	**2.33333**	19000
chr5	53809627	53904380	Tbc1d19	**2.90389**	34026
chr6	88842558	88874044	Podxl2	**2.44039**	15723
chr9	22475715	22888280	Bbs9	**2.85973**	42858
chr16	36041190	36042974	Wdr5b	**2.65837**	20685
chr3	64258961	64287417	Vmn2r3	**1.706**	19856
chr2	120403896	120460852	Ganc	**2.18222**	40324
chr5	109996527	110010411	Zfp932	**3.32175**	30046
chr11	88973935	88991613	Coil	**2.06375**	23453
chrX	135743563	135747326	Armcx5	**2.54183**	26659
chr7	26173409	26210660	Cyp2b9	**1.84549**	15100
chr14	54875597	54877538	Ppp1r3e	**2.06425**	16665
chr3	90213381	90213648	Rps27	**3.97864**	3989
chr13	92449620	92484031	Fam151b	**2.67056**	16100
chr12	80120546	80132844	2310015A10Rik	**2.26477**	47832
chr11	62458460	62513900	Pigl	**2.42541**	17519
chr2	60598292	60722603	Itgb6	**2.77744**	61868
chr7	81600481	81706925	Homer2	**1.50179**	72771
chr16	13109736	13152009	Ercc4	**2.52716**	73842
chr1	78310346	78420286	Sgpp2	**3.02028**	49148
chr11	63128982	63159547	Pmp22	**3.07041**	31480
chrX	37191343	37192465	Rnf113a1	**3.09398**	15146

chr14	45134448	45219394	Txndc16	**2.52309**	44302
chr5	107403513	107430031	Ephx4	**2.44283**	13396
chr2	91061781	91070315	Slc39a13	**2.7537**	28701
chr7	112368308	112413104	Micalcl	**2.05017**	21422
chr6	72438683	72440615	4930414L22Rik	**2.69762**	20226
chr1	191537365	191575534	Dtl	**2.31286**	42365
chr4	12089370	12096271	Rbm12b2	**2.76676**	41320
chr3	89939481	89963332	Atp8b2	**2.24329**	53363
chr3	87922601	87930195	Rrnad1	**2.62672**	28534
chr2	156196647	156309953	Phf20	**2.49658**	62392
chr9	24411779	24503140	Dpy19l1	**2.26014**	46690
chr11	101442245	101445596	Rpl27	**2.53843**	8122
chr17	44495987	44814797	Runx2	**2.82414**	97477
chr18	63708695	63989759	Wdr7	**2.27266**	70418
chr8	9970020	9976323	Lig4	**2.43276**	43278
chr9	59518685	59525501	Tmem202	**2.14791**	11760
chr7	78192114	78577838	Ntrk3	**2.92012**	65810
chr4	132458729	132463921	Med18	**2.59689**	18984
chr4	70223024	70410367	Cdk5rap2	**2.27626**	55596
chr1	121431067	121506460	Ccdc93	**2.42858**	76816
chr19	3986661	3990005	Acy3	**2.21542**	14515
chr7	33743799	33745103	Scgb1b24	**6.50759**	11347
chr2	140170646	140205252	Ndufaf5	**2.52839**	30111
chr4	59805650	59904740	Snx30	**2.26784**	74213
chr11	34809185	34833641	Spdl1	**2.31395**	25318
chr11	108920349	108950781	Axin2	**2.6231**	48688
chr15	31291479	31367759	Ankrd33b	**1.31128**	49158
chr3	34650005	34652460	Sox2	**5.76094**	61677
chr4	141576062	141606052	Fblim1	**2.33987**	32313
chr14	54906727	54913132	Slc22a17	**2.73563**	27356
chr2	158624913	158639211	Actr5	**2.71439**	28031
chr19	59902884	59943654	Rab11fip2	**2.25739**	59829
chr2	26362765	26380653	Snapc4	**2.09011**	40918
chr19	18632016	18652184	Nmrk1	**2.32218**	16500
chr17	22197265	22225614	Gm4944	**2.87289**	61114
chr9	53537047	53575627	Npat	**2.0467**	65549
chr4	152274362	152285337	Gpr153	**2.11485**	34820
chr9	96823343	96889474	Pxylp1	**2.18164**	31098
chr2	121461666	121474023	Mfap1b	**1.94099**	15966
chr10	80702693	80705382	Izumo4	**3.01476**	12327
chr2	57107226	57124003	Nr4a2	**3.91918**	57181
chr11	83753637	83783754	Heatr6	**2.26083**	55909
chr9	124102183	124109140	Ccr2	**2.46782**	38609
chr2	130589996	130630038	Ubox5	**2.08184**	32897
chr8	109868603	109944671	Phlpp2	**2.51875**	86157
chr6	93675453	94283917	Magi1	**2.69393**	115671
chr9	37489321	37524150	Msantd2	**3.05794**	30539

chr2	155956558	155998900	Cep250	**2.22786**	77469
chr7	48866429	48881041	E2f8	**2.21242**	35597
chr18	46282151	46311928	Ccdc112	**2.60566**	31815
chr14	55784995	55788857	Ripk3	**2.48645**	20236
chr13	64096310	64129330	Slc35d2	**1.94065**	19254
chr1	172271709	172298064	Atp1a2	**5.73555**	155688
chr17	7945614	7979556	Rsph3a	**2.21947**	18963
chr2	30266203	30282149	Phyhd1	**1.9989**	15571
chr15	83483769	83510907	Ttll1	**1.96076**	17727
chr4	147985788	147987205	Nppb	**1.50272**	5116
chr4	56876013	56947429	Tmem245	**1.64784**	49528
chrX	129749742	130465833	Diap2	**2.02579**	74540
chr9	119444923	119465518	Exog	**2.20399**	37354
chr1	163994945	163997244	Mettl18	**2.65922**	16901
chr10	21124930	21160984	Myb	**2.4104**	39686
chr5	138273660	138279937	Gpc2	**1.87913**	20585
chr11	103133339	103139908	Hexim2	**2.18668**	18597
chr11	64079484	64083259	2810001G20Rik	**3.47312**	13641
chr17	56162491	56173955	Tnfaip8l1	**1.93998**	20000
chr18	73735038	73754479	Elac1	**2.88773**	62575
chr4	123233556	123249870	Heyl	**2.37618**	46943
chr15	73723145	73758766	Ptp4a3	**4.08887**	82329
chr4	8690406	8868449	Chd7	**1.50788**	74315
chr17	40571869	40571969	Esp6Esp5	**4.72661**	2081
chr9	44410448	44418007	Ccdc84	**2.71784**	11338
chr13	67490167	67500522	Zfp58	**2.58703**	26603
chr7	27179741	27181149	Mia	**1.5775**	3899
chr8	94745684	94751388	Ccl22	**1.44406**	11400
chrX	95420314	95444840	Amer1	**2.15091**	79397
chr9	59321966	59353508	Bbs4	**2.29971**	25483
chr6	91440987	91441755	1810044D09Rik	**2.64191**	5597
chr7	102069897	102071218	Xndc1	**2.50356**	1386
chr7	66109515	66173798	Chsy1	**2.37835**	43295
chr6	49319353	49341581	Ccdc126	**3.53246**	34970
chr4	72201244	72203930	C630043F03Rik	**2.29428**	26873
chr4	126148003	126149874	Eva1b	**2.16628**	12871
chr11	82115185	82116799	Ccl8	**8.70923**	19400
chr11	103219764	103267401	Map3k14	**1.70378**	30993
chr8	110721484	110741400	Mtss1l	**1.96369**	40309
chr6	54595111	54645822	Plekha8	**2.26156**	68891
chr11	95009879	95026087	Samd14	**2.01899**	29202
chr5	134220053	134229625	Ncf1	**1.71816**	22237
chr4	111415006	111460298	Bend5	**2.72025**	22625
chr3	97658212	97673067	Prkab2	**2.53813**	47144
chr8	104831644	104838652	Ces2b	**1.42799**	11796
chr9	75232014	75305450	Myo5c	**2.56354**	75229
chr1	58210397	58268596	Aox4	**2.20973**	47893

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chr5	137641100	137641472	Gm20605	**2.71101**	4408
chr17	37480851	37483529	H2-M2	**1.3048**	8691
chr11	60740059	60777365	Top3a	**2.38806**	38933
chr6	127085116	127109552	9630033F20Rik	**2.74159**	43657
chr6	127453723	127494239	Parp11	**2.44169**	39637
chr19	15955773	15984989	Cep78	**2.225**	24723
chr1	75485825	75506452	Obsl1	**1.73905**	43741
chr10	127749602	127751798	Gpr182	**1.53283**	11319
chr6	119902698	119922823	Rad52	**2.5722**	19039
chr4	117873000	117883476	B4galt2	**2.01666**	21863
chr15	89071198	89075854	1810021B22Rik	**2.50659**	7146
chr11	106789252	106818861	Cep95	**2.48945**	29593
chr3	27183004	27244911	Nceh1	**2.12728**	40746
chr13	8802966	8871736	Wdr37	**2.64473**	92230
chr3	145987870	146021720	Syde2	**2.02062**	48401
chr3	88082051	88121048	Iqgap3	**2.10925**	52188
chr16	33969073	34514027	Kalrn	**2.52551**	186273
chr17	32412461	32424167	Pglyrp2	**1.66674**	20903
chr2	6539699	7396198	Celf2	**1.95663**	80354
chr3	19995945	20035310	Hps3	**2.48287**	44505
chr1	181051237	181060667	9130409I23Rik	**2.34213**	19378
chr2	128126038	128162547	Bcl2l11	**1.98352**	60257
chr12	8974001	9028847	Wdr35	**2.42017**	46335
chr6	53815468	53820825	Tril	**1.51976**	35496
chrX	48541626	48594452	Zfp280c	**2.27473**	40675
chr5	138139702	138155744	Zfp113	**2.11274**	59587
chr14	45458792	45530065	Fermt2	**2.74654**	38827
chr9	13619989	13709533	Maml2	**2.567**	68695
chr19	38097079	38114263	Ffar4	**1.41495**	8592
chr15	75979872	75982285	Ccdc166	**3.14783**	31574
chr3	89869324	89913162	Il6ra	**1.92622**	28070
chr13	49464059	49652731	Cenpp	**3.85871**	17729
chr1	13668771	13701723	Xkr9	**2.47722**	20798
chr10	51490898	51496611	Lilrb4	**1.91337**	12511
chr7	12965864	12973822	Zfp324	**2.144**	40085
chr17	33380179	33394637	Zfp101	**2.26958**	27019
chr1	33761541	33814595	Zfp451	**2.3766**	58886
chr15	27655071	27681542	Fam105a	**1.68179**	22492
chr12	69201779	69228190	Pole2	**2.28009**	16847
chr17	35199367	35202007	Tnf	**2.84485**	20499
chr15	101128522	101145336	Acvrl1	**2.62275**	43308
chr10	117287795	117292868	Lyz1	**2.15693**	11894
chr14	59402011	59440877	Setdb2	**2.33047**	30822
chr11	102453297	102469883	Itga2b	**1.81113**	27135
chr14	79397772	79423650	Mtrf1	**2.57382**	20891
chr3	132684144	132838506	Tbck	**1.92256**	34428

chr9	44998743	45009590	Cd3e	**1.7758**	11116
chr12	72536357	72580213	Pcnxl4	**2.30327**	44378
chr8	79711820	79777321	Anapc10	**2.69839**	32959
chr12	21111756	21269805	Asap2	**1.64727**	38151
chr11	77515117	77520628	Abhd15	**1.43149**	20274
chr13	75645046	75645141	Mir682	**1.29517**	542
chr15	34495311	34530653	Pop1	**2.04502**	30247
chr7	19013283	19023539	Foxa3	**3.12726**	27796
chr7	134266262	134376828	D7Ertd443e	**2.54276**	29606
chr1	91366430	91374217	Fam132b	**2.0621**	25304
chr9	58488603	58499742	6030419C18Rik	**2.16576**	20194
chr2	91096797	91115756	Spi1	**1.74401**	10134
chr11	115912017	115913917	Smim6	**2.32838**	9896
chr4	154021513	154026044	Smim1	**2.06729**	20952
chr1	132026621	132068062	Mfsd4	**2.54187**	53773
chr10	81393064	81395079	Smim24	**3.45022**	8648
chr11	16971206	17008718	Plek	**1.6918**	30362
chr2	37799104	38287384	Dennd1a	**1.8926**	34964
chr2	14026831	14056035	Ptpla	**1.82043**	7999
chr9	60587235	60688134	Lrrc49	**2.06145**	27956
chr7	143665807	143685872	Tnfrsf23	**3.26656**	46748
chr7	126382854	126396737	Nfatc2ip	**1.92047**	28363
chr12	113156421	113165458	4930427A07Rik	**2.47235**	36158
chr4	136172394	136196056	E2f2	**2.1755**	44932
chr1	179528056	179546267	Tfb2m	**2.08477**	22247
chr17	35972539	35979825	Prr3	**2.18401**	21440
chr5	124598749	124627738	Tctn2	**1.8108**	21573
chr11	73090595	73147449	Itgae	**1.39017**	23246
chr3	94837567	94883567	Pogz	**2.13026**	70946
chr1	71585473	71653234	Fn1	**2.06043**	75671
chr9	20428318	20460160	Zfp26	**2.05978**	102422
chr3	29951296	30509487	Mecom	**2.71536**	65149
chr17	35170992	35176001	Aif1	**2.34725**	8953
chr13	4268172	4279399	Akr1c12	**2.53648**	13611
chr3	121155402	121171695	Rwdd3	**2.54643**	18826
chr4	128930233	128962455	Azin2	**2.38564**	29139
chr16	55973268	55974617	2310061J03Rik	**2.50378**	8535
chr15	83866712	84065349	Efcab6	**1.61543**	35991
chr5	108694229	108706950	Fgfrl1	**2.27598**	26351
chr4	151059523	151861768	Camta1	**1.85465**	83911
chr14	11553553	12242039	Ptprg	**2.18312**	87457
chr17	6954965	6961156	Tagap1	**2.8938**	29745
chr12	31519819	31559969	Slc26a4	**4.56425**	61340
chr9	103208876	103230286	Trf	**2.6101**	26533
chr2	109092300	109278290	Mettl15	**2.11048**	17397
chr9	108053159	108055701	Amigo3	**2.09927**	23271
chr13	21513221	21531114	Zkscan8	**1.96381**	76180

chr6	112619851	112696670	Rad18	**2.20324**	25941
chr14	118875520	118923167	Dzip1	**2.15688**	42084
chr5	100846229	100899102	Agpat9	**3.33093**	41774
chr6	57580992	57665136	Herc6	**3.78908**	87194
chr17	32536629	32551797	Cyp4f16	**2.24353**	21193
chr2	114193461	114201432	Zfp770	**2.08061**	38664
chr2	178414534	178422161	Fam217b	**1.44704**	14281
chr2	13510161	13544664	Trdmt1	**2.5564**	29386
chr1	177022115	177248767	Akt3	**3.28523**	67809
chr16	8470813	8490197	Mettl22	**2.80822**	16073
chr5	24592622	24602002	Smarcd3	**3.58307**	26943
chr14	54583663	54605908	4931414P19Rik	**1.88474**	21238
chr10	120083608	120112965	Helb	**2.40645**	47541
chr9	66775487	66795423	Aph1b	**1.92833**	38314
chr16	90738324	90749776	Mrap	**5.29292**	22888
chr9	120539818	120568326	Entpd3	**2.5764**	38769
chr16	11322904	11755473	Snx29	**1.61716**	19823
chr2	146241299	146512004	Ralgapa2	**1.98647**	83216
chr3	152236984	152266320	Nexn	**3.49956**	39114
chr5	143249695	143270022	Zfp316	**2.12573**	63873
chr7	33737193	33739295	Scgb2b24	**3.81593**	8367
chr17	32036162	32062862	Rrp1b	**2.14727**	47522
chr19	11321039	11336146	Ms4a7	**2.83572**	21212
chr14	99046377	99074107	Bora	**1.98059**	19797
chr11	78183059	78183113	Snord42b	**1.25129**	300
chr3	127670310	127780527	Alpk1	**1.92617**	40261
chr4	42953094	42958732	Dnajb5	**2.79148**	28097
chr11	69393612	69395346	Cyb5d1	**2.24881**	7509
chr9	95861369	95951644	Atr	**1.75285**	60264
chr7	16309583	16318334	Bbc3	**2.46109**	21199
chr5	90903899	90905938	Cxcl2	**1.18408**	5590
chr15	84729332	84772207	Arhgap8	**1.68691**	10817
chr3	14533788	14572658	Lrrcc1	**2.27542**	58819
chr15	100502748	100552008	Tfcp2	**2.4843**	35683
chr18	34732997	34751533	Cdc25c	**2.81252**	23797
chr3	88282760	88296838	Tsacc	**3.0223**	6337
chr18	20944625	20983848	Rnf125	**1.0784**	6271
chr3	68892499	69004570	Ift80	**2.28169**	40680
chr1	65186685	65278696	Pikfyve	**2.03248**	99718
chr7	25681158	25686558	B9d2	**2.44816**	10896
chr5	45697184	45857540	Lcorl	**2.72231**	109425
chr9	69397998	69433074	Ice2	**2.24757**	39474
chr14	63372837	63417187	Blk	**1.70518**	18397
chr2	180277646	180289879	Rbbp8nl	**1.79061**	18101
chr17	6904716	6948356	Rsph3b	**2.24016**	15761
chr12	103946932	103956897	Serpina1e	**4.12658**	24698
chr15	78559169	78572783	Rac2	**1.34619**	17816

chr13	111255013	111257749	Actbl2	**2.55578**	30493
chr1	83012523	83038448	Slc19a3	**1.64292**	21299
chr12	4133397	4211605	Adcy3	**2.14369**	34435
chr2	71118054	71142926	Cybrd1	**1.69317**	38439
chr7	101912989	101933857	Lrrc51	**2.75625**	10501
chr6	112273758	112330423	Lmcd1	**3.03149**	22835
chr9	122888471	122896124	Zkscan7	**2.11837**	20574
chr17	32506462	32528894	Cyp4f17	**1.85311**	13676
chr17	24720789	24720905	Snora64	**2.3803**	1214
chr17	24215056	24220769	1600002H07Rik	**1.84732**	17257
chr5	72203329	72298758	Atp10d	**1.95162**	51342
chr15	78597047	78622019	Cyth4	**1.87739**	22841
chr10	126868428	126901371	Xrcc6bp1	**2.62191**	15601
chr5	30888852	30906515	Agbl5	**2.1525**	36181
chr13	54371349	54383917	Cplx2	**1.93652**	41600
chr9	122951081	123018733	Kif15	**2.08061**	43743
chrX	36608183	36645414	Akap17b	**1.94226**	52095
chr11	84876313	84880195	Pigw	**2.55771**	29847
chr11	72154097	72203371	4933427D14Rik	**2.35662**	44502
chr17	21690212	21692213	Gm10509	**2.4242**	21156
chr5	100804802	100820935	Fam175a	**2.73704**	29816
chr2	164189231	164190558	Wfdc12	**1.63398**	5164
chr18	80606205	80713071	Nfatc1	**1.55014**	50227
chr14	70217898	70289449	Ppp3cc	**2.59692**	22052
chr7	79810727	79813431	Mesp2	**1.57596**	13300
chr2	91457531	91513901	Lrp4	**1.60621**	65865
chr15	79889532	79893138	D730005E14Rik	**3.08865**	46383
chr4	147822986	147848375	Zfp933	**2.46585**	45651
chr11	34204341	34208089	Foxi1	**1.7444**	17900
chr6	120324322	120364098	Ccdc77	**2.10699**	24468
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chrX	16709281	16817366	Maob	**1.6139**	16969
chr11	107547960	107686943	Helz	**1.64172**	44499
chr11	94343295	94392976	Abcc3	**1.49795**	32662
chr11	45945306	45955503	Thg1l	**2.13221**	36881
chr3	110246104	110250999	Prmt6	**2.14847**	39588
chr3	53041547	53261679	Lhfp	**3.38712**	30844
chr16	46394858	46496967	Pvrl3	**1.73139**	31299
chr17	37270234	37274485	H2-M3	**2.51039**	15594
chr11	69686240	69686956	Tnfsf12	**1.92769**	6025
chr12	103321142	103356001	Asb2	**2.32089**	27215
chrX	151344223	151474134	Fam120c	**1.94568**	65367
chr5	120800199	120812514	Oas1c	**3.0279**	30173
chr1	74771892	74785319	Wnt6	**1.78763**	16115
chr11	68985701	69008460	Pfas	**2.04486**	56701
chr17	42708937	42742179	Gpr111	**1.59331**	22802
chr7	41633531	41651532	Zfp788	**2.49882**	41730

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chr1	111858702	111864918	Dsel	**2.3443**	58893
chr19	47067748	47083470	Taf5	**2.04217**	28923
chr15	32244813	32696341	Sema5a	**1.62481**	76558
chr7	96210637	96908554	Tenm4	**1.30153**	60327
chr18	3266354	3337589	Crem	**2.36933**	43926
chr14	32513521	32580989	Ercc6	**1.93769**	71138
chr4	41517437	41518929	Fam219aos	**2.01829**	6229
chr2	139833479	140066805	Tasp1	**2.03309**	34688
chr11	82980303	82991830	Slfn9	**1.99627**	33555
chr7	6172513	6193104	Zfp444	**2.26214**	42708
chr7	45131189	45136432	Flt3l	**2.31494**	10848
chr17	45506841	45520843	Aars2	**2.26574**	33077
chr3	96832674	96870926	Pdzk1	**1.78917**	18492
chr5	37338478	37425054	Evc2	**2.08823**	37422
chr15	103503034	103530056	Pde1b	**1.23779**	19786
chr4	141010424	141015984	Mfap2	**2.53975**	12610
chr1	189640614	189688086	Cenpf	**1.89242**	91749
chr17	24753003	24758684	Hs3st6	**1.27864**	6800
chr2	32712900	32712972	Mir3960	**0.6725**	214
chr12	104028769	104044443	Serpina12	**0.63412**	10200
chr6	58933536	59024502	Fam13a	**1.87028**	35000
chr8	77663029	77724452	Ednra	**2.22898**	35397
chr17	32815453	32830261	Zfp799	**1.82589**	50494
chr6	118151748	118197744	Ret	**1.86972**	49424
chr10	11149430	11215273	Shprh	**2.09643**	84889
chr3	95988836	95995839	Plekho1	**2.80875**	16676
chr6	48537569	48541800	Atp6v0e2	**2.32718**	18605
chr16	4480228	4523053	Srl	**5.58148**	121117
chr5	12383166	12588943	Sema3d	**1.41856**	40324
chr12	84100654	84109783	Acot6	**1.13984**	9053
chr8	33234373	33385527	Wrn	**2.29238**	63784
chr16	15550986	15594518	Ube2v2	**2.4312**	62443
chr1	165788681	165862112	Cd247	**1.94639**	14305
chr7	15971262	15999495	Gltscr1	**1.74791**	40840
chr7	127865359	127876823	Zfp668	**2.06875**	31121
chr3	92352143	92353449	Sprr2e	**4.1484**	11700
chr1	85199611	85213762	Gm7609	**14.04498**	98632
chr16	14906646	14924522	Efcab1	**1.20335**	5917
chr6	112717972	112947266	Srgap3	**2.23509**	86577
chr7	97332323	97350216	Kctd21	**1.42742**	18499
chr12	12936093	12941836	Mycn	**2.56169**	28989
chr19	41274218	41385070	Pik3ap1	**2.09928**	23930
chr15	102536644	102625421	Atf7	**1.47199**	18313
chr3	107326110	107333289	Rbm15	**2.09178**	29817
chr5	138264053	138266661	6330418K02Rik	**2.06406**	3635
chr17	63045952	63500580	Fbxl17	**2.11729**	156792

chr17	33016864	33033381	Zfp763	**2.05887**	30380
chr1	180935039	180938401	Lefty1	**2.11869**	14814
chr4	149715375	149738068	Tmem201	**2.09955**	57714
chr12	76546972	76547925	AI463170	**1.99283**	4691
chr19	18670780	18704792	2410127L17Rik	**2.1675**	19785
chr8	22227303	22261332	Thsd1	**2.01326**	38878
chr14	47240944	47276857	Wdhd1	**1.83621**	33410
chr1	74661754	74697973	Ttll4	**1.62966**	30213
chr4	21757382	21767211	Tstd3	**2.1173**	12100
chr7	127403668	127406822	Zfp764	**2.58956**	28311
chr7	19903578	19921143	Pvr	**2.4718**	31118
chr5	122239495	122264460	Tctn1	**2.15967**	25767
chr9	41013641	41157494	Ubash3b	**1.80728**	25549
chr19	45363734	45533343	Btrc	**2.02168**	55741
chr15	77940522	77956722	Foxred2	**1.60868**	34298
chr2	9914552	10048609	Taf3	**2.08071**	43582
chr11	5058128	5060374	Rasl10a	**1.89221**	9065
chr4	59314683	59438633	Susd1	**1.88521**	27078
chr19	8888387	8888698	5730408K05Rik	**2.42344**	3296
chr9	20637749	20642806	Fbxl12	**2.04132**	18918
chr1	172630769	172632974	Dusp23	**2.45074**	15138
chr3	135212563	135273540	Cenpe	**1.98159**	67489
chr17	59001401	59013322	Nudt12	**1.58137**	15717
chr8	105264648	105269326	Fbxl8	**2.26688**	18785
chr8	111448784	111522107	Wdr59	**2.02688**	45052
chr18	67321209	67344103	B430212C06Rik	**1.36382**	15594
chr16	90386397	90499553	Hunk	**1.55627**	33981
chr1	161038092	161038156	Snord47	**2.42814**	688
chr3	104864506	104930063	St7l	**2.40272**	59952
chr11	105179342	105181433	1700052K11Rik	**2.14013**	18593
chr7	119895861	119916756	Lyrm1	**2.18464**	14380
chr11	116062096	116077961	Unc13d	**1.66596**	28809
chr2	179976853	179979013	4921531C22Rik	**1.89471**	15734
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chr5	36017181	36398139	Sorcs2	**1.98748**	49565
chr7	19282624	19296164	Rtn2	**4.30398**	39437
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chr17	69156810	69289987	Epb4-1l3	**1.15756**	20411
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chr17	34589806	34591754	Gpsm3	**2.10306**	12312
chr9	44686308	44735198	Phldb1	**2.06416**	49138
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chr10	79664574	79668536	Madcam1	**1.2496**	7735
chr1	119658093	119837071	Ptpn4	**1.62254**	33285
chr6	18170687	18322769	Cftr	**1.60607**	44135
chr18	78750378	79109391	Setbp1	**1.97994**	85920
chr18	36671159	36679214	Apbb3	**2.41425**	20101
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chr19	36731731	36736604	Ppp1r3c	**2.53878**	29615
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chr13	23583670	23621124	Hist1h2be	**1.383**	15132
chr17	14947736	14948823	LOC106740	**2.58964**	12282
chr1	191045830	191062932	Tatdn3	**2.61201**	14096
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chr10	23785347	23785451	Snora33	**2.61301**	1196
chr10	13090788	13131695	Plagl1	**1.16528**	26724
chr19	34922358	34975731	Kif20b	**2.09143**	50717
chr19	3913491	3929716	Aldh3b1	**3.78139**	30198
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chr8	105269801	105275845	Hsf4	**1.54497**	11806
chr15	101224207	101232756	Grasp	**3.34878**	29400
chr14	65192441	65262463	Fzd3	**1.71022**	94993
chr18	47245254	47368868	Sema6a	**1.48576**	44650
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chr4	127047094	127061132	Zmym1	**2.27038**	37925
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chr17	86167785	86657919	Prkce	**1.63916**	44687
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chr13	91707902	91741872	4833422C13Rik	**1.61914**	21880
chr7	46686108	46710651	Saal1	**2.24506**	45987
chr17	79051906	79090243	Qpct	**2.01419**	16893
chr13	67617001	67637753	A530054K11Rik	**2.05448**	46382
chr9	43221278	43239816	Oaf	**2.43841**	25383
chr6	40325478	40396762	Agk	**1.90451**	18472
chr13	106947129	106960224	Dimt1	**2.22624**	24698

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chr7	91090786	92449246	Dlg2	**1.58829**	55541
chr15	58872649	58876781	Trmt12	**2.01484**	36300
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chr9	101922128	102354693	Ephb1	**1.81276**	36879
chr8	124722139	124734123	Arv1	**1.7476**	8875
chr8	57455923	57477585	Scrg1	**1.57338**	4801
chr2	32712807	32712888	Mir2861	**1.396**	499
chr11	69823123	69834849	Nlgn2	**2.25743**	49222
chr2	4152863	4614043	Frmd4a	**1.89303**	61626
chr2	119609532	119618297	Oip5	**2.28451**	13434
chr15	79995876	80014808	Pdgfb	**1.45034**	18600
chr12	104406708	104414329	Serpina3n	**2.82303**	25658
chr8	11312829	11449287	Col4a2	**2.18672**	61254
chr6	18366477	18514825	Cttnbp2	**2.15916**	55823
chr19	40596446	40612215	Tctn3	**1.90762**	22660
chr4	20008428	20030785	Ttpa	**2.04163**	27171
chr2	37569868	37647285	Strbp	**1.80108**	128351
chr5	8422838	8454839	Slc25a40	**2.3338**	28872
chr5	25530018	25531466	1700096K18Rik	**2.56618**	16209
chr13	67389328	67399767	Zfp429	**2.27156**	20121
chr5	38200044	38220428	Zbtb49	**1.71764**	22350
chr9	8021672	8042823	9230110C19Rik	**1.676**	11631
chr11	100694884	100704271	Dhx58	**3.68918**	38789
chr3	87971093	87980451	Nes	**1.34062**	35800
chr7	4992852	4996101	Zfp579	**2.2612**	21281
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chr15	66780819	66831829	Sla	**1.21155**	16557
chr17	3326573	3519255	Tiam2	**2.0471**	60868
chr1	91494668	91529307	Traf3ip1	**2.11844**	32321
chr3	7366604	7445365	Pkia	**3.36366**	53988
chr8	36094828	36147787	D8Ertd82e	**1.94321**	40490
chr10	30645582	30803107	Ncoa7	**1.94309**	45214
chr18	84207702	84589504	Zfp407	**1.84189**	63494
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chr11	114996769	115001880	AF251705	**1.61911**	8039
chr16	17070139	17086555	Ypel1	**1.25505**	15450
chr8	111912018	111933791	Tmem231	**1.80447**	22709
chr10	5811887	5823943	Mtrf1l	**2.17885**	24894
chr14	32959547	33185066	Wdfy4	**1.23128**	51961
chr7	127390836	127393621	E430018J23Rik	**2.0922**	19727
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chr10	58600788	58675696	Edar	**2.03414**	32631
chr12	87106866	87147902	Pomt2	**1.88323**	37623
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chr2	22774327	22875653	Apbb1ip	**1.16995**	12954
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chr1	192136898	192151025	Gm10516	**2.55856**	29132
chrX	157443954	157492046	Sms	**3.23963**	47690
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chr11	102905519	102925124	Kif18b	**1.85957**	27042
chr10	128232063	128252941	Timeless	**1.72852**	34020
chr7	99267447	99337137	Map6	**1.62755**	24342
chr6	3457089	3494498	Hepacam2	**1.92941**	18806
chr6	147032537	147033518	Rep15	**2.91729**	12488
chr4	153964449	153975081	Dffb	**1.76443**	15752
chr14	16430840	17082331	Rarb	**1.51949**	25011
chr7	28359604	28372662	Plekhg2	**1.63793**	37642
chr2	94406707	94411680	2810002D19Rik	**1.90349**	12297
chr4	19876838	19922566	Atp6v0d2	**1.75787**	19180
chr19	10718143	10738974	Cd5	**1.82558**	16465
chr16	93583461	93603815	Setd4	**1.95263**	15534
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chr7	29304005	29317586	Dpf1	**0.98226**	9754
chr4	57845248	57896984	Akap2	**1.54283**	46197
chr7	122169893	122186216	Ern2	**2.47652**	32095
chr8	83434492	83458396	Scoc	**2.67593**	24286
chr8	83165352	83272940	Tbc1d9	**1.27105**	32402
chr17	56775897	56831008	Rfx2	**2.2655**	33113
chr2	69670120	69684239	Klhl41	**5.45948**	60401
chr5	104525735	104554211	D930016D06Rik	**1.49789**	24871
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chr7	41372930	41393260	AI987944	**2.25577**	27651
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chrX	134295225	134305969	Tmem35	**1.44722**	12100
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chr2	121506723	121544859	Wdr76	**1.75998**	32560
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chr5	97082329	97111596	Paqr3	**1.5234**	9131
chr18	35656689	35662186	Spata24	**2.2848**	9651
chr4	45799022	45804608	Aldh1b1	**1.93328**	19400
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chr8	120736358	120756692	Irf8	**1.84785**	27653

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chr11	4091481	4095431	Mtfp1	**1.8763**	11418
chr15	60823992	60831400	9930014A18Rik	**2.44928**	40924
chr16	55966275	55971437	Rpl24	**1.80617**	5346
chr18	67800107	67885170	Cep192	**1.79971**	63491
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chr3	107888850	107896213	4933431E20Rik	**1.57823**	29569
chr12	4211672	4234294	Cenpo	**2.13248**	28315
chr8	68356781	68735146	Csgalnact1	**1.83555**	33982
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chr16	35770386	35828462	Hspbap1	**1.99345**	40025
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chr14	67676354	67715841	Cdca2	**1.84864**	31686
chr17	48346401	48352276	Trem2	**1.68109**	8398
chr7	31051678	31055656	Fxyd1	**4.87256**	15123
chrX	104482782	104506262	Uprt	**1.17301**	5686
chrX	73716597	73738287	Abcd1	**1.92102**	28480
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chr12	117516479	117756978	Rapgef5	**1.37653**	23924
chr3	28263214	28670585	Tnik	**2.01326**	62442
chr10	80016672	80031471	Hmha1	**1.40608**	24836
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chr7	24507087	24515682	Zfp428	**1.9775**	10577
chr5	143910001	143931756	Pms2	**1.78946**	25219
chr7	102083116	102083186	Trpc2	**1.46042**	452
chr15	11000721	11029233	Slc45a2	**1.53538**	19965
chr7	102015077	102018155	Il18bp	**2.14677**	13120
chr19	10842544	10857828	Slc15a3	**1.21559**	11965
chr17	29318882	29328902	Pi16	**4.59705**	44988
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chrX	150571507	150588149	Apex2	**1.87721**	15425
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chr8	45305802	45333196	Cyp4v3	**1.99205**	25443
chr11	83662584	83664683	Ccl4	**0.48661**	1400
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chr17	33333728	33358878	Zfp81	**1.55786**	15300
chr7	118597297	118675085	Tmc5	**2.44753**	45952
chr2	139678178	139758581	Ism1	**2.2524**	29112
chr2	18842256	18998121	Pip4k2a	**1.88585**	28534
chr8	79028437	79193766	Zfp827	**1.55601**	51577
chr10	77978650	77985438	1810043G02Rik	**2.20354**	16291
chr2	160770447	160872990	Zhx3	**1.38103**	26970
chr9	76014977	76136350	Hmgcll1	**2.65619**	41857
chr4	129608331	129614257	Dcdc2b	**2.11162**	7953

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chr7	140218267	140231145	Cd163l1	**1.27918**	19260
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chr10	30196009	30200540	Cenpw	**1.93748**	12770
chr17	35917889	35917969	Mir1894	**0.32853**	116
chr17	21383748	21399265	Zfp677	**2.54289**	32279
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chr9	99629595	99669256	Dzip1l	**1.52318**	26081
chr8	94472763	94527272	Nlrc5	**1.64883**	49917
chr10	67886105	67912662	Zfp365	**2.04172**	37888
chr12	70991615	71015823	3110056K07Rik	**2.15361**	14908
chr16	97791467	97851227	Prdm15	**1.63543**	45241
chr6	145808383	145817584	Rassf8	**1.36808**	10335
chr13	21831793	21832158	Hist1h4n	**0.49767**	794
chr17	25794571	25797045	Metrn	**1.68526**	10013
chr6	47835661	47868257	Zfp398	**1.49976**	22738
chr4	115784814	115812314	Atpaf1	**1.82577**	18544
chr1	169969409	169972306	3110045C21Rik	**1.8192**	8287
chr13	59449535	59557347	Agtpbp1	**1.94365**	51463
chr2	11705293	11733985	Il15ra	**1.97109**	17365
chr9	22071002	22086131	Gm16845	**2.07759**	11058
chr14	103650243	103704799	Slain1	**1.81543**	20449
chr1	97770179	97792971	Gin1	**2.23783**	19910
chr3	122729158	122859374	Pde5a	**1.5415**	44840
chr10	41718840	41809868	Cep57l1	**1.64662**	16789
chr10	69208552	69291784	Rhobtb1	**1.61217**	32496
chr2	180042483	180070201	Ss18l1	**1.89372**	36066
chr6	72368049	72380468	Vamp5	**2.37713**	17077
chr5	134600103	134615025	Lat2	**1.65137**	12036
chr17	57092023	57105942	Gm11110	**1.15149**	5150
chr5	124061857	124095798	Abcb9	**1.76958**	25718
chr16	36792884	36874826	Eaf2	**2.28906**	21653
chr5	124118689	124249760	Pitpnm2	**1.56009**	50046
chr11	58199556	58207592	Igtp	**3.40181**	29999
chr4	54947945	55083563	Zfp462	**1.20806**	55273
chr5	130255619	130341567	Tyw1	**2.09385**	60478
chr9	78230669	78242683	Gsta1	**1.86506**	7000
chr3	115881579	115888130	A930005H10Rik	**1.99099**	12194
chr13	51408618	51422797	S1pr3	**1.50923**	29500
chr16	36403946	36408363	Stfa2	**1.7029**	3140
chr5	100762148	100798600	Helq	**1.89904**	30530
chr5	47983155	48306282	Slit2	**2.67435**	99733
chr12	71136848	71243303	2700049A03Rik	**1.40432**	35279
chr15	75862339	75867404	Gsdmd	**2.78668**	21574
chr9	59734259	59750649	Senp8	**1.57435**	26662
chr10	127321964	127329881	Arhgap9	**1.62711**	17122
chr12	116207050	116263025	Wdr60	**1.61869**	26284

chr4	118554551	118620405	Cfap57	**1.32471**	22492
chr10	79689020	79695260	Gzmm	**1.74514**	9783
chr12	57303345	57457241	Mipol1	**1.93408**	10682
chr4	141614233	141618633	Tmem82	**1.31134**	9552
chr9	53437122	53536671	Atm	**1.58189**	82500
chr2	152411956	152415044	Zcchc3	**0.99485**	13396
chr13	112660766	112738752	Slc38a9	**1.37166**	53293
chr1	165648945	165708094	Rcsd1	**1.9501**	22697
chr8	94810453	94812036	Ccl17	**0.95421**	2138
chr9	15316998	15357788	5830418K08Rik	**1.8238**	57933
chr19	11067471	11081103	Ms4a8a	**3.68465**	17379
chr10	22645011	22703876	Slc2a12	**2.45592**	40232
chr2	158353700	158361509	9430008C03Rik	**1.89702**	26123
chr14	57582271	57664956	Xpo4	**1.35863**	20468
chr19	5474690	5481854	Efemp2	**1.95329**	15684
chr17	29695977	29717017	Ccdc167	**1.77932**	40201
chr1	127954179	128103047	Zranb3	**2.46315**	46213
chr4	46344194	46345309	Foxe1	**1.7014**	8277
chr13	45549756	45964991	Atxn1	**1.78033**	82318
chr7	58658202	58829426	Atp10a	**1.48783**	35470
chr9	37603294	37613720	Spa17	**2.09754**	6309
chr10	76761854	76961947	Pcbp3	**1.76593**	16743
chr6	8509600	8597549	Glcci1	**1.8064**	49199
chr17	35185095	35188440	Lst1	**2.50137**	4536
chr15	74721234	74724373	Them6	**2.63073**	17064
chr10	53537324	53630439	Mcm9	**2.26945**	38315
chr4	45018609	45034247	Polr1e	**2.05434**	32767
chr7	127296260	127335137	Itgal	**1.12461**	25600
chr1	83116766	83119167	Ccl20	**1.62184**	5670
chr1	152517530	152625111	Rgl1	**1.79149**	30355
chr1	20777146	20784270	Il17f	**1.49949**	7700
chr2	158306493	158332852	Lbp	**2.43976**	26854
chrX	73342620	73359079	Zfp275	**1.56545**	43510
chr2	84330627	84425266	Calcrl	**1.53437**	31677
chr1	194619829	194816868	Plxna2	**1.63066**	78440
chr5	140663505	140702378	Iqce	**1.46215**	27783
chr5	108660331	108685446	Idua	**1.81917**	34686
chr18	61639653	61647503	Gm20748	**2.31997**	6260
chr1	33719896	33742564	Rab23	**1.99417**	39005
chr15	78480549	78495066	Il2rb	**1.43964**	16919
chr1	134962565	134974179	Ube2t	**2.54623**	10611
chrX	162779091	162829454	Txlng	**1.61502**	38805
chr6	126923419	126939555	Rad51ap1	**2.27265**	18179
chr5	52783067	52819765	Zcchc4	**1.57553**	13214
chr13	21735096	21735407	Hist1h4j	**0.52204**	710
chr13	94356749	94358923	Gm9776	**1.99217**	18888
chr1	153503016	153549714	Npl	**1.79075**	10952

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chr15	76701542	76704239	Mfsd3	**1.67896**	12786
chr4	34024872	34050065	Spaca1	**1.1552**	6778
chr6	83743017	83758810	Atp6v1b1	**1.83403**	15406
chrX	53607922	53609134	Cxx1c	**1.12147**	4654
chr10	76545871	76562226	4930483K19Rik	**2.04057**	9331
chr11	69299496	69323873	Cntrob	**1.71036**	29450
chr8	94533028	94570529	Cpne2	**1.90498**	19116
chr1	171682055	171705257	Cd48	**1.75387**	8731
chr13	94057796	94195409	Lhfpl2	**0.97069**	18398
chr2	20968874	20970348	Gm13375	**1.82032**	10990
chr10	83487447	83534140	Aldh1l2	**1.23444**	32448
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chr6	119175253	119221614	Dcp1b	**1.86675**	26943
chr10	75948312	75949646	Vpreb3	**1.10129**	2890
chr7	48959073	49610088	Nav2	**1.39532**	73390
chr3	88532395	88541394	Mex3a	**2.10221**	52179
chr1	132356315	132391281	Tmcc2	**1.611**	23947
chr10	128296140	128298084	Il23a	**1.56936**	9297
chr2	80638812	80660071	Nup35	**2.09521**	26240
chr8	22787354	22805654	Ap3m2	**1.73961**	26291
chr14	63492347	63509092	Tdh	**1.04408**	8561
chr10	127070481	127071101	LOC100504703	**2.36933**	3398
chr14	57806561	57826163	Ska3	**1.88263**	18547
chr11	103774175	103818021	Wnt3	**1.55928**	21173
chr16	44347401	44388492	Spice1	**1.82143**	34475
chr6	123262107	123275268	Clec4d	**1.25536**	7311
chr7	45335269	45338972	Hrc	**5.61036**	59429
chr6	117933559	117937335	Fxyd4	**1.86669**	4508
chr7	16175325	16186503	Meis3	**2.20827**	17664
chr5	139380667	139396414	Gpr146	**1.45618**	26800
chr6	115134902	115282626	Syn2	**1.16817**	28771
chr2	38723374	38926461	Nr6a1	**1.31878**	36246
chr10	78042287	78063622	Dnmt3l	**0.86597**	10079
chr17	25188400	25234317	Unkl	**1.3782**	29408
chr11	120348678	120351190	0610009L18Rik	**2.18655**	5900
chr17	45555716	45563168	Nfkbie	**1.69451**	17883
chr18	44828665	44889720	Ythdc2	**2.03786**	55956
chr8	105703652	105708168	Enkd1	**1.67085**	9301
chr1	38175991	38627244	Aff3	**1.55438**	49131
chr11	5861866	5872179	Aebp1	**2.57234**	44920
chr9	99612502	99622367	A4gnt	**1.02154**	12277
chr3	36151080	36170341	D3Ertd254e	**1.49578**	43197
chr7	64346758	64374095	Fan1	**1.54482**	23401
chr6	83512909	83536251	Actg2	**5.46293**	31315
chr6	115583547	115592576	Mkrn2os	**1.6538**	18304

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chr9	59751174	59928866	Myo9a	**1.33603**	69736
chr2	164805114	164822127	Zswim3	**1.16868**	13699
chr5	24164963	24184008	Nupl2	**1.99278**	25270
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chr5	149678257	149762599	B3glct	**1.79922**	35631
chr2	156995062	157007075	Dsn1	**1.98263**	19731
chr16	20695057	20702965	Fam131a	**1.78298**	17099
chr4	129425765	129440818	Zbtb8b	**2.01076**	28820
chr2	128926268	128944020	Zc3h8	**2.09961**	14342
chr15	100614140	100615110	C330013E15Rik	**1.04433**	3997
chr8	122443656	122446476	9330133O14Rik	**1.50307**	16033
chr17	36881598	36890125	Trim40	**2.59475**	24850
chr11	35121456	35708507	Slit3	**1.56527**	34089
chr16	49699294	49765126	Ift57	**1.87623**	20774
chr15	53461801	53902436	Samd12	**1.9595**	7978
chr4	156034837	156050817	Ttll10	**1.76094**	17709
chrX	164373548	164402647	Figf	**1.63248**	13350
chr4	148006484	148038767	Clcn6	**1.21047**	15355
chr10	62340607	62349866	Hk1os	**1.08153**	2626
chr10	110941780	111010066	Zdhhc17	**1.69924**	33688
chr4	34949074	35157484	Mob3b	**1.43421**	37699
chr19	29047483	29048729	1700018L02Rik	**1.27304**	5677
chr6	135197987	135236240	8430419L09Rik	**1.92701**	35356
chr13	38345716	38499728	Bmp6	**2.42672**	25494
chr19	57452906	57491005	Trub1	**1.63821**	45668
chr19	46761609	46878580	Cnnm2	**1.51619**	22009
chr1	193104403	193130251	Diexf	**1.62484**	39296
chr11	5969666	6065748	Camk2b	**1.4691**	26660
chr10	82985497	83195891	Chst11	**1.52098**	36592
chr15	74669081	74672570	Arc	**1.35504**	18069
chr13	67173182	67183498	Rsl1	**1.80437**	16085
chr17	24639282	24650305	Slc9a3r2	**2.63788**	25953
chr1	178529125	178932857	Kif26b	**1.03293**	33347
chr3	151798610	151837528	Ptgfr	**1.84957**	35588
chr15	101754259	101763504	Krt74	**1.15611**	8008
chr19	46707443	46741095	As3mt	**2.19289**	16738
chrX	75404846	75416584	Mtcp1	**1.94888**	14884
chr3	146597149	146631483	Uox	**2.15549**	17317
chr15	100641082	100669500	Bin2	**1.05539**	9100
chr2	105536080	105670330	Pax6os1	**2.47329**	15784
chr8	105605229	105622218	Fam65a	**1.36747**	24458
chr9	78175914	78178882	C920006O11Rik	**1.87074**	11800
chr2	32777828	32784405	1700019L03Rik	**1.04397**	6808
chr11	73304988	73324637	Aspa	**4.13791**	27724
chr5	137865829	137871758	Pilrb2	**1.9543**	15394
chr12	15791727	15816785	Trib2	**2.56748**	46984

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chr6	115853528	115926699	Ift122	**1.70414**	30212
chr6	36846022	37299976	Dgki	**1.01685**	20381
chr3	89183225	89189289	Fam189b	**1.71658**	22890
chr17	53674787	53689315	Sgol1	**1.66608**	26211
chr10	63382443	63408840	Dnajc12	**2.25706**	13430
chr6	83671207	83677857	Cd207	**0.52478**	3500
chr3	142560052	142573212	Gbp3	**2.57414**	33349
chr18	67617397	67641336	Cep76	**1.67806**	29106
chr4	45034280	45084604	Fbxo10	**1.74041**	34914
chr9	64235201	64236362	Uchl4	**1.59911**	8100
chr15	31441210	31453689	Ropn1l	**2.2184**	8800
chr3	146852367	146982750	Ttll7	**1.63981**	43425
chr7	30434980	30445582	Aplp1	**1.76799**	18435
chr9	86307234	86464916	Ube2cbp	**2.14984**	17131
chr1	144244669	144249104	Rgs1	**1.27965**	7419
chrX	48411049	48463132	Elf4	**1.45865**	37178
chr7	90124836	90129936	2310010J17Rik	**2.71488**	6367
chr9	62122518	62122594	Mir5133	**1.53432**	515
chr2	66184327	66256617	Ttc21b	**1.57133**	30618
chr10	3973075	4167081	Mthfd1l	**1.63097**	30799
chrX	151047170	151086981	Fgd1	**1.34714**	17253
chr11	58214977	58222783	Irgm2	**2.33006**	35692
chr17	71019557	71126856	Myom1	**5.56575**	136182
chr9	44452715	44454767	Upk2	**0.94281**	3592
chr5	103605711	103629403	Slc10a6	**1.31626**	12187
chr18	67088298	67226782	Gnal	**1.84138**	45753
chr8	105329160	105347970	Fhod1	**1.98798**	34213
chr18	31437808	31447415	Syt4	**1.53925**	26175
chr2	127800200	127831859	Bub1	**1.90737**	36035
chr4	106651069	106655282	Pars2	**1.56966**	21054
chr5	43868827	43912374	Cd38	**2.43489**	31789
chr11	97627387	97629716	E130012A19Rik	**1.61458**	16399
chr1	135799421	135810989	Tnni1	**1.53766**	7467
chr5	124834432	124862221	Ccdc92	**1.5019**	14770
chr7	105558465	105581653	Apbb1	**1.31173**	18149
chr11	3983636	3999328	Gal3st1	**3.77723**	33639
chrX	73234076	73243130	Xlr4c	**2.84475**	15166
chr7	30973804	30989725	Fam187b	**2.17425**	25268
chr16	50726751	50732773	5330426P16Rik	**1.22335**	9071
chr3	89391864	89398779	Gm15417	**2.13075**	14564
chr8	125669818	125673365	Map10	**1.35017**	20882
chr4	154170713	154275721	Megf6	**1.11435**	33401
chr5	142871789	142895238	Fbxl18	**1.15196**	14216
chr16	22381313	22439570	Etv5	**1.2715**	21184
chr13	67667441	67683512	Zfp738	**1.72052**	33780
chr6	87458545	87533259	Arhgap25	**1.41064**	26214

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chr7	24291046	24299549	Zfp61	**2.10333**	21519
chr13	13784539	13827895	Gng4	**0.94296**	12200
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chr1	136624901	136630391	Zfp281	**1.71332**	39397
chr4	45184906	45285936	Frmpd1	**1.2099**	25379
chr2	136892263	137068393	Slx4ip	**1.55858**	10558
chr10	84917613	85018337	Ric8b	**2.02274**	43752
chr5	112910478	113015538	Adrbk2	**1.31823**	37926
chr11	97923237	97986446	Plxdc1	**1.56547**	19824
chr1	164796732	164824266	Dpt	**5.88497**	41969
chr10	39732160	39875205	Rev3l	**1.50182**	69820
chr11	58948911	58949372	Hist3h2ba	**0.90321**	1819
chr6	108065045	108077127	Setmar	**1.99503**	15393
chr19	42074939	42086370	Morn4	**1.51588**	12000
chr4	43507026	43513725	Car9	**1.25182**	10690
chr16	14194527	14291408	Myh11	**4.83386**	139746
chr9	20868642	20874307	A230050P20Rik	**1.65028**	10208
chr13	96416134	96471160	Ankdd1b	**1.43773**	20776
chr4	12906837	12981485	Triqk	**2.74718**	17975
chrX	134537258	134541629	Timm8a1	**2.26804**	11696
chr6	92370892	92706184	Prickle2	**1.20027**	45394
chr6	55336299	55348555	Aqp1	**5.67489**	68276
chr7	127132232	127137823	Spn	**1.30923**	26795
chr9	96943482	97018355	Spsb4	**1.2833**	12486
chr4	96568429	96591485	Cyp2j9	**2.56591**	21744
chr11	120064430	120086827	Cep131	**1.37007**	21369
chr6	61180325	62382863	Ccser1	**1.36561**	33348
chr19	38836579	38919923	Tbc1d12	**2.12158**	38926
chr6	81923669	81956955	Gcfc2	**2.10793**	20491
chr5	43662379	43740970	Cc2d2a	**1.44921**	34423
chr16	75858794	75909266	Samsn1	**1.66115**	13360
chr2	25293657	25298928	Grin1os	**2.04439**	14143
chr10	91083039	91102613	Ikbip	**2.17051**	38887
chrX	7878306	7883432	Pim2	**1.77891**	15827
chr4	43496144	43499660	Arhgef39	**1.54896**	10952
chr16	90751527	90810413	Urb1	**1.32901**	42668
chr3	79629079	79632819	4930579G24Rik	**1.70101**	14600
chr7	44303766	44306959	Clec11a	**2.34552**	19999
chr5	134184038	134218143	Gtf2ird2	**1.77807**	26880
chr1	88258856	88277220	Hjurp	**1.34562**	10793
chr14	51984833	52006074	Arhgef40	**1.51656**	34780
chr3	137623672	137628332	Ddit4l	**2.64618**	31387
chr7	118712611	118737018	Ccp110	**1.80609**	39428
chr14	99099424	99254494	Pibf1	**1.79006**	23066
chr19	10245265	10304877	Dagla	**1.08199**	26573
chr6	148921059	148946432	Fam60a	**1.86749**	21475

chr5	33378696	33419754	Uvssa	**1.83215**	58510
chr13	63300484	63300557	Mir23b	**1.50042**	484
chr4	115299046	115332815	Cyp4a12a	**0.81456**	8600
chr6	123281789	123289871	Clec4e	**0.82682**	9079
chr7	30565427	30567962	Igflr1	**1.31413**	6794
chr4	41495601	41503075	AI464131	**1.49257**	27164
chr14	48120869	48260883	Peli2	**1.71768**	43795
chr17	35251379	35251405	Mir8094	**1.22348**	144
chr8	84815405	84832265	Dand5	**1.3274**	9721
chr17	75005529	75392967	Ltbp1	**2.8119**	99739
chr2	92382918	92383603	1700029I15Rik	**2.14656**	3406
chr2	60251993	60284484	Cd302	**2.55113**	15013
chr17	35113946	35115400	Ly6g5b	**0.98617**	4531
chr8	47180048	47352348	Stox2	**1.4575**	68865
chr3	79885930	79946278	Fam198b	**1.48113**	42787
chr5	151037515	151190193	Stard13	**1.30749**	32134
chr11	53950824	53980027	Slc22a21	**2.01739**	20200
chr2	48949508	49317069	Mbd5	**1.52667**	42359
chr1	87574027	87597840	Neu2	**1.48149**	13000
chr13	67471513	67484253	Zfp874b	**1.97018**	32395
chr5	37299171	37336881	Evc	**1.53847**	28918
chr17	47630690	47684067	Usp49	**1.56805**	38148
chrX	74329066	74344689	Plxna3	**1.30297**	39435
chr2	21205724	21215009	Thnsl1	**1.75785**	29877
chr11	32533266	32624595	Stk10	**1.40545**	31080
chr19	17326141	17372844	Gcnt1	**1.79991**	37057
chr11	95842668	95845731	Gngt2	**1.08152**	3385
chr2	128967402	129018563	Zc3h6	**1.5649**	33535
chr1	120226416	120271082	Steap3	**1.35569**	18775
chr7	127091436	127094049	AI467606	**1.344**	11237
chr1	131797395	131818115	Pm20d1	**1.39365**	21506
chr4	8141493	8239041	Car8	**1.60863**	40124
chr2	30078766	30090943	Pkn3	**1.45629**	18124
chr5	138441476	138460694	Zfp157	**1.66776**	38560
chr12	87166242	87200229	Tmed8	**1.51079**	47279
chr19	11586606	11604804	Ms4a6d	**1.08962**	6512
chr8	85109167	85123095	Zfp791	**1.42491**	14485
chr2	180257536	180257611	Mir3091	**2.06463**	684
chr7	28437447	28446895	Gmfg	**1.19512**	5788
chr13	75869537	75943824	Rhobtb3	**1.62213**	34910
chr13	100669481	100697024	Ccdc125	**1.25798**	13649
chr1	93373896	93404304	Ano7	**1.51369**	26519
chr17	84190056	84466208	Thada	**1.2306**	42357
chr1	140085855	140183411	Cfh	**3.35417**	63822
chr7	98494222	98501830	Lrrc32	**0.97989**	16300
chr19	5651185	5663707	Sipa1	**1.26723**	21367
chr8	53586867	53639065	Neil3	**1.65622**	16266

chr16	22918382	22939768	Fetub	**3.45763**	26889
chr14	77904239	78002656	Epsti1	**1.69628**	13820
chr4	57908384	57916264	D630039A03Rik	**1.53278**	19350
chr16	33684466	33768195	Heg1	**1.2131**	25277
chr2	143826528	143863173	Bfsp1	**1.5418**	15942
chr8	120608602	120634382	1190005I06Rik	**1.92805**	6169
chr5	76875935	76905514	Aasdh	**1.4664**	23613
chr7	92741714	92837117	Rab30	**1.53177**	12867
chr8	71882068	71892565	Zfp709	**1.51879**	26317
chr6	91013067	91116826	Nup210	**1.1958**	36671
chr12	3365132	3403882	Kif3c	**1.43944**	26586
chr10	33083483	33476709	Trdn	**4.61626**	90835
chr4	150920155	150946102	Tnfrsf9	**1.8911**	18309
chr16	96200470	96228933	Sh3bgr	**4.72855**	27229
chr1	55237177	55240058	Mars2	**1.84151**	23135
chr4	32417435	32586108	Bach2	**1.07389**	37904
chr15	98771752	98778150	Wnt10b	**1.91516**	18592
chr12	44328885	44601846	Nrcam	**1.1258**	37204
chrX	133936385	133981812	Sytl4	**1.5765**	34629
chr4	120161424	120167360	Edn2	**3.0123**	16335
chr9	64175432	64175522	Snord16a	**1.36885**	543
chr3	88777057	88829371	5830417I10Rik	**1.37774**	56256
chr5	143329308	143332704	0610040B10Rik	**1.8248**	3500
chr15	9506159	9529876	Il7r	**0.95499**	13363
chr8	65085615	65129537	BC030870	**3.50091**	22571
chr12	102283074	102390854	Rin3	**0.91601**	16000
chr19	6164458	6172475	Batf2	**1.84509**	11027
chr10	115450314	115587780	Lgr5	**1.59701**	32796
chr11	89037582	89060748	Dgke	**1.41351**	32090
chr17	35394099	35395630	H2-Q5	**1.55163**	7988
chr8	111311800	111337903	Mlkl	**2.63436**	19545
chr11	117782297	117793137	Tmc8	**1.45855**	18451
chr7	19302696	19310045	Fosb	**1.37794**	22681
chr2	167065293	167065358	Snord12	**3.83728**	1104
chr1	93512104	93620644	Farp2	**1.08572**	14951
chr8	106415339	106425889	Zfp90	**2.03307**	23326
chr7	27838584	27856774	Zfp59	**1.35992**	22503
chr7	141210056	141214080	Lmntd2	**1.78436**	15821
chr2	69380462	69403086	Dhrs9	**1.42121**	17452
chr19	3259076	3283010	Ighmbp2	**1.41354**	34272
chr9	74110334	74283203	Wdr72	**3.00699**	68397
chr7	125444620	125462268	Kdm8	**1.45029**	15451
chr15	101884351	101892920	Krt76	**0.6767**	6820
chr11	69784036	69795937	Chrnb1	**1.48391**	13901
chr15	85037062	85062830	Fam118a	**1.83135**	20317
chr6	134869092	134897925	Gpr19	**1.25928**	13202
chr14	51056698	51057242	Rnase12	**1.92572**	4575

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chr8	92326031	92356120	Crnde	**1.87096**	11255
chr3	92014583	92031584	Pglyrp3	**0.90851**	4392
chr9	88723288	88731850	Bcl2a1d	**1.38276**	4798
chr17	24549950	24595815	Pkd1	**1.23649**	72609
chr9	116572747	117629913	Rbms3	**1.42523**	51038
chr7	30539134	30552272	Proser3	**1.58563**	17045
chr13	91853387	91876885	Ckmt2	**4.46996**	28955
chr15	76626237	76639929	Tonsl	**1.70975**	31355
chr16	58470541	58523312	St3gal6	**2.30411**	16000
chr5	146845071	146847726	Rasl11a	**2.07155**	10168
chr5	104079109	104114088	Sparcl1	**3.91479**	53175
chr13	108654177	109955969	Pde4d	**1.62766**	50014
chr7	29908517	29916813	Zfp383	**1.60083**	18283
chr12	65132735	65172580	Mis18bp1	**1.59965**	28004
chr19	40831279	40848570	Ccnj	**1.76509**	29369
chr14	67751928	67933572	Dock5	**1.2449**	56085
chr5	90786101	90788093	Cxcl3	**1.41923**	6298
chr15	103453825	103498800	Nckap1l	**0.95491**	19635
chr12	85824950	86053760	Ttll5	**1.47167**	31056
chr8	4257646	4259274	Ctxn1	**2.25923**	12074
chr7	114550163	114562972	Cyp2r1	**0.77476**	5505
chr11	36006656	36944241	Tenm2	**1.4371**	61261
chr8	116921740	116941503	Cenpn	**1.63839**	12627
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chr13	55473428	55488076	Dbn1	**1.60861**	21345
chr3	96525185	96529216	Hfe2	**4.20315**	37029
chr16	43889902	43964314	2610015P09Rik	**1.57692**	25042
chr13	49036302	49148328	Wnk2	**1.68831**	63940
chr13	113093827	113100981	Gzma	**1.75083**	6701
chr1	57985340	58026277	Sgol2	**1.76173**	41593
chr16	17572018	17576671	Slc7a4	**1.5285**	21528
chr8	76902508	77243639	Nr3c2	**1.42744**	25431
chr6	54039932	54301812	Chn2	**1.44294**	17939
chr15	78244811	78262580	Ncf4	**1.51542**	9605
chr2	152393612	152398046	Sox12	**1.16191**	22463
chr9	44981786	44987052	Cd3d	**1.52993**	8870
chr8	121950492	122029260	Banp	**1.39966**	33545
chr7	19094544	19098345	Six5	**1.57824**	19628
chr2	131299189	131352892	Rnf24	**1.03165**	21874
chr2	129798369	129801403	4932416H05Rik	**1.9838**	23392
chr18	65547427	65706444	Mir3473f	**1.32711**	619
chr1	182764906	182895654	Susd4	**1.4914**	13230
chr11	115307163	115332303	Otop2	**1.4443**	14701
chr1	60180599	60334705	Nbeal1	**1.35215**	71367
chr9	67217085	67559703	Tln2	**1.32985**	70341

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chr10	82048127	82061586	Zfp873	**1.41153**	14152
chr7	27176006	27176093	Mir3101	**1.96817**	755
chr3	79813153	79842662	Tmem144	**1.6915**	16900
chr7	45233632	45239115	Cd37	**1.13506**	6838
chr5	137787802	137819576	Zcwpw1	**0.86137**	6571
chr7	41478874	41499890	AW146154	**1.66265**	24722
chr17	56119678	56121946	Lrg1	**1.76333**	10400
chrX	152781921	152808646	Gpr143	**1.23664**	8900
chr12	36381450	36689503	Ispd	**1.71215**	22204
chr6	55837018	55978598	Ccdc129	**2.6922**	38540
chr9	105395392	105405756	Aste1	**1.50566**	18535
chr5	110099969	110105952	Plcxd1	**0.76054**	8895
chr3	41742615	41758941	D3Ertd751e	**1.6006**	27316
chr7	141194130	141210042	Lrrc56	**1.79803**	20496
chr6	129014112	129020527	Clec2f	**2.73887**	7844
chr16	4594713	4615957	Glis2	**1.65393**	26092
chr7	24193215	24208149	Zfp111	**1.44314**	44879
chr5	128579130	128600687	5930412G12Rik	**1.92851**	20218
chr6	86483376	86488227	2310040G24Rik	**2.32676**	7678
chr15	54838679	54920146	Enpp2	**2.72531**	43861
chr7	45367949	45370564	Lin7b	**2.21384**	6350
chr7	12478305	12496235	Zfp606	**1.63551**	33765
chr11	83223576	83226584	AI662270	**1.15435**	7085
chr17	21879570	21909926	2210404O09Rik	**1.78595**	17291
chr9	36708482	36726658	Chek1	**1.3544**	20056
chr7	128246812	128255699	Tgfb1i1	**1.44506**	24567
chr13	92844787	92858230	Mtx3	**1.4888**	40724
chr11	68691915	68816624	Myh10	**1.05511**	35797
chr8	18595173	18803188	Mcph1	**1.4978**	30158
chr5	90772435	90773383	Pf4	**2.37986**	6100
chr7	81213804	81333622	Pde8a	**1.2226**	14299
chr7	66689889	66717256	Lins	**1.54816**	35282
chr15	87544299	87759364	Fam19a5	**1.27488**	16900
chr5	74195326	74199477	Rasl11b	**1.55483**	11983
chr4	155086577	155145507	Morn1	**1.08417**	7850
chr2	14995131	15054872	Nsun6	**1.52541**	31758
chr6	14901349	15441977	Foxp2	**2.41038**	74307
chr10	76459567	76468970	Ybey	**1.42795**	22695
chr11	115334734	115346926	Otop3	**0.7546**	7967
chr17	35897598	35910068	Atat1	**1.37004**	14829
chrX	59062146	59585572	Fgf13	**1.23186**	16856
chrX	94724569	94730191	Zxdb	**1.39514**	34197
chrX	48146527	48161563	Sash3	**1.24307**	14002
chr14	56526761	56571846	Cenpj	**1.58868**	30215
chr2	120716154	120731517	Cdan1	**1.52213**	42359
chr17	46303272	46328023	Abcc10	**1.40619**	29515

chr13	67069398	67081545	Zfp708	**1.55619**	16620
chr13	63300712	63300784	Mir27b	**2.9351**	934
chr10	70204667	70219711	2310015B20Rik	**1.13925**	2200
chr9	44134658	44142726	Mcam	**2.34678**	29585
chr1	132506230	132508639	Tmem81	**1.30254**	9891
chrX	134717938	134721912	Armcx1	**1.02249**	10987
chr11	75769090	75796057	Doc2b	**0.89632**	16586
chr11	70764447	70772928	Zfp3	**1.30809**	10395
chr8	106683068	106851439	Tango6	**1.42496**	27387
chr17	46428942	46431771	Crip3	**0.65065**	2876
chr15	100479570	100495239	Csrnp2	**1.6195**	29128
chrX	73894429	73911298	Arhgap4	**1.28696**	18199
chr8	72319062	72321654	Klf2	**1.84432**	14600
chr9	75306288	75345923	Gnb5	**1.4948**	17248
chr2	75979106	75981967	Ttc30a1	**1.29851**	16200
chr15	102296293	102324356	Espl1	**1.11819**	32317
chr9	123962126	123968692	Ccr1	**1.23153**	15198
chr10	97565501	97572703	Lum	**5.28434**	47798
chr5	135072900	135078266	Vps37d	**1.71978**	11575
chr10	45335762	45369708	Bves	**1.80353**	12634
chr11	87853225	87863679	Mks1	**1.68381**	17359
chr1	163955337	163994781	BC055324	**1.39297**	15654
chr7	27195781	27205386	BC024978	**1.43396**	16496
chr1	87476829	87573870	Ngef	**1.74974**	25811
chr3	9427010	9610085	Zfp704	**1.15913**	69951
chr2	11172382	11301226	Prkcq	**1.59239**	22997
chr19	23687400	23721129	Ptar1	**1.103**	9924
chr17	85090700	85458580	Camkmt	**2.12664**	13340
chrX	107397195	107403360	Itm2a	**2.74089**	19499
chr4	47015689	47057306	Anks6	**1.46264**	22647
chr15	99422034	99457748	Nckap5l	**1.21923**	25798
chr15	9111982	9155425	Skp2	**1.38926**	20657
chr1	131128441	131138234	Dyrk3	**1.35737**	12260
chr15	10486018	10499063	Rad1	**1.35352**	27601
chr2	29869494	29882840	Cercam	**1.22441**	14491
chr4	104913456	105016863	1700024P16Rik	**1.73608**	24656
chr10	7663585	7664623	A630066F11Rik	**1.30046**	5890
chr7	128265697	128271250	Slc5a2	**1.06861**	7728
chr5	129908540	129911281	Nupr1l	**0.96583**	2644
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chr7	80232893	80241420	Gdpgp1	**1.40692**	21588
chr9	107950963	107972268	Traip	**1.50707**	17718
chr9	64811011	64919667	Dennd4a	**1.2185**	45972
chr2	110655201	110950244	Ano3	**1.12782**	29326
chr1	74565182	74588028	Zfp142	**1.22537**	37813
chr1	175682238	175688353	Chml	**1.59764**	42594
chr1	133910304	133921401	Prelp	**1.67498**	26300

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chr11	46193849	46312859	Cyfip2	**1.14431**	35062
chr7	27959800	27979157	Zfp780b	**1.31098**	31494
chr11	116124708	116131128	Trim65	**1.60394**	21325
chr7	4792965	4794547	Rpl28	**1.64698**	3561
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chr14	103814615	103844476	Ednrb	**1.59423**	30265
chr7	89404366	89410110	Fzd4	**1.55745**	25018
chr15	78913919	78919517	Pdxp	**1.26109**	11000
chr18	35671105	35703144	Dnajc18	**1.60231**	36090
chr19	12798609	12833808	Lpxn	**1.28126**	9344
chr9	70031496	70038088	Gcnt3	**1.53077**	28700
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chr4	148152799	148160094	Fbxo44	**1.67283**	15678
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chr3	95124514	95129208	Tmod4	**3.95752**	21409
chr15	55557408	55626423	Mtbp	**1.34307**	26059
chr7	28267881	28269168	Eid2	**0.98743**	5544
chr15	54250619	54278484	Tnfrsf11b	**1.77401**	21792
chr13	104228845	104249622	Cenpk	**2.13012**	18181
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chr17	71557027	71598761	Trmt61b	**1.57981**	18525
chr12	64917911	64924591	Gm527	**1.28108**	8170
chr7	51860577	51862267	Fancf	**1.29176**	9522
chr16	13903161	13949619	Mpv17l	**1.42227**	22115
chr4	24496462	24602948	Mms22l	**1.34184**	26117
chr15	5097439	5108533	Card6	**1.69857**	33549
chr15	8634124	8710807	Slc1a3	**1.40931**	25839
chr17	33810523	33822914	Kank3	**1.56924**	18018
chr15	57912199	57970068	Tbc1d31	**1.09831**	20137
chr11	117828079	117839908	Afmid	**1.69118**	16543
chr6	115954811	115995005	Plxnd1	**1.15641**	34818
chr15	94522640	94543507	Pus7l	**1.76966**	21970
chr9	22055460	22071345	Zfp653	**1.41592**	12295
chr5	134656039	134688590	Limk1	**1.37856**	19969
chr3	108202228	108210527	Atxn7l2	**1.36918**	15703
chr8	46575594	46617200	Primpol	**1.32403**	15745
chr6	13871569	13896421	1110019D14Rik	**1.3023**	8504
chr1	136131401	136178014	Kif21b	**1.40703**	55931
chr13	47012557	47014850	Nhlrc1	**1.51002**	15100
chr5	120847367	120857986	Oas1f	**0.73982**	4773
chr2	152911352	152923065	Mylk2	**3.23685**	41596
chr6	136697284	136781742	Gucy2c	**1.00224**	17196
chr6	117168535	117181368	Cxcl12	**1.37605**	34011
chr13	64248700	64268145	1810034E14Rik	**1.59984**	12567
chr1	60102627	60153953	Carf	**1.466**	36560
chr5	37820491	37824585	Msx1	**1.59686**	5527

chr8	4325210	4360020	Ccl25	**0.98279**	5458
chr7	3154659	3169203	AU018091	**1.35679**	20393
chr17	29135056	29148976	Rab44	**1.22726**	21961
chr14	75842918	75844964	Gm4285	**1.66624**	9900
chr4	138775735	138782143	Pla2g2d	**0.88154**	8700
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chr3	106201491	106219479	Chil4	**10.41291**	68541
chr9	59966931	60511035	Thsd4	**1.30785**	51481
chr2	109280738	109341746	Kif18a	**1.66624**	24463
chr9	83391355	83441127	Lca5	**1.6536**	34470
chr10	80179482	80190010	Efna2	**1.26123**	11716
chr12	116485720	117278167	Ptprn2	**1.70609**	34865
chr4	126556980	126593903	Clspn	**1.31186**	28490
chr15	59788417	59794959	Gm19510	**1.1819**	9588
chr10	75550125	75560330	Lrrc75b	**1.61514**	32394
chr19	45792346	45816063	Kcnip2	**0.79568**	8640
chr16	45746231	45844378	Phldb2	**1.45855**	36101
chrX	20703909	20720539	Usp11	**1.20125**	18139
chr5	5736322	5749317	Steap1	**1.39585**	7399
chr7	56239771	56536517	Oca2	**1.00849**	13716
chrX	82948870	85205050	Dmd	**1.62218**	97952
chr11	102057017	102088515	Mpp2	**1.04912**	18691
chr4	101496648	101642799	Dnajc6	**1.89097**	46128
chr19	6925690	6934515	Kcnk4	**0.81051**	6130
chr5	121598281	121618938	Acad12	**1.46354**	15152
chr15	75616684	75625300	Zfp41	**1.1855**	19343
chr2	26637176	26640244	Snhg7	**2.01918**	6531
chr7	31162358	31170641	Gm10640	**1.53583**	7592
chr13	8952863	8960935	Idi2	**1.50283**	14694
chr10	82224856	82241275	Zfp938	**1.47051**	13019
chr13	23575763	23576266	Hist1h3d	**1.01229**	2224
chr7	29983955	30028282	Zfp568	**1.17537**	36803
chr14	69767472	69784411	Tnfrsf10b	**1.2225**	16941
chr7	45082914	45092213	Rcn3	**2.45317**	15538
chr9	45399709	45410278	Fxyd2	**0.84746**	3757
chr17	81026327	81065085	Thumpd2	**1.38272**	11187
chr11	43528749	43586999	Ccnjl	**1.1023**	13017
chr7	12803780	12818860	Zfp329	**1.2952**	44778
chr17	46500609	46546388	Cul9	**1.21498**	41544
chr2	130417684	130424641	Pced1a	**1.63302**	20772
chr1	192512828	192771219	Hhat	**1.28757**	15912
chr11	75348433	75405705	Smyd4	**1.51515**	23229
chr4	112613740	112652248	Skint2	**0.50336**	2802
chr2	23116544	23156024	Mastl	**1.63713**	33199
chr17	35016579	35026693	Vwa7	**1.32805**	21883
chr2	178023284	178035859	Etohi1	**2.02766**	29566
chr13	65278854	65297795	Zfp369	**0.78304**	9793

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chr3	138143538	138159820	Trmt10a	**1.23139**	21117
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chr17	24727829	24736149	Rpl3l	**3.25047**	22600
chr11	83525779	83530518	Ccl5	**1.33926**	3100
chr4	117096356	117114831	Ptch2	**1.43588**	22214
chr10	128933813	128958276	Itga7	**1.3962**	24418
chrX	20870166	20874737	Timp1	**1.77723**	6895
chr10	86685527	86689954	1810014B01Rik	**1.54776**	10930
chr4	152158867	152162469	Hes2	**1.25443**	14119
chr12	110807798	110840939	Mok	**1.64606**	12148
chr7	120659354	120670250	Pdzd9	**1.5282**	8840
chr14	76532812	76556889	Serp2	**1.43657**	5636
chr8	31818028	31918203	Nrg1	**1.36518**	12515
chr13	119488860	119610459	Gm7120	**1.15281**	4578
chr19	28262448	28680077	Glis3	**1.08505**	18527
chr1	92973119	92986391	Gpr35	**0.85697**	16803
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chr17	57105385	57107757	Tnfsf9	**0.89654**	4807
chr7	51879145	51994458	Gas2	**1.40884**	13124
chrX	20549818	20562087	Rgn	**2.59295**	17791
chr5	110274286	110286168	Pxmp2	**1.9246**	8549
chr1	172521130	172545870	Cfap45	**1.16603**	9261
chr4	147909753	147936776	Plod1	**1.6734**	23722
chr8	72443880	72460482	1700030K09Rik	**1.34522**	13886
chr1	183086264	183221529	Disp1	**1.04725**	23775
chr8	72424183	72443778	Calr3	**0.74781**	6073
chr2	145242611	145641939	Slc24a3	**1.17597**	17542
chr4	130530131	130574036	Nkain1	**1.03016**	11460
chr8	67689082	67974574	Psd3	**1.36178**	70065
chr10	128494157	128498685	Myl6b	**1.42203**	6360
chr5	3890581	3893933	Mterf1a	**1.08349**	6499
chr1	40681712	40768885	Slc9a2	**1.25485**	19107
chr7	24134163	24143241	Zfp235	**1.65998**	24979
chr6	54681624	54703855	Mturn	**1.58196**	36597
chr11	105292646	105351145	Mrc2	**0.91065**	23028
chr6	146805530	146833529	Arntl2	**2.12209**	24264
chr1	120121187	120188189	3110009E18Rik	**1.41918**	6737
chr17	32390661	32399429	Rasal3	**0.98175**	13485
chr3	116603462	116630986	Sass6	**1.1014**	19027
chr2	3513065	3526376	Cdnf	**1.24919**	16407
chr17	78508063	78627409	Vit	**1.82831**	21678
chr18	44334074	44355722	Myot	**5.0374**	48463
chr5	115102922	115110268	Gm13826	**1.58419**	5200
chr4	134537892	134552166	Sepn1	**1.51233**	22711
chr4	136979732	137048695	Zbtb40	**1.10995**	34798
chr9	4309743	4331732	Kbtbd3	**1.74303**	18433

chr8	126298579	126395977	Slc35f3	**1.11973**	13584
chr2	25372035	25378213	Sapcd2	**1.30659**	19405
chr3	10331734	10335656	Slc10a5	**1.09134**	18663
chr4	116720955	116804002	Tesk2	**1.85638**	22545
chr4	119300010	119320523	Ppih	**1.32456**	14406
chr14	25696356	25701282	Ppifos	**0.94881**	6721
chr4	132310703	132310758	Snord99	**2.10969**	515
chr9	20345136	20385158	Zfp560	**1.54789**	31929
chr19	7417625	7425894	2700081O15Rik	**1.4775**	32068
chr2	153108468	153151441	Hck	**0.85949**	7838
chr2	4990724	5012791	Mcm10	**1.2734**	19395
chrX	159988433	160121758	Map3k15	**0.85213**	13911
chr15	98877760	98881414	Rhebl1	**1.26635**	6696
chr12	55080496	55115367	Srp54a	**1.09321**	20320
chr6	25668523	25689980	Gpr37	**1.20063**	16774
chr9	35560821	35570069	Hyls1	**1.69588**	12146
chr17	24878770	24882008	Igfals	**1.01661**	9355
chr13	50417877	50433769	Fbxw17	**1.29519**	10078
chrX	164980592	164997272	Fancb	**1.29175**	16645
chr7	44470347	44470411	Mir7052	**1.64817**	467
chr3	80843599	80913614	Glrb	**1.45227**	18859
chr9	89728249	89738475	Ankrd34c	**0.62657**	6760
chr17	47140942	47359458	Trerf1	**1.32219**	25844
chr19	44989344	45003395	Sema4g	**1.08453**	20343
chr17	21650611	21664966	3110052M02Rik	**1.28659**	24492
chr1	58652641	58655831	Gm20257	**2.35457**	9607
chr16	38742259	38769054	B4galt4	**1.28412**	12953
chr19	46348201	46348988	2310034G01Rik	**1.4754**	5068
chr7	142575532	142578146	H19	**1.58815**	17522
chr1	107078193	107083480	Serpinb3d	**0.61056**	3098
chr5	113612355	113650390	Cmklr1	**0.91721**	11375
chrX	166170480	166190512	Gemin8	**1.30095**	10412
chrX	50892645	50942710	Frmd7	**1.65923**	33611
chr12	119162803	119238276	Itgb8	**0.79476**	10726
chr4	43381982	43427019	Rusc2	**0.98796**	23286
chr16	3979106	4001678	Slx4	**1.6073**	40084
chr4	147868979	147870358	Fv1	**1.92349**	11571
chr8	123104975	123105043	Mir7079	**0.49205**	148
chr15	100575318	100586365	Pou6f1	**1.54319**	30776
chr1	93235897	93296448	Sned1	**0.87068**	16958
chr10	127525473	127534559	Nxph4	**1.32835**	9699
chr4	63414910	63495991	Whrn	**1.01294**	19455
chr2	125086271	125123660	Myef2	**1.78851**	21900
chr13	67339309	67360572	Zfp953	**1.40583**	28441
chr4	154316125	154636873	Prdm16	**1.56218**	58598
chr1	86666293	86670573	Nppc	**0.92466**	4200
chr12	81026808	81186414	Smoc1	**1.24334**	18948

chr10	19712587	19760053	Il20ra	**1.76172**	16035
chr5	21662903	21701345	Napepld	**1.27917**	20481
chr4	99765402	99829118	Itgb3bp	**1.56703**	18703
chrX	6168696	6172991	Nudt10	**0.99805**	7618
chr2	127575533	127584677	Zfp661	**1.21471**	15827
chr1	191063021	191084558	Nsl1	**1.25064**	16208
chr11	59248042	59290751	Wnt3a	**1.34715**	16155
chr1	88103257	88107799	Ugt1a6b	**1.51462**	6477
chr11	107028223	107030442	1810010H24Rik	**2.33578**	11190
chr7	4751792	4753094	Cox6b2	**0.80942**	1990
chr10	121034004	121100642	Wif1	**2.77084**	27080
chr3	100471536	100489192	Fam46c	**1.8428**	16299
chr14	14346495	14355490	Il3ra	**1.22995**	7474
chrX	164192842	164258193	Bmx	**2.5287**	33124
chr5	4803385	5380251	Cdk14	**1.2211**	26141
chr7	84689640	84776549	2610206C17Rik	**1.07193**	8023
chr11	101325063	101329694	Aoc2	**0.94937**	10491
chr2	57998155	58039171	Galnt5	**1.26514**	17907
chr2	34943258	34961772	Traf1	**0.99921**	10127
chr11	45928269	45944935	Lsm11	**1.32487**	37268
chr2	28447941	28455508	Ppp1r26	**0.9558**	22774
chrX	134308163	134362639	Cenpi	**1.43078**	19634
chr10	88322804	88357075	Dram1	**1.08735**	13305
chr19	41549639	41559781	Lcor	**0.82768**	16824
chr17	33555707	33607764	Myo1f	**0.93599**	15639
chr4	126322121	126325199	Tekt2	**1.23362**	8034
chr15	74796874	74799968	Ly6k	**1.16927**	3940
chr18	35650351	35655199	Prob1	**1.54304**	32616
chr4	147821777	147822202	Rps19-ps3	**1.56382**	2904
chr4	116819907	116821508	Hpdl	**1.25685**	8777
chr10	100488289	100572142	Cep290	**1.16094**	36589
chrX	8892353	8894964	B630019K06Rik	**1.6247**	18499
chr11	46454931	46481254	Havcr2	**0.94296**	11197
chr2	29194821	29228221	Ntng2	**1.11578**	7573
chr16	16416915	16599978	Fgd4	**1.31616**	54166
chrX	21026184	21062038	Zfp182	**1.34076**	34740
chr10	127078907	127093170	Agap2	**0.99966**	24551
chr17	25719103	25727415	Chtf18	**0.90332**	11943
chr12	112760655	112768986	Pld4	**1.65859**	14301
chr17	94750100	94775129	2700099C18Rik	**1.72638**	8993
chr8	116568724	116732991	Cdyl2	**1.15524**	40725
chr13	12269427	12340732	Actn2	**3.91692**	50950
chr16	18127706	18152408	Rtn4r	**0.96707**	7900
chr10	121780991	122047315	Srgap1	**1.33629**	45558
chr18	37485021	37488290	Pcdhb17	**1.85999**	26513
chr1	64035671	64121389	Klf7	**0.78402**	4566
chr11	67798271	67816002	Dhrs7c	**3.25634**	15955

chr3	99141090	99220203	Wars2	**1.20865**	23119
chr6	8630527	8778484	Ica1	**1.49095**	13486
chrX	139821635	139871654	Morc4	**0.81151**	14532
chr19	10389090	10453181	Syt7	**0.91932**	27916
chr11	119355557	119381076	Slc26a11	**1.13048**	13266
chr5	113942219	113993757	Ssh1	**1.19161**	16487
chr6	91212764	91272540	Fbln2	**2.80725**	54786
chr4	123312650	123343252	Bmp8a	**0.99226**	10381
chr3	144730316	144760739	Clca1	**1.20205**	15835
chr9	20581328	20595193	Zfp846	**1.34536**	16157
chr11	106311341	106314529	Cd79b	**1.16961**	6108
chr1	166130460	166166510	Gpa33	**1.87014**	18693
chr14	70890107	70979840	Gfra2	**1.33063**	20226
chrX	9272784	9313245	Xk	**1.38274**	30397
chr7	5051532	5053723	Zfp580	**1.56127**	7500
chr9	124474346	124476862	Ppp2r3d	**1.47649**	16200
chr10	88518279	88605152	Mybpc1	**5.16056**	89555
chr5	28456840	28466983	Shh	**2.25182**	25021
chr4	108719649	108781904	3110021N24Rik	**0.87587**	6651
chr1	139454773	139494088	Aspm	**1.10777**	47642
chr7	46711998	46715676	Saa3	**1.28569**	2976
chr17	94759942	94834799	Gm1976	**1.13825**	9090
chr8	84911853	84937353	Mast1	**0.95886**	19478
chr8	123271205	123318576	Fanca	**1.1979**	19655
chr4	84272542	84675086	Bnc2	**1.00222**	28192
chr6	31366885	31398773	Mkln1os	**0.80791**	3395
chr8	70905974	70917529	Map1s	**0.95993**	13700
chr5	105519471	105608954	Lrrc8c	**0.90156**	11118
chr14	52261759	52279387	Rab2b	**1.33715**	15802
chr11	119143043	119228499	Tbc1d16	**0.92043**	28038
chr9	122805547	122836332	Tcaim	**1.47108**	19488
chr7	100227607	100278872	Pgm2l1	**1.16925**	43966
chr11	60920941	60931867	Map2k3os	**1.41589**	7820
chr6	145934147	145965225	Sspn	**1.64444**	31598
chr4	119814678	120135411	Hivep3	**0.6554**	25773
chr11	98464693	98546031	Ikzf3	**0.89634**	16012
chr12	85166639	85177313	Pgf	**0.59792**	4384
chr16	20331304	20426394	Abcc5	**1.16704**	31521
chr7	13258967	13278721	6330408A02Rik	**1.19913**	16889
chr11	83647843	83649378	Ccl3	**0.43209**	1488
chr3	81036416	81214031	Pdgfc	**1.33899**	20499
chr17	22846697	22867134	Zfp945	**1.65622**	47780
chr9	82829806	82847688	Irak1bp1	**1.20227**	9921
chr17	40221777	40242258	Crisp3	**4.56176**	27581
chr14	103047012	103056573	Irg1	**0.81488**	9193
chr2	130390775	130397629	Cpxm1	**1.63804**	17287
chr6	72355483	72359713	Tmem150a	**1.05437**	6715

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chrX	144317966	144374448	Alg13	**1.10686**	26079
chr16	35397312	35490873	Pdia5	**1.59149**	12550
chr9	108133718	108138567	4930447F24Rik	**0.60303**	3717
chr6	126101412	126166744	Ntf3	**0.81506**	5500
chr2	166566345	166713832	Prex1	**0.64711**	18420
chr1	152807890	152836990	Ncf2	**0.90639**	10257
chr5	135012176	135013157	Abhd11os	**2.20813**	4293
chr6	50562563	50566474	Cycs	**1.12504**	15002
chr2	154613368	154646817	Zfp341	**1.13115**	15897
chr17	15041612	15064232	Ermard	**1.30006**	15120
chr13	19591708	19619830	Epdr1	**1.66444**	17319
chr11	79339892	79581609	Nf1	**1.00732**	52021
chr7	104409026	104465193	Trim30a	**1.1862**	19494
chr12	4236363	4240123	Ptrhd1	**1.33878**	21949
chr10	89408823	89443967	Gas2l3	**1.13104**	33270
chr4	33027139	33031323	4933421O10Rik	**0.94031**	15781
chr11	72301629	72313733	Xaf1	**1.28264**	14526
chrX	166523007	166585716	Egfl6	**1.00869**	11872
chr12	65075606	65132058	Fancm	**0.90658**	30726
chr1	63179023	63179135	Snora41	**0.32279**	159
chr6	95117880	95129793	Kbtbd8	**1.24581**	25698
chr16	10357952	10395448	Tekt5	**1.53144**	11756
chr19	16435667	16610818	Gna14	**1.38618**	20442
chr10	127329944	127341579	Gli1	**1.8198**	28558
chr17	79614900	79682152	Rmdn2	**1.15363**	9062
chr14	34145646	34152419	Npy4r	**0.6647**	5514
chr6	71128166	71144380	Thnsl2	**1.1877**	10800
chr1	75507077	75510354	Inha	**1.50625**	9606
chr1	60977914	61000321	Icos	**0.60589**	8597
chr16	33379854	33380736	1700007L15Rik	**0.9649**	3142
chr11	52004221	52084667	Cdkl3	**1.50346**	20946
chr16	18498713	18566680	Gnb1l	**1.11857**	19153
chr10	56014294	56228689	Tbc1d32	**1.27631**	40275
chr6	128227143	128300813	Tead4	**1.31161**	17587
chr15	68083738	68258856	Zfat	**0.89143**	17362
chr5	35697180	35729276	Sh3tc1	**1.0753**	21323
chr4	136206365	136246573	Asap3	**1.30931**	31859
chr1	93309437	93342788	Pask	**1.17287**	26172
chr17	23173869	23193228	Zfp40	**1.46843**	26110
chrX	95048935	95166539	Arhgef9	**1.56867**	37794
chr9	123150946	123157432	Clec3b	**3.65287**	15796
chr4	41638159	41640302	Enho	**1.67472**	8994
chr17	33089367	33110704	Zfp563	**1.15158**	32037
chr1	9560833	9631092	2610203C22Rik	**1.5594**	8130
chr11	97034602	97041369	Lrrc46	**0.78647**	4450
chr8	126426652	126475065	Gm17296	**0.91385**	20157

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chr16	43969146	43979050	Zdhhc23	**0.95477**	5319
chr1	171388960	171410239	Arhgap30	**0.92993**	18189
chr13	55464267	55473155	Prr7	**1.30186**	7718
chr8	88626828	88636128	Snx20	**0.80483**	5031
chr11	59970614	60046489	Pemt	**1.64068**	8847
chr10	105187664	105574479	Tmtc2	**1.20234**	29728
chr11	100415694	100424840	Fkbp10	**1.32348**	15000
chr4	81278500	81442805	Mpdz	**1.03312**	33844
chr11	120347350	120347413	Mir6935	**1.68109**	469
chr15	97744770	97767666	Rapgef3	**1.25819**	21028
chr14	34053470	34075999	Antxrl	**0.54104**	4382
chr13	21362820	21372302	Zscan12	**1.2857**	24761
chr5	65763521	65826784	N4bp2	**0.82635**	20644
chr11	16501638	16508484	Sec61g	**1.43679**	4879
chr9	119357381	119393797	Xylb	**1.04644**	18146
chr15	102144186	102149512	Igfbp6	**2.7329**	15356
chrX	94274574	94274637	Mir7673	**1.86031**	519
chr14	19872559	19977249	Gng2	**1.31443**	22988
chr1	171173264	171196268	Pcp4l1	**2.51163**	17244
chr8	69037708	69089222	Slc18a1	**1.42821**	19412
chr6	30653457	30693682	Cep41	**1.1779**	17355
chr4	116136728	116144616	Lurap1	**0.72293**	4497
chr11	101176117	101190720	Cntnap1	**0.95622**	22342
chr18	25169020	25467321	AW554918	**1.2235**	28539
chr5	122325508	122354195	Rad9b	**1.00099**	6951
chr19	32595715	32667187	Papss2	**0.96088**	15900
chr17	32879221	32891603	Zfp870	**1.16308**	26851
chr17	73804841	73832093	Ehd3	**1.12105**	17876
chr6	128931793	128931845	Mir7649	**0.84403**	195
chr15	102497647	102517004	Map3k12	**0.82172**	14174
chr4	32982998	33022180	Rragd	**1.54855**	34069
chr17	35424847	35424876	H2-Q8	**1.88875**	247
chr18	34840589	34847463	Reep2	**1.0908**	9158
chr9	65101486	65137947	Igdcc4	**1.00094**	27183
chr9	87191963	87255532	Cep162	**1.15178**	26585
chr7	67730161	67759742	Synm	**2.33816**	70939
chr3	36573143	36613389	Bbs7	**1.45174**	16441
chr7	4522957	4532442	Dnaaf3	**1.51433**	14450
chrX	73214333	73222453	Xlr4b	**2.58588**	13707
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chr7	80454993	80535119	Blm	**0.95912**	20679
chr6	134396329	134438724	Bcl2l14	**1.59993**	15483
chr12	40222712	40222811	Mir1938	**0.73638**	321
chr19	47865545	47886305	Gsto2	**1.57538**	9573
chr6	6877801	6882068	Dlx5	**1.35022**	8299
chr3	142530336	142550151	Gbp7	**1.54237**	37799

chr7	28788969	28798966	Rinl	**1.46462**	18349
chr2	76406508	76600647	Osbpl6	**0.96936**	38305
chr9	45079183	45108531	Amica1	**1.02001**	9164
chr4	144391674	144408464	Pramef12	**1.40551**	15072
chr11	120624823	120624876	Mir6936	**0.22091**	52
chr7	92584183	92637142	Ankrd42	**1.27532**	15466
chr16	5211819	5222299	AU021092	**0.84521**	5055
chr8	33386325	33417469	Purg	**0.82914**	6495
chr8	110079734	110092752	Zfp612	**0.90727**	19387
chr16	15637866	15842239	Prkdc	**0.94762**	52354
chr2	73429610	73529487	Wipf1	**1.50245**	31293
chr14	55854115	55874736	Nynrin	**0.85043**	27481
chr17	21707741	21725636	Zfp760	**1.12249**	20595
chr17	49993307	50190497	Rftn1	**0.99269**	12125
chr16	38598343	38713035	Arhgap31	**0.95647**	32196
chr7	102101743	102111148	Art1	**2.68662**	16595
chr13	67813816	67827000	Zfp273	**1.30367**	13190
chr5	5664829	5694568	Steap2	**1.28401**	61155
chr1	135132725	135145320	Ptpn7	**0.82463**	11733
chr9	22099253	22109221	Cnn1	**3.49958**	30312
chr14	57524829	57543166	Il17d	**0.66944**	3566
chr6	38663069	38680865	Clec2l	**2.25823**	14067
chr4	116597680	116600266	Ccdc17	**1.13552**	7113
chr7	83643063	83735490	Il16	**0.87094**	18941
chr16	20611601	20645915	Ece2	**1.22884**	22032
chr9	57129982	57131290	Man2c1os	**0.84021**	2388
chr13	20090507	20608356	Elmo1	**1.00989**	25872
chr9	92571255	92608427	Plod2	**1.27825**	18750
chr5	100092113	100095273	Tmem150cos	**1.11671**	5491
chr13	99421464	99516602	Map1b	**0.79151**	40893
chr5	25689816	25705797	Xrcc2	**1.0412**	14592
chr10	39946912	39950785	G630090E17Rik	**0.72236**	4717
chr19	4184357	4191047	Tbc1d10c	**1.19149**	9136
chr10	83231139	83337817	Slc41a2	**1.04759**	20029
chrX	102142820	102157091	Ercc6l	**1.21669**	22265
chr12	108894272	109028452	Wdr25	**1.35552**	15700
chr8	95633559	95645059	Gins3	**1.42131**	14944
chr4	32657119	32775217	Mdn1	**0.85155**	66664
chr5	66298725	66618817	Apbb2	**1.06262**	32119
chr16	20619215	20621278	Camk2n2	**1.06792**	5968
chr4	12039356	12087957	Tmem67	**1.02063**	15852
chr11	69897358	69900986	2810408A11Rik	**1.51099**	11026
chr5	91027517	91035212	Epgn	**1.19588**	8883
chr15	99074973	99083409	Troap	**0.76353**	7542
chr3	103074014	103099720	Ampd1	**2.83218**	28914
chr13	72623466	72628564	Gm20554	**0.9509**	21136
chr7	126847553	126852432	Doc2a	**1.41176**	13939

chr9	86765927	86880449	Snap91	**0.59382**	11651
chr15	96571418	96642913	Slc38a1	**0.67673**	24753
chr11	101488764	101551955	Brca1	**0.96975**	28103
chr1	91540565	91559590	Asb1	**0.95535**	25287
chr7	5056152	5060784	Ccdc106	**1.58478**	10093
chr10	81590905	81600900	Tle6	**1.44962**	12733
chr13	62836885	62858370	Fbp2	**2.14582**	12104
chr8	91217030	91313222	Rpgrip1l	**1.1773**	35765
chr16	88626788	88627666	2310079G19Rik	**1.22661**	4700
chr5	31292246	31295877	Fndc4	**1.31972**	13059
chr7	27860585	27880825	Zfp607	**1.23842**	18954
chr4	129548344	129573641	Lck	**0.50321**	4986
chr11	63884693	63922284	Hs3st3b1	**0.83909**	21961
chr17	31255020	31277356	Rsph1	**1.09908**	5572
chr7	24270418	24277794	Zfp93	**1.2257**	18754
chr11	121067403	121081139	Sectm1a	**0.64304**	4527
chr5	114123934	114128176	Alkbh2	**1.62585**	7548
chr9	54764748	54773110	Crabp1	**2.37412**	8300
chr11	102248882	102265183	BC030867	**1.17462**	13021
chr7	79660196	79698097	Ticrr	**0.74899**	23338
chr2	39066215	39190730	Scai	**1.13821**	53109
chr8	15057653	15133419	Myom2	**4.60297**	99382
chrX	169685199	169990797	Mid1	**1.05713**	19677
chr17	37045966	37074305	Gabbr1	**1.17274**	22933
chr18	67933257	68255549	Ldlrad4	**0.91881**	9985
chr11	116674147	116674223	Snord1b	**0.89676**	301
chr14	34370274	34374669	Sncg	**2.37802**	7588
chr5	52190681	52197984	9230114K14Rik	**0.85945**	7935
chr18	14783245	14900359	Taf4b	**1.32616**	29766
chr10	78584503	78591964	Syde1	**1.03273**	14802
chr1	74375203	74386051	Slc11a1	**0.79046**	7939
chr2	163054635	163084687	Mybl2	**1.48752**	24005
chr7	36698118	36773457	Tshz3	**0.99512**	21698
chr9	107340640	107349683	6430571L13Rik	**1.12328**	12496
chr3	99253760	99354260	Tbx15	**3.76563**	58552
chr13	67747800	67752514	Zfp85	**1.28758**	12045
chr11	48887422	48902152	Gm5431	**1.09343**	14161
chr7	44572445	44586846	Napsa	**0.91156**	5877
chr13	48487660	48513436	Zfp169	**0.97483**	17788
chr2	181680310	181688051	Tcea2	**1.16062**	5884
chr12	98628142	98669819	Spata7	**1.07921**	10505
chr19	42592279	42612806	Loxl4	**0.84909**	20124
chr8	69902559	69903518	Tssk6	**1.04331**	4366
chr7	97726379	97738247	Aqp11	**1.13678**	6551
chr19	4040288	4042221	Gstp2	**2.45388**	8044
chr12	69241832	69283961	Klhdc1	**1.57604**	13390
chr17	47394558	47400584	Guca1a	**1.97081**	7500

chr18	11981303	12121537	Tmem241	**1.22673**	17636
chrX	136066565	136068236	Bex2	**1.39041**	5467
chr1	184871926	184883036	C130074G19Rik	**1.53578**	19100
chrX	152004584	152016295	Ribc1	**0.84206**	5528
chr19	5092880	5098418	Cnih2	**0.88062**	4714
chr13	74359582	74360604	Lrrc14b	**1.5881**	7082
chr10	81575287	81590845	Tle2	**1.18795**	15960
chr8	69371025	69395544	Gm10033	**1.25369**	14220
chr10	76708792	76726044	Col6a1	**2.36609**	41009
chr7	27907392	27929430	1700049G17Rik	**1.25736**	28271
chrX	97333841	97377209	Eda2r	**0.93359**	23490
chr19	4931855	4943092	Peli3	**1.15069**	9716
chr11	4257568	4272514	Lif	**1.48004**	27994
chr1	59516264	59634509	Gm973	**1.11383**	17455
chr6	48504339	48534832	Zfp862-ps	**0.90827**	24900
chr1	119907899	119913168	Tmem177	**1.28854**	18491
chr18	5210031	5334439	Zfp438	**0.93548**	13086
chr2	3455815	3474986	Suv39h2	**1.01941**	18095
chr8	111626271	111630322	Ldhd	**1.24431**	12047
chr1	52925127	52952840	1700019D03Rik	**0.84334**	3066
chr10	56106917	56116880	Msl3l2	**0.64233**	5992
chr9	78430518	78443237	Mb21d1	**0.87482**	15597
chr7	39449518	39477416	Zfp939	**1.16845**	10085
chr19	43689689	43733253	Entpd7	**0.99611**	23665
chr6	115807975	115808103	Snora7a	**1.60938**	905
chrX	136666375	136668377	Tceal3	**1.06966**	5199
chr5	106964322	106984439	Cdc7	**1.00552**	14206
chr15	8169106	8271158	2410089E03Rik	**0.84657**	38634
chr7	81347026	81454758	Cpeb1	**1.00962**	13705
chr2	26628457	26636497	Fam69b	**0.90177**	6376
chr11	82779601	82781042	Gm11423	**1.78811**	6111
chr2	104721787	104742801	Depdc7	**1.01105**	7585
chr15	66891393	66923199	Wisp1	**0.64833**	14193
chrX	104536970	104671064	Zdhhc15	**0.9137**	21938
chr7	141278329	141279133	Sct	**0.76363**	1701
chr11	115347709	115367719	Hid1	**1.53864**	21711
chr11	75510094	75513166	Rilp	**1.55013**	10048
chr13	35895104	35906347	Rpp40	**1.17921**	14064
chr4	63367128	63403445	Akna	**0.70744**	16884
chr8	69741639	69749962	Zfp963	**1.34808**	13463
chrX	101377337	101385624	Gjb1	**1.29836**	8467
chr4	6191105	6219788	Ubxn2b	**0.75783**	15642
chr15	98519717	98519761	Snora34	**0.91251**	179
chr4	62965574	63134030	Zfp618	**0.56687**	7087
chr9	56865104	56899870	Cspg4	**1.18614**	41623
chr19	4439559	4448325	A930001C03Rik	**1.11782**	3216
chr2	77180340	77280592	Sestd1	**1.51054**	58834

chr6	85899050	85904938	1700019G17Rik	**0.9307**	13299
chr11	79526561	79528615	Evi2a	**1.11624**	8924
chr6	83057844	83067219	Dqx1	**1.15392**	15885
chr17	21733724	21748969	Zfp229	**0.91153**	17984
chr8	19210462	19212760	Defa-ps12	**0.34547**	253
chr3	40540767	40704774	Intu	**0.8238**	22936
chr2	37432168	37443121	Zbtb26	**1.15864**	26602
chr4	132782357	132796364	Themis2	**1.19511**	13243
chr1	67123027	67231267	Cps1	**0.73906**	17919
chr9	65552577	65580087	Plekho2	**0.96647**	21600
chr15	80572597	80652854	Grap2	**0.88732**	21738
chr2	119034790	119042197	Rpusd2	**1.02664**	22976
chr4	117926160	117929763	Artn	**0.90038**	8568
chr2	75659259	75659289	Hnrnpa3	**0.2294**	31
chr19	24294796	24555827	Pip5k1b	**1.0443**	11499
chr15	97277334	97385691	Pced1b	**1.11596**	10420
chrX	36911272	36989695	Sept6	**0.86921**	24208
chr11	34047201	34092280	Lcp2	**0.71925**	10497
chr17	46383766	46420918	Zfp318	**0.88823**	53893
chr16	4284886	4420498	Adcy9	**1.04168**	35600
chr4	141016637	141060545	Crocc	**0.95034**	27673
chr10	110745465	110787384	E2f7	**1.00873**	24079
chr1	143640697	143649937	B3galt2	**1.70278**	33981
chr8	82863356	83091271	Rnf150	**0.94286**	39806
chr7	28692849	28699337	Fbxo27	**0.89593**	8100
chr10	11343445	11457477	Epm2a	**1.5212**	7155
chr10	77290727	77418273	Adarb1	**1.05405**	30261
chr2	28462001	28466324	1700007K13Rik	**0.94158**	3300
chr2	131127412	131145983	Hspa12b	**0.55476**	7117
chr5	110879803	111289779	Ttc28	**0.78963**	36786
chr11	34226821	34783905	Dock2	**0.98083**	27432
chr11	72390114	72411713	Smtnl2	**1.15602**	13223
chr10	125227485	125328535	Slc16a7	**1.29353**	13640
chr2	174760758	174784042	Edn3	**2.596**	33700
chr5	88519809	88527897	Igj	**2.91152**	26678
chr3	146121791	146140646	Mcoln3	**0.59923**	4472
chr2	32599709	32620809	St6galnac6	**1.21503**	14274
chr2	132816141	132844188	Mcm8	**1.21831**	18439
chr9	7445822	7455974	Mmp3	**4.27008**	33505
chr19	4445908	4477143	Syt12	**0.71441**	8754
chr9	31315107	31378543	Prdm10	**0.68558**	10185
chr11	50898712	50916176	Zfp2	**0.92698**	12866
chr1	171839697	171890718	Cd84	**0.76182**	10929
chr17	25844852	25861515	Wdr90	**1.03848**	26935
chr13	74036495	74062285	Cep72	**1.16779**	18489
chr5	113550420	113589725	Wscd2	**0.85561**	14214
chr3	123076519	123236149	Synpo2	**1.92455**	59699

chr15	78325990	78351001	Csf2rb	**0.71567**	14672
chr9	107597674	107609241	Sema3b	**1.47136**	27336
chr5	52199984	52216433	C130083M11Rik	**0.75988**	6860
chr10	40883534	40938569	Wasf1	**0.78267**	8700
chrX	152294824	152327493	Kantr	**1.13602**	21086
chr13	49544443	49567562	Aspn	**2.45757**	25186
chr12	104247896	104254405	Serpina3h	**0.96325**	8612
chr1	162953800	162984491	Fmo3	**0.60136**	5269
chr17	23575852	23599487	Zfp13	**1.02089**	9519
chr2	85579215	85580282	Olfr996	**1.11694**	5200
chr11	69881567	69895539	Acap1	**0.68581**	7420
chr5	137061506	137072272	Serpine1	**1.42151**	18726
chrX	134804142	134809221	Armcx2	**0.79618**	12543
chr7	45473563	45488796	Dhdh	**0.67623**	8071
chrX	44786567	44790197	Dcaf12l1	**0.41538**	6399
chr13	67128228	67141787	Zfp759	**1.10748**	16810
chr2	93201760	93334487	Tspan18	**1.13509**	18560
chr13	43785112	43803133	Cd83	**0.66624**	6218
chr7	62348277	62349927	Ndn	**1.19495**	8600
chr10	4403169	4432352	Rmnd1	**1.23248**	548
chr11	62604884	62648523	Lrrc75a	**1.43377**	12400
chr8	123103058	123103105	Snord68	**1.82089**	381
chr8	88521344	88594887	Nkd1	**1.2052**	23426
chr5	110286319	110337453	Pole	**1.00504**	31233
chr3	138089855	138143388	Mttp	**1.21349**	23328
chr6	116410071	116461178	Alox5	**0.67352**	8300
chr9	102739648	102756685	Gm5627	**0.69092**	2804
chr18	66458604	66465558	Pmaip1	**1.03698**	11997
chr17	26414965	26446342	Neurl1b	**0.88625**	23906
chr17	36164444	36168537	Gm8909	**1.08193**	6400
chr15	84680998	84703673	Prr5	**0.93174**	7453
chr4	126058565	126089334	Oscp1	**0.98605**	9250
chr7	30314816	30319045	Syne4	**1.48451**	8762
chr10	85119433	85128027	Mterf2	**0.86169**	5886
chr15	88751711	88784516	Zbed4	**1.26867**	29720
chr6	27275121	28134369	Grm8	**1.13473**	18193
chr1	36761798	36782820	Zap70	**0.95766**	11359
chr8	70842049	70857008	Kcnn1	**0.7818**	13775
chr12	112130880	112130955	Mir203	**0.47692**	158
chrX	163909017	163933666	Ap1s2	**1.25705**	26686
chr8	36567739	36952442	Dlc1	**0.92803**	34285
chr2	156019140	156052947	Fer1l4	**1.18076**	31423
chr7	30077337	30090510	Zfp566	**1.40177**	10339
chr9	20875166	20879710	Angptl6	**0.6448**	3654
chr12	72441866	72510565	Lrrc9	**0.48674**	10959
chr2	29245116	29252993	6530402F18Rik	**0.79253**	14092
chr16	13676834	13678385	3110001I22Rik	**1.19727**	8100

chr8	77517056	77518578	0610038B21Rik	**0.63183**	3429
chr7	99624067	99627103	Gm4980	**0.77311**	10235
chr1	186623186	186705992	Tgfb2	**1.22741**	25281
chr2	60417543	60553308	Pla2r1	**0.88652**	27484
chr17	53829637	53845958	Sult1c2	**2.33318**	14900
chr18	32815383	32819799	Tslp	**1.39225**	8090
chr5	130144888	130155808	Kctd7	**1.30258**	24223
chr11	22512283	22519231	Tmem17	**0.92096**	5500
chr12	41024090	41955588	Immp2l	**1.79302**	8965
chr2	130872541	130906396	A730017L22Rik	**1.03449**	10710
chr4	58435252	58553491	Lpar1	**1.26714**	20095
chr6	34871771	34878065	3110062M04Rik	**1.07718**	7311
chr8	25024928	25038962	Htra4	**1.19235**	11336
chr10	80602880	80607654	Adat3	**1.476**	8641
chr11	6620319	6620419	Snora5c	**0.6178**	272
chr4	126024659	126044975	Csf3r	**0.82952**	14634
chr10	118141787	118168999	Mdm1	**0.95117**	13065
chr12	73286848	73354045	Slc38a6	**1.12073**	14456
chrX	139889511	139998595	Rbm41	**1.01723**	29971
chr18	61298136	61400431	Ppargc1b	**0.73006**	11635
chr2	119047119	119104121	Casc5	**0.84564**	24053
chr2	129369902	129375733	Il1bos	**0.50367**	3065
chr5	129863952	129879083	Phkg1	**1.86759**	15004
chr5	137730963	137739998	Nyap1	**1.0176**	15530
chr9	95752642	95845279	Pls1	**1.41886**	22866
chr17	33974659	33978791	H2-K2	**1.60634**	9271
chr2	180179755	180179823	Mir7005	**0.96748**	291
chrX	74274027	74274105	Mir7091	**0.80727**	278
chr4	135120645	135177990	Runx3	**0.68532**	11624
chr5	110167508	110176504	Gm15787	**0.75701**	4247
chr2	180598222	180621956	Col9a3	**0.71231**	8126
chr17	36109030	36111676	C920025E04Rik	**1.1609**	6523
chr16	91614257	91618999	Dnajc28	**0.89555**	13800
chr7	30423304	30428746	Nfkbid	**0.91236**	7994
chr11	70688361	70700155	Inca1	**0.82438**	4607
chr7	118535844	118584686	Tmc7	**0.94334**	18476
chr11	95830072	95842476	Abi3	**0.62474**	6457
chr7	80316616	80324454	Rccd1	**1.06123**	10825
chr5	125003475	125012547	Fam101a	**1.12644**	8102
chr2	71981215	72257474	Rapgef4	**0.82225**	16538
chr12	11240926	11265787	Gen1	**0.89595**	12822
chr11	99415664	99422259	Krt12	**2.55498**	20649
chr4	116097044	116123690	Rad54l	**0.8924**	10336
chr8	46552069	46579584	Cenpu	**1.30815**	7972
chr6	124841095	124857687	Leprel2	**1.26399**	15312
chr11	110269369	110337716	Abca5	**0.83608**	30137
chr8	40308051	40386304	Micu3	**1.19377**	17006

chr10	127182521	127190054	Arhgef25	**1.37142**	14270
chr4	99829500	99912783	Efcab7	**0.79288**	6287
chr16	92346001	92359468	Kcne1	**0.85275**	11728
chr11	116918863	116986944	Mgat5b	**0.53182**	9862
chr3	152273460	152340407	Fam73a	**0.84739**	19777
chrX	134075316	134075397	Mir3112	**0.92041**	329
chr2	80411970	80447396	Frzb	**1.1163**	14209
chr1	135371456	135375063	Shisa4	**1.30278**	6758
chrX	153685154	153696280	Kctd12b	**1.50975**	31557
chr13	12182717	12186488	Gm10336	**0.90235**	14837
chr15	74702412	74707864	Jrk	**1.11412**	26483
chr12	32173397	32208649	Pik3cg	**0.89234**	27050
chr3	134829007	134934581	Tacr3	**0.29852**	4898
chr9	108854043	108862143	Slc26a6	**1.15341**	13701
chr5	25760026	25850341	Actr3b	**0.84199**	6280
chr7	109034460	109083324	Ric3	**0.32762**	9060
chr5	92346639	92348889	Cxcl10	**0.83419**	4000
chr13	12186540	12258113	Mtr	**0.78603**	15364
chr19	60889749	61092555	Grk5	**1.57098**	21688
chr17	66123520	66152168	Ddx11	**0.88118**	15941
chr1	39548747	39548840	Snord89	**0.71017**	291
chr11	97509340	97575126	Srcin1	**0.60448**	18353
chr5	137569840	137588081	Tfr2	**0.66551**	10966
chr12	69198430	69199868	9330151L19Rik	**1.04674**	6566
chr12	84409068	84433780	Ccdc176	**0.97126**	8853
chr7	141061274	141072119	B4galnt4	**0.74052**	10023
chr5	35652026	35679780	Htra3	**1.51202**	22746
chr11	61653321	61672777	Grap	**0.9024**	6290
chr7	44836288	44836537	Il4i1	**0.25853**	71
chr7	44816370	44834092	Nup62-il4i1	**0.73409**	768
chr5	74093083	74094336	Dancr	**1.67025**	6662
chr9	59707764	59716424	Gramd2	**0.91711**	5469
chr11	59810080	59818362	Gm16062	**1.05704**	2009
chr9	79598987	79718722	Col12a1	**1.0084**	51514
chr5	115631049	115631816	1110006O24Rik	**0.82949**	2777
chrX	102119465	102127673	Pin4	**1.66619**	3450
chr1	9960163	9967485	Tcf24	**0.69201**	11300
chr11	120653789	120660837	Notum	**1.06691**	9390
chr14	75955003	75965217	Kctd4	**0.93557**	12296
chr17	57358686	57483529	Emr1	**1.17967**	16687
chr8	95703037	95715119	Ndrg4	**0.99101**	12813
chr7	29289320	29293390	Ppp1r14a	**1.64686**	3812
chr4	107291465	107307143	Dio1	**1.00405**	7283
chr11	3452472	3479831	8430429K09Rik	**1.05176**	11682
chr9	70089310	70141557	Fam81a	**0.62439**	7847
chr1	16994940	17097889	Jph1	**1.7174**	35987
chr8	40423815	40484842	Zdhhc2	**1.01431**	11045

chr17	57279100	57329236	Vav1	**0.92284**	16767
chr7	79392338	79450264	Fanci	**0.85837**	15794
chr4	149649168	149701629	Pik3cd	**0.89247**	21012
chr6	85213051	85333422	Sfxn5	**0.85081**	13552
chr15	58341464	58389274	Anxa13	**0.41304**	2229
chr19	7269764	7275225	Rcor2	**1.30694**	11474
chr1	189207930	189402273	Kcnk2	**0.69533**	12497
chr16	5884793	7412480	Rbfox1	**1.0474**	25025
chr2	76663034	76673098	Fkbp7	**1.59765**	6254
chr8	45336715	45382291	Fam149a	**0.95236**	22746
chr4	132974095	133001882	Fgr	**0.53486**	7792
chr18	70508680	70530321	Poli	**1.06664**	16125
chr4	14952245	15149131	Necab1	**0.61733**	12142
chr19	53677306	53867080	Rbm20	**0.86583**	24880
chr2	91184061	91195116	Nr1h3	**1.11411**	9888
chr12	98268635	98276722	Gpr65	**0.80093**	7496
chr7	98051054	98119493	Myo7a	**1.13835**	37177
chr14	49682019	49783367	3632451O06Rik	**0.89591**	10732
chr3	95134088	95139520	Lysmd1	**0.74917**	7410
chr8	71988482	72009626	Cyp4f18	**0.59238**	4395
chr11	51253651	51262951	BC049762	**0.83084**	3198
chr9	65630582	65660518	Rbpms2	**0.75412**	6430
chr2	163336242	163397993	Jph2	**2.85721**	52996
chr11	58888153	58904225	Zfp39	**0.88276**	14969
chr11	80089400	80135791	Atad5	**0.81569**	25857
chr2	93403547	93417830	Gm13807	**1.3851**	7819
chr7	119794130	119848938	2610020H08Rik	**0.84101**	8597
chr7	25009851	25072369	Grik5	**0.7646**	12792
chr17	6673610	6738044	Sytl3	**1.4914**	15967
chr8	84208815	84208921	Mir24-2	**1.52935**	160
chr1	193221641	193264045	Hsd11b1	**1.01604**	6400
chr2	32450457	32455476	Naif1	**0.85862**	10364
chr9	40192316	40213604	Zfp202	**1.01767**	17199
chr16	43640655	43640737	Mir568	**0.81258**	294
chr2	157010442	157079265	Soga1	**0.67437**	38898
chr11	53476578	53480195	Sowaha	**0.64668**	10199
chr8	109339800	109340908	Gm1943	**0.5792**	2800
chr2	113220187	113423560	Mir1954	**1.43453**	469
chr7	100937634	100964366	P2ry6	**0.80153**	6698
chr12	75630594	75669537	Wdr89	**0.81515**	7661
chr17	55652025	55712628	Pot1b	**1.11679**	17034
chr6	48613180	48623227	Zfp775	**0.87087**	15500
chr3	103735394	103738001	Olfml3	**1.61851**	12248
chr7	7171353	7183560	Zfp418	**1.04523**	12302
chr3	95139526	95142360	Tnfaip8l2	**1.02687**	5000
chr15	82899080	82905816	Gm20324	**0.95173**	4630
chr13	9876613	10360803	Chrm3	**1.1468**	15837

chr7	140247301	140299791	5830411N06Rik	**0.8163**	12166
chr17	84511895	84622142	Plekhh2	**0.95306**	28608
chr7	127582448	127588595	Gm166	**1.2394**	9579
chr1	173420604	173466036	Aim2	**1.53023**	16923
chrX	133582861	133688993	Pcdh19	**0.9536**	42791
chrX	144153695	144166274	A730046J19Rik	**0.35578**	7300
chr12	84783212	84875801	Ltbp2	**0.68033**	17524
chr12	116401947	116405161	D430020J02Rik	**0.7895**	9953
chr11	70130357	70137542	Mgl2	**0.95106**	6426
chr12	108536402	108555618	Gm16596	**0.51896**	2916
chr19	11469368	11482196	Ms4a6c	**0.9715**	8690
chr11	98036624	98053462	Stac2	**0.72748**	9669
chr10	82650495	82690650	Glt8d2	**0.88821**	8096
chr11	83028126	83040533	Slfn10-ps	**0.92083**	14880
chr11	94645217	94653754	Eme1	**0.88365**	7754
chr12	83763634	83792384	Papln	**0.62167**	11856
chr10	34126067	34127972	Fam26f	**0.76326**	3600
chr3	32365489	32367438	4930429B21Rik	**0.58621**	4569
chr11	3703731	3863903	Osbp2	**0.61323**	10952
chr5	104508352	104522383	BC005561	**0.7432**	16785
chr11	120442631	120447321	Tspan10	**0.48904**	4400
chr4	134510999	134523922	Clhc1	**1.17411**	6500
chr18	42645221	43059471	Ppp2r2b	**1.0204**	12637
chr14	34526699	34588681	Ldb3	**2.70001**	70795
chr1	165295766	165321851	Gpr161	**0.5254**	4450
chr4	101069038	101151973	Raver2	**0.71196**	11151
chr7	98177194	98184799	Gm16938	**1.06855**	14831
chr6	124512621	124523440	C1ra	**1.81662**	21872
chrX	166499815	166510478	Tceanc	**0.96222**	16975
chr11	72028722	72037509	Aipl1	**0.95721**	6551
chr19	6184410	6224219	1700123I01Rik	**1.10918**	7799
chr11	73135484	73138294	Gsg2	**0.94658**	11599
chr13	43615797	43670944	Rnf182	**0.86935**	13097
chr9	22188166	22202123	Zfp872	**0.83507**	10775
chr17	34145416	34151095	H2-DMb2	**0.32367**	1109
chr7	121064067	121074530	Igsf6	**0.78715**	7319
chr7	28716790	28738140	Fbxo17	**0.76001**	6520
chr3	92957390	92958574	Lce3d	**4.8744**	11899
chr7	127527897	127528003	Snora30	**0.40949**	191
chr2	148404471	148408188	Thbd	**1.15368**	18698
chr11	69396516	69398234	Tmem88	**0.88351**	5519
chr17	35062693	35066184	G6b	**0.7334**	6800
chr17	26917091	26932579	Kifc5b	**0.66847**	7655
chrX	94791285	94798289	Zxda	**0.88716**	27090
chr15	79154913	79164490	Sox10	**0.68491**	8100
chr14	33923587	33935282	Gdf10	**2.24182**	24519
chr5	97884688	98030962	Antxr2	**1.20444**	19694

chr13	96924689	96950914	Gcnt4	**0.65737**	14600
chr2	163472630	163473003	2310001K24Rik	**0.40238**	656
chr18	34409423	34442788	Pkd2l2	**0.9533**	9350
chr17	26113316	26123253	Tmem8	**1.15543**	17442
chr10	80321283	80329473	Pcsk4	**0.949**	10400
chr8	123407082	123410744	Mc1r	**0.79536**	12700
chr17	45600967	45602102	Gm7325	**0.54742**	2329
chr12	73100259	73113245	Six4	**0.75651**	18375
chr16	36321665	36334332	BC117090	**0.9763**	1647
chr18	35726989	35730869	1700066B19Rik	**1.41636**	15460
chr11	95145053	95159047	A730090H04Rik	**0.98235**	6783
chr17	17121383	17146878	Zfp97	**0.97972**	11800
chr19	5406815	5422803	4930481A15Rik	**0.98835**	9138
chr16	48924228	48994112	Dzip3	**0.83378**	20975
chr3	91088137	91090805	9130204L05Rik	**0.23361**	500
chr7	83584931	83623709	Tmc3	**1.51562**	28515
chr8	111966908	111992302	Adat1	**0.78181**	10766
chr15	45106284	45114934	Kcnv1	**1.22171**	23944
chr5	123118180	123132629	Rhof	**0.63094**	5894
chr2	150570415	150578944	Cst7	**0.88411**	3800
chr17	32659483	32676480	Cyp4f40	**0.71249**	4901
chr13	48577869	48625672	Ptpdc1	**0.79333**	15894
chr13	53109317	53286109	Ror2	**0.89664**	15517
chr2	164948219	164955849	Mmp9	**0.68322**	9453
chr8	105281940	105289528	4931428F04Rik	**0.90933**	8015
chr8	22128283	22166435	Nek3	**1.31379**	11706
chr5	31116612	31137626	Trim54	**2.36531**	15796
chr9	18454054	18473559	Zfp558	**0.65624**	10982
chrX	20105755	20291764	Slc9a7	**0.7591**	8170
chr19	5465240	5468498	Ctsw	**0.34671**	1862
chr4	28813131	28967503	Epha7	**1.32068**	45970
chr5	140724127	140753312	Amz1	**0.72478**	8483
chr5	51454249	51553921	Ppargc1a	**0.89483**	25214
chr9	8076633	8134294	AK129341	**0.64235**	10212
chr15	84324720	84342978	Parvg	**0.60834**	7457
chr12	5077466	5375682	Klhl29	**0.89515**	27498
chr19	32389216	32391184	2700046G09Rik	**0.63341**	4531
chr6	65590398	65634040	Tnip3	**1.62371**	26677
chr9	120577331	120578073	5830454E08Rik	**0.86451**	2800
chr2	125563088	125625113	Cep152	**0.89236**	22437
chr4	119530315	119538769	AA415398	**0.87733**	7274
chr1	82233105	82291439	Irs1	**1.00471**	40131
chr17	6040571	6079739	Serac1	**0.89959**	20913
chr7	8086047	8093037	2810047C21Rik1	**0.8131**	5827
chrX	105120396	105123911	Magee1	**0.75678**	11599
chr10	51480612	51486329	Gp49a	**0.89145**	5759
chr7	92857527	92874232	Ddias	**1.06421**	16000

chr10	20952547	21080429	Ahi1	**0.95927**	21301
chr5	123749726	123821593	Kntc1	**0.82692**	25092
chr5	137852147	137858049	Pilrb1	**0.95585**	4250
chr3	107938848	107943749	Gstm6	**0.59661**	2996
chr12	69893164	69964085	Atl1	**0.73558**	8571
chr16	97447035	97462906	Mx1	**2.06509**	26781
chr17	10840384	12063360	Park2	**0.83713**	11681
chr17	56628143	56664456	Catsperd	**1.49438**	16709
chr17	29360914	29379535	Fgd2	**0.87925**	10061
chr2	25498650	25501719	C8g	**0.68153**	3672
chr2	128698997	128802188	Mertk	**0.59974**	9294
chr8	81342562	82127917	Inpp4b	**0.76653**	32729
chr17	34950950	34951008	Snord52	**2.01408**	518
chr7	16994588	16996645	Ccdc8	**0.88573**	7946
chr11	60353380	60394333	Lrrc48	**0.79575**	6445
chr13	119710094	119755882	Nim1k	**0.7662**	13704
chr7	27499324	27520041	Prx	**1.1075**	25394
chr11	78826595	78843899	Lyrm9	**0.74074**	16316
chr6	5168090	5193946	Pon1	**0.55524**	3662
chr4	59626211	59754303	E130308A19Rik	**0.65707**	15699
chr10	67979598	68043864	Rtkn2	**0.97934**	16786
chr5	76591714	76646466	Cep135	**0.79173**	18340
chr18	38238405	38250565	1700086O06Rik	**0.75381**	5849
chr5	128984558	129008572	Stx2	**1.12654**	14418
chr16	91729371	91920579	Itsn1	**0.8491**	72021
chrX	145446424	145487639	Amot	**1.19826**	39097
chr8	25578490	25597487	Letm2	**0.75397**	6902
chr6	58596672	58692451	Abcg2	**0.93474**	10150
chr8	106870242	106882902	Has3	**0.85234**	21966
chr12	84114328	84143510	Dnal1	**0.96466**	24213
chr11	6506548	6520958	Myo1g	**0.61731**	8899
chr1	84036293	84284645	Pid1	**0.90307**	10499
chr9	45253839	45269146	Il10ra	**0.62339**	9492
chr5	120812635	120824160	Oas1b	**0.90362**	7236
chr8	108714644	108961636	Zfhx3	**0.86409**	61921
chr11	98907889	98923942	Cdc6	**0.76663**	15710
chr10	81178961	81179013	Snord37	**0.49343**	114
chr17	43641900	43667015	Slc25a27	**1.0992**	12875
chr2	115493513	115512201	3110099E03Rik	**0.76404**	8806
chr2	28193093	28230736	Olfm1	**0.74235**	11093
chr16	73892306	74410912	Robo2	**0.82975**	29106
chr9	41581339	41592487	2610203C20Rik	**0.79846**	8973
chr1	170317496	170589849	Nos1ap	**0.7001**	11243
chr7	79698146	79714186	Kif7	**0.72869**	14221
chr3	102086455	102146512	Casq2	**0.85574**	9378
chr10	116417868	116473523	Kcnmb4	**0.81456**	2553
chr2	32787607	32847237	Stxbp1	**0.7255**	12666

chr7	24301704	24316666	Zfp94	**0.77462**	8982
chrX	136033367	136034946	Arxes1	**0.90019**	6200
chr10	75923224	75932463	Mmp11	**1.26391**	12380
chr11	70012043	70012131	Mir324	**0.25518**	99
chr5	43818893	43843468	Bst1	**0.50653**	5158
chr12	105030617	105032279	Snhg10	**1.01302**	2336
chr1	87620312	87720510	Inpp5d	**0.66423**	13820
chr13	93040715	93144724	Cmya5	**3.03606**	122791
chr6	38381524	38427647	Ttc26	**0.93141**	16809
chr3	102734770	102772310	Tspan2	**0.8736**	16276
chr5	120753098	120777659	Oas3	**1.10374**	22700
chr12	4082574	4110612	Dnajc27	**1.0026**	20598
chr11	59505685	59511067	4933439C10Rik	**1.27287**	7019
chr9	72438529	72456903	Mns1	**1.16798**	7856
chr14	55878920	55884256	Cbln3	**1.11768**	23011
chr11	74905446	74905505	Snord91a	**0.76085**	199
chr7	45215753	45233619	Tead2	**0.97559**	8548
chr18	37742094	37744658	Pcdhgb6	**0.46811**	5234
chr13	104109790	104141441	Sgtb	**0.9813**	11571
chr15	101643020	101647380	Gm5478	**0.57203**	7381
chr9	124121543	124127183	Ccr5	**0.58801**	7500
chr6	34303930	34317489	Akr1b3	**1.69758**	370
chr13	15463723	15730025	Gli3	**0.63433**	23299
chr2	79834453	80129412	Pde1a	**0.67224**	14022
chr1	12866550	12991135	Slco5a1	**0.70921**	26312
chr2	30795563	30803664	1700001O22Rik	**0.62707**	4349
chrX	7158412	7319358	Clcn5	**0.55156**	10466
chr2	114047289	114052811	Actc1	**1.48534**	9000
chr5	127632262	127707520	Glt1d1	**0.58594**	3982
chr14	27039001	27107286	Il17rd	**0.85141**	30508
chr7	100472991	100486432	Ucp3	**0.93898**	10020
chr5	38137770	38159467	Nsg1	**0.65474**	4461
chr2	163726571	163750239	Ada	**0.8224**	6098
chr14	52311177	52328670	Sall2	**0.67471**	15694
chr19	5024006	5031972	Slc29a2	**0.95351**	10279
chr19	46312091	46327156	Psd	**0.82305**	13978
chr3	96601133	96625352	Lix1l	**1.4054**	15371
chr7	30056034	30072823	Zfp82	**0.82574**	12224
chr9	56201129	56418050	Peak1	**0.69983**	33493
chr7	142326110	142372259	Ifitm10	**0.78444**	11045
chr15	6579847	6665608	Fyb	**0.86766**	18900
chr5	120896257	120907525	Oas1a	**1.42441**	11723
chr1	45374331	45503282	Col5a2	**1.31226**	37840
chr6	38287394	38299259	Zc3hav1l	**0.71572**	20398
chr3	37312554	37321451	Bbs12	**1.05861**	11232
chr17	46129277	46144198	Rsph9	**1.21106**	4973
chr13	22002176	22009741	Prss16	**1.41245**	13250

chr7	141448803	141448936	Snora52	**0.96383**	563
chr4	88910557	88910662	Mir31	**0.58**	268
chr11	109440078	109440255	LOC100503496	**1.08644**	843
chr3	89215187	89226837	Thbs3	**0.93938**	13034
chr7	101289616	101302088	Atg16l2	**0.7074**	6673
chrX	106143275	106160493	Tlr13	**0.57591**	10077
chr6	5383386	5433021	Asb4	**0.50978**	7300
chr4	115000118	115043198	Stil	**0.7732**	17958
chr7	12415149	12422491	Zfp551	**0.57621**	5865
chr11	75193993	75267762	Rtn4rl1	**0.78287**	11289
chr9	45139042	45154061	Scn4b	**1.91003**	35336
chr11	120232947	120292297	Bahcc1	**0.75606**	35354
chr16	17276300	17278661	Tmem191c	**0.95427**	5857
chr14	56696275	56701000	Gm16973	**1.23439**	9621
chr12	100876682	100908198	Gpr68	**0.71995**	11000
chr9	106470353	106476651	Parp3	**1.99754**	22927
chr5	113793729	113800352	Tmem119	**1.13421**	10274
chr11	23013387	23023741	Fam161a	**0.61561**	5198
chr9	65587205	65595962	Pif1	**0.87609**	14054
chr6	125215581	125222306	Vamp1	**0.87737**	10487
chr9	111054835	111057270	Ccrl2	**1.44915**	13329
chr4	119232915	119248977	Lepre1	**0.94557**	13866
chr6	120203810	120294559	B4galnt3	**0.72757**	9391
chrX	136974022	136974239	Tmsb15b1	**1.47849**	1405
chr11	67200114	67224575	Myh1	**4.13173**	108407
chr4	108400217	108406713	Gpx7	**1.02041**	5400
chr1	75546266	75559431	Slc4a3	**0.78083**	15116
chr10	88091398	88146941	Parpbp	**0.74423**	10362
chr11	4141193	4160293	Ccdc157	**0.79151**	17538
chr7	109758056	109781545	Nrip3	**0.70967**	12105
chr9	88956920	88962416	Bcl2a1a	**0.95104**	3300
chr17	43146041	43158291	E130008D07Rik	**0.99355**	21993
chr14	55575674	55576952	Fitm1	**2.32019**	9224
chr2	52428320	52676609	Cacnb4	**0.5381**	20365
chr11	70790932	70812561	Scimp	**0.69582**	3200
chr5	90366997	90368488	Gm9958	**0.87179**	5670
chr4	108879070	108943324	Rab3b	**0.46171**	6044
chr2	128863932	128897034	Fbln7	**0.92731**	11759
chr12	108851129	108856815	Slc25a47	**0.61779**	4255
chr2	120732817	120850584	Ttbk2	**0.79379**	38990
chr9	120048683	120068296	Cx3cr1	**0.87391**	14297
chr10	82128013	82153065	AU041133	**0.82895**	9518
chr3	116585196	116614587	Trmt13	**1.04057**	9258
chr13	13437602	13512275	Nid1	**0.91427**	24096
chr3	59114623	59132462	P2ry14	**1.45809**	15871
chr8	54550331	54587836	Asb5	**2.04617**	14084
chr17	36115871	36121435	H2-T10	**1.09152**	13689

chr10	7678971	7681158	BC020402	**0.99488**	9489
chrX	16885522	16911764	Ndp	**0.41645**	3500
chr19	37021291	37207471	Cpeb3	**0.84405**	23923
chr17	23741199	23745829	Kremen2	**0.71866**	6632
chr15	76457438	76459468	Scx	**0.68599**	3397
chr7	4782940	4784340	Tmem190	**1.09055**	2781
chr11	121434953	121450490	Fn3k	**0.54728**	2400
chr7	29003340	29125151	Ryr1	**1.8297**	122526
chr16	22059009	22163299	Igf2bp2	**0.59884**	10178
chr1	134296783	134332928	Ppfia4	**0.62434**	16512
chr19	58728887	58744169	Pnliprp1	**0.73114**	5160
chr2	175470025	175470059	Gm14306	**1.15357**	176
chr12	4833174	4841595	Fkbp1b	**0.80712**	3448
chr6	125049927	125063265	Acrbp	**0.72023**	6006
chr16	57036967	57071346	Tmem45a2	**0.74707**	9988
chr9	75775365	75899017	Bmp5	**0.80717**	8895
chr10	88459587	88473236	Sycp3	**0.51935**	2359
chr12	69168814	69179010	Lrr1	**0.99296**	6497
chr9	21927536	21935872	Ccdc159	**0.81449**	5205
chr13	47023543	47043217	Tpmt	**1.39188**	16473
chr5	136083916	136111861	Rasa4	**1.09633**	13931
chr8	3623374	3625545	Pcp2	**0.91171**	2472
chr11	99280093	99285238	Krt24	**0.41915**	3086
chr16	44867097	44915840	Cd200r2	**1.83522**	14000
chr16	32142825	32165476	Nrros	**0.61679**	9569
chr7	19671579	19677941	Apoc2	**0.79833**	2530
chr16	96467606	96525793	Pcp4	**1.04609**	2923
chr11	97136171	97149712	Tbkbp1	**0.89464**	13006
chr8	119666365	119688020	Wfdc1	**1.82109**	9280
chr14	99870640	100149796	Klf12	**0.83156**	20785
chrX	157566119	157568985	Yy2	**0.86672**	10832
chr2	34893755	34913976	Phf19	**0.58175**	9492
chr4	43957702	43979118	Glipr2	**0.67753**	5963
chr13	54503805	54551217	Simc1	**0.89438**	18402
chr9	20667986	20728214	Olfm2	**0.55282**	3675
chr9	72458055	72491959	Tex9	**0.96487**	17047
chr7	28982854	29003278	Map4k1	**0.74076**	8712
chr6	83101516	83109107	Ccdc142	**0.82924**	11260
chr11	101155884	101161787	Tubg2	**0.73765**	5714
chr8	85636588	85691009	Neto2	**0.42524**	10466
chr8	71554303	71558871	Tmem221	**0.50427**	3383
chr14	115044392	115046728	Mir17hg	**1.0036**	9874
chr11	46978783	47379302	Sgcd	**0.44634**	2722
chr12	90724552	90738438	Dio2	**1.21664**	30840
chr4	123403601	123411911	D830031N03Rik	**0.4084**	14796
chr11	100347327	100356141	Hap1	**0.61409**	8451
chr14	61309753	61311936	Arl11	**0.60369**	3900

chr14	61602836	61682373	Dleu2	**0.81862**	6045
chr15	102662868	102671047	Atp5g2	**0.75877**	2140
chr11	121036749	121039478	Cd7	**0.39704**	1800
chr4	144669937	144686368	Gm436	**0.98415**	5251
chr13	23571400	23571863	Hist1h2bg	**0.59279**	1199
chr10	113586578	113614774	Mir669h	**0.84879**	185
chr7	127382260	127387166	9130019O22Rik	**0.98789**	16700
chr13	67312998	67332560	Zfp595	**0.72982**	12436
chr4	155839680	155844102	Mxra8	**1.3231**	13052
chrX	6047507	6054751	Nudt11	**0.62087**	7099
chr15	75909735	75914535	Tigd5	**0.78363**	16400
chr6	145250552	145251856	Gm15706	**0.54373**	2100
chr7	29932791	29951893	Zfp74	**0.76919**	12443
chr2	140395430	142390050	Macrod2	**0.81322**	17870
chrX	102513975	102644246	Phka1	**0.91052**	24271
chr18	69925559	69969484	Ccdc68	**0.985**	6548
chr3	40894277	40936307	3110057O12Rik	**0.83752**	9098
chr18	35614604	35627227	Slc23a1	**0.4601**	6035
chr6	24597771	24605414	Lmod2	**0.83912**	7195
chr3	90266514	90280665	Dennd4b	**0.74735**	17654
chr4	112804616	113286973	Skint6	**0.45965**	7662
chrX	101449109	101453541	Itgb1bp2	**2.22643**	12549
chr15	44671856	44788063	Sybu	**0.7195**	11749
chr8	70895759	70895856	Snora68	**2.19103**	936
chr17	36860691	36867187	Trim15	**0.87716**	7047
chr3	89350235	89365239	Dcst1	**0.53372**	5379
chr4	108579454	108614831	Orc1	**0.59407**	7800
chr8	40307875	40307929	Mir7666	**0.45881**	110
chr14	34051130	34102754	A630023A22Rik	**0.45213**	2101
chr9	122382022	122398801	A730085K08Rik	**0.94274**	2326
chr18	25127223	25168877	Tpgs2	**0.78648**	23330
chr2	150934519	151009398	Ninl	**0.76879**	17068
chr9	78257129	78269166	Gm3776	**1.36487**	5200
chr11	87806428	87826114	Lpo	**0.78367**	9999
chr7	55962531	55980096	A230056P14Rik	**0.69658**	2830
chr7	45627537	45639092	Rasip1	**0.95473**	13118
chr2	164731226	164743267	Wfdc3	**0.75535**	2700
chr4	128583539	128610098	Zscan20	**0.72472**	16971
chr2	3424131	3461116	Dclre1c	**0.81837**	13738
chr13	51097738	51100727	9430083A17Rik	**0.64187**	8366
chrX	100524838	100546108	Dgat2l6	**1.0144**	7106
chr19	38524197	38785100	Plce1	**0.87354**	36209
chr2	155490380	155514846	Ggt7	**0.87386**	9946
chr5	8660092	8748570	Abcb1a	**0.79321**	17209
chr15	103530279	103537992	Ppp1r1a	**1.26322**	7131
chr17	87274886	87282814	4833418N02Rik	**0.78627**	5244
chr5	45719667	45727578	Gm3414	**0.87629**	30223

chr17	27018035	27036377	Ggnbp1	**0.88969**	6915
chr11	87756841	87756955	Mir142b	**0.34635**	77
chr11	96944146	96965060	D030028A08Rik	**0.6948**	8541
chr5	137296624	137296688	Mir7036	**1.05172**	298
chr18	57468486	57478134	Ctxn3	**1.93247**	12400
chrX	6400145	6633717	Shroom4	**0.41192**	7951
chr2	156852403	156862945	5430405H02Rik	**1.29152**	3575
chr11	98001508	98022627	Cacnb1	**0.90032**	15102
chr13	74371426	74376566	Zfp72	**0.60259**	4279
chr15	76660641	76668196	Kifc2	**0.97206**	13318
chr4	132564067	132580866	Ptafr	**0.47406**	3761
chr11	29374172	29510808	Ccdc88a	**0.44599**	17229
chr9	108403633	108428482	Ccdc36	**0.4155**	5191
chr2	156312473	156375638	Cnbd2	**0.66627**	5527
chr8	128359073	128505475	Nrp1	**0.81615**	20777
chr7	45526330	45554229	Plekha4	**0.86785**	10063
chr2	26581056	26592682	Egfl7	**1.35155**	9350
chr1	61638824	62642284	Pard3b	**0.58398**	21363
chr17	6439002	6450994	Tmem181b-ps	**0.96047**	19720
chr11	115523109	115536230	Sumo2	**0.6759**	2690
chr8	70882889	70892757	Slc5a5	**0.63642**	8123
chr10	39892760	39899238	AA474331	**0.77163**	2627
chr9	106152860	106158138	Glyctk	**0.60344**	10522
chr3	90450592	90465866	Npr1	**0.57918**	10263
chr9	110476958	110525174	Kif9	**0.5909**	8987
chr14	55061659	55092048	Zfhx2	**0.60337**	18277
chr7	29893337	29906508	Zfp27	**0.91683**	15299
chr7	143071529	143094642	Trpm5	**0.48984**	9359
chr2	164830730	164833596	Neurl2	**0.72051**	2610
chr15	84553398	84557823	Ldoc1l	**0.60124**	11600
chr16	93919031	94008837	Cldn14	**0.6531**	5600
chr7	27984471	28014115	Zfp850	**0.74866**	21363
chr6	53573374	53695832	Creb5	**0.65954**	8260
chr1	187609006	188214884	Esrrg	**1.07655**	26186
chr11	105967945	105989964	Ace	**0.8888**	19589
chr7	18991245	19001766	Mypop	**1.10978**	10522
chr8	70616844	70620850	Lrrc25	**0.86842**	4819
chr7	28833794	28840867	Lgals4	**0.85037**	1720
chr14	56402697	56525031	Rnf17	**0.51635**	11585
chr1	74125541	74148230	Rufy4	**0.79181**	8063
chr6	148842492	148896237	Caprin2	**0.60201**	9694
chr19	46667165	46673000	Cyp17a1	**0.70154**	5630
chr4	112710830	112774861	Skint10	**0.46438**	3500
chr5	148990056	148995214	5930430L01Rik	**0.77139**	13400
chr5	65199696	65260415	Wdr19	**0.71171**	13660
chr2	124089969	124667789	Sema6d	**0.60262**	18932
chr16	48842552	48844461	Retnla	**1.14433**	2983

chr5	139017304	139130386	Prkar1b	**0.57472**	6862
chr11	69804931	69806038	G630025P09Rik	**0.76209**	1671
chr6	118502564	118562256	Ankrd26	**0.67208**	16711
chr15	30172593	31029343	Ctnnd2	**0.52536**	13617
chr3	87078592	87174747	Kirrel	**0.79953**	25397
chr16	45094053	45127924	Ccdc80	**2.27988**	36255
chr14	44851235	44859375	Ptgdr	**0.50941**	7077
chr4	12140117	12146746	Rbm12b1	**0.69841**	9998
chr15	55307750	55520803	Col14a1	**1.06718**	29996
chr6	116264219	116330304	Zfand4	**0.8187**	11224
chr6	128934381	128984707	Clec2g	**0.59502**	6487
chr7	143636725	143649638	Tnfrsf22	**0.79741**	7908
chr12	110275385	110278047	Dio3os	**0.59338**	3254
chr10	81628540	81647612	Ankrd24	**0.69661**	11108
chr4	130308778	130315463	Fabp3	**1.17856**	3288
chr10	76595756	76623404	Col6a2	**1.98004**	32186
chr1	36307733	36324029	Arid5a	**0.68286**	17247
chr12	99717531	99883442	Efcab11	**0.55948**	5046
chr6	128399766	128408935	Nrip2	**0.58379**	4825
chr10	95417375	95428640	5730420D15Rik	**0.69655**	3589
chr1	134986353	135105276	Lgr6	**0.47267**	7465
chr17	36005695	36020560	H2-T24	**0.57866**	5504
chr3	88744701	88772599	Syt11	**0.61055**	12155
chr1	153404186	153414233	E330020D12Rik	**0.5208**	6418
chr5	65987928	66004285	9130230L23Rik	**1.5872**	10060
chr2	27021365	27027998	Slc2a6	**0.58672**	5463
chrX	108834478	108886896	2810403D21Rik	**0.90688**	3973
chr7	81859001	81876094	Tm6sf1	**0.57097**	3487
chr9	57441327	57468060	Scamp5	**0.75859**	11058
chr7	84246275	84410038	Arnt2	**0.39134**	10360
chr13	23760795	23761249	Hist1h4a	**0.41746**	828
chr4	135369577	135398227	Ncmap	**0.84093**	7874
chr13	67038594	67061170	Zfp712	**0.76841**	13298
chr17	35026338	35028016	Sapcd1	**0.6459**	1481
chr12	90998492	91384409	Cep128	**0.8204**	17191
chr12	112850876	112860916	Gpr132	**0.67269**	7152
chr7	30522226	30535060	Arhgap33	**0.57252**	11031
chr7	30169922	30180209	Gm5113	**0.50911**	6558
chr11	109672926	109722256	Fam20a	**1.08544**	12023
chr3	153910567	153910611	Snord45b	**0.2294**	45
chr3	53513938	53657355	Frem2	**0.32313**	17393
chr11	70459985	70466199	Zmynd15	**0.71597**	7609
chr9	99385420	99436712	Mras	**0.90373**	15884
chr1	164931648	164935510	Xcl1	**0.27419**	600
chr13	23751088	23751592	Hist1h2ab	**0.19988**	440
chr2	122298900	122302885	Duoxa2	**1.75078**	12150
chr2	122594473	122611277	Gatm	**0.52548**	5399

chr6	113531682	113596285	Fancd2	**0.72339**	15073
chr17	57189474	57194181	Tnfsf14	**0.46077**	3754
chr6	83156404	83162975	1700003E16Rik	**0.7953**	7107
chr15	78282508	78305721	Csf2rb2	**0.60708**	12377
chr9	104098138	104126581	Ackr4	**0.54913**	4900
chr16	4616466	4624946	Pam16	**0.52073**	1253
chr11	96795332	96798156	Gm11517	**0.40305**	1200
chr2	181227615	181242027	Helz2	**0.58995**	25997
chr18	88971790	89131014	Rttn	**0.65847**	20724
chr1	53189189	53296996	Pms1	**0.9161**	12100
chr16	34690616	34725194	Ccdc14	**0.89074**	15947
chr2	155941025	155945364	Gdf5	**0.49537**	4999
chr11	106654218	106715281	Pecam1	**1.30978**	18870
chr13	77135536	77613679	2210408I21Rik	**0.99501**	21470
chr11	72498156	72550246	Spns3	**1.43998**	11418
chr2	153341157	153345810	2500004C02Rik	**0.75336**	6233
chr7	24978169	25005937	Atp1a3	**0.51593**	8092
chr7	24254794	24262444	Zfp108	**0.58384**	6696
chrX	161836430	162159441	Nhs	**0.44176**	10364
chr7	43562370	43575461	Zfp658	**0.81217**	11970
chr9	108568777	108568861	Mir425	**0.69361**	257
chr11	106318593	106349390	Scn4a	**1.00832**	29001
chr9	104002544	104043811	Nphp3	**0.78834**	22083
chr1	174011998	174031755	Ifi205	**1.29962**	9138
chr2	93833467	93849943	Accs	**0.99283**	18056
chr11	83175186	83190216	Slfn4	**0.94294**	16269
chr8	84043067	84044979	Rln3	**0.60417**	1251
chr3	104781056	104786017	Ppm1j	**0.57071**	4279
chr1	120067377	120073780	Tmem37	**0.94739**	4200
chr9	50751072	50752354	Hspb2	**1.31477**	3370
chr7	28451985	28467548	Lrfn1	**0.51727**	6246
chrX	36328409	36366856	Lonrf3	**0.56022**	17998
chrX	51386637	51681602	Hs6st2	**0.68644**	14339
chr17	13716436	13761394	Tcte2	**0.91044**	5588
chr7	35685500	35754454	Dpy19l3	**0.72697**	24309
chr10	80948624	81014925	Gng7	**0.71545**	10900
chr10	128913591	128919297	Rdh5	**0.52362**	2876
chr15	103248212	103258403	Nfe2	**0.73954**	9004
chr7	30355514	30362772	Lrfn3	**0.68155**	8500
chr10	17796219	17845663	Txlnb	**1.88371**	36598
chr1	153899926	153899928	Mir8114	**0.68821**	9
chrX	136213972	136215513	Bex1	**0.55629**	2100
chr5	110110092	110129794	Zfp605	**0.59828**	8236
chr7	139212988	139242973	Lrrc27	**0.60868**	6957
chr9	6928503	7177046	Dync2h1	**0.54425**	33148
chr3	101275908	101287939	Cd2	**0.48126**	2400
chr9	122923078	122931028	Zfp105	**0.54947**	4800

chr4	62427542	62434726	Rnf183	**0.68478**	4191
chr3	105704599	105720842	Fam212b	**0.67655**	14100
chr15	78755883	78773445	Mfng	**0.5575**	4457
chr3	135307700	135342767	Slc9b2	**0.49092**	4800
chr15	78523346	78529651	C1qtnf6	**0.86001**	8480
chr11	95140447	95145801	Dlx4	**0.67543**	5126
chr2	58129139	58160122	Cytip	**0.56629**	14157
chr6	115840697	115853341	Mbd4	**0.7695**	12022
chr9	119402501	119433506	Acvr2b	**0.5934**	4400
chr10	75893398	75895941	Derl3	**0.34256**	1995
chr3	95160420	95174050	Sema6c	**0.78739**	14210
chr7	24112320	24127952	Zfp112	**0.63719**	9741
chr13	108316337	108389557	Depdc1b	**0.58393**	6440
chr17	66336982	66449750	Mtcl1	**0.70649**	22414
chrX	7411817	7422988	2010204K13Rik	**1.01849**	4200
chr5	144190286	144194441	Bhlha15	**0.8404**	12800
chr9	36843659	36878640	Fez1	**0.59377**	3326
chr2	84839408	84863586	Slc43a1	**0.55209**	7037
chr2	18025189	18037741	A930004D18Rik	**0.53481**	6185
chr5	149006962	149012776	Gm15408	**0.61551**	3700
chr6	129267325	129275369	Cd69	**0.5238**	3699
chr6	124904359	124911705	Lag3	**0.54459**	4755
chr14	59320964	59341330	Phf11b	**0.6101**	3093
chr6	24748367	24766519	Hyal4	**0.72754**	6622
chr2	129297370	129307826	Gm14023	**0.63288**	4301
chr7	104315031	104324838	Gm15133	**0.83655**	3034
chr4	43668971	43692667	Tmem8b	**0.72531**	15094
chr11	69622109	69623869	Sat2	**0.78054**	3001
chr5	35757880	35884979	Ablim2	**0.92066**	15094
chr15	6299789	6440709	Dab2	**0.96302**	19428
chr19	4886882	4906627	Bbs1	**0.53447**	13040
chr15	96994823	97055956	Slc38a4	**0.75244**	12897
chrX	8081466	8090491	Was	**0.53232**	4859
chr2	4717831	4802146	Bend7	**0.43949**	7351
chr5	120680264	120711669	Dtx1	**1.2405**	20089
chr1	175880778	175911396	Exo1	**0.56434**	13545
chr2	177498226	177512311	Gm14403	**0.80693**	13057
chr19	11443558	11463548	Ms4a4b	**0.47376**	2598
chr17	15543079	15563323	Prdm9	**0.95918**	14467
chr1	118834061	119053619	Gli2	**0.60853**	17794
chr7	101899808	101906359	Tomt	**0.80283**	4966
chr11	54839289	54860591	Lyrm7	**0.56625**	5381
chr5	38668484	38684826	Zfp518b	**0.46647**	13994
chr17	94864918	94878321	Gm20939	**0.73693**	8002
chr9	114490316	114496544	Ccr4	**0.29196**	3547
chr19	4003385	4007005	Doc2g	**0.95784**	5833
chr7	127932638	127946725	Prss36	**0.78069**	10417

chr13	58806569	59133970	Ntrk2	**0.43075**	26357
chr13	4233740	4248359	Akr1c19	**0.3055**	1654
chr3	146457203	146499753	Spata1	**0.67288**	5136
chr12	111572317	111574402	2810029C07Rik	**0.91714**	7812
chr17	26199183	26201350	Arhgdig	**0.35522**	1598
chr19	5068078	5070639	Cd248	**1.14603**	12799
chr16	17233587	17263430	Hic2	**0.49579**	13700
chr1	136467848	136530819	Kif14	**0.65211**	23702
chr15	75754447	75841908	Zc3h3	**0.52025**	7570
chr19	11518559	11530403	Ms4a6b	**0.86852**	6387
chr19	10018228	10035586	Rab3il1	**0.93917**	9498
chr10	62947029	62974188	Dna2	**0.61213**	10999
chrX	94234930	94273515	Klhl15	**0.50374**	11333
chr17	22144359	22165977	Zfp947	**0.69338**	8037
chr14	46084027	46084957	Gm1821	**0.49731**	1524
chr1	106980984	107001195	Serpinb13	**0.41255**	2890
chr10	20347819	20361669	Mtfr2	**0.74887**	7531
chr4	140810993	140817511	Gm13032	**0.82224**	2871
chr7	82867333	82871576	Mex3b	**0.91989**	13698
chr6	92772699	92901441	Adamts9	**0.50559**	13303
chrX	9199973	9268085	Lancl3	**0.90234**	15419
chr4	5644179	5799944	Fam110b	**0.75456**	6562
chr3	88364589	88368541	Paqr6	**0.65112**	4740
chr13	21478849	21485505	Zkscan4	**0.63908**	6842
chr14	34345055	34345658	Gm3219	**0.85039**	2239
chr11	71031941	71033617	6330403K07Rik	**0.66036**	4600
chr15	89182213	89196474	Dennd6b	**0.85532**	17192
chr2	177935993	177957288	Gm14326	**0.69979**	10091
chr9	44273190	44288244	Abcg4	**0.42818**	6768
chr15	75993769	75999153	Mapk15	**0.58836**	4950
chrX	7372591	7375830	Usp27x	**0.7576**	10700
chr1	53061663	53068079	Mstn	**1.82795**	21371
chr3	145758692	145894277	Ddah1	**0.38515**	6291
chr11	11930499	12037420	Grb10	**0.81705**	18371
chr7	3712505	3720382	Pirb	**0.74018**	8802
chr18	74195299	74207818	Ska1	**0.76496**	8900
chr10	81252935	81262981	Matk	**0.37974**	3852
chr13	62516797	62558599	Zfp934	**0.61118**	6498
chr14	66802864	66868600	Dpysl2	**0.7555**	14596
chr12	51593341	51605773	Coch	**1.67388**	18125
chr4	141213956	141220114	Rsg1	**0.38596**	1600
chr8	111127444	111145498	9430091E24Rik	**0.67178**	7280
chr8	84030296	84042575	Il27ra	**0.49381**	5700
chr8	40862367	40922070	Slc7a2	**0.4584**	15700
chr1	9667411	9700209	Mybl1	**0.69824**	15170
chr16	11254368	11254445	Mir1945	**0.13823**	47
chr6	48571783	48572670	Rarres2	**2.5562**	4290

chr18	84610509	84650095	Cndp1	**0.46156**	5692
chr8	104170513	104219097	Bean1	**0.69152**	10222
chr10	85928491	85929647	Ascl4	**0.49925**	2518
chrX	73655992	73660070	Pnck	**0.38749**	2831
chr4	40920056	40931395	Spink4	**1.75**	2998
chr4	11558920	11615808	Rad54b	**0.56931**	7259
chr7	114718643	114723365	Calcb	**0.61166**	2565
chr7	42660108	42692718	Gm5595	**0.57157**	7836
chr5	71569734	71658308	Gabra4	**1.16031**	20854
chr11	69935899	69941599	Ybx2	**0.54608**	3723
chr4	43631935	43651240	Npr2	**0.8346**	13301
chr9	49436961	49486225	Ttc12	**1.03276**	16342
chr6	116633008	116673836	Rassf4	**0.61057**	16885
chr11	58867240	58884338	2810021J22Rik	**0.60901**	12987
chr9	50533087	50555138	Bco2	**0.90667**	8201
chr13	23581602	23581969	Hist1h4d	**0.18701**	300
chr10	94790866	94944578	Plxnc1	**0.40407**	12409
chr5	107331194	107387058	Brdt	**0.74266**	15248
chr11	97989580	97996173	Arl5c	**0.50745**	3453
chr12	76580488	76710547	Sptb	**0.7568**	34290
chr8	84415364	84640249	Cacna1a	**0.55462**	19085
chr5	8798147	8866314	Abcb1b	**0.75881**	14369
chr17	55952623	55957022	Ebi3	**0.74193**	2914
chr6	4674350	4747204	Sgce	**0.76125**	6222
chr18	49696145	49755601	Dtwd2	**0.7505**	10289
chr7	44525995	44532071	Spib	**0.54263**	6590
chr7	80862108	80876513	Zscan2	**0.62218**	6200
chr2	131040326	131040398	Mir6973b	**0.35196**	112
chr1	178405881	178483249	Efcab2	**0.76685**	8484
chr11	102348820	102365281	Slc4a1	**0.71463**	14174
chr2	152754173	152765037	Cox4i2	**0.58439**	1852
chr6	124864693	124888209	Cd4	**0.46407**	6261
chr4	141420779	141425310	Hspb7	**1.77356**	21400
chr12	79297282	79814690	Rad51b	**0.63015**	7793
chr9	123767211	123783457	Ccr9	**0.64668**	12381
chr14	22019712	23056088	1700112E06Rik	**1.15835**	4600
chr1	133679029	133690108	Lax1	**0.42572**	4400
chr8	94902869	94918098	Ccdc102a	**0.71688**	7200
chr18	37714834	37717374	Pcdhga7	**0.38107**	4221
chr4	141546162	141548313	B330016D10Rik	**0.75675**	7099
chrX	13467672	13489313	Nyx	**0.27533**	4346
chr5	137288254	137294466	Ache	**0.42935**	4140
chr18	38993145	39376285	Arhgap26	**0.54614**	18805
chr13	60934155	60936625	Ctla2a	**1.33297**	8100
chr3	14766214	14808365	Car1	**0.67883**	3693
chr5	20950989	20956398	A630072M18Rik	**0.60311**	12735
chr7	125603429	125633570	Il21r	**0.55789**	6340

chr12	118231686	118301440	Sp4	**0.76171**	29920
chrX	98149750	98317147	Ar	**0.51266**	6702
chr14	45351186	45376420	Styx	**0.80593**	13329
chr19	10789339	10830058	Cd6	**0.195**	2579
chr12	104263122	104269365	Serpina3i	**0.49856**	4766
chr11	53785489	53859256	Gm12216	**0.93155**	4678
chr2	153222370	153225441	Tspyl3	**0.5302**	7100
chr3	7572077	7613427	Il7	**0.85866**	9264
chr11	90476493	90638108	Stxbp4	**0.5929**	15528
chr18	37747188	37749605	Pcdhga10	**0.5256**	5540
chr7	141438515	141443355	Pidd1	**0.76439**	9663
chr6	82877866	82881853	2310069B03Rik	**1.00982**	8060
chr4	46039222	46114745	Tmod1	**1.49315**	10310
chr4	11704447	11714993	Gem	**1.13492**	11166
chr4	112385969	112433985	Skint9	**0.3008**	1799
chr14	121952331	121965193	Gpr183	**0.56127**	7198
chr19	59260878	59296012	Slc18a2	**0.61667**	10223
chr1	173896341	173913046	Mnda	**1.29512**	10100
chr13	67194506	67209298	Zfp455	**0.48215**	5700
chr12	76417599	76439491	Ppp1r36	**0.50664**	3209
chr8	85053160	85060460	A230103J11Rik	**0.64542**	4012
chr7	127442136	127449158	Zfp689	**0.64278**	10146
chr6	118427319	118455506	Zfp248	**0.72568**	11581
chr4	48279760	48431953	Invs	**0.52021**	13089
chr6	112473684	112489808	Oxtr	**0.47206**	9400
chr4	34711332	34730206	1700003M02Rik	**0.73527**	5500
chr5	134702596	134747254	Eln	**0.92853**	15304
chrX	140007673	140062568	Nup62cl	**0.58754**	2889
chr7	122107262	122132946	Palb2	**0.66515**	11450
chr6	107529726	107570228	Lrrn1	**0.97722**	16000
chr8	105413622	105464086	Lrrc36	**0.65643**	7148
chrX	10158216	10216795	Rpgr	**0.82325**	24227
chr11	11685925	11772926	Ikzf1	**0.42114**	10398
chr3	40846999	40875609	Gm2011	**0.37444**	1296
chr6	55170627	55174990	Inmt	**1.57981**	7045
chr19	43440436	43497213	Cnnm1	**0.3909**	8588
chr2	25291194	25319187	Grin1	**0.5061**	5939
chr1	170644532	170682789	Olfml2b	**0.88945**	12000
chr3	159495433	159529955	Depdc1a	**0.60744**	8799
chr3	95236920	95241109	Gm128	**0.59645**	3822
chr3	82892582	82903974	Lrat	**0.49749**	11600
chr14	30879257	30881610	Mustn1	**1.77529**	9124
chr6	40574898	40585805	Clec5a	**0.42139**	7017
chr8	25808513	25815982	Star	**0.89958**	15713
chr10	79716634	79736108	Hcn2	**0.86161**	12000
chr11	106374826	106377114	2310007L24Rik	**0.46375**	1595
chr7	44986900	44994601	Gm15545	**0.82494**	3276

chr17	69416447	69419192	C030034I22Rik	**0.70241**	8408
chr17	12888902	12910000	Pnldc1	**0.74593**	5492
chr2	19655806	19657897	Gm3230	**0.43424**	3960
chr1	86154780	86278284	Armc9	**0.61034**	13984
chr4	141404357	141415988	Clcnkb	**0.58606**	5978
chr12	105705982	105782447	Ak7	**0.45354**	6115
chr1	135434580	135585355	Nav1	**0.5153**	28678
chr7	122289125	122634401	Prkcb	**0.38192**	14699
chr8	39581700	39642678	Msr1	**0.36694**	6395
chr15	83353847	83367297	1700001L05Rik	**0.57911**	15154
chr16	55899888	55934848	Cep97	**0.48991**	17561
chr14	31014293	31014351	Snord69	**0.67266**	173
chr5	148871584	148928647	Katnal1	**0.46574**	12500
chrX	134756568	134761456	Armcx3	**0.40662**	6000
chr19	8802496	8804854	Zbtb3	**0.76829**	6936
chr14	78569609	78725089	Dgkh	**0.53612**	10825
chr6	48764464	48770851	Gimap3	**0.5295**	4951
chr11	102268823	102278061	Asb16	**0.48761**	2895
chr8	70629394	70631635	Gdf15	**0.63488**	3000
chr1	171121661	171126967	1700009P17Rik	**0.70485**	3177
chr2	25085720	25095205	Noxa1	**0.52508**	3708
chr19	56320090	56390038	Nrap	**2.52667**	60060
chr7	45725107	45725816	Spaca4	**0.91567**	2834
chr3	108212266	108226599	Sypl2	**1.1225**	15888
chr11	100262882	100269871	Krt42	**0.59983**	4045
chr7	100503020	100514815	Dnajb13	**0.34681**	1728
chr10	41538849	41587753	Ccdc162	**0.53308**	6388
chr1	162829561	162866548	Fmo1	**0.97412**	9877
chr9	50662753	50727984	Dixdc1	**0.61823**	15407
chr13	49608071	49624500	Ogn	**0.7405**	8199
chr18	89197427	89270327	Cd226	**0.4898**	5310
chr17	47695207	47704286	Frs3	**0.68786**	5916
chr2	105657862	105661343	Paupar	**0.87571**	13292
chr7	30589681	30592942	Zbtb32	**0.40297**	3118
chr1	136052901	136119822	Cacna1s	**1.64975**	44911
chr19	45027105	45045772	Pdzd7	**0.8695**	14043
chr7	12977848	12985716	Zfp446	**0.73148**	15669
chr1	86045863	86055456	2810459M11Rik	**0.3168**	4600
chr14	64104323	64113751	Prss52	**0.29152**	1300
chr8	122625136	122699109	Cbfa2t3	**0.30957**	10747
chr6	38123174	38254009	D630045J12Rik	**0.51222**	23916
chr1	175662421	175692632	Opn3	**0.47502**	3663
chr15	85017141	85022560	Upk3a	**0.56003**	2700
chr19	12585868	12596566	A330040F15Rik	**0.63324**	3053
chr3	96433788	96452306	BC107364	**0.49819**	2517
chr4	100095791	100442545	Ror1	**0.43368**	6696
chr17	34629686	34632260	Prrt1	**0.35992**	1445

chr11	115116214	115133992	Cd300lf	**0.38189**	3138
chrX	99042581	99074728	Stard8	**0.70647**	15284
chr3	63295435	63383713	Mme	**0.66576**	18536
chr7	45324958	45325651	Rpl14-ps1	**0.97546**	2951
chr7	24227795	24237598	Zfp109	**0.47584**	5698
chr3	95217457	95226658	Gm16740	**0.29949**	641
chr16	17797282	17808287	Scarf2	**0.82466**	11870
chr1	176834624	176836133	Hmga2-ps1	**0.51395**	3383
chr5	135023572	135051099	Stx1a	**0.91872**	8294
chr17	40598594	40602617	Esp4	**0.29091**	700
chr18	4634929	4682869	9430020K01Rik	**0.63392**	18600
chr11	24481909	24569951	4933430M04Rik	**0.27973**	906
chr5	81021593	81795730	Lphn3	**0.67428**	17083
chr1	171419033	171420352	Tstd1	**0.63075**	1515
chr8	20385782	20424814	2610005L07Rik	**0.65805**	11500
chr17	34613450	34615971	Egfl8	**0.89628**	4118
chr3	107926334	107931745	Gstm7	**0.84378**	4800
chr15	39076932	39087119	Cthrc1	**0.90657**	4600
chr4	62452632	62470895	Wdr31	**0.46778**	5214
chr19	42045851	42070939	Hoga1	**0.56698**	4041
chr3	129677575	129740041	Egf	**0.51849**	9608
chr1	162639150	162649694	Myoc	**1.90773**	16524
chr10	53278081	53379851	Cep85l	**0.39154**	4593
chr11	100545632	100572566	Ttc25	**0.44773**	5500
chr13	23570663	23571220	Hist1h2ae	**0.54062**	1315
chr12	40446053	40846488	Dock4	**0.51291**	18032
chr11	77089915	77188968	Efcab5	**0.40311**	8178
chr18	36528152	36556272	Slc4a9	**0.47964**	7184
chr18	38586265	38601268	Spry4	**0.52973**	10599
chr5	98254184	98277033	Fgf5	**0.80612**	8799
chr6	85587531	85702751	Alms1	**0.49194**	21410
chr9	21526177	21545331	AB124611	**0.66732**	3802
chr4	116807734	116819431	Mutyh	**0.7486**	5665
chr7	100643896	100662394	Plekhb1	**0.86206**	8365
chr8	69654556	69664453	Zfp964	**0.58788**	4459
chr8	70808449	70821423	Il12rb1	**0.35177**	4404
chr12	50341232	50649223	Prkd1	**0.90668**	14928
chr13	83504034	83667079	Mef2c	**1.88907**	54061
chr17	6308315	6317474	Dynlt1a	**0.52507**	6807
chr11	49794155	49838620	Gfpt2	**0.85461**	11124
chr8	104628066	104631321	Rrad	**0.72302**	4964
chr16	10835059	10843235	Rmi2	**0.3618**	5897
chr4	120588745	120609672	Gm8439	**0.65864**	1203
chr7	79792241	79793590	Mesp1	**0.55018**	2583
chr5	136218149	136244903	Sh2b2	**0.43142**	5356
chr1	75220095	75232093	A630095N17Rik	**0.24346**	814
chr5	123930689	123969895	Ccdc62	**0.51276**	8762

chr11	116336345	116413032	Rnf157	**0.58403**	11851
chr11	5900821	5950081	Gck	**0.59528**	7520
chr11	46054502	46147347	Adam19	**0.45332**	12720
chr17	67842708	68004108	Arhgap28	**0.47542**	11015
chr10	127667123	127668851	1700012D01Rik	**0.59183**	1793
chr6	142587862	142702274	Abcc9	**0.66079**	21258
chr15	77729072	77736382	Apol9b	**0.63312**	4402
chr3	95734911	95734973	Mir7014	**1.45653**	400
chrX	136822746	136838582	Plp1	**0.49388**	7477
chr10	41490439	41514288	Ppil6	**0.52034**	2427
chr8	117095865	117133720	Bco1	**0.482**	5320
chr15	76704243	76710559	Recql4	**0.53398**	8147
chr10	119454034	120087260	Grip1	**0.66475**	13657
chr11	29744415	30026033	Eml6	**0.52514**	15374
chr19	58235581	58455398	Gfra1	**0.55735**	11295
chr3	95004168	95004239	Mir7013	**0.30268**	95
chr9	98562460	98563611	4930579K19Rik	**0.57371**	2881
chr15	80287238	80398292	Cacna1i	**0.58559**	25001
chr5	124250959	124327972	Mphosph9	**0.59145**	20092
chr6	116650684	116652847	8430408G22Rik	**0.4703**	2700
chr17	71252176	71310965	Emilin2	**0.767**	13073
chr4	98754892	98817537	Kank4	**0.34355**	7190
chr9	71215789	71296243	Aldh1a2	**0.38504**	3800
chr8	84208518	84208592	Mir23a	**0.51692**	169
chr11	94755136	94761182	Gm11545	**0.32668**	3835
chr11	86058136	86201193	Brip1	**0.55301**	16713
chrX	150589921	150643878	Pfkfb1	**0.80601**	6110
chr2	14070333	14073934	Stamos	**0.74527**	2599
chr8	105566695	105579845	Agrp	**0.40325**	1517
chr5	86071828	86103993	Stap1	**0.47698**	2362
chr13	56173703	56178885	Tifab	**0.39414**	5900
chr16	18776847	18778262	Cldn5	**0.72903**	4500
chr18	37707229	37709652	Pcdhga6	**0.72067**	7615
chr5	75152291	75198204	Pdgfra	**0.66967**	19579
chr10	127501717	127508815	Stac3	**1.2976**	10125
chr4	126340678	126429542	Ago3	**0.40013**	13317
chr4	62559847	62703019	Rgs3	**0.4026**	12815
chr17	73493751	73710451	Galnt14	**0.40376**	4342
chr16	36603869	36666077	Cd86	**0.32472**	3594
chr6	88547722	88627448	Kbtbd12	**0.3623**	3225
chr11	68432125	68497846	Pik3r5	**0.42468**	8077
chr9	32422204	32541452	Fli1	**0.45881**	6350
chr9	62419492	62537044	Coro2b	**0.4447**	6998
chr15	80078503	80078579	Snord83b	**0.32474**	109
chr6	34780432	34859459	Agbl3	**0.6012**	14663
chr6	8507059	8509161	A430035B10Rik	**0.50751**	4283
chr11	70018605	70045531	Dlg4	**0.60579**	8783

chr17	21816876	21845759	Zfp820	**0.51058**	8224
chr9	51839493	51875885	Arhgap20os	**0.53394**	3077
chr3	94693573	94704406	Selenbp2	**0.56518**	4176
chr11	116672505	116672582	Snord1c	**0.37057**	126
chr17	8236043	8257129	Ccr6	**0.15794**	1432
chr15	77403789	77411080	Apol9a	**1.12295**	7700
chr19	34067358	34084918	Lipn	**0.37282**	2441
chr6	48739047	48743795	Gimap1	**0.4236**	2779
chr9	72925650	72946015	Pygo1	**0.34838**	2650
chr1	75198235	75210778	Glb1l	**0.7812**	9409
chr17	37193892	37196101	Ubd	**0.34276**	1400
chr1	176733653	176807124	Cep170	**0.52749**	15935
chr2	102550021	102643040	Pamr1	**0.81746**	10170
chr4	112081470	112168076	Skint4	**0.23876**	4160
chr3	28781311	28798846	Eif5a2	**0.53105**	11556
chr10	12916646	12923127	B230208H11Rik	**0.80699**	4158
chr3	90064425	90068347	1700094D03Rik	**0.73551**	9516
chr3	129269177	129332749	Enpep	**0.31472**	5773
chr10	81497745	81500137	S1pr4	**0.48891**	5100
chr2	176798600	176808704	Gm14295	**0.69941**	3997
chr9	54950257	54950954	AY074887	**0.58563**	1667
chr7	30036359	30051396	Zfp14	**0.40742**	6200
chr17	34972703	34979228	Hspa1l	**0.86081**	9062
chr7	43437138	43438246	Nkg7	**0.36682**	1300
chr2	32646595	32682608	Eng	**0.97668**	14948
chr3	36475937	36482299	1810062G17Rik	**0.67234**	2670
chr8	123840844	123860209	Ccsap	**0.48799**	5686
chr8	116505015	116515915	Dynlrb2	**0.34878**	783
chr14	34194441	34201633	Gprin2	**0.27225**	1900
chr10	127048246	127053006	Cyp27b1	**0.37902**	4000
chr2	44983512	45113098	Zeb2	**0.59774**	23185
chr6	3962595	3968354	Tfpi2	**0.9672**	6358
chr14	55757842	55758424	Cideb	**0.25609**	355
chr4	106483458	106492243	Bsnd	**0.31976**	3783
chr2	165503897	165519917	Slc2a10	**0.47397**	7095
chr19	42725858	42752775	Pyroxd2	**0.61466**	8357
chr2	166793767	166799492	Trp53rk	**0.58736**	11299
chr5	108132914	108232949	Ccdc18	**0.62176**	12622
chr5	138165321	138165404	Mir25	**0.49977**	183
chr1	150100124	150108012	Ptgs2	**0.47441**	8572
chr9	50617465	50625000	Pih1d2	**0.63821**	3102
chr4	9770585	9823411	4930412C18Rik	**0.4332**	7495
chr4	43482083	43483709	Sit1	**0.52929**	2771
chr6	13835074	13839848	Gpr85	**0.36886**	4745
chr15	56689944	56693993	Has2os	**0.58903**	778
chr1	184033032	184033998	1700056E22Rik	**1.11499**	4700
chr15	13034200	13173639	Cdh6	**0.44303**	5083

chr3	116110020	116129688	Vcam1	**0.44679**	6618
chr1	173920403	173942492	Ifi203	**0.94261**	15573
chr2	144265982	144266202	Snord17	**0.31141**	300
chr10	23785754	23785821	Snord100	**0.77929**	231
chr10	39134023	39150970	Tube1	**0.73318**	9080
chr7	6383318	6396637	Zfp28	**0.35921**	6492
chr2	91035627	91045729	Rapsn	**0.4673**	3300
chr2	128298663	128429351	Gm14005	**0.8983**	17582
chr6	129591811	129598775	Klrd1	**0.31682**	1196
chr14	50956141	50964749	Pnp2	**0.43142**	2300
chr12	11090202	11150842	Kcns3	**0.38239**	5099
chr14	54369670	54417679	Slc7a7	**0.72758**	7152
chr3	107467548	107518018	Slc6a17	**0.37761**	10398
chr4	155761192	155763560	Atad3aos	**0.48854**	1446
chr9	106892825	107231909	Dock3	**0.47002**	18569
chr10	7832470	7870397	Zc3h12d	**0.40904**	7298
chr2	120031502	120031574	Jmjd7-pla2g4b	**0.55937**	178
chr11	94501347	94521502	Mycbpap	**0.31566**	4029
chr6	60731573	60829855	Snca	**1.072**	6874
chr9	67830532	67832330	C2cd4a	**0.66411**	3914
chr4	155469114	155470858	Tmem52	**0.88894**	3751
chr19	27761721	28011166	Rfx3	**0.48007**	19548
chr8	93056727	93080017	Ces1b	**0.2747**	2353
chr11	94962777	94976327	Sgca	**1.27795**	9682
chr4	140906360	140952586	Padi2	**0.69722**	14008
chr15	100674422	100687920	Cela1	**0.63283**	3051
chr14	31139125	31168641	Stab1	**0.65665**	22576
chr4	73939371	73950846	2310002L09Rik	**1.20123**	11300
chr11	79481723	79484031	AU040972	**0.56953**	2577
chr2	126593660	126618678	Hdc	**0.46187**	4830
chr17	13487021	13554094	2700054A10Rik	**0.69866**	13242
chr11	78503513	78505081	Sebox	**0.21423**	1200
chr11	58379032	58390541	Lypd8	**0.9938**	4800
chr7	30240138	30280421	Wdr62	**0.46383**	9592
chr1	80501068	80758553	Dock10	**0.38095**	12541
chr13	32881397	32898140	Serpinb1c	**0.38736**	2700
chr7	142650768	142661035	Igf2	**1.1871**	21413
chr6	61175604	61180810	A730020E08Rik	**0.33837**	2450
chr1	171632403	171653037	Slamf7	**0.34898**	6050
chr10	58497937	58576244	Ccdc138	**0.46429**	4991
chr5	15934691	16374511	Cacna2d1	**0.83088**	27139
chr2	181384250	181387596	Slc2a4rg-ps	**0.52449**	6827
chr13	38006052	38036937	Cage1	**0.45038**	5611
chr17	7170115	7303316	Rps6ka2	**0.71027**	16741
chr4	48663514	48673492	Murc	**1.20695**	10754
chr14	70372480	70429094	Piwil2	**1.05279**	22547
chr11	9016054	9039591	Sun3	**0.80603**	4139

chr3	127553489	127618023	Zgrf1	**0.35804**	11000
chr5	123876736	123880020	Hcar1	**0.50057**	7168
chr15	74732252	74734313	Lypd2	**0.41964**	900
chr16	92058322	92087473	Slc5a3	**0.49068**	23032
chr6	48701583	48708244	Gimap6	**1.01011**	7098
chr10	81606308	81609836	BC025920	**0.44643**	3678
chr2	177464742	177479194	Gm14420	**0.56918**	11572
chr4	107802259	107876840	Lrp8	**0.49678**	12926
chr2	150218099	150244874	Zfp937	**0.53644**	16182
chr11	120361534	120368173	Fscn2	**0.40005**	2996
chrX	105040854	105070124	5530601H04Rik	**0.59152**	9623
chr5	87925633	87932264	Csn3	**0.34461**	2399
chr5	143357338	143391798	Grid2ip	**0.49227**	9062
chr2	92974906	93046144	Prdm11	**0.47095**	3839
chr11	114982446	114989886	Cd300ld	**0.4894**	5199
chr13	59769966	59773680	Etohd2	**0.70546**	6624
chr9	77366412	77399416	5730403I07Rik	**0.19032**	1685
chr7	30603092	30612734	Upk1a	**0.45267**	2581
chr5	129654595	129670088	Zfp11	**0.48681**	8310
chr6	28828126	28831747	Lrrc4	**0.50035**	7900
chr1	135108498	135132575	Ptprv	**0.395**	10469
chr13	33832345	33843408	Serpinb6e	**0.19961**	1300
chr13	67096613	67114028	Rslcan18	**0.28476**	3472
chr6	59352461	59426290	Gprin3	**0.35898**	4851
chr10	4612046	5003761	Esr1	**0.35406**	6666
chr2	27886425	28039510	Col5a1	**0.59573**	21819
chr11	113203315	113209669	4732490B19Rik	**0.62762**	6692
chr6	60944317	60989378	Mmrn1	**1.28651**	25999
chr5	137821952	137836278	Pilra	**0.6182**	5713
chrX	153238045	153396134	Klf8	**0.44774**	8699
chr7	30729779	30743681	Gapdhs	**0.55979**	3919
chr15	58314573	58324169	Klhl38	**0.48141**	4642
chr15	10177238	10349180	Prlr	**0.39088**	22858
chr7	43527456	43533171	Cd33	**0.59987**	6723
chr2	67446002	67526604	Xirp2	**1.88195**	98190
chr1	136411916	136415519	9230116N13Rik	**0.83937**	7113
chr11	5106266	5152222	Emid1	**0.44548**	3711
chr15	102523839	102524621	Npff	**0.38062**	740
chr8	90247112	90348252	Tox3	**0.49509**	6891
chr13	49230831	49248706	Susd3	**0.43961**	2748
chr10	116950562	116963279	4933412E12Rik	**0.54131**	4068
chr3	100922493	100936925	Trim45	**0.46889**	11857
chr5	37242058	37292163	Crmp1	**0.28615**	4286
chr15	99670718	99701128	Asic1	**0.68921**	15133
chr13	114835912	114932041	Itga2	**0.4271**	7853
chr11	76217613	76218665	Dbil5	**0.23299**	584
chr1	60909025	60915832	Ctla4	**0.55719**	4695

chr15	98567324	98570864	9330020H09Rik	**0.60251**	8872
chr10	76253836	76261319	S100b	**0.50093**	3627
chrY	90785442	90816465	Erdr1	**5.7206**	19376
chr15	5118421	5118480	Snord72	**2.51196**	657
chr6	99692679	99693818	Gpr27	**0.21049**	1046
chr6	124760055	124769509	Eno2	**0.34031**	3903
chr19	39061006	39093948	Cyp2c65	**1.05187**	8900
chr16	10480072	10527564	Ciita	**0.38648**	9591
chr17	13108617	13131791	Unc93a	**0.49144**	5662
chr19	47178820	47259441	Neurl1a	**0.68623**	13198
chr2	52136647	52338798	Neb	**1.22864**	120142
chr18	20684599	20746404	B4galt6	**0.37918**	9600
chr1	161017756	161034259	Zbtb37	**0.25173**	4261
chr11	83293430	83294644	AI450353	**0.21328**	926
chr1	71027535	71102972	Bard1	**0.55578**	13199
chr5	107437997	107491596	Btbd8	**0.2996**	1481
chr7	29859979	29877302	Zfp420	**0.67424**	9799
chr10	60181528	60219260	Chst3	**0.45415**	12100
chr3	151730923	151749959	Ifi44	**0.53777**	6817
chr4	16164110	16266225	A530072M11Rik	**0.53288**	4302
chr8	21839926	21843481	Defb2	**0.2943**	390
chr4	115518287	115533649	Cyp4a10	**0.7918**	7200
chr13	67779693	67789080	Zfp493	**0.36458**	5200
chr1	12692430	12860372	Sulf1	**0.45715**	9693
chr6	122847140	122856157	C3ar1	**0.42151**	7899
chr4	141615136	141615604	AI507597	**0.55908**	1143
chr8	71406012	71409904	Ankle1	**0.65381**	6082
chr13	46501903	46650281	Cap2	**1.07226**	17098
chr6	83152710	83156379	Wdr54	**0.61597**	3402
chr9	66065176	66069731	Snx22	**0.36693**	3255
chr2	122280437	122298165	Duox2	**0.44833**	8900
chr14	116925297	117979529	Gpc6	**0.30377**	8978
chr17	34728381	34743897	C4b	**1.57043**	36919
chrX	107089335	107104970	P2ry10	**0.36516**	4500
chr3	51276761	51278407	4930577N17Rik	**0.75169**	4381
chr16	3847223	3858880	Zfp174	**0.4478**	11599
chr11	107703218	107716476	Cacng1	**1.80719**	9477
chr11	87377607	87404954	Rad51c	**0.38737**	5596
chr7	118872821	118972039	Iqck	**0.53702**	2870
chr13	48536012	48536114	Mirlet7d	**0.69712**	313
chr16	23110770	23110933	Snora81	**0.5861**	419
chr6	85910154	85915677	Cml1	**0.39936**	1760
chr13	55369732	55384687	Rgs14	**0.66835**	6864
chr14	70774381	70778494	Dok2	**0.56115**	4200
chr18	4353547	4368945	4833419F23Rik	**0.53093**	2039
chr15	57243771	57477625	Slc22a22	**0.51228**	5288
chr7	4922251	4925006	Nat14	**0.77431**	5441

chrX	160784308	160994681	Cdkl5	**0.55662**	7876
chr1	172581377	172590568	Slamf8	**0.37109**	3300
chr13	105147494	105293014	Rnf180	**0.35456**	5850
chr6	115810729	115838412	Efcab12	**0.54576**	6069
chr19	34550694	34576534	Ifit2	**0.60409**	10399
chr4	11966574	11994295	1700123M08Rik	**0.68541**	3185
chr7	46097123	46100764	Kcnj11	**0.67978**	7903
chr10	57784923	57788450	Fabp7	**0.45158**	1500
chr13	23698084	23698458	Hist1h4c	**0.16395**	268
chr19	25672411	25678991	Dmrt2	**0.36909**	3760
chr11	78920859	78960124	Nos2	**0.86983**	15129
chr9	110243783	110262576	Cspg5	**0.30881**	5211
chr5	105270702	105293699	Gbp6	**0.75789**	14259
chr7	104470014	104507849	Trim30d	**0.40643**	6658
chr11	75599646	75600231	Gm12338	**0.40361**	1031
chr6	113424634	113435760	Cidec	**0.57351**	4300
chr11	104231436	104332089	Mapt	**0.40802**	9569
chr2	173579320	173659539	Ppp4r1l-ps	**0.40816**	7946
chr9	100552188	100571085	Slc35g2	**0.51945**	3589
chr9	89909775	90026979	Rasgrf1	**0.31284**	6449
chrX	112600526	112635062	Zfp711	**0.59671**	11263
chr4	42754525	42756518	Ccl19	**0.79494**	2495
chr19	54045182	54048982	Adra2a	**0.51904**	8600
chr13	21750145	21750553	Hist1h4k	**0.19463**	347
chr12	101746565	101819119	Fbln5	**0.74987**	19263
chr6	48628167	48633688	AI854703	**0.45431**	7076
chr8	35582503	35584612	Gm16793	**0.2692**	1813
chr14	57798189	57798217	Sap18	**1.53463**	194
chr16	55839953	55895279	Nxpe3	**0.45053**	12628
chr11	104132882	104175518	Crhr1	**0.58853**	6229
chr6	88198664	88207032	Gata2	**0.42429**	5998
chr11	85235166	85238304	D630032N06Rik	**0.45271**	1263
chr17	12741311	12859884	Airn	**0.61586**	5874
chr1	21398403	21961942	Kcnq5	**0.44365**	13499
chrX	20961676	20987349	A230072C01Rik	**0.46118**	4268
chr13	21467047	21468501	Nkapl	**0.39243**	2489
chr4	145829940	145831978	Znf41-ps	**0.27002**	2400
chr15	66670770	66850720	Tg	**0.28145**	10350
chr1	87386284	87394729	Kcnj13	**0.24488**	1440
chr11	120186650	120189856	2810410L24Rik	**0.6913**	5144
chr10	80852825	80855209	Lsm7	**0.74115**	1512
chr13	32700827	32781779	Mylk4	**1.44555**	35546
chr5	52363804	52369738	Sod3	**0.87487**	7799
chrX	13632769	13640858	Gpr34	**0.58173**	4813
chr4	95959711	95967655	9530080O11Rik	**0.26327**	1780
chr11	76998597	77032343	Slc6a4	**0.82851**	9921
chr15	82221744	82224336	Tnfrsf13c	**0.52958**	4400

chr6	122727809	122742745	Slc2a3	**0.39402**	6800
chr7	45183676	45204892	Ccdc155	**0.43026**	4145
chr7	73313806	73375519	A730056A06Rik	**0.35475**	3832
chr2	10153543	10256529	Itih5	**0.76882**	26570
chr5	139352617	139357033	Cyp2w1	**0.24063**	1586
chrX	81070644	81097875	Tmem47	**0.9329**	16600
chr11	80477046	80481179	Cdk5r1	**0.32524**	5861
chr11	70166623	70170836	Clec10a	**0.82668**	5409
chr6	48684578	48692062	Gimap4	**0.64569**	2840
chr8	57774052	58911627	Galntl6	**0.56758**	12591
chr9	36890979	37147322	Pknox2	**0.41939**	6490
chr4	43875530	43944806	Reck	**0.46533**	8992
chr16	17139064	17144423	Ccdc116	**0.61843**	10441
chr4	48051248	48083352	Nr4a3	**0.39123**	3213
chr16	88758847	88759789	2310034C09Rik	**0.65683**	2700
chr13	75089987	75132498	Pcsk1	**0.85142**	9338
chr2	34874436	34892133	Cutal	**0.39143**	3945
chr7	28351540	28351633	AF357399	**0.70285**	288
chrX	95022507	95026682	Spin4	**0.51066**	9296
chr6	47943175	47954549	Zfp783	**0.20104**	3700
chr4	152390740	152477549	Kcnab2	**0.39821**	6565
chr2	85753363	85754306	Olfr1010	**0.19411**	792
chr15	73512560	73572242	Dennd3	**0.47751**	11030
chr11	62603460	62603521	Snord49a	**0.99531**	269
chr11	103697724	103725573	C130046K22Rik	**0.39583**	5984
chr5	150522621	150570146	Brca2	**0.37778**	18334
chrX	12134454	12137470	2900008C10Rik	**0.28402**	1612
chr8	72204335	72212837	Cib3	**0.53267**	1500
chr4	111919555	111950356	Skint8	**0.31395**	1749
chr2	178066878	178078425	Zfp931	**0.50458**	3913
chr18	25477620	25753983	Celf4	**0.51955**	12547
chr9	109830154	109831431	3000002C10Rik	**0.12565**	700
chr4	41390748	41464848	Kif24	**0.31833**	7768
chr4	132724904	132732546	Xkr8	**0.61708**	11400
chr18	52767811	52915931	Sncaip	**0.56355**	9787
chrX	160390690	160498076	Gpr64	**0.56918**	11696
chr10	86048746	86498896	Syn3	**0.43418**	22405
chr7	81534354	81566981	Fsd2	**0.85116**	11042
chr2	32587078	32599696	St6galnac4	**0.41199**	7173
chr6	72206177	72235577	Atoh8	**0.54628**	5608
chr7	16246743	16259540	C5ar1	**0.60989**	6596
chr3	154576520	154594534	Tyw3	**0.53296**	9660
chr14	67745229	67749436	Gnrh1	**0.3296**	750
chr8	94923694	94943290	Gpr114	**0.46369**	5700
chr2	60411525	60412574	Gm13580	**0.28624**	700
chr10	39621411	39732007	E130307A14Rik	**0.44516**	3229
chr7	43651070	43660161	Siglece	**0.41625**	3355

chr1	134037515	134048277	Fmod	**1.05113**	13100
chr9	44793779	44799216	Tmem25	**0.69795**	7162
chr14	29996168	30008896	Il17rb	**0.3554**	3193
chr16	30008667	30021430	4632428C04Rik	**0.74802**	7917
chr8	26814597	26824423	2310008N11Rik	**1.77462**	4363
chr1	193178164	193201546	Traf3ip3	**0.39361**	3200
chr2	167298445	167349178	B4galt5	**0.46923**	8599
chr9	51213690	51240079	Pou2af1	**0.41124**	4600
chr4	121316316	121324917	Gm12888	**4.25318**	21896
chr1	131527989	131539872	Fam72a	**0.37881**	3476
chr7	100285520	100319699	P4ha3	**0.26594**	2737
chr13	16014475	16027211	Inhba	**0.23165**	1544
chr9	7692111	7699416	Mmp7	**0.72479**	2774
chr9	48362041	48400025	Nxpe4	**0.50363**	6966
chr10	79860475	79874634	Lppr3	**0.52387**	9356
chr15	62037987	62250975	Pvt1	**0.68515**	9181
chr10	111298679	111301736	Bbs10	**0.48155**	5779
chr11	4064853	4078990	Sec14l3	**0.12562**	2151
chr4	148495280	148500462	Angptl7	**0.29971**	2694
chr7	45405960	45411382	Kcna7	**0.9419**	14346
chr1	85717083	85736606	A630001G21Rik	**0.72435**	6113
chr3	57425410	57441675	Tm4sf4	**0.13127**	800
chr14	54631992	54641364	Cdh24	**0.4282**	5092
chrX	73639441	73643514	Dusp9	**0.38778**	4564
chr16	46035657	46120248	Cd96	**0.31723**	3016
chr6	71707681	71810705	Reep1	**0.53507**	8861
chr7	44384126	44400030	Syt3	**0.66121**	7200
chr15	85703773	85707524	Mirlet7bhg	**0.65999**	3766
chr8	71597646	71608149	Fam129c	**0.40095**	4338
chr10	62659422	62726099	Stox1	**0.32894**	4448
chr11	62603086	62603148	Snord49b	**0.18935**	52
chr1	171225054	171226379	Apoa2	**0.17613**	400
chr8	105312340	105326276	Lrrc29	**0.43841**	3675
chr7	111117673	111122675	1700012D14Rik	**0.48725**	1336
chr7	140809677	140822178	Zfp941	**0.28169**	4800
chr3	95898801	95904639	Car14	**0.47603**	2515
chr4	119205055	119218217	4930538K18Rik	**0.37614**	2466
chr18	60573717	60591716	Myoz3	**1.7315**	25640
chr7	4119533	4136241	Ttyh1	**0.4337**	6978
chr9	58156264	58159221	Islr	**0.88128**	9047
chr18	35713089	35721491	Ecscr	**0.74355**	3601
chr4	134561690	134704290	Man1c1	**0.53996**	11098
chr13	100144063	100202122	Naip2	**0.48774**	10318
chr2	84936646	84958509	Slc43a3	**0.57726**	6545
chr1	171150713	171161123	Mpz	**0.68326**	5936
chr8	13037308	13056676	F10	**0.19593**	2300
chr2	33133419	33371494	Ralgps1	**0.45433**	12493

chr9	54365158	54501626	Dmxl2	**0.36144**	16723
chr5	87885695	87892742	Odam	**0.29962**	1135
chr13	21421275	21441053	Pgbd1	**0.46464**	7251
chr11	48945352	48946149	Psme2b	**0.45507**	1583
chr7	4007073	4063204	Lair1	**0.47977**	7345
chr9	54025606	54068411	Tnfaip8l3	**0.16496**	1600
chr11	101172998	101175443	Ccr10	**0.46878**	3525
chr12	91045848	91056635	5430427M07Rik	**0.44107**	1965
chr13	66905415	66909166	Gm10767	**0.46867**	3375
chr13	119487257	119488384	3110070M22Rik	**0.52554**	2213
chrX	134086823	134111854	Nox1	**0.87929**	8283
chr7	110850607	110862953	Lyve1	**0.97947**	11131
chr10	60106257	60133913	Spock2	**0.55654**	9498
chr3	138526421	138526485	Mir1956	**0.15529**	44
chr3	108739658	108782309	Aknad1	**0.91558**	10389
chrX	17132049	17319368	Efhc2	**0.31419**	3498
chr15	97244074	97247287	Amigo2	**0.5627**	6900
chr1	44551671	44796836	Gulp1	**1.00649**	13057
chr6	65778962	65936377	Prdm5	**0.67055**	6378
chr7	44496588	44501134	Fam71e1	**0.37531**	1389
chr6	122952515	122969878	Clec4a3	**0.63819**	3700
chr5	113226909	113239263	Tmem211	**0.67967**	5413
chr5	137612505	137625078	Fbxo24	**0.60788**	5721
chr18	51117898	51304641	Prr16	**0.48686**	4720
chr4	117155771	117155848	Snord55	**0.34999**	119
chr1	58029969	58106410	Aox1	**0.61989**	11841
chr3	3508030	3659800	Hnf4g	**0.71883**	13098
chr13	30749258	30766927	Irf4	**0.28402**	5798
chr13	95477301	95478655	S100z	**0.27911**	365
chr16	19946492	19983049	Klhl6	**0.38154**	4000
chr7	45127383	45127463	Snord32a	**0.38234**	135
chr4	138967112	138968366	Rnf186	**0.27583**	1509
chr17	17064103	17089631	Zfp960	**0.55832**	3658
chr4	106442334	106464325	Pcsk9	**0.32372**	4956
chr11	82952102	82964850	Slfn5	**0.94396**	24327
chr1	17601901	17630939	Pi15	**0.71866**	21688
chr8	105860634	105860659	Nutf2	**1.15584**	131
chr7	29784790	29794540	Zfp30	**0.41943**	4761
chr3	59096448	59101821	Gpr171	**0.38684**	3752
chr15	66526212	66561046	Tmem71	**0.56525**	7222
chr10	79851377	79854971	E130317F20Rik	**0.40834**	5883
chr9	107581296	107587359	Hyal3	**0.29547**	2357
chr1	20951626	20990841	Efhc1	**0.67855**	6531
chr10	22158609	22173250	Raet1a	**1.00921**	1223
chr15	84167816	84189521	Pnpla3	**0.35528**	7200
chr3	32583528	32616535	Gnb4	**0.8524**	10222
chr15	35307010	35328535	BC048602	**0.91008**	2900

chr8	84086099	84086186	Mir709	**0.12513**	48
chr3	9250567	9285332	Zbtb10	**0.31099**	10097
chr1	132509425	132542940	Cntn2	**0.15636**	6499
chr7	102096879	102100229	Art5	**0.34919**	2609
chr4	152115934	152120119	Tnfrsf25	**0.44747**	3712
chr17	7926000	7934897	Tagap	**0.30458**	4084
chr14	59380833	59393512	Phf11c	**0.39792**	2758
chr11	83191330	83215154	Slfn3	**0.58526**	4633
chr9	37528089	37538319	Esam	**0.49964**	4038
chr3	89753456	89764632	Chrnb2	**0.48078**	11267
chr6	125552948	125686679	Vwf	**0.52544**	20234
chr13	55523235	55528538	Dok3	**0.64725**	4362
chr18	80294544	80364254	Kcng2	**0.30152**	3700
chr9	21165714	21213248	Pde4a	**0.3916**	8752
chr18	37955559	37957155	Rell2	**0.51711**	1632
chr2	84500748	84506873	Gm13710	**0.17164**	621
chr13	113209659	113218104	Esm1	**0.28362**	2600
chr1	36562696	36683183	Fam178b	**0.28602**	3203
chr7	89632818	89854359	Me3	**0.51288**	9770
chr3	106481986	106485913	2010016I18Rik	**0.62915**	3228
chrX	113297510	113836386	Dach2	**0.33076**	11157
chr2	25234476	25236787	Rnf224	**0.28684**	2527
chr13	67405713	67421418	Zfp459	**0.34445**	5000
chr19	47736857	47837361	Cfap43	**0.46914**	12162
chr19	5388704	5390069	D330050I16Rik	**0.40523**	2413
chr9	119937606	119967793	Ttc21a	**0.31871**	5810
chr4	124986430	125009099	Rspo1	**0.81304**	6500
chr10	40033535	40142254	Slc16a10	**0.41283**	11798
chr14	54643049	54643110	Mir6948	**1.03971**	281
chr2	125627447	125724148	Shc4	**0.35286**	7414
chr5	92321331	92328079	Cxcl9	**0.28429**	3600
chr14	46882965	47105817	Samd4	**0.4602**	14889
chr3	14863538	14872373	Car3	**4.08754**	27244
chr8	70152778	70167488	Mef2b	**0.3171**	1855
chr18	11821088	11839273	Gm6277	**0.28388**	1631
chr13	21396578	21396638	Mir6942	**0.85368**	227
chr11	117611247	117613417	2900041M22Rik	**0.47007**	2754
chr6	118461950	118479273	Zfp9	**0.4498**	7688
chr4	148160668	148166417	Fbxo2	**0.40898**	2200
chr11	50236472	50238471	Ltc4s	**0.20326**	521
chr15	101810689	101818169	Krt2	**0.37145**	4231
chr5	135406519	135545122	Hip1	**0.41572**	14233
chr13	62603015	62624182	6720489N17Rik	**0.50411**	5797
chr10	82629838	82650432	Tdg	**0.13274**	92
chr15	76266787	76269839	Gm10872	**0.36116**	1228
chr6	54577605	54593128	Fkbp14	**0.60223**	6941
chr4	62189537	62208546	Zfp37	**0.29183**	4731

chr9	114368324	114377238	4930520O04Rik	**0.50249**	2749
chr17	10403012	10840191	Pacrg	**0.44018**	2600
chr2	176708353	176721813	Gm14305	**0.3088**	2182
chr7	16875317	16887301	Dact3	**0.61626**	7597
chr1	40580227	40630731	Slc9a4	**0.84192**	14027
chr6	125232622	125237027	Cd27	**0.21987**	1500
chr16	43648861	43664184	Tigit	**1.05554**	4431
chr1	132880355	132940005	Lrrn2	**0.43879**	6400
chr11	112663927	112711356	BC006965	**0.45258**	3851
chr10	109683439	110000219	Nav3	**0.30481**	10340
chr1	164154326	164220274	F5	**0.45938**	14306
chr2	32308471	32353329	Dnm1	**0.54352**	9771
chr8	105984946	105996423	Dpep2	**0.22579**	2000
chr17	35236596	35238768	Atp6v1g2	**0.50039**	3261
chr14	52110903	52160418	Rpgrip1	**0.50231**	9398
chrX	95639194	95658509	Zc4h2	**0.33104**	3179
chrX	93654863	93749948	Pcyt1b	**0.62968**	14353
chr2	150407137	150451494	Zfp442	**0.37181**	4483
chr6	129350244	129365303	Clec12a	**0.35102**	3400
chr5	109933563	109941710	Gm15446	**0.27496**	1859
chr11	50811085	50827731	Zfp354c	**0.45308**	10600
chr5	105115767	105139586	Gbp4	**1.5215**	30098
chr5	115845656	116006341	Cit	**0.30049**	9033
chr14	28904943	29721864	Cacna2d3	**0.44583**	7181
chr14	65266701	65321502	Fbxo16	**0.26132**	1400
chr11	46325148	46389515	Itk	**0.24375**	4944
chr2	62500936	62574021	Fap	**0.71875**	8472
chrX	135579787	135593855	Nxf7	**0.71801**	5831
chr13	62367716	62383174	Gm3604	**0.54164**	6892
chr15	99497005	99528165	Faim2	**0.48486**	9790
chr2	25327450	25332571	AA543186	**0.43257**	3198
chr10	22173521	22183914	Raet1e	**0.70275**	1740
chr9	121784016	121792507	Hhatl	**0.94659**	8232
chr2	14229414	14332023	Mrc1	**0.80524**	18667
chr4	128615446	128618619	Tlr12	**0.31801**	4400
chr2	113748675	113758648	Grem1	**0.67393**	4815
chr15	82996736	83033397	Nfam1	**0.30564**	5633
chr11	59175564	59183213	Gjc2	**0.21373**	2100
chr5	135960223	135974476	Ssc4d	**0.51868**	6159
chr1	132191436	132257382	Lemd1	**0.59439**	2547
chrX	142304753	142306198	Kcne1l	**0.22211**	1400
chr6	112459505	112472872	Cav3	**0.8724**	4400
chr7	81529916	81529988	Mir1839	**0.24512**	78
chr5	107497745	107512556	A830010M20Rik	**0.49802**	14667
chr9	120964454	121277172	Ulk4	**0.1988**	3534
chr1	173723428	173741809	AI607873	**0.55042**	8357
chr2	150667494	150668932	E130215H24Rik	**0.7015**	2639

chr3	129808575	129822505	Rrh	**0.43248**	2628
chr16	33062521	33125659	Lmln	**0.41255**	7393
chr11	80154162	80178827	Adap2	**0.30941**	2154
chr4	47208012	47313165	Col15a1	**0.57655**	13368
chr10	128194635	128209909	Gls2	**0.38464**	4014
chr4	132309465	132309600	Snora16a	**1.07617**	638
chr11	120826542	120932872	Ccdc57	**0.56079**	8287
chr7	45123026	45123111	Snord35b	**0.42146**	158
chr3	100993529	101029495	Cd101	**0.33439**	4765
chr13	36867178	37050244	F13a1	**0.65497**	11212
chr11	77463913	77469501	Coro6	**0.65834**	4408
chr14	69609476	69695834	Loxl2	**0.55309**	12472
chr2	150310937	150362765	3300002I08Rik	**0.52465**	1482
chr11	6172508	6173331	Rps15a-ps6	**0.64032**	2300
chr8	123504718	123515455	Dbndd1	**0.24732**	2843
chr1	75479532	75485693	Tmem198	**0.43214**	4116
chr12	103980243	103989957	Serpina11	**0.44186**	2868
chr6	90604880	90646412	Slc41a3	**0.55015**	6372
chr14	55618166	55625395	Rec8	**0.35432**	3174
chr3	127916171	127955220	9830132P13Rik	**0.56852**	10379
chr14	61607457	61612833	Kcnrg	**0.31956**	2552
chr18	46165300	46212607	Trim36	**0.45862**	9698
chr18	34562641	34579106	Nme5	**0.36306**	1312
chr10	39118808	39133895	Fam229b	**0.65898**	2097
chr8	54779434	55060878	Gpm6a	**0.59894**	9279
chr14	51129068	51131121	Rnase6	**0.25661**	1198
chr7	27674661	27706482	C030039L03Rik	**0.39377**	8131
chr8	79295078	79307774	Gm4890	**0.35843**	4128
chr8	72189668	72200958	Hsh2d	**0.36555**	1952
chr12	80942652	80945399	Gm20337	**0.59701**	2972
chr7	10487224	10495381	Zik1	**0.29558**	5400
chr2	32757026	32775633	Ttc16	**0.29086**	4477
chr9	22247430	22259895	Zfp599	**0.18749**	2921
chr7	84528954	84578339	Gm2115	**0.29553**	2400
chrX	7558562	7574281	Ppp1r3f	**0.60096**	8328
chr5	91987473	91995317	Gm1045	**0.15082**	499
chrX	10037977	10117661	Srpx	**0.72847**	7799
chr17	34092379	34095234	H2-Oa	**0.19022**	704
chr12	111271111	111276426	Amn	**0.20422**	1500
chr17	71673261	71729669	Fam179a	**0.5112**	7806
chr13	23683473	23683959	Hist1h2ac	**0.25248**	536
chr5	24257528	24257612	Mir684-1	**0.75298**	279
chr10	30832359	30842783	Hey2	**0.42411**	4681
chr3	94660589	94667152	BC021767	**0.48702**	4730
chr1	40515362	40551705	Il18rap	**0.21795**	4645
chr17	26941452	26970645	Syngap1	**0.20648**	3621
chr19	41588651	41588789	Mir8091	**0.97537**	591

chr15	79139238	79141251	1700088E04Rik	**0.79954**	948
chr3	105815567	105817359	Gm5547	**0.28688**	574
chr16	20545112	20548556	Gm15760	**0.30505**	4581
chr7	44590886	44604751	Kcnc3	**0.27835**	6290
chr5	5580982	5664232	Cfap69	**0.38769**	5484
chr3	15795147	15848487	LOC100038947	**0.15756**	1000
chr11	98798309	98809807	Gm12359	**0.42814**	1913
chr2	131950861	131954820	Prnd	**0.41835**	2420
chr13	89655310	89742512	Vcan	**0.46013**	29463
chr8	92961047	93001667	Slc6a2	**0.29464**	7800
chrX	102247378	102252181	Cited1	**0.19633**	1300
chr5	129895723	129903622	Zbed5	**0.41442**	4500
chr16	38458933	38486932	Cd80	**0.29849**	2212
chr11	90030348	90036505	Tmem100	**0.79173**	6088
chr15	82341179	82345710	Fam109b	**0.41786**	5000
chr5	120589023	120607113	Iqcd	**0.49773**	3619
chr2	180986535	181017540	Col20a1	**0.27157**	4959
chr13	67254918	67269068	Zfp458	**0.38297**	5823
chr3	92418087	92419396	Sprr2j-ps	**0.81808**	2400
chr19	29067301	29069503	Gm9895	**0.26326**	762
chr2	121394355	121413792	Catsper2	**0.52037**	5097
chr2	127456498	127522094	Kcnip3	**0.22021**	3425
chr9	57790505	57834234	Arid3b	**0.20859**	3447
chr13	40727808	40735162	Tfap2a-as1	**0.21975**	1138
chr3	107039504	107054322	AI504432	**0.31816**	7689
chr13	46418300	46431099	Rbm24	**0.69554**	9775
chr6	134897961	134900785	2810454H06Rik	**0.38962**	4798
chr10	128790910	128800035	Mmp19	**0.43159**	5012
chr2	11642792	11693194	Il2ra	**0.43513**	8399
chr8	119992470	120052793	Crispld2	**0.80811**	14619
chr6	87675593	87690847	1810020O05Rik	**0.15337**	700
chr19	12633308	12651737	Glyat	**0.68366**	3904
chr9	57504102	57505447	Rpp25	**0.392**	2300
chr2	26352312	26359547	Card9	**0.36739**	2580
chr12	4769295	4778266	Pfn4	**0.32689**	1861
chr17	25162461	25171913	Ccdc154	**0.67201**	7051
chr12	104314570	104320586	Serpina3j	**0.27542**	2400
chr19	8742971	8743079	Mir6992	**0.56614**	269
chr7	133883199	134225097	Adam12	**0.19276**	6449
chr8	46730970	46739515	Gm16675	**0.41254**	2372
chr1	144752841	144775421	Rgs18	**0.22212**	1800
chr5	136919146	136937109	4933404O12Rik	**0.30522**	5282
chr6	38918986	39084579	Tbxas1	**0.20273**	1748
chrX	153832293	153834240	Spin2c	**0.21078**	1200
chr9	7272514	7283333	Mmp13	**0.39449**	4600
chr5	4192367	4197651	Mterf1b	**0.58625**	3496
chr4	11579662	11580107	Fsbp	**0.47218**	918

chr11	33211794	33513746	Ranbp17	**0.20566**	4590
chr18	52516060	52529867	Lox	**0.59973**	12899
chr1	163245119	163313650	Prrx1	**0.89519**	29064
chr1	195041900	195092248	Cd46	**0.3546**	1875
chr13	23574381	23574915	Hist1h2ad	**0.35204**	821
chr17	84917182	84957423	1110020A21Rik	**0.4025**	1637
chr9	66814994	66834706	Aph1c	**0.38041**	8598
chr9	6168612	6377519	Pdgfd	**0.62904**	4922
chr17	47412734	47437375	1700001C19Rik	**0.23149**	1660
chr6	55203383	55320222	Fam188b	**0.35802**	6664
chr16	98062512	98082439	A630089N07Rik	**0.38173**	3546
chr10	75937735	75940672	Gm867	**0.17601**	933
chr17	23629458	23645269	Mmp25	**0.19574**	2878
chr12	5376502	5416132	2810032G03Rik	**0.4692**	2573
chr13	33936084	33960181	1110046J04Rik	**0.72776**	2300
chrX	48025146	48034852	Apln	**0.33514**	4599
chr4	114406724	114615098	Trabd2b	**0.34048**	9821
chr12	4843303	4856967	BC068281	**0.25095**	3471
chr8	123186235	123201813	Dpep1	**1.81171**	17722
chrX	133851008	133865578	Tnmd	**1.05532**	6100
chr4	49521176	49531558	Zfp189	**0.46263**	5800
chr4	134315120	134329629	Trim63	**0.73844**	6071
chr1	171588613	171607410	Ly9	**0.41613**	4700
chr19	53441212	53464796	5830416P10Rik	**0.44528**	10272
chr10	61197112	61273438	Adamts14	**0.38704**	8753
chr8	45953606	45975252	1700029J07Rik	**0.39091**	4669
chr2	18044087	18048449	Skida1	**0.3047**	5795
chr15	6445333	6498476	C9	**0.43648**	3362
chr12	109032182	109068217	Begain	**0.43783**	5176
chr2	26639190	26639321	Snora17	**0.30935**	178
chr16	17835276	17838186	Car15	**0.44199**	2129
chr3	157566892	157644758	Ptger3	**0.32398**	2850
chrX	73086293	73097095	Xlr3a	**0.39278**	2820
chr13	19749682	19824257	Gpr141	**0.21383**	3200
chr14	50891389	50893255	Klhl33	**0.39995**	2793
chr17	5798657	5803240	3300005D01Rik	**0.28698**	1600
chr11	3488227	3494166	Pla2g3	**0.31581**	3611
chrX	107148927	107173661	A630033H20Rik	**0.43986**	6500
chr12	69464787	69475550	5830428M24Rik	**0.36514**	1649
chr13	102693558	102706631	Cd180	**0.19922**	2020
chr17	33981492	33985358	AA388235	**0.22905**	3861
chrX	122394561	122397385	Nap1l3	**0.37354**	4600
chr8	95534100	95558888	Ccdc113	**0.18464**	1023
chr15	37366175	37792428	Ncald	**0.44159**	7798
chr19	40868316	40882639	E030044B06Rik	**0.14911**	572
chr7	45366163	45367890	Mtag2	**0.58811**	1974
chr17	47385393	47392967	Guca1b	**0.44478**	3234

chr11	59963307	59964942	Rasd1	**0.39739**	2569
chr9	23223076	23485215	Bmper	**0.59653**	9897
chr7	109520132	109520251	Snora3	**1.20245**	629
chr7	100845848	100863413	Relt	**0.34138**	4192
chr1	95587682	95667594	St8sia4	**0.28682**	7098
chr8	71908606	71918851	Zfp882	**0.43157**	10631
chr11	100186781	100193246	Krt9	**0.40012**	4500
chr15	91673224	91816124	Lrrk2	**0.61392**	22025
chr13	17747473	17747593	Mir466i	**0.31093**	164
chr7	83932857	84086505	Cemip	**0.3421**	10609
chr6	47819266	47830505	Zfp786	**0.41291**	5092
chr9	53405286	53432803	4930550C14Rik	**0.16691**	900
chr6	122921848	122934619	Clec4a1	**0.63108**	4286
chr2	71543408	71546754	Dlx2	**0.6768**	7296
chr5	30341663	30366708	Drc1	**0.22758**	2248
chr18	62607540	62741387	Spink13	**0.16534**	573
chr3	95884973	95891930	BC028528	**0.22446**	227
chr5	30913786	30921273	Emilin1	**0.52702**	7958
chr12	33957671	33959831	Twist1	**0.94252**	6697
chr5	23850597	23855033	2700038G22Rik	**0.38513**	2300
chr14	59647741	60086834	Atp8a2	**0.29869**	4798
chr10	7589800	7625477	Lrp11	**0.31713**	4696
chr19	6418738	6533217	Nrxn2	**0.31345**	9100
chr14	122097939	122106974	A330035P11Rik	**0.32875**	3885
chr8	125910450	125947439	BC021891	**0.30473**	7561
chr7	39517766	39540415	Zfp619	**0.31129**	8093
chrX	134748455	134751419	Armcx6	**0.14662**	1300
chr7	68273839	68363092	Fam169b	**0.33341**	4100
chr9	21971527	21989453	Rgl3	**0.27528**	3060
chr16	91269769	91271939	Olig1	**0.634**	6000
chr7	46104523	46180033	Abcc8	**0.20114**	4342
chr9	108096022	108190383	Bsn	**0.36838**	25592
chr11	109225355	109298181	Rgs9	**0.2564**	9534
chr9	65265180	65280605	Cilp	**1.09183**	19766
chr3	55242526	55539068	Dclk1	**0.32115**	18192
chr1	56793981	56971334	Satb2	**0.42951**	9897
chr3	132085292	132180304	Dkk2	**0.68109**	11000
chr5	121518604	121521695	Adam1a	**0.28631**	3859
chr10	81084333	81098872	Creb3l3	**0.49729**	4949
chr1	171018926	171029761	Fcgr4	**0.47496**	2588
chr13	23555032	23555807	Hist1h1d	**0.38401**	1299
chr5	64924680	64933558	Tlr1	**0.46204**	6151
chr13	73699826	73709856	Slc6a19os	**0.22417**	1500
chr3	145004537	145032776	Clca3	**0.28865**	3693
chr12	86678700	86695681	Vash1	**0.20757**	5600
chr7	142533117	142540742	Mrpl23	**0.31612**	802
chr10	5020196	5550692	Syne1	**0.26449**	20881

chr13	52504375	52530836	Diras2	**0.36405**	6900
chr4	118471191	118489849	Tie1	**0.59654**	10087
chr2	119742337	119751253	Itpka	**0.2747**	2165
chr19	23758876	23949597	Apba1	**0.22964**	6639
chr1	169655501	169693526	Rgs5	**0.73158**	5769
chr11	82101845	82103399	Ccl12	**0.55339**	1293
chr6	117863077	117872766	Zfp239	**0.31577**	3872
chrX	74023534	74023598	Mir5132	**0.35293**	100
chr6	148988069	149101680	Dennd5b	**0.15864**	6800
chr6	134982001	134986836	Apold1	**0.38602**	5526
chr7	126816885	126830219	Fam57b	**0.43871**	6047
chr8	31187331	31261924	Fut10	**0.34152**	7585
chr10	81233163	81252123	Zfr2	**0.33858**	4931
chr6	128813706	128826315	Klrb1b	**0.48608**	4687
chr4	154960923	154962371	Hes5	**0.43069**	2390
chr7	142491080	142506771	Prr33	**1.07497**	10520
chr7	115470872	116038744	Sox6	**0.38971**	15899
chr9	20607475	20617271	Fbxl12os	**0.38731**	3976
chr2	32721055	32755007	Sh2d3c	**0.36367**	5772
chr7	29134933	29153955	Rasgrp4	**0.44484**	7997
chr1	9942470	9942543	Snord87	**0.40611**	131
chrX	147471694	147554081	Lrch2	**0.24793**	3908
chr12	111417430	111431680	Exoc3l4	**0.30971**	4759
chr19	4623898	4623955	Mir6986	**0.30851**	78
chr10	103367808	103419379	Slc6a15	**0.3985**	6330
chr9	65388684	65391652	Kbtbd13	**0.3477**	4500
chr4	141618825	141623834	Slc25a34	**0.19459**	2275
chr2	104071010	104084957	Cd59b	**0.37465**	1300
chr15	76910370	76925448	Zfp647	**0.39741**	3981
chr3	10193624	10197283	Fabp9	**0.19425**	547
chr5	104935057	104982717	Abcg3	**0.33201**	4391
chr10	81194691	81208370	Atcayos	**1.316**	1503
chr16	31986831	31987791	LOC101669761	**0.31033**	1300
chr13	4059591	4090422	Akr1c14	**0.6762**	7207
chr3	107230614	107234031	A630076J17Rik	**0.1271**	369
chr13	42680623	43138512	Phactr1	**0.29425**	7578
chr2	84811176	84822652	Smtnl1	**0.65121**	4999
chr10	58813359	59138916	Sh3rf3	**0.36734**	9257
chr14	88464747	88471396	Pcdh20	**0.46871**	10700
chr18	77456110	77565136	Rnf165	**0.37591**	11962
chr4	120877869	120891560	Rims3	**0.2348**	1000
chr1	134765943	134955940	Ppp1r12b	**0.37635**	10147
chrX	57088106	57105446	Vgll1	**0.2669**	1381
chr4	65124174	65357509	Pappa	**0.17265**	8299
chr6	48647234	48660875	Gimap8	**0.37163**	5994
chr2	131039632	131043088	Gfra4	**0.49878**	3244
chr2	170731807	170879775	Dok5	**0.2713**	2098

chr6	31519493	31563937	Podxl	**0.64065**	14885
chr3	87846755	87855722	Sh2d2a	**0.21802**	4499
chr8	70373548	70382066	Comp	**0.53124**	5618
chr16	30511855	30550578	Tmem44	**0.46411**	8580
chr14	62555737	62608485	Fam124a	**0.53368**	8275
chr4	6687386	6990723	Tox	**0.32922**	4093
chr1	40805601	40855267	Tmem182	**1.01975**	4872
chr17	7350904	7352696	Ttll2	**0.19576**	1385
chr1	15853862	15892722	Sbspon	**0.41147**	4929
chr18	37685400	37687817	Pcdhga4	**0.21622**	2279
chr8	121127685	121130644	Foxl1	**0.19437**	2508
chr15	75108161	75111949	Ly6c2	**0.48429**	1691
chr17	28142526	28171345	Scube3	**0.39072**	5079
chr12	26306794	26415262	Rnf144a	**0.25726**	5800
chr2	26934069	26953496	Stkld1	**0.30026**	2839
chr6	124996720	125003097	Pianp	**0.44606**	4548
chr11	61672782	61720799	Slc5a10	**0.36068**	2937
chr8	84125989	84132517	Podnl1	**0.38403**	3482
chr10	81271597	81271661	Mir3057	**0.55057**	156
chr3	87749097	87768953	Pear1	**0.33508**	6884
chr7	31059935	31070935	Lgi4	**0.46935**	6588
chr5	114773733	114774983	4930515G01Rik	**0.38509**	2100
chr7	30291753	30308367	Clip3	**0.37045**	5329
chr17	47688474	47694736	Prickle4	**0.28069**	799
chr1	184727145	184732493	Hlx	**0.18164**	1700
chr3	87736923	87748623	Lrrc71	**0.36484**	4768
chr11	114890041	114904651	Cd300a	**0.28752**	5818
chr7	127603903	127604445	1700120K04Rik	**0.25391**	601
chr8	27085841	27123436	Gpr124	**0.51511**	12388
chr17	27655591	27711117	Pacsin1	**0.36829**	7096
chrX	7638580	7653256	Syp	**0.44827**	4850
chrX	134542341	134583140	Btk	**0.20452**	2260
chr13	73627001	73649041	Tert	**0.25311**	3780
chr2	69758057	69789486	Ccdc173	**0.31634**	2387
chrX	71050256	71154717	Mamld1	**0.1592**	2399
chrX	20059570	20097520	Chst7	**0.43895**	4200
chr8	13026034	13035809	F7	**0.1851**	1500
chr1	63114471	63158295	Ino80dos	**0.62562**	4238
chr2	104679980	104712162	Tcp11l1	**0.31001**	4746
chr14	61219115	61258490	Sgcg	**0.8096**	12045
chr2	32066885	32083705	Fam78a	**0.2397**	4191
chr11	83002158	83020722	Slfn8	**0.40343**	6899
chr17	33524196	33553782	Adamts10	**0.44832**	7954
chr9	40972798	41004628	Crtam	**0.21177**	1790
chr5	140872999	141000596	Card11	**0.19364**	3471
chr3	37308627	37312446	Cetn4	**0.47873**	2210
chr3	137341078	137431069	Emcn	**0.81241**	5174

chr7	45832483	45866681	Grin2d	**0.15142**	2893
chr10	122078112	122079879	Gm9079	**0.40223**	3100
chr12	102129419	102266749	Slc24a4	**0.23127**	2109
chr4	146468234	146469440	Gm13251	**0.26608**	1400
chr14	79451835	79454816	Zbtbd6	**0.23848**	3100
chr11	101279203	101288266	Cntd1	**0.37206**	2908
chr7	127232418	127233130	Gm4532	**0.25739**	800
chr17	24175431	24199957	Tbc1d24	**0.23802**	8263
chr16	84774123	84826375	Jam2	**0.44209**	9283
chr12	111484609	111485823	Gm266	**0.4909**	2600
chr9	37544493	37552745	Nrgn	**0.30055**	1694
chr5	104813168	104860068	Zfp951	**0.29057**	3677
chr8	3871824	3878499	Cd209d	**0.66296**	2494
chr16	29231914	29378732	Atp13a5	**0.23598**	4665
chr9	96731676	96752831	E030011O05Rik	**0.40197**	1160
chr7	113765998	114043375	Spon1	**0.50955**	13696
chr14	73519864	73548242	Nudt15	**0.23896**	2700
chr3	65666228	65831162	Lekr1	**0.28944**	2777
chr4	109218413	109254577	Calr4	**0.24864**	2740
chr13	16857475	17694765	Sugct	**0.47624**	3579
chr7	12768092	12775658	Zscan18	**0.25281**	3996
chr2	153649449	153687730	Dnmt3b	**0.34121**	6436
chr9	86571988	86574899	Rwdd2a	**0.18246**	1100
chr5	149439706	149470620	Tex26	**0.66158**	3155
chr16	4037145	4039976	Dnase1	**0.40643**	2227
chr8	18932729	18950975	Xkr5	**0.27425**	4800
chr18	34689903	34720387	Gfra3	**0.54023**	4691
chr9	50488799	50499094	Plet1os	**0.19277**	721
chr3	69573919	69598960	B3galnt1	**0.45537**	4500
chr15	42424667	42676977	Angpt1	**0.78101**	14694
chr11	97744897	97745035	Mir8102	**0.29872**	181
chr10	80832801	80844039	Lingo3	**0.17344**	2600
chr2	181578480	181585115	Uckl1os	**0.57446**	5116
chr13	114958081	115101964	Itga1	**0.51364**	13394
chr19	4164324	4175479	Carns1	**0.43689**	7557
chr2	181669837	181671640	Sox18	**0.5101**	3600
chr3	10244209	10301183	Fabp12	**0.52794**	5781
chr7	97309380	97325964	Usp35	**0.30165**	5236
chr9	92267258	92267361	Mir6386	**0.33749**	153
chr17	48232739	48246924	Trem1	**0.20476**	2700
chr7	141015812	141016892	Ifitm6	**0.20396**	481
chr2	148694657	148732420	Napb	**0.22729**	3659
chr8	3665762	3668905	Mcemp1	**0.29202**	1441
chr4	132302194	132303356	Rab42	**0.38858**	1245
chr13	92751586	92794818	Thbs4	**1.38695**	19359
chr17	39406359	39410992	Esp18	**0.876**	4800
chr5	120458202	120472763	Sdsl	**0.18975**	1000

chr5	30711895	30799369	Dpysl5	**0.18668**	4086
chr11	115381916	115396132	Cdr2l	**0.40301**	6500
chrX	105764477	105776532	Fgf16	**0.26759**	3546
chr6	122513676	122529287	Mfap5	**1.04419**	6418
chr10	87859056	87937047	Igf1	**0.54469**	17561
chr10	107492860	107494729	Myf6	**0.71688**	3900
chr13	48272418	48273884	A330048O09Rik	**0.37833**	1100
chr18	37755773	37758367	Pcdhga11	**0.1326**	1500
chr7	12881178	12893422	Zfp128	**0.27531**	4600
chr12	26469215	26479837	Cmpk2	**0.50355**	7000
chr5	48395573	48414294	5730480H06Rik	**0.28417**	2008
chr9	108986163	108987164	Ucn2	**0.36631**	1600
chr2	74704615	74707932	Hoxd8	**0.70128**	6600
chr9	121577843	121641566	Lyzl4	**0.26741**	1161
chrX	134971373	135009209	Zmat1	**0.38625**	5898
chr1	171559193	171585316	Cd244	**0.13924**	2281
chr14	78277446	78308043	Tnfsf11	**0.37977**	3700
chr17	12318853	12327250	4732491K20Rik	**0.3355**	4642
chr19	47512982	47516578	Gm19557	**0.42007**	4836
chr7	48830398	48848051	Csrp3	**1.86234**	7899
chr10	79916971	79922272	Kiss1r	**0.31073**	4283
chr4	101346524	101356248	E130102H24Rik	**0.37946**	1100
chr18	9707648	9877995	Colec12	**0.60113**	8705
chr6	123122690	123143999	Clec4a2	**0.35077**	4000
chr13	55006019	55021385	Hk3	**0.14523**	2048
chr3	89998760	90001325	Gm19710	**0.24667**	600
chr2	177759288	177773275	Gm14322	**0.61037**	10696
chr9	54538984	54545020	Sh2d7	**0.37125**	4465
chr4	136423524	136444401	Htr1d	**0.24967**	3487
chrX	161162750	161258213	Scml2	**0.21074**	4484
chr9	57056897	57071966	Gm10658	**0.37052**	1683
chr17	5492600	5753891	Zdhhc14	**0.41241**	5600
chr2	153407461	153529971	Nol4l	**0.29766**	8464
chr5	57570084	57717919	4932441J04Rik	**0.12955**	410
chr5	143758354	143764942	D130017N08Rik	**0.28161**	2093
chr4	108014793	108032090	Podn	**0.40164**	6070
chr4	129287621	129306704	Sync	**0.78042**	5171
chr6	128539822	128581606	BC048546	**0.80105**	16405
chr12	113185903	113189522	Tmem121	**0.7004**	4885
chr13	62772200	62785808	Gm5141	**0.36177**	5171
chr8	4248214	4251423	Tgfbr3l	**0.41058**	1924
chr2	165377436	165388259	Zfp334	**0.16532**	3627
chr15	84232043	84315609	Parvb	**0.37256**	6017
chr1	125913636	126830632	Nckap5	**0.25656**	8492
chr7	92740706	92741459	4632427E13Rik	**0.30073**	877
chr7	44959372	44974851	Cpt1c	**0.38163**	4648
chr8	34115030	34125185	Mboat4	**0.21206**	1700

chr11	51059257	51072799	Zfp354a	**0.1822**	3200
chr11	96464591	96759622	Skap1	**0.19599**	1871
chr12	87278638	87299705	Ism2	**0.22995**	2532
chr17	35203165	35205351	Lta	**0.21564**	1300
chr6	90333289	90364548	Uroc1	**0.26775**	3924
chr10	77686569	77886769	Tspear	**0.27667**	2950
chr10	79890853	79892660	Cfd	**1.03937**	4200
chr11	48803139	48803206	Snord95	**0.42844**	127
chr1	135324813	135368065	Lmod1	**0.80774**	13880
chr15	89422125	89425862	Cpt1b	**0.6148**	402
chr10	20398004	20725068	Pde7b	**0.37943**	6826
chr1	78101267	78197136	Pax3	**0.21938**	3699
chr9	118606709	118901003	Itga9	**0.30831**	9530
chr2	172393794	172433757	Cass4	**0.14218**	2300
chr10	62383137	62422457	Hkdc1	**0.18442**	2800
chr6	120666421	120771191	Cecr2	**0.1617**	6494
chr14	20659418	20668306	Synpo2l	**0.60433**	10332
chr17	31208066	31242403	Ubash3a	**0.13206**	1700
chr14	20546293	20570680	1810062O18Rik	**0.39809**	918
chrX	78449610	78583897	Prrg1	**0.28712**	5054
chr18	37751779	37754193	Pcdhgb7	**0.27129**	2856
chr12	57564115	57622109	4921506M07Rik	**0.46548**	3001
chr1	175059076	175492545	Rgs7	**0.20155**	2185
chr4	75941237	78211895	Ptprd	**0.211**	8395
chr4	116684965	116686022	AV051173	**0.3475**	921
chr16	8513429	8621567	Abat	**0.33844**	6838
chr11	43374397	43374461	Mir146	**0.69174**	196
chr15	76715276	76719924	Lrrc24	**0.14338**	1160
chr17	35342333	35345722	H2-Q2	**0.48323**	2315
chr2	9881246	9886767	4930412O13Rik	**0.34142**	5861
chr4	115779834	115781034	Tex38	**0.14022**	500
chr12	105563172	105593071	Bdkrb2	**0.25849**	1893
chr6	148232430	148444352	Tmtc1	**0.35942**	12437
chr3	134236495	134262089	Cxxc4	**0.23793**	5745
chr9	86743633	86757506	Prss35	**0.41825**	4600
chr1	36372291	36422110	Fer1l5	**0.24687**	6799
chr11	118428457	118451782	C1qtnf1	**0.532**	8991
chr4	155859304	155863353	Tas1r3	**0.2858**	4333
chr11	118332360	118342534	BC100451	**0.31314**	2700
chr11	73234149	73261322	Trpv1	**0.16577**	2592
chr4	141890623	142011651	Fhad1	**0.17975**	3530
chr4	155608297	155624755	Gm16023	**0.26654**	2354
chr3	113555952	113577750	Amy1	**0.91799**	7291
chr9	35116811	35130922	4930581F22Rik	**0.26769**	2706
chr8	31089662	31097047	Dusp26	**0.68269**	5199
chr11	88718643	88728572	C030037D09Rik	**0.28241**	1300
chrX	12936873	12938541	AA414768	**0.24741**	1800

chr16	87496073	87504038	B130034C11Rik	**0.34606**	2121
chr8	41017468	41019616	B430010I23Rik	**0.17698**	395
chr2	62664327	62694109	Gca	**0.22319**	3199
chr7	42609526	42642604	9830147E19Rik	**0.17845**	3898
chr17	35028605	35046723	Msh5	**0.27425**	3198
chrX	21312210	21334727	Gm6938	**0.38293**	1287
chr2	156872922	156887078	Sla2	**0.25052**	2171
chr3	115710433	115715055	S1pr1	**0.62096**	8199
chr10	63024512	63058812	Pbld2	**0.31687**	3054
chr7	35201112	35215345	Lrp3	**0.19182**	3144
chr3	86786150	86920884	Dclk2	**0.26273**	4809
chr11	69599750	69605960	Atp1b2	**0.58138**	7499
chr5	8490336	8622952	Rundc3b	**0.54926**	8799
chr11	116657108	116668389	Gm11744	**0.57537**	2009
chr1	180326969	180330475	Gm5069	**0.18401**	2813
chr7	17150400	17163231	Ceacam3	**0.20334**	1880
chr4	134343046	134354484	Slc30a2	**0.28577**	4127
chr4	45848947	45887008	Stra6l	**0.26465**	4160
chr5	92571537	92591284	Fam47e	**0.25775**	1691
chr8	20268286	20297432	6820431F20Rik	**0.2362**	4797
chr15	79742698	79757394	Gm16576	**0.34877**	8216
chr5	19227046	20704791	Magi2	**0.27889**	8792
chr4	42917251	42941607	N28178	**0.19634**	2904
chr17	30622441	30626905	1700097N02Rik	**0.338**	1245
chr9	20770050	20815034	Col5a3	**0.32236**	8552
chr17	71640889	71641658	Snord53	**0.15641**	60
chr19	8740718	8741225	1700092M07Rik	**0.16722**	277
chr15	84951526	84951623	Mir1249	**0.19663**	84
chr17	50509547	50688494	Plcl2	**0.44663**	7887
chr6	129610323	129623864	Klrk1	**0.17609**	2553
chr11	69876684	69878018	Tmem95	**0.26396**	611
chr14	55650184	55652539	Tssk4	**0.34249**	2120
chr5	64044973	64050226	5830416I19Rik	**0.40586**	4653
chr2	125300594	125506438	Fbn1	**0.42905**	18516
chr7	29843936	29853648	Zfp940	**0.2499**	3011
chr2	32095651	32110820	Ppapdc3	**0.70431**	5600
chr11	69663043	69663125	Mir1934	**0.30126**	109
chr8	104101625	104144502	Cdh5	**0.3856**	6700
chr5	73606642	73632421	Lrrc66	**0.5955**	8029
chr1	127753617	127774054	2900009J06Rik	**0.2697**	435
chr12	102743499	102743661	Moap1	**0.25051**	178
chr8	71689252	71689432	Insl3	**0.29404**	232
chr6	30733506	30747553	Mest	**0.19396**	1576
chr17	26202962	26211324	Rgs11	**0.4468**	3907
chr15	103308235	103310438	Gpr84	**0.14791**	1000
chr16	17646470	17650738	Ccdc74a	**0.23317**	1299
chr5	29195993	29225524	Rnf32	**0.34368**	2406

chr6	54508816	54566382	Scrn1	**0.21946**	1700
chr4	132309953	132310069	Snora44	**0.63135**	322
chr2	165055636	165071654	Cd40	**0.2186**	1700
chr2	84734204	84737877	Ypel4	**0.23489**	770
chr5	120730333	120749848	Oas2	**0.29002**	4885
chr18	75001068	75001122	Snord58b	**0.34619**	83
chr2	59382493	59386682	5330411J11Rik	**0.37676**	2700
chr4	106680417	106727930	Mroh7	**0.18485**	3502
chr1	85939537	85961055	Gpr55	**0.16193**	1800
chr2	143546133	143816282	Pcsk2	**0.33624**	6458
chr18	70240429	70244584	Dynap	**2.10931**	11282
chr10	68430956	68541875	1700040L02Rik	**0.19975**	1078
chr5	21543527	21575902	Lrrc17	**0.66751**	6192
chr16	36184212	36188110	Gm5483	**0.29384**	529
chr17	8340406	8344113	Prr18	**0.17246**	2671
chr3	87250965	87263524	Fcrls	**0.30349**	2634
chr16	4935164	4939377	Gm16861	**0.32196**	1781
chr17	40520022	40530702	Esp8	**0.60622**	2381
chr18	23750448	23752305	Gm15972	**0.22775**	414
chr9	121777607	121783819	Klhl40	**0.6541**	7000
chr2	12106660	12301920	Itga8	**0.69063**	17368
chr12	111941991	111944482	5033406O09Rik	**0.17593**	1326
chr15	98519835	98519878	Mir1291	**0.16684**	32
chr9	102506138	102546239	Ky	**0.65819**	15634
chr2	70508819	70540884	Erich2	**0.31781**	2423
chr2	119218119	119229865	Ppp1r14d	**0.76854**	2717
chr17	25809085	25821265	Fbxl16	**0.22285**	3399
chr7	135410367	135413615	Foxi2	**0.20346**	2298
chr8	116969599	116978943	1700030J22Rik	**0.25589**	3314
chr8	122454206	122460692	Snai3	**0.3898**	2700
chr11	75999912	76003569	1700016K19Rik	**0.27399**	1100
chr5	103648587	103655732	1700016H13Rik	**0.21122**	871
chr8	105253052	105255153	B3gnt9	**0.50099**	4180
chr18	60995380	61014199	Slc6a7	**0.15474**	2255
chr9	37275835	37348392	Ccdc15	**0.1692**	2600
chr9	95400926	95407270	Chst2	**0.19111**	5200
chr4	129137060	129144593	Fndc5	**0.28442**	3350
chr13	23542923	23543444	Hist1h2bh	**0.43947**	1000
chr7	120173858	120183716	Anks4b	**0.22601**	2000
chr17	51736187	51833290	Satb1	**0.28152**	8330
chrX	101731536	101734147	Cxcr3	**0.15693**	1100
chr11	87760541	87785928	Bzrap1	**0.32022**	10631
chr9	95637628	95695551	Pcolce2	**0.88491**	7198
chr4	114163384	114245028	Skint11	**0.14821**	900
chr10	22113050	22149270	E030030I06Rik	**0.39035**	3900
chr17	17830975	17839071	Spaca6	**0.45693**	2195
chr1	17727417	17766207	Crispld1	**0.26113**	4560

chr16	38085064	38089000	BC031361	**0.32042**	5499
chr6	67292018	67376137	Il12rb2	**0.30888**	3968
chr10	127032905	127041394	LOC100504608	**0.20709**	631
chr3	102469919	102521013	Ngf	**0.57159**	2980
chr12	71309884	71320107	Dact1	**0.23788**	3900
chr7	16906490	16910905	Ptgir	**0.19238**	2796
chr15	81686167	81697287	Chadl	**0.20886**	2217
chr4	103038065	103114299	Wdr78	**0.27277**	4510
chr19	59458690	59465357	Emx2	**0.44936**	5089
chr4	129984870	130022633	Bai2	**0.2168**	5195
chr8	105690906	105698158	Rltpr	**0.14286**	1555
chr12	85288591	85299358	Zc2hc1c	**0.40435**	7900
chr19	37434841	37440731	Hhex	**0.27409**	2116
chr13	19623175	19632823	Sfrp4	**0.34632**	2654
chr2	130580677	130582541	Avp	**0.17737**	392
chr6	124493113	124510643	C1rl	**0.28199**	3700
chr6	97238528	97252780	Lmod3	**0.81857**	8000
chr6	70956606	70961066	Foxi3	**0.25318**	1331
chr18	37518353	37521419	Pcdhb22	**0.26149**	3496
chr9	53850251	53853849	Sln	**2.2058**	5000
chr14	32322019	32347820	Ogdhl	**0.22741**	3419
chr2	122466583	122467797	Bambi-ps1	**0.4909**	2600
chr19	24679662	24861842	Pgm5	**0.5779**	16576
chr11	85832615	85841948	Tbx2	**0.28196**	4378
chr19	10962295	10974670	Ms4a10	**0.33899**	1491
chr3	37714190	37724360	Gm5148	**0.30436**	1612
chr7	45126864	45126917	Snord33	**1.1895**	280
chr9	88841798	88858870	9330159M07Rik	**0.27305**	2934
chr17	29827958	29887882	Mdga1	**0.22288**	7351
chr6	67422932	67491855	Il23r	**0.14688**	1593
chr7	143778363	143784500	Mrgpre	**0.23788**	3900
chr8	84010228	84011720	2210011C24Rik	**0.43348**	1489
chr8	87661810	87959595	Zfp423	**0.28948**	6192
chr11	67112461	67120080	2310065F04Rik	**0.53047**	6299
chr7	107370790	107548655	Syt9	**0.25249**	4200
chr16	96158406	96192257	Lca5l	**0.30372**	4197
chr16	57624256	57754737	Col8a1	**0.35901**	7997
chr15	79803975	79804709	Nptxr	**0.27403**	878
chr7	130774069	130825899	Btbd16	**0.1652**	2473
chr14	56258858	56262260	Gzmb	**0.35642**	2200
chr2	120463593	120504919	Capn3	**0.41671**	6336
chr15	99972167	99973287	2310068J16Rik	**0.32772**	1310
chr16	44765736	44794977	Cd200r1	**0.29685**	2447
chr17	40764734	40794146	Crisp2	**0.37042**	2372
chr1	195017399	195037908	A330023F24Rik	**0.35282**	7730
chr10	63115795	63203952	Mypn	**0.75455**	17255
chr17	25057702	25081114	Tmem204	**0.66719**	5174

chr1	191098414	191108943	Batf3	**0.52099**	1617
chr7	16234585	16244154	C5ar2	**0.32855**	5100
chr8	23138785	23147467	Gm15816	**0.69407**	4142
chr7	70365383	70411146	B130024G19Rik	**0.36259**	2864
chr2	158666733	158766334	Ppp1r16b	**0.21433**	6059
chr5	66676944	66687234	Uchl1	**0.44627**	1815
chr11	82057832	82062955	Ccl11	**1.86002**	8700
chr18	37504264	37507661	Pcdhb20	**0.33756**	5000
chr2	120265869	120289069	Pla2g4d	**0.43353**	6210
chr11	82035577	82037452	Ccl2	**0.31308**	1100
chr10	93523338	93540033	Amdhd1	**0.17056**	1800
chr15	94629185	95096097	Tmem117	**0.35462**	4299
chrX	103560910	103623754	Ftx	**0.28388**	9270
chr7	27523261	27531174	Hipk4	**0.20907**	2200
chr7	114415254	114537937	Pde3b	**0.282**	6498
chr16	3707215	3718124	Mefv	**0.26157**	3667
chr7	24661294	24663109	Gm4598	**0.12745**	600
chr7	103826523	103826531	Hbb-bs	**1.24897**	49
chr18	37689859	37692369	Pcdhgb2	**0.32232**	3528
chr7	35578996	35585582	Rgs9bp	**0.12886**	3700
chr4	44121893	44124123	Gm12504	**0.29624**	2881
chrX	53053112	53057190	C430049B03Rik	**0.2675**	3181
chr7	82335694	82614448	Adamtsl3	**0.25447**	8081
chr4	83525545	83864670	Ccdc171	**0.24816**	4895
chr2	158375638	158386145	Snhg11	**0.17992**	4599
chr13	23561896	23562365	Hist1h3e	**0.43342**	888
chr5	45529705	45639274	Fam184b	**0.17664**	3000
chr13	67363584	67375763	Zfp456	**0.2136**	3798
chr7	66839735	67152625	Adamts17	**0.26905**	7071
chr17	83831354	83846790	Haao	**0.44943**	2398
chr18	5591860	5775468	Zeb1	**0.46224**	11699
chr2	32986366	33087204	Garnl3	**0.19425**	2868
chr8	65618040	66471637	March1	**0.27179**	5713
chr11	100334412	100336996	Gast	**0.24402**	484
chr13	75967739	75998968	Spata9	**0.39563**	1816
chr12	103532565	103613832	Ppp4r4	**0.26484**	4252
chr5	105078394	105110292	Gbp9	**0.55466**	8784
chr3	92432582	92433927	Sprr2k	**0.78981**	2200
chr9	78367054	78368199	Dppa5a	**0.2154**	600
chr4	155781591	155785874	Tmem88b	**0.26437**	4000
chr15	99251788	99262041	1700120C14Rik	**0.54085**	679
chr18	12741355	12755142	Cabyr	**0.2227**	1263
chr1	86359574	86367964	C130036L24Rik	**0.30098**	1661
chr9	86695442	86701253	A330041J22Rik	**0.20232**	1599
chr7	13325667	13360668	Pla2g4c	**0.22809**	3465
chr8	102632995	102785111	Cdh11	**0.75116**	13805
chr10	7444873	7473477	Ulbp1	**0.3173**	2516

chr4	19979445	20005739	4930480G23Rik	**0.22248**	1221
chr9	27097384	27155421	Jam3	**0.3377**	2900
chr2	126553024	126588243	Slc27a2	**0.31903**	3200
chr13	107022570	107033518	3830408C21Rik	**0.25442**	2105
chr11	99914751	99915671	Gm11565	**0.77215**	3100
chr16	38362173	38378216	Popdc2	**0.45869**	4127
chr6	124858445	124863917	Gpr162	**0.21182**	2470
chr19	55198098	55241236	Gucy2g	**0.2041**	3460
chr4	135759715	135815567	Myom3	**0.45309**	11017
chr4	53631471	53707009	Fsd1l	**0.21813**	7100
chr9	55326949	55438344	AI118078	**0.35978**	3775
chr8	93302369	93337209	Ces1g	**0.455**	4540
chr1	93015455	93101874	Kif1a	**0.17501**	6348
chr15	10714836	10790123	4930556M19Rik	**0.23384**	4377
chr2	118707517	118728438	Plcb2	**0.15766**	3536
chr11	97854307	97884154	Fbxo47	**0.299**	2191
chr7	45126603	45126668	Snord34	**1.19915**	345
chr15	101221191	101225186	A330009N23Rik	**0.28017**	1457
chr17	31141062	31144282	Tff2	**1.89388**	4714
chrX	73411103	73426987	Zfp92	**0.22374**	5607
chr11	43474306	43491525	C1qtnf2	**0.41675**	2200
chr7	82632960	82648528	Fam154b	**0.34559**	4200
chr12	110591374	110592679	B930059L03Rik	**0.35131**	2000
chr6	92940582	93111749	9530026P05Rik	**0.42676**	1851
chr16	4964288	4978054	4930451G09Rik	**0.24156**	2026
chr2	121093589	121109791	Tgm7	**0.17667**	1635
chr8	124576111	124618731	Capn9	**0.21207**	2154
chr9	70798128	70934808	Lipc	**0.35593**	2979
chr6	128169700	128183803	9330102E08Rik	**0.21169**	3550
chr14	62663667	62692243	Serpine3	**0.38616**	2360
chr6	24951141	24956125	Tmem229a	**0.16567**	3600
chr2	30845367	30881247	Prrx2	**0.83308**	4100
chr18	37477768	37483037	Pcdhb16	**0.51792**	11898
chr3	96220413	96220880	Hist2h2ac	**0.1495**	305
chr2	110360925	110362993	Fibin	**0.23284**	2100
chr7	6363308	6382605	Zfp78	**0.2384**	5090
chr8	10006633	10035999	Tnfsf13b	**0.21792**	1613
chr5	122989354	122998341	A930024E05Rik	**0.22758**	1877
chr3	142496934	142522344	Gbp5	**0.41051**	5406
chr8	40926233	40990770	Pdgfrl	**0.45761**	3058
chr16	37011786	37095417	Polq	**0.21985**	8196
chr19	44516957	44545848	Sec31b	**0.22923**	3920
chr5	23692261	23712667	AI506816	**0.22181**	2688
chr6	129666016	129678973	Klrc1	**0.23137**	2000
chr3	89234177	89245897	Trim46	**0.42794**	6628
chr5	66745840	67057159	Limch1	**0.37223**	10482
chr1	39618406	39651182	Creg2	**0.20571**	5200

chr11	121830218	121843436	Ptchd3	**0.16305**	2300
chr17	35470089	35474563	H2-Q10	**0.31085**	1996
chr9	58287723	58313212	Loxl1	**0.57041**	8300
chr6	137983590	138079916	Slc15a5	**0.16686**	1790
chr8	75213944	75224113	Rasd2	**0.27757**	3400
chr6	37983739	38046996	Svopl	**0.18878**	1947
chr1	56971469	56975196	9130024F11Rik	**0.27706**	1500
chr17	34597850	34600937	Ager	**0.25318**	1746
chr1	3214482	3671498	Xkr4	**0.24234**	3839
chr11	82911253	82943406	Unc45b	**0.74453**	11038
chr14	70530821	70538324	Lgi3	**0.23798**	3300
chr2	50066429	50193569	Lypd6	**0.1629**	2599
chr6	142413431	142419740	B230216G23Rik	**0.15129**	1013
chrX	161717036	161779494	Rai2	**0.37493**	4099
chr3	63696234	63850991	Plch1	**0.23778**	6500
chr6	29433153	29461888	Flnc	**0.82533**	32977
chr11	113780790	114065951	Sdk2	**0.15184**	4371
chrX	106576509	106603679	Cysltr1	**0.31573**	4100
chr19	25671134	25672239	2610016A17Rik	**0.22989**	475
chr6	142085768	142186149	Slco1a6	**0.6545**	8000
chr18	37694501	37696924	Pcdhga5	**0.17981**	1900
chr6	39462378	39557834	Dennd2a	**0.27999**	5413
chr17	32950961	32965716	Cyp4f41-ps	**0.3336**	1620
chr14	56042123	56044634	Mcpt2	**0.61426**	2600
chr16	45656317	45693658	Tmprss7	**0.36935**	4162
chr4	155400969	155421704	5830444B04Rik	**0.15497**	1905
chr8	69271080	69303375	D130040H23Rik	**0.28864**	2519
chr7	25669140	25675166	Tmem91	**0.18331**	700
chr7	141359178	141365110	B230206H07Rik	**0.36139**	3658
chr18	31931507	31958619	Lims2	**0.55363**	3620
chr7	30712209	30725534	Atp4a	**0.2624**	4000
chr15	74979812	74983430	Ly6i	**0.25553**	978
chr7	44310264	44358353	Shank1	**0.26866**	8896
chr6	14713822	14755274	Ppp1r3a	**0.75709**	23498
chr2	93955810	93957100	Gm13889	**0.74631**	4200
chr7	79743163	79785950	Wdr93	**0.13332**	1328
chr11	104608000	104670471	Itgb3	**0.28581**	7200
chr16	36210403	36217788	Gm5416	**0.75375**	966
chr7	4628040	4630482	Tmem86b	**0.4267**	2273
chr10	118920381	118927143	C230029M16	**0.17519**	1800
chr2	73563281	73580338	Chrna1	**0.24958**	4700
chr12	34984761	34986436	Prps1l1	**0.14714**	1075
chr9	66508776	66514593	Fbxl22	**0.32312**	5096
chr6	120773768	120793982	Slc25a18	**0.1418**	845
chr3	88822010	88832487	1500004A13Rik	**0.30041**	4142
chr14	118984985	119099434	Uggt2	**0.24701**	7014
chr19	4625841	4698668	Gm960	**0.28011**	2762

chr9	38752796	38756863	Olfr920	**0.31847**	2721
chr8	40551135	40634792	Mtmr7	**0.26646**	2869
chr13	95024105	95250304	Pde8b	**0.24802**	5328
chr9	77636732	77660122	Klhl31	**0.6775**	18479
chr19	30098441	30175441	Gldc	**0.18789**	3100
chrX	94636069	94638561	Gspt2	**0.16563**	1800
chr14	54650511	54655100	4930579G18Rik	**0.28353**	1713
chr4	142084305	142088101	Tmem51os1	**0.18407**	1405
chr2	74697763	74700208	Hoxd9	**0.44788**	4100
chr7	28840611	28840620	Lgals6	**0.80291**	35
chr8	117459265	117459328	Mir7078	**0.13262**	37
chr9	21067514	21067519	Raver1-fdx1l	**0.26764**	7
chr12	112659277	112659351	Mir6939	**0.1927**	63
chr15	34440506	34440507	Gm12191	**0.2294**	2
chr18	35554567	35554636	Mir1949	**0.22285**	68
chr8	75033686	75070121	Tom1	**0.23164**	2381
chr1	121509773	121528465	Htr5b	**0.28011**	2447
chr11	62778387	62789417	Zfp286	**0.17079**	2238
chr11	101877510	101894354	Meox1	**0.30733**	2958
chr12	38780258	38868215	Etv1	**0.23277**	4285
chr6	45060061	47301371	Cntnap2	**0.27561**	8577
chr1	55405946	55754285	Plcl1	**0.29047**	8300
chr13	63289154	63297147	Gm16907	**0.33318**	3888
chr14	105427559	105437716	5430440P10Rik	**0.15805**	700
chr3	96606662	96629819	6330549D23Rik	**0.21821**	2690
chr19	23302609	23448322	Mamdc2	**0.28864**	4200
chr11	4139364	4139446	Mir3060	**0.43946**	159
chr1	37754572	37865298	Tsga10	**0.23911**	4359
chr19	11407661	11427246	Ms4a4c	**0.35509**	2667
chr5	135106891	135138382	Mlxipl	**0.23846**	3793
chr6	125186361	125186431	Scarna10	**0.21648**	67
chr7	140837221	140845689	C330022C24Rik	**0.5414**	2209
chr8	22974836	23150497	Ank1	**0.48824**	18144
chr2	14174524	14221993	Tmem236	**0.25712**	4100
chr13	21945094	21960485	Zfp184	**0.22915**	2700
chr5	25100975	25103007	2900005J15Rik	**0.32453**	2876
chr6	87778136	87779762	Gp9	**0.53009**	1874
chr7	117380979	117667630	Xylt1	**0.15356**	2055
chr5	8893721	8959226	Abcb4	**0.47215**	8387
chr3	105925891	105932664	I830077J02Rik	**0.27696**	1287
chr1	170277324	170285662	Sh2d1b1	**0.33618**	2100
chr8	4209543	4217312	BC068157	**0.23805**	4790
chr11	3239902	3462990	Mir3470a	**0.21129**	35
chr17	49456022	49564337	Daam2	**0.30948**	8155
chr3	54156057	54318471	Trpc4	**0.14345**	2964
chr9	108392834	108397767	1700102P08Rik	**0.30859**	1477
chr7	135648457	135652314	5830432E09Rik	**0.15467**	919

chr7	118381856	118443552	Syt17	**0.34049**	2400
chr2	79255426	79333114	Itga4	**0.1746**	7357
chr8	62057042	62123193	Anxa10	**1.48434**	12035
chr18	70453140	70472453	4930503L19Rik	**0.30499**	3010
chr14	56231401	56234656	Gzmc	**0.19649**	800
chr19	17432832	17837632	Pcsk5	**0.18419**	7504
chr10	103007847	103028777	Alx1	**0.38639**	4199
chr9	67759437	67760933	C2cd4b	**0.36222**	2100
chr19	5447698	5450351	Fosl1	**0.2294**	550
chr3	96555768	96566801	Gm15441	**0.258**	1200
chr7	33364343	33366319	Scgb2b20	**5.53743**	12552
chr15	4988762	5063773	C7	**0.55306**	6531
chr4	52430284	52438964	Smc2os	**0.29317**	800
chr11	98982180	98983016	Gjd3	**0.23324**	851
chr6	21985910	22255606	Cped1	**0.42499**	9074
chr2	164354313	164354383	Mir7678	**0.20355**	63
chr11	83116845	83122659	Slfn1	**0.14824**	1200
chr17	34845101	34845167	Mir6970	**0.50674**	148
chr4	127311420	127314039	Gja4	**0.35376**	2600
chr3	123006206	123034987	Myoz2	**0.95422**	4796
chr2	130295939	130370481	Ebf4	**0.16857**	1962
chrX	9885621	9998864	Sytl5	**0.31212**	9011
chr7	139972303	139978755	6430531B16Rik	**0.14246**	721
chr1	98031123	98047793	B230216N24Rik	**0.16728**	859
chr18	60925632	60988152	Camk2a	**0.4493**	10494
chr4	3901158	3938405	Plag1	**0.18808**	3800
chr1	5913707	5917398	Npbwr1	**0.14912**	2400
chr7	4518308	4522443	Tnni3	**0.68292**	2453
chr7	119486587	119523482	Pdilt	**0.20163**	1880
chr5	65863569	65896700	Rhoh	**0.15725**	3400
chr9	45117876	45130070	Scn2b	**0.12571**	2500
chr3	83766321	83774314	Sfrp2	**0.6764**	5900
chrX	48108725	48136981	Xpnpep2	**0.21209**	3234
chr12	101082451	101088927	D130020L05Rik	**0.28972**	2685
chr8	54077532	54186454	Vegfc	**0.26916**	2207
chr17	46254165	46257316	Lrrc73	**0.18233**	1100
chr11	102041511	102055617	Cd300lg	**0.26719**	3182
chr9	121756842	121759943	E530011L22Rik	**0.1627**	2200
chr9	119102478	119147694	Dlec1	**0.17806**	4085
chr11	16934709	16951282	Eldr	**0.33752**	2538
chr3	15495754	15575065	Sirpb1b	**0.19935**	1300
chr2	126034658	126091185	Fgf7	**0.60871**	7090
chr11	69554092	69560237	Efnb3	**0.21214**	2973
chr19	43956308	43986520	Cpn1	**0.21647**	1690
chr2	148436651	148443535	Cd93	**0.31618**	9149
chr16	30307685	30310781	Gp5	**0.292**	2799
chr14	21733395	21748622	Dusp13	**0.65525**	5607

chr8	85324929	85381041	Mylk3	**0.19111**	2710
chr18	37447657	37451094	Pcdhb14	**0.25356**	3800
chr2	5898060	5942792	Dhtkd1	**0.27444**	4229
chr5	111418166	111457025	Mn1	**0.25082**	6700
chr11	120530727	120538984	Gcgr	**0.1546**	1300
chr1	91801477	91848027	Twist2	**0.29724**	1700
chr18	60376029	60392629	Iigp1	**0.95478**	12998
chr18	4165832	4182236	Lyzl1	**0.21591**	800
chr15	11839896	11907371	Npr3	**0.29551**	9441
chr17	17887824	17893952	Fpr2	**0.24781**	1400
chr11	58994256	59136375	Obscn	**0.56394**	68916
chr14	69840407	70059918	Pebp4	**0.17603**	996
chr18	37680458	37682839	Pcdhgb1	**0.25271**	2624
chr11	49057196	49064212	Tgtp2	**0.56561**	6943
chr11	71153102	71230733	Nlrp1b	**0.14213**	3806
chr7	99466004	99474020	Klhl35	**0.21013**	1788
chr7	4825552	4844696	Shisa7	**0.21054**	5513
chr2	164163619	164171113	Kcns1	**0.17391**	2056
chr18	62548911	62661388	Spink10	**0.17948**	888
chr7	90426312	90428664	Ccdc89	**0.14624**	1500
chrX	75172715	75380041	F8	**0.19525**	6391
chr8	58911755	58914298	BC030500	**0.18095**	1266
chr7	44249855	44249938	Snord88c	**0.18844**	69
chr1	21001397	21079225	Tram2	**0.34856**	2112
chr16	78359860	78377181	Btg3	**0.27201**	83
chr5	137981521	137990232	Azgp1	**0.2095**	1200
chr9	58652880	58741559	Rec114	**0.23234**	870
chr6	125145241	125161782	Iffo1	**0.39552**	4912
chr11	60200538	60200617	Mir6921	**0.53623**	187
chr6	149408984	149563326	Bicd1	**0.18038**	7599
chr14	77156763	77721763	Enox1	**0.31071**	4727
chr17	34564295	34588543	Notch4	**0.22471**	6469
chr5	77205106	77211471	Spink2	**0.29934**	1100
chr1	90766860	90843971	Col6a3	**0.59138**	27947
chr17	8988333	9008319	1700010I14Rik	**0.21511**	1761
chr11	70705990	70706052	Mir6925	**0.20391**	56
chrX	167304926	167330571	Tlr7	**0.16143**	2800
chr1	14168958	14310199	Eya1	**0.24705**	4676
chr7	28284652	28291134	BC089491	**0.13217**	700
chr10	127849928	127861176	Rdh19	**0.28721**	2365
chr16	94085260	94127032	Sim2	**0.15964**	2554
chr2	64912482	65022766	Grb14	**0.60574**	5186
chr4	138799247	138863469	Pla2g5	**0.20167**	2000
chr7	43472907	43490023	Iglon5	**0.29303**	3279
chr14	55824795	55833943	Nfatc4	**0.36091**	6323
chr5	123510460	123511329	B3gnt4	**0.14081**	534
chr15	76120254	76126556	BC024139	**0.17543**	1677

chr8	84701457	84704711	Lyl1	**0.32546**	2548
chr5	72300025	72504540	Corin	**0.55945**	12274
chr18	37972623	37998969	Arap3	**0.19353**	4639
chr11	4236785	4241026	Osm	**0.14435**	1200
chr4	86053915	86428382	Adamtsl1	**0.17582**	6008
chr10	79617938	79637918	Shc2	**0.3126**	5392
chr1	59256907	59352369	Cdk15	**0.45446**	2926
chr8	95806830	95821728	4930513N10Rik	**0.24339**	2836
chr2	9883142	9889540	9230102O04Rik	**0.1872**	519
chr10	88729541	88731101	Gm4925	**0.17635**	1200
chr8	3743395	3748984	Cd209a	**0.40192**	2600
chr11	68556186	68558245	Mfsd6l	**0.2784**	2500
chr11	49609679	49652739	Flt4	**0.31788**	8091
chr16	13715057	13730983	Pla2g10	**0.4007**	2800
chr9	110857967	110864628	Prss50	**0.16634**	1055
chr6	124304651	124330527	Cd163	**0.26806**	5249
chr7	109798691	109865679	Scube2	**0.1896**	2944
chr2	144459280	144467794	Zfp133-ps	**0.26725**	1257
chr15	77748613	77755229	Apol8	**0.36195**	2900
chr18	37815079	37817983	Pcdhgc4	**0.20532**	2600
chr9	121937275	121947016	1700048O20Rik	**0.23375**	1883
chr5	112688876	112896362	Myo18b	**0.67839**	23894
chr5	24532697	24540448	Asb10	**0.50463**	5099
chr3	94464985	94473591	Riiad1	**0.75725**	2073
chr10	59403685	59421976	Pla2g12b	**0.35121**	1632
chr17	27143971	27167764	Ip6k3	**0.22731**	2284
chr6	114397936	114483296	Hrh1	**0.27564**	4900
chr9	37539255	37544205	Vsig2	**0.13725**	700
chr2	77009906	77170635	Ccdc141	**0.22581**	6230
chr10	22173875	22173901	Raet1b	**1.47837**	174
chr10	70440668	70557685	Fam13c	**0.2566**	2755
chr5	147957320	148316065	Mtus2	**0.20592**	6771
chr18	37731154	37733559	Pcdhgb5	**0.16371**	1717
chr7	122219496	122222539	Chp2	**0.5262**	2686
chr11	120635712	120643670	Pycr1	**0.25373**	3223
chr7	126781483	126785548	Tbx6	**0.18018**	1347
chr16	20684256	20684313	Snord66	**0.2294**	58
chr11	108395297	108414396	Apoh	**0.17408**	900
chr17	25242800	25256364	Baiap3	**0.23852**	4683
chr6	22288227	22298522	Wnt16	**0.19181**	1393
chr19	5495278	5510489	Snx32	**0.31699**	2280
chr4	156021645	156023824	Gm10560	**0.17715**	651
chr9	51056780	51077094	Layn	**0.20551**	1600
chr18	37854605	37854660	Mir6979	**0.2294**	56
chr6	131219235	131247362	Klra2	**0.27976**	2300
chr7	120982509	121014787	4933427G17Rik	**0.20211**	1659
chr2	25490845	25493911	Lcn12	**0.28131**	878

chr11	62711486	62729093	Zfp287	**0.16905**	3700
chr1	173521311	173535957	BC094916	**0.35456**	2000
chr15	75746843	75747922	Mafa	**0.29589**	1393
chr9	45318266	45322079	1700003G13Rik	**0.2347**	664
chr11	89300638	89302559	Nog	**0.20374**	1707
chr3	103966621	103968257	Phtf1os	**0.26382**	1740
chrX	71963021	71972728	Prrg3	**0.19448**	5000
chr6	71373427	71379171	Cd8a	**0.15069**	2056
chr18	36763709	36766214	Dnd1	**0.38811**	2421
chr13	68597439	68614231	1700001L19Rik	**0.16495**	1300
chr17	43801851	44039516	Rcan2	**0.54112**	9098
chr17	28066747	28080639	Tcp11	**0.23075**	2051
chr8	83723903	83723978	Mir1668	**0.4256**	141
chr15	83226722	83251774	A4galt	**0.24259**	2300
chr7	143021784	143053686	R74862	**0.27488**	4624
chr18	37341702	37345207	Pcdhb7	**0.47438**	7250
chr16	30021842	30039479	9030404E10Rik	**0.26564**	1400
chr19	36554639	36619417	Hectd2	**0.26985**	3583
chr12	85086814	85106431	Prox2	**0.23094**	2700
chrX	136224041	136226100	Tceal7	**0.61426**	2600
chr13	23427976	23431017	C230035I16Rik	**0.15876**	427
chr3	108458069	108536522	5330417C22Rik	**0.27368**	3968
chr7	139103638	139213274	Stk32c	**0.17514**	1672
chr7	143005046	143019485	Tspan32	**0.21357**	1700
chr1	133897194	133907999	Optc	**0.21026**	1900
chr7	44731482	44748391	Zfp473	**0.17964**	3148
chr3	59318413	59344256	Igsf10	**0.22504**	8246
chr4	156246966	156255338	Samd11	**0.19793**	1736
chr15	84785376	84856129	Phf21b	**0.2427**	3943
chr5	69516670	69542647	Yipf7	**0.52448**	2787
chr4	134102583	134126780	Ubxn11	**0.24526**	1686
chr19	6400583	6415216	Rasgrp2	**0.23421**	2239
chr17	23917458	23919441	Dcpp3	**1.35874**	3613
chr2	122426477	122461130	Slc28a2	**0.17857**	3039
chr11	48985329	48992246	Tgtp1	**0.35223**	4313
chr11	70224127	70229798	Bcl6b	**0.20757**	3100
chr10	4266329	4359471	Akap12	**0.36355**	9900
chr15	4020111	4027406	BC037032	**0.2193**	4015
chr17	34039437	34066242	Col11a2	**0.13334**	3258
chr5	24364819	24384180	Nos3	**0.24522**	4093
chr4	116877402	116989105	Zswim5	**0.14945**	3516
chr3	65527485	65529414	4931440P22Rik	**0.22968**	1675
chr14	34375504	34404286	Mmrn2	**0.38486**	6600
chr6	87104746	87113003	D6Ertd527e	**0.25752**	2500
chr9	122682876	122682974	Mir138-1	**0.2155**	93
chr11	108425266	108860615	Cep112	**0.3409**	5577
chr5	116040534	116083246	Tmem233	**1.19978**	3661

chr1	53806874	54195034	Hecw2	**0.16747**	8274
chr13	58392779	58392886	Mir7-1	**0.47367**	223
chr6	127149389	127212419	9330179D12Rik	**0.24568**	1600
chr6	67036599	67080652	E230016M11Rik	**0.18831**	1251
chr8	84148038	84172597	4930432K21Rik	**0.21156**	2300
chr16	91688898	91715755	Gm10785	**0.30333**	2187
chr7	44225437	44229617	Klk1	**0.31425**	1200
chr10	121641701	121693914	D930020B18Rik	**0.19446**	2905
chr4	149449702	149454968	Rbp7	**0.34758**	900
chr9	64385626	64709205	Megf11	**0.23812**	6883
chr15	82370527	82380260	Cyp2d22	**0.19862**	2400
chr4	63832824	63861284	Tnfsf8	**0.13385**	1300
chr1	52008244	52107184	Stat4	**0.20332**	2642
chr9	21029373	21030531	Icam4	**0.27822**	1100
chr12	26442743	26456452	Rsad2	**0.33316**	5497
chr3	49743296	49757316	Pcdh18	**0.18643**	4200
chr19	9985172	10001633	Best1	**0.21783**	1977
chr15	54745928	54753761	Nov	**0.6497**	6698
chr7	63444772	63759027	Otud7a	**0.17021**	2568
chr13	24582189	24733806	Fam65b	**0.18977**	6096
chr17	25877628	25880858	Wfikkn1	**0.26233**	2900
chr9	72958785	72973067	Dyx1c1	**0.20864**	1799
chr11	50832031	50841552	Zfp879	**0.13116**	1379
chr14	52016865	52019787	Tmem253	**0.23691**	1041
chr11	54303824	54361539	Acsl6	**0.20246**	2713
chrX	136200951	136203851	Tceal5	**0.26147**	1158
chrX	123103559	123143293	3110007F17Rik	**0.16258**	652
chr18	60912240	60917768	Arsi	**0.14001**	1051
chr16	77598936	77599000	Mir99a	**0.23293**	66
chr5	129794561	129794676	Snora15	**0.48847**	247
chr7	121083438	121163089	Otoa	**0.20683**	3290
chr4	120930137	120951701	Zfp69	**0.27171**	2800
chr1	46066738	46373550	Dnah7b	**0.18024**	9678
chr9	48654297	48835945	Zbtb16	**0.19509**	4349
chr18	37307455	37311173	Pcdhb4	**0.16038**	2600
chr11	102881244	102885168	Ccdc103	**0.13086**	1000
chr18	23310020	23659719	Dtna	**0.35903**	11569
chr12	44221356	44224380	Gm2027	**0.15789**	2082
chrX	139779681	139782353	Ripply1	**0.38988**	1154
chr4	83378317	83390668	Gm11413	**0.12734**	811
chr7	59982501	59983277	Snurf	**0.14762**	500
chr11	116216002	116220287	Cdk3-ps	**0.30335**	1887
chr1	34535648	34544311	Cfc1	**0.33151**	1500
chr10	77897576	77902536	Lrrc3	**0.16552**	3099
chr13	23746734	23747223	Hist1h2bb	**0.15122**	323
chr12	73548483	73551986	2210039B01Rik	**0.19915**	902
chr2	72745846	72813717	6430710C18Rik	**0.1442**	1293

chr19	60755987	60759914	Nanos1	**0.20441**	3500
chr9	95706629	95750358	Trpc1	**0.18279**	2400
chr3	116562973	116583134	Lrrc39	**0.36492**	7198
chr1	164062076	164080785	Sell	**0.2549**	2579
chr2	83812728	83881358	Fam171b	**0.1487**	2200
chr7	107567433	107591365	Olfml1	**0.29406**	2524
chr9	44511787	44526421	Cxcr5	**0.19229**	2192
chr19	60837277	60861430	Sfxn4	**0.137**	1631
chr11	104550663	104587219	Myl4	**0.54454**	2096
chr15	100730505	100732737	I730030J21Rik	**0.23967**	1004
chr11	69326258	69333041	Kcnab3	**0.19405**	2146
chr13	28460034	28885422	2610307P16Rik	**0.20178**	2389
chrX	136742957	136803361	BC065397	**0.1607**	2194
chr8	105131800	105150109	Ces4a	**0.23534**	2496
chr11	120646031	120648337	Myadml2	**0.52618**	2546
chr6	137252299	137464633	Ptpro	**0.15743**	4631
chr9	62677855	62783979	Itga11	**0.16454**	3541
chr13	49504810	49532789	Ecm2	**0.41466**	6500
chr1	37946738	37957759	Lyg1	**0.19318**	672
chr2	28955481	29055066	1700101E01Rik	**0.22176**	900
chr6	113392497	113414571	Ttll3	**0.17391**	2360
chr10	29453107	29535867	Rspo3	**0.46895**	4898
chr17	14978864	14991577	9030025P20Rik	**0.18255**	1687
chr8	93810838	93969388	Gnao1	**0.21279**	7172
chr2	25563115	25571316	Mamdc4	**0.18421**	3204
chr14	70520942	70524081	Sftpc	**0.14284**	500
chrX	56374586	56378470	6330419J24Rik	**0.13477**	1800
chr15	76294434	76296896	Smpd5	**0.14317**	1026
chr2	71529445	71533980	Dlx1	**0.43392**	3261
chr1	86351170	86351285	Snora75	**0.13646**	69
chr17	25570811	25575043	2810468N07Rik	**0.18706**	1100
chr1	59989068	60043087	Ica1l	**0.26988**	4294
chr10	70925096	71159634	Bicc1	**0.199**	2690
chr8	22634384	22636809	A930013F10Rik	**0.16075**	1700
chr4	21931326	22001461	Faxc	**0.14979**	6100
chr11	102576399	102579119	Gm11627	**0.16943**	500
chr1	58278326	58379264	Aox2	**0.15442**	3215
chr19	20492715	20556410	E030003E18Rik	**0.32899**	1556
chr8	123117374	123135185	Cpne7	**0.15605**	1636
chr13	60895351	60897447	Ctla2b	**0.2774**	1023
chr11	58183843	58190198	Gm12250	**0.54311**	6397
chr17	47687610	47691092	Tomm6os	**0.14535**	1264
chr11	106751226	106768794	Milr1	**0.13607**	1423
chr3	94413318	94431499	Tdrkh	**0.15426**	1782
chr12	20804392	20815779	1700030C10Rik	**0.17298**	1300
chr1	173331886	173333503	Ackr1	**0.80786**	4078
chr18	65698268	65751537	Oacyl	**0.15211**	2275

chr5	43151686	43235354	Gm7854	**0.15589**	880
chrX	143802237	143827412	Capn6	**0.23889**	3700
chrX	75725458	75764699	4933407K13Rik	**0.19026**	2800
chr6	16833381	16898441	Tfec	**0.14932**	1158
chr9	88595325	88599243	9430037G07Rik	**0.15488**	2145
chr3	15371827	15426427	Sirpb1a	**0.14896**	800
chr3	107438303	107458898	Kcnc4	**0.7275**	9555
chrX	136981116	137038302	Slc25a53	**0.27369**	3887
chr1	152955101	153119261	Nmnat2	**0.26546**	5234
chr11	115462473	115474398	Slc16a5	**0.15732**	2071
chr14	23298694	24004205	Kcnma1	**0.22238**	7596
chr16	36156811	36161948	Stfa2l1	**0.42223**	762
chr17	43389466	43459557	Gpr116	**0.4244**	15790
chr18	61687935	61692537	Il17b	**0.16509**	498
chr4	140727355	140742643	Padi6	**0.23402**	2380
chr2	35751226	35979624	Ttll11	**0.26132**	3635
chr4	144418191	144438772	1700012P22Rik	**0.21383**	906
chr1	87147655	87156356	Ecel1	**0.27436**	3570
chr11	60728663	60728726	Mir5100	**0.23657**	66
chr11	61343400	61378075	Slc47a1	**0.17114**	1965
chr5	105014153	105053561	Gbp8	**0.39182**	4200
chr16	35155636	35304549	Adcy5	**0.21666**	4779
chr11	61022564	61073267	Kcnj12	**0.31922**	6799
chr11	78394485	78405657	Slc13a2os	**0.13856**	1809
chr18	63010213	63387183	Piezo2	**0.14474**	6766
chr9	21062393	21067093	Zglp1	**0.14377**	633
chr11	17051934	17079372	Cnrip1	**0.39024**	2618
chr2	43748824	44395953	Arhgap15	**0.18084**	4495
chr10	81704825	81881086	Zfp433	**0.15396**	3200
chr6	50566643	50594865	5430402O13Rik	**0.13463**	591
chr13	49582747	49592609	Omd	**0.69581**	5311
chr5	30950066	30950248	Abhd1	**0.21812**	174
chr18	34207775	34221772	Gm10548	**0.18324**	2100
chr14	56059744	56062310	Mcpt4	**0.78785**	3400
chr6	143828425	144209568	Sox5	**0.25034**	8000
chr2	93029348	93033445	4631405J19Rik	**0.27748**	1489
chr3	84593574	84597032	Tigd4	**0.26522**	3999
chr8	68368459	68375710	1700125H03Rik	**0.14187**	470
chr2	116074548	116076096	2810405F15Rik	**0.13329**	900
chr5	139406387	139416092	C130050O18Rik	**0.1601**	1400
chr5	98929773	99037079	Prkg2	**0.28504**	5835
chr9	60713121	60738801	Larp6	**0.28805**	2898
chr6	124624625	124636085	C1s2	**0.1428**	1657
chr2	91922189	91929804	Chrm4	**0.16626**	1988
chr2	167690759	167697413	A530013C23Rik	**0.14834**	1431
chr8	94152607	94154148	Mt3	**0.29422**	690
chr7	34011919	34013942	Scgb2b27	**0.15821**	400

chr17	25274124	25275528	Gm17801	**0.13972**	765
chr14	26894604	26915257	Asb14	**0.46552**	4089
chrX	167242732	167263788	Tlr8	**0.13998**	1927
chr11	50602085	50807573	Adamts2	**0.35666**	11295
chr6	84008598	84211059	Dysf	**0.23391**	7207
chr4	143349750	143371028	Lrrc38	**0.24646**	2500
chr16	21891969	21931877	Map3k13	**0.12744**	3727
chr5	33983474	33985006	Gm1673	**0.16042**	300
chr13	76384961	77031810	Mctp1	**0.16575**	3099
chr5	147330742	147400489	Flt3	**0.20073**	3199
chr7	110868258	110982461	Mrvi1	**0.46121**	12268
chr3	96282909	96293969	Fcgr1	**0.21842**	2465
chr11	58608206	58613492	2210407C18Rik	**0.29882**	1145
chr2	104886324	104999656	Ccdc73	**0.17109**	2881
chr10	61297836	61304263	Prf1	**0.16753**	1500
chr14	32785963	32817968	1810011H11Rik	**0.21383**	1373
chr5	139907943	139974724	Elfn1	**0.18537**	3098
chr18	32939041	33195767	Camk4	**0.14511**	7800
chr9	21032038	21039036	Icam5	**0.1724**	2241
chr10	75589381	75616968	Ggt5	**0.19735**	3559
chr19	28923064	28963919	4430402I18Rik	**0.34057**	2846
chrX	99821069	99846345	Tmem28	**0.16201**	1000
chr4	116589733	116597630	C530005A16Rik	**0.1992**	1438
chr15	77698889	77719288	Apol7e	**0.1644**	1596
chr5	96373955	96784728	Fras1	**0.16296**	11258
chr6	135237330	135254336	Gsg1	**0.19853**	1286
chr3	141837136	142169228	Bmpr1b	**0.1398**	3400
chr13	62129890	62173936	Zfp808	**0.30941**	4200
chrX	73074345	73082507	Xlr4a	**0.13483**	700
chr19	42036038	42045110	Ankrd2	**0.31345**	1503
chrX	102066542	102071307	Rgag4	**0.15364**	2900
chr7	132315664	132318291	Gm10584	**0.1499**	1646
chr7	64501706	64753876	Apba2	**0.187**	2800
chr4	63724603	63745113	Tnfsf15	**0.16906**	4295
chr7	62417593	62420139	Mkrn3	**0.18014**	2000
chr14	69029289	69041401	Stc1	**0.22891**	3735
chr6	55451978	55501455	Adcyap1r1	**0.27389**	7456
chr10	41914990	42018382	Armc2	**0.16537**	3507
chr5	113075839	113081584	Crybb3	**0.49331**	1630
chr2	26637847	26637985	Snora43	**0.35483**	215
chr12	80518990	80603896	Galnt16	**0.1758**	3004
chr6	65671611	65706930	Ndnf	**0.53869**	10999
chr4	124855243	124862171	Maneal	**0.21458**	2547
chr12	58264720	58269258	Clec14a	**0.24259**	4800
chr19	57323197	57360899	B230217O12Rik	**0.34774**	2962
chr3	15948070	16006332	Gm5150	**0.15076**	600
chr10	44170447	44219585	Speer5-ps1	**0.16248**	1078

chrX	135839034	135844730	Gprasp2	**0.13219**	2200
chr18	37400855	37403909	Pcdhb9	**0.46549**	6199
chr1	74738922	74748955	Prkag3	**0.28432**	3510
chr2	93642434	93681339	Alx4	**0.42768**	9700
chr17	10319919	10321141	B930003M22Rik	**0.33763**	1800
chr19	43675178	43677170	BC037704	**0.13813**	1200
chr7	35493610	35537744	Tdrd12	**0.27568**	1948
chr7	109998377	110006646	1600010M07Rik	**0.1862**	500
chr16	23146536	23157968	Adipoq	**0.22344**	1200
chr8	105518746	105523988	Hsd11b2	**0.14888**	1200
chr1	75375297	75432304	Speg	**0.3339**	17354
chr12	24665838	24681795	Cys1	**0.24959**	1966
chr1	162916551	162937225	Fmo6	**0.26878**	2191
chr3	59216271	59262831	P2ry12	**0.1668**	1700
chr11	50921786	50931635	Zfp354b	**0.21938**	2385
chr6	142564939	142571356	Kcnj8	**0.16775**	1600
chr7	45639977	45645768	Mamstr	**0.22309**	2119
chr1	156839023	156861079	Angptl1	**0.1625**	1552
chr7	4690928	4715997	Brsk1	**0.21588**	2298
chr17	24719676	24719832	Snora78	**0.38575**	264
chr17	34238905	34245908	H2-Ob	**0.12888**	1500
chr14	123660140	123974079	Itgbl1	**0.85581**	8793
chr4	154026644	154042677	Ccdc27	**0.16732**	1520
chr1	161987302	162478034	Dnm3	**0.21745**	7131
chr13	58004957	58102428	Klhl3	**0.15733**	1469
chr17	65637505	65642204	Txndc2	**0.169**	1399
chr17	31152752	31163052	LOC102631757	**0.18768**	1201
chr11	116280939	116283938	Galr2	**0.20918**	1769
chr3	8509527	8561604	Stmn2	**0.61435**	5099
chr6	136828843	136840557	BC049715	**0.15586**	710
chr11	113619481	113625895	Sstr2	**0.171**	1142
chr2	167203196	167240537	Ptgis	**0.5737**	4379
chr17	27091245	27091311	Mir7677	**0.14723**	43
chr1	156255296	156303606	Tdrd5	**0.14544**	2167
chr12	41451668	41486057	Lrrn3	**0.15641**	2400
chr10	127225695	127263363	Kif5a	**0.15498**	4733
chr8	24677234	24725825	Adam3	**0.24457**	2886
chr5	109833501	109834142	Gm10416	**0.17831**	499
chr11	74619605	74641516	E130309D14Rik	**0.18916**	3300
chr2	163820834	163833147	Wisp2	**0.34895**	2700
chr11	99948475	99949551	Krtap9-5	**0.1917**	900
chr7	4504570	4515975	Tnnt1	**0.46015**	2060
chr1	171250422	171259922	Adamts4	**0.26238**	4201
chr9	77102084	77347870	Mlip	**0.57201**	3052
chr5	37735519	37739820	Cytl1	**0.85755**	3641
chr19	10455371	10457447	Lrrc10b	**0.2209**	2000
chr9	52002061	52048705	Gm6981	**0.14083**	900

chr2	165395450	165400394	Ocstamp	**0.12901**	1100
chr11	106377656	106382641	Icam2	**0.40176**	2000
chr8	84208672	84208758	Mir27a	**1.04154**	395
chr2	130801966	130804101	Gm14057	**0.23628**	2200
chr12	4862438	4874359	Mfsd2b	**0.12898**	1757
chr2	148846714	148850934	9230104L09Rik	**0.16525**	474
chr16	38396117	38433145	Pla1a	**0.15108**	1300
chr18	37736936	37739543	Pcdhga9	**0.14074**	1600
chr19	12599984	12627616	Gm4952	**0.16311**	1144
chrX	104854952	104857267	Magee2	**0.12877**	1300
chr7	29170210	29173933	Ggn	**0.15357**	1776
chr14	104462325	104467999	Pou4f1	**0.15622**	2585
chr10	84547417	84553338	C330046G13Rik	**0.14445**	840
chr8	70895508	70895570	Mir7067	**0.43696**	120
chr12	76444497	76448698	Gm10451	**0.73573**	2864
chr14	15357516	15438987	Lrrc3b	**0.1627**	1178
chr1	157506796	157568424	Sec16b	**0.18229**	3695
chr2	31887281	31946535	Lamc3	**0.2978**	7698
chr18	44661665	44676271	A930012L18Rik	**0.1517**	1187
chr3	146149833	146195511	Mcoln2	**0.18938**	2200
chr13	22035821	22036320	Hist1h2bk	**0.2294**	500
chr1	93135240	93145421	Agxt	**0.18967**	1284
chr4	129111627	129121925	Hpca	**0.12902**	1000
chr3	87376387	87392133	Fcrl1	**0.12987**	1156
chr7	145300909	145309557	Mrgprf	**0.25159**	2200
chr11	62604530	62604586	Snord65	**0.27367**	68
chr3	121634936	121646453	A730020M07Rik	**0.13836**	1664
chrX	73033981	73037103	Pnma5	**0.35689**	3558
chr13	48538179	48538272	Mirlet7a-1	**0.36363**	149
chr2	160311401	160327494	Gm826	**0.29883**	1429
chr14	32659119	32685272	3425401B19Rik	**0.44251**	10700
chr15	102150575	102163436	Soat2	**0.3686**	3416
chr15	78537015	78544345	Sstr3	**0.14016**	2400
chr18	37435621	37438654	Pcdhb12	**0.24952**	3300
chr15	85581142	85593708	AU022754	**0.13789**	1766
chr11	101330606	101339430	Aoc3	**0.3392**	6500
chrX	37082912	37083033	Snora69	**1.03043**	548
chr3	32817626	32935257	Usp13	**0.41935**	8566
chr2	164025224	164050538	Pabpc1l	**0.14787**	1663
chr2	76703984	76982547	Ttn	**0.33806**	153732
chr9	22411577	22444679	9530077C05Rik	**0.23025**	2165
chr8	22073616	22125053	Nek5	**0.26318**	2758
chr6	91987110	92076005	Fgd5	**0.14171**	3473
chr12	110667689	110682619	1700001K19Rik	**0.17458**	726
chr10	93336232	93348879	Gm17745	**0.15696**	585
chr4	24973419	25009233	Gpr63	**0.15826**	1635
chr2	31806168	31810518	Qrfp	**0.19254**	2403

chr7	127017542	127021211	Prrt2	**0.17486**	1898
chr3	104944805	104961709	Wnt2b	**0.15653**	2438
chr4	150119344	150144168	Slc2a5	**0.15249**	2058
chr3	105973802	105987423	Ovgp1	**0.18398**	2025
chr10	79531029	79531090	Mir6909	**0.48101**	130
chr15	79609576	79658956	Fam227a	**0.16979**	3839
chr8	123212858	123222045	Spata33	**0.30602**	691
chr17	45732864	45733844	1600014C23Rik	**0.31**	700
chr16	11203383	11225796	2610020C07Rik	**0.1795**	1500
chr9	65398488	65414853	Rasl12	**0.23001**	3795
chrX	73192179	73202930	Xlr3b	**0.14187**	1000
chr5	142702101	142722490	Slc29a4	**0.21386**	2600
chrX	85870273	85891499	5430427O19Rik	**0.23927**	4000
chr15	98708227	98723333	Ccdc65	**0.14666**	1200
chr14	73206763	73206851	Mir687	**0.33251**	129
chr5	87666208	87682577	Csn1s1	**0.40877**	2557
chr11	120007316	120047145	Aatk	**0.16786**	4200
chr6	83034224	83052564	Loxl3	**0.15977**	2448
chr18	62592413	62596264	Spink7	**0.26052**	293
chr2	25575416	25580099	Gm996	**0.20413**	4168
chr2	121453482	121456764	Serinc4	**0.18545**	1021
chr14	31208312	31211711	Tnnc1	**0.16316**	500
chr19	36621136	36689479	1500017E21Rik	**0.15844**	652
chr1	85246344	85270566	C130026I21Rik	**1.93893**	16659
chr18	37320381	37323913	Pcdhb5	**0.19479**	3000
chr6	48746197	48754200	Gimap5	**0.16529**	1400
chr2	25624667	25627974	Fcna	**0.20902**	1200
chr10	97607205	97613688	Kera	**0.23528**	2000
chr10	105574551	105583870	Gm15663	**0.19181**	2679
chr13	36725622	36734477	Nrn1	**0.49487**	3499
chr14	75016027	75052532	5031414D18Rik	**0.17921**	2071
chr4	126286794	126314330	Col8a2	**0.29651**	5598
chr16	32271609	32274779	Smco1	**0.3078**	1700
chr17	74426295	74459108	Nlrc4	**0.29485**	4933
chr16	10420559	10447350	Tvp23a	**0.14142**	1731
chr3	95871522	95889093	C920021L13Rik	**0.1336**	880
chr5	112385445	112392213	Asphd2	**0.14455**	1000
chr7	43457497	43457569	Mir7051	**0.77934**	248
chr16	66655421	67620908	Cadm2	**0.14494**	5881
chr15	74709161	74710374	4933427E11Rik	**0.17094**	848
chr9	73479424	73933567	Unc13c	**0.14944**	5263
chr4	120697473	120747176	Kcnq4	**0.19178**	2100
chr2	157560078	157562525	Nnat	**0.14372**	837
chr1	55170160	55226782	Rftn2	**0.35153**	5633
chr13	120300392	120308841	BC147527	**0.14606**	1055
chr4	125490831	125714173	Grik3	**0.1257**	4845
chr1	194955759	194976959	Gm16897	**0.14207**	1451

chr7	29158829	29168647	Spred3	**0.13574**	2400
chr13	33084103	33094380	Serpinb1b	**0.19923**	1492
chr5	120876142	120887598	Oas1g	**0.18589**	1615
chr2	118277098	118373419	Gpr176	**0.15837**	2700
chr7	142544609	142558598	Nctc1	**0.42373**	3890
chrX	21079150	21089229	Zfp300	**0.14272**	2898
chr4	119637732	119639465	Guca2a	**0.20482**	500
chr17	66666848	67354459	Ptprm	**0.15818**	3840
chr11	75164565	75170255	Hic1	**0.18385**	3600
chr10	40630011	40649931	Ddo	**0.21411**	2800
chr9	111561434	111690216	Stac	**0.1713**	1878
chr1	130670202	130681571	C4bp-ps1	**0.29786**	979
chr3	155093434	155194278	Lrriq3	**0.17582**	2031
chr13	48537829	48537917	Mirlet7f-1	**0.18043**	70
chr11	109354778	109363654	Gm11696	**0.14129**	1610
chr6	129532184	129532942	1700101I11Rik	**0.18135**	600
chr15	82070117	82126814	Mei1	**0.14945**	2600
chr17	56875633	56888838	1700061G19Rik	**0.13708**	1467
chr11	67171027	67197517	Myh2	**0.66132**	17536
chr10	40683282	40811083	Mettl24	**0.30007**	2000
chr15	91145871	91191807	Abcd2	**0.1822**	4400
chr2	85647363	85648319	Olfr1002	**0.14383**	600
chr3	89831370	89858846	She	**0.15573**	3900
chr3	68064802	68572663	Schip1	**0.14485**	466
chr9	62858104	62875917	Calml4	**0.20486**	768
chr2	104559184	104571429	4930500J02Rik	**0.25825**	1289
chr4	156053905	156053987	Mir429	**0.48368**	175
chr13	23551286	23551643	Hist1h4f	**0.18903**	295
chr7	119526265	119543360	Acsm5	**0.13611**	1478
chr18	37489465	37494503	Pcdhb18	**0.13658**	3000
chr12	81419549	81421878	Adam4	**0.17338**	1761
chr16	29209695	29230530	Hrasls	**0.13379**	1700
chr10	127172426	127180645	Slc26a10	**0.1799**	1737
chr11	85171096	85181154	1700125H20Rik	**0.14117**	600
chr13	113662896	113663676	Hspb3	**0.35248**	1200
chr17	67630965	67632723	Lrrc30	**0.66512**	5100
chr5	31569592	31571397	AI839979	**0.15646**	800
chr5	135747220	135778385	Styxl1	**0.12565**	947
chr9	87702800	87731260	Tbx18	**0.318**	6486
chr5	35502218	35525626	Cpz	**0.19003**	1800
chr18	37674335	37676907	Pcdhga3	**0.12964**	1454
chr2	167538227	167542811	Snai1	**0.25862**	1788
chr14	56010292	56011480	Gm5801	**0.17345**	899
chr9	113977202	114026751	Fbxl2	**0.15118**	1950
chr11	88098058	88100107	2210416O15Rik	**0.17829**	1015
chr7	104329471	104336617	Trim34b	**0.17829**	1193
chr11	82045712	82047523	Ccl7	**0.28711**	1000

chr11	103198944	103208548	1700023F06Rik	**0.17621**	921
chr17	25565893	25570686	Sox8	**0.13004**	1700
chr8	95017692	95045249	Gpr97	**0.15055**	1600
chr19	34668406	34747111	Slc16a12	**0.15406**	2599
chr4	94739289	94874976	Tek	**0.29253**	5996
chr7	3424662	3434940	Cacng6	**0.57219**	1953
chr1	91351073	91362404	Klhl30	**0.47856**	6300
chr3	65109368	65378225	Kcnab1	**0.24306**	3683
chr3	82032004	82074711	Gucy1b3	**0.16904**	2383
chr8	79965851	80058008	Hhip	**0.26028**	10300
chr16	48872608	48874498	Retnlg	**0.26412**	700
chr3	84174638	84175193	Gm6525	**0.13121**	318
chr5	25499797	25504473	4831440E17Rik	**0.13709**	2795
chr5	22528221	22529030	Gm15421	**0.28321**	1000
chr2	84432860	84476775	Tfpi	**0.27237**	4488
chr6	39118473	39148312	4930599N23Rik	**0.55165**	1426
chr3	135281221	135304425	Bdh2	**0.32677**	1668
chr15	77524867	77533315	Apol7c	**0.15488**	1380
chr7	7212996	7278289	Vmn2r29	**0.1408**	2336
chr7	30818357	30823775	Ffar2	**0.19023**	2200
chr2	92599707	92615252	Chst1	**0.22239**	2600
chr11	34314822	34422640	Fam196b	**0.1623**	3800
chr16	17894203	17895653	Tssk1	**0.2596**	1642
chr11	68943154	68956858	Arhgef15	**0.21531**	3882
chr14	20482864	20496901	Mss51	**0.1401**	1117
chr1	173334254	173367695	Cadm3	**0.36404**	6600
chr6	113596762	113600715	Fancd2os	**0.17028**	1008
chr3	31149920	31164326	Cldn11	**0.19595**	1599
chr11	110025634	110095937	Abca8a	**0.23692**	5800
chr17	78883938	78906992	Sult6b1	**0.24288**	2181
chr4	62525369	62547993	4933430I17Rik	**0.13033**	1013
chr13	116298270	116309688	Isl1	**0.35319**	3889
chr16	17113398	17125106	2610318N02Rik	**0.12684**	700
chr10	26981285	27616942	Lama2	**0.18165**	7691
chr9	54286486	54341777	Gldn	**0.19545**	3961
chr2	130543791	130563749	4930473A02Rik	**0.15942**	779
chr12	108334381	108362234	Cyp46a1	**0.17871**	1650
chr2	119519404	119547627	Exd1	**0.13145**	1801
chr1	150562502	150993435	Hmcn1	**0.13403**	10700
chr5	118190736	118245025	Rnft2	**0.14856**	2900
chr15	7206120	7398390	Egflam	**0.23457**	4998
chr7	81057600	81105612	Alpk3	**0.48315**	13414
chr7	26307192	26315088	Cyp2a4	**0.14165**	1059
chr4	99656299	99658671	Foxd3	**0.1278**	1322
chrX	19146294	19146388	Mir221	**0.34048**	141
chr18	61045150	61085067	Pdgfrb	**0.38409**	9063
chrX	168795099	169304440	Arhgap6	**0.1408**	3839

chr4	109017655	109017730	Mir761	**0.34109**	113
chr11	87578389	87590539	Sept4	**0.14828**	1199
chr15	94270163	94404350	Adamts20	**0.17987**	6878
chr17	12419974	12507704	Slc22a3	**0.13106**	1999
chrX	23219271	23365082	Klhl13	**0.16928**	2599
chr12	100187968	100193538	Gm10433	**0.13889**	1200
chr17	17876471	17883939	Fpr1	**0.13872**	800
chr5	21884454	22344705	Reln	**0.15261**	7782
chr4	101717407	101815354	Lepr	**0.29393**	8500
chr2	181022311	181039177	Chrna4	**0.14994**	2900
chr1	164148576	164149019	Gm16548	**0.1643**	318
chr15	98286122	98296083	Zfp641	**0.19618**	3141
chr17	15009840	15022449	Gm3435	**0.14313**	1100
chr2	32687664	32687759	Mir8093	**0.23418**	98
chr11	44618100	45008096	Ebf1	**0.184**	4271
chr18	65873479	65886596	Grp	**0.21864**	853
chr8	41191434	41215156	Fgl1	**0.18434**	900
chr13	97067287	97129426	Fam169a	**0.13905**	2724
chr7	19086828	19086892	Mir3100	**0.2294**	65
chr13	23756937	23757386	Hist1h4b	**0.20391**	400
chr1	135160250	135167681	Gpr37l1	**0.13237**	1300
chr17	36923792	36933432	1700031A10Rik	**0.15562**	445
chr5	88887260	89239656	Slc4a4	**0.14991**	4896
chrX	37432494	37437278	Rhox4b	**0.14085**	544
chr17	75435905	75529053	Rasgrp3	**0.19539**	4200
chrX	114474333	114561129	Klhl4	**0.22438**	3799
chr4	131899478	131920029	Gm12992	**0.14676**	2765
chr2	25423242	25426373	Fut7	**0.16672**	1500
chr16	36221562	36257427	2010005H15Rik	**0.1286**	296
chr18	36684923	36695925	E230025N22Rik	**0.18207**	1600
chr16	33518329	33664135	Slc12a8	**0.28235**	3994
chr2	144368983	144369031	Pet117	**0.23408**	50
chr5	75933270	75978428	Kdr	**0.19885**	4725
chr6	122605403	122610071	Gdf3	**0.20667**	1900
chr10	80356459	80365489	Plk5	**0.15022**	1383
chr3	33815412	33844310	Ccdc39	**0.1504**	1561
chr19	8850785	8853909	Lrrn4cl	**0.51511**	5800
chr1	106152625	106171524	Gm20753	**0.29886**	710
chr17	34670535	34719815	Tnxb	**0.3253**	13569
chr1	167598362	167639623	Rxrg	**0.33008**	3400
chr6	30176623	30178040	BB283400	**0.21015**	1299
chr6	58905233	58907126	Nap1l5	**0.16957**	1400
chr15	73694607	73707505	Gpr20	**0.25715**	2400
chr19	58795751	58860984	Hspa12a	**0.17206**	4300
chr18	13687014	13972733	Zfp521	**0.16406**	4399
chr3	51559757	51567116	5031434O11Rik	**0.32877**	1029
chr2	21180731	21205365	Enkur	**0.22538**	1178

chr2	147364994	147375048	Pax1	**0.16523**	1900
chr13	60205471	60216018	Gm5084	**0.31062**	4880
chr1	164115264	164150026	Selp	**0.38234**	5000
chr4	14930641	14947545	Gm11837	**0.23743**	503
chr12	40176386	40199315	Lsmem1	**0.26798**	1417
chr16	44820728	44839150	Cd200r4	**0.31037**	2300
chr16	78250863	78255454	E330011O21Rik	**0.31821**	1315
chr14	65666403	65764826	Scara5	**0.38592**	9414
chr1	134193448	134198560	Mybph	**0.61194**	3113
chr7	120132361	120145290	Zp2	**0.15599**	1496
chr12	102948859	103183997	Unc79	**0.13058**	5049
chr16	85858157	85901125	Adamts5	**0.27175**	9600
chr7	26808927	26821197	Cyp2g1	**0.12826**	1036
chr19	24674008	24678260	Tmem252	**0.19632**	908
chr4	127169204	127237022	Dlgap3	**0.16897**	3218
chr13	23761885	23762386	Hist1h3a	**0.13709**	300
chrX	95470199	95478129	Asb12	**0.48593**	2669
chr3	55782510	55785287	Mab21l1	**0.14864**	1800
chr9	18323021	18385928	Naalad2	**0.2155**	2527
chr1	74542889	74565127	Plcd4	**0.14354**	1707
chr7	32325286	32327245	Scgb2b12	**0.35914**	800
chr2	25653118	25656216	Lcn8	**0.22624**	643
chr11	71242430	71285232	Nlrp1c-ps	**0.1284**	1935
chr5	135569937	135573043	Ccl24	**0.16017**	900
chr11	110100822	110168153	Abca9	**0.12733**	3479
chr9	108578826	108597600	P4htm	**0.15209**	1200
chr7	19678084	19681460	Apoc4	**0.26572**	600
chr16	56724609	56795858	Gpr128	**0.14286**	1682
chr14	31217873	31229511	Sema3g	**0.25977**	4174
chr6	124834240	124840275	Gnb3	**0.21076**	1696
chr1	40076212	40085851	Gm16894	**0.12834**	480
chr5	143164779	143165751	Rbakdn	**0.23809**	548
chr2	172979842	172993576	Spo11	**0.18012**	1378
chr8	24584133	24596952	Ido1	**0.26502**	2046
chr16	95359169	95586593	Erg	**0.26309**	3975
chr5	44472133	44799746	Ldb2	**0.24067**	2798
chr19	30564487	31765033	Prkg1	**0.16784**	5398
chr15	74819076	74824436	Hemt1	**0.14541**	509
chr2	52038113	52056681	Tnfaip6	**0.26064**	1819
chr3	114030540	114220326	Col11a1	**0.33554**	10641
chr9	41206155	41217627	1700063D05Rik	**0.20902**	646
chr9	120013755	120023598	Xirp1	**0.27109**	6900
chr14	55769092	55784019	Adcy4	**0.19541**	2892
chr17	25366333	25368092	Tpsb2	**0.67914**	3221
chr3	66973266	66981771	Shox2	**0.36863**	2563
chr9	121898355	121911071	Ackr2	**0.15804**	2075
chr10	94586137	94586199	Mir7211	**0.23304**	64

chr2	85136360	85139923	Aplnr	**0.16735**	2600
chr11	117077348	117077457	Mir6516	**0.33993**	163
chr8	104534700	104550343	Car7	**0.16721**	1570
chr12	75411720	75416781	Gphb5	**0.26948**	1896
chr2	45111138	45114084	Zeb2os	**0.23006**	1056
chr15	102445367	102454639	Amhr2	**0.31541**	2677
chr1	150449412	150466165	Prg4	**0.13103**	2327
chr7	28540885	28542210	Sycn	**0.32948**	800
chr6	77242717	77245517	Lrrtm1	**0.59621**	6552
chr4	40720154	40722841	Gm6297	**0.19467**	1418
chr12	104146907	104153872	Serpina3c	**0.13588**	1001
chr10	79970724	79977119	Grin3b	**0.17268**	2411
chr5	144545887	144557478	Nptx2	**0.38668**	4300
chr7	43745466	43755936	2310002F09Rik	**0.3309**	3684
chr4	89274473	89294619	Cdkn2a	**0.3231**	1600
chr8	72470016	72470089	Mir7068	**0.2263**	73
chr11	72215593	72218450	4930563E22Rik	**0.13003**	1620
chr1	166098148	166127898	Dusp27	**0.21679**	3800
chr12	84052151	84059564	Acot3	**0.19463**	2200
chr17	24804382	24839787	Meiob	**0.13484**	1001
chr5	95956939	95961068	Cxcl13	**1.87017**	9473
chr3	82092427	82145877	Gucy1a3	**0.17252**	3500
chr9	119220491	119231692	Slc22a13b-ps	**0.1419**	900
chr11	3309084	3320722	Gm11944	**0.37873**	1296
chr5	34660379	34755303	Grk4	**0.16292**	3291
chr15	99099484	99104707	Dnajc22	**0.29813**	1900
chr1	177991435	178048291	Gm16432	**0.19078**	1383
chr1	40429570	40465414	Il1rl1	**0.12608**	3900
chr1	170907273	170912941	Fcrlb	**0.16258**	910
chr13	20794113	21024254	Aoah	**0.16161**	2248
chr10	29211643	29230779	9330159F19Rik	**0.14872**	3659
chr18	37421418	37425032	Pcdhb11	**0.14519**	2288
chr17	31677931	31681730	Cryaa	**0.13216**	689
chr5	30647936	30647938	Mir5625	**0.61174**	8
chr9	79815562	79977882	Filip1	**0.1963**	3600
chr4	119422684	119453899	Zmynd12	**0.14724**	966
chr16	92308716	92312466	1700048M11Rik	**0.14296**	301
chr7	17203477	17215756	Psg29	**0.12649**	3000
chr14	69171844	69175540	Nkx2-6	**0.13797**	670
chr4	124731694	124731802	Mir697	**0.17468**	83
chr5	13396784	13603485	Sema3a	**0.17917**	5692
chr6	122270597	122282833	Klrg1	**0.15019**	893
chr6	100704734	100805081	Gxylt2	**0.18845**	1500
chr17	23880876	23882853	Dcpp1	**0.1859**	500
chr9	75565622	75611325	Tmod2	**0.18848**	8428
chrX	104077435	104201117	C77370	**0.14881**	7065
chr10	43002500	43174530	Sobp	**0.13819**	3000

chr7	24970010	24970075	Mir7046	**0.67083**	193
chr7	4237754	4243463	Lilra5	**0.15424**	1418
chr12	105604091	105605428	Bdkrb1	**0.19751**	1152
chr18	6934966	7004779	Mkx	**0.27226**	3799
chr14	34220046	34230421	Syt15	**0.18642**	3400
chr5	130874951	131307522	Wbscr17	**0.16402**	3000
chr13	97560000	97583994	Gm5086	**0.1415**	800
chr10	97644068	97681413	Epyc	**0.21437**	1155
chr5	86231481	86289308	Tmprss11c	**0.19886**	1400
chr11	84957754	84966054	Car4	**0.14117**	800
chr2	156714539	156720909	4930405A21Rik	**0.22041**	956
chr5	87513339	87538195	Sult1b1	**0.20826**	2364
chr17	35080538	35085595	Ly6g6f	**0.17785**	828
chr6	85076141	85077126	Npm3-ps1	**0.25593**	1100
chr12	9574442	9581500	Osr1	**0.12548**	1100
chr12	37108546	37179528	Meox2	**0.18563**	1900
chr7	5124942	5125950	Rasl2-9	**0.13641**	600
chr19	34617051	34640743	2010002M12Rik	**0.18584**	2726
chr3	94433388	94436651	Oaz3	**0.31087**	1286
chrX	47809370	47892552	Smarca1	**0.13012**	2300
chr5	43515569	43616586	C1qtnf7	**0.32539**	2400
chr11	86415844	86520291	Mir467c	**0.13556**	26
chr18	61645878	61665538	Mir143hg	**0.1513**	895
chrX	56136572	56153496	3830403N18Rik	**0.13494**	600
chr9	110722085	110747145	Pth1r	**0.16971**	2013
chr3	151437882	151545081	Eltd1	**0.22907**	4100
chr9	92275602	92297752	Plscr2	**0.15943**	1317
chr14	32856756	32939489	Vstm4	**0.14059**	1681
chr9	79793641	79803235	4930429F24Rik	**0.15153**	1004
chr4	138316132	138316200	Mir7019	**0.12634**	38
chr18	36801763	36802107	Vaultrc5	**0.13299**	200
chr2	155013570	155051012	a	**0.15647**	472
chr4	132219893	132220589	Rps15a-ps4	**0.19748**	600
chr2	170482965	170497138	Cyp24a1	**0.16614**	2327
chr18	77185847	77255450	St8sia5	**0.17453**	1600
chr6	127887622	127953031	Tspan11	**0.34773**	6380
chr15	41865293	41869720	Abra	**0.45894**	3525
chr8	18690263	18741562	Angpt2	**0.17263**	2679
chr11	43774605	43901237	Adra1b	**0.16078**	2500
chr17	25942233	25944931	Nhlrc4	**0.12858**	1200
chr3	27866065	27896368	Tmem212	**0.18653**	583
chr7	113385576	113388573	Pth	**0.12798**	400
chr14	55941451	55944661	Cma1	**0.70356**	3300
chr2	51656966	51732009	Gm13490	**0.14913**	1566
chr6	42286685	42314656	Clcn1	**0.24901**	3848
chr19	11536849	11558466	Ms4a4d	**0.23489**	1499
chr14	21676572	21714576	Dupd1	**0.24958**	1200

chr9	108568319	108568392	Mir191	**0.44331**	143
chr2	34983331	35061441	Hc	**0.14607**	3469
chr16	20733127	20742384	Chrd	**0.16836**	2339
chr12	116077726	116146261	Vipr2	**0.15587**	2300
chr14	59244441	59260216	Gm6904	**0.15404**	603
chr6	55090049	55133016	Crhr2	**0.23681**	3037
chr15	99579056	99584545	Aqp2	**0.15682**	968
chr7	45126347	45126435	Snord35a	**0.84286**	327
chr8	84867947	84868008	Mir7069	**0.51061**	138
chr11	120549975	120551132	Ppp1r27	**0.33389**	1128
chr9	45939521	45939590	Mir7087	**0.56368**	172
chr5	138165737	138165818	Mir106b	**0.21821**	78
chr4	89050307	89084610	Gm12603	**0.2556**	800
chr16	20724454	20734486	Thpo	**0.17152**	1763
chr6	41652770	41680723	Trpv5	**0.12644**	1433
chr2	105224342	105379860	Them7	**0.1292**	900
chr2	25676786	25681607	Lcn6	**0.28136**	991
chr8	4102793	4105764	Cd209f	**0.22754**	1100
chr5	129096750	129204599	Gpr133	**0.19546**	4399
chr8	122848374	122867397	Cdh15	**0.16945**	2100
chr11	100713850	100714575	Hspb9	**0.19338**	612
chrX	153139958	153171943	Rragb	**0.13074**	1300
chr16	87553330	87595336	Map3k7cl	**0.28786**	2073
chr15	3280627	3303526	Ccdc152	**0.24176**	841
chr13	118714699	118792573	Fgf10	**0.14536**	2897
chr11	82719248	82764321	Cct6b	**0.13166**	1075
chr7	31375592	31376916	Scgb1b3	**0.56283**	1028
chr16	36966073	36979136	Fbxo40	**0.32552**	3573
chr14	32029103	32058326	Galnt15	**0.24263**	2476
chr16	78930948	78951728	Chodl	**0.16321**	1800
chr18	60812076	60812151	Mir5107	**0.33807**	112
chr12	81197915	81333180	Slc8a3	**0.17201**	3800
chr12	87442848	87443895	Nrp	**0.20187**	748
chr7	87246649	87398708	Nox4	**0.12965**	2186
chr13	21754123	21754553	Hist1h2bn	**0.13253**	249
chr5	48389503	49285659	Kcnip4	**0.17294**	2144
chr13	23752380	23752840	Hist1h3b	**0.27568**	554
chr3	20215616	20242181	Cpa3	**0.34655**	2195
chr7	142892776	142899966	Th	**0.60739**	4652
chr17	57080066	57087782	Tubb4a	**0.19563**	1900
chr1	160085032	160153575	Tnn	**0.29223**	7400
chr14	8296278	8309776	Fam107a	**0.13134**	1800
chr3	96262934	96263317	Hist2h4	**0.15413**	258
chr8	13235662	13254162	Adprhl1	**0.16806**	1000
chr15	75564745	75567182	Ly6h	**0.13415**	800
chr2	121363738	121380940	Strc	**0.13095**	3280
chr10	75037089	75054100	Rab36	**0.13134**	1500

chr9	48591890	48605077	Nnmt	**0.3126**	1300
chr4	24617273	24851086	Klhl32	**0.1346**	1400
chr17	6601671	6648946	Dynlt1f	**0.30571**	637
chr7	3336585	3366948	Cacng7	**0.1618**	584
chr1	151442393	151442450	Mir7682	**0.2294**	58
chr1	164048234	164057677	Sele	**0.14432**	1832
chr11	99907920	99908890	Krtap31-1	**0.30713**	1300
chr12	52699383	53151015	Akap6	**0.13183**	5898
chr13	23535418	23535909	Hist1h3g	**0.2336**	501
chr14	19751257	19811401	Nid2	**0.1377**	2700
chr5	35389117	35392872	Hmx1	**0.13661**	898
chr8	71384274	71395801	Ushbp1	**0.15442**	2389
chr6	35312746	35326141	Fam180a	**0.24006**	1599
chr11	53720794	53725103	Il5	**0.1645**	1100
chr16	88773181	88774206	2310057N15Rik	**0.3801**	1700
chr4	147611936	147642508	2610305D13Rik	**0.14323**	1599
chr14	56017964	56020391	Mcpt1	**0.1687**	756
chr7	97412957	97417510	Thrsp	**0.26521**	1200
chr14	69164799	69171801	1700092C10Rik	**0.13407**	308
chr11	59946892	59948147	Med9os	**0.1301**	300
chr11	95700106	95712754	Zfp652os	**0.20463**	479
chr14	31016219	31016272	Snord19	**0.67971**	160
chr6	136954523	136963483	Pde6h	**0.20556**	500
chr8	4134736	4137707	Cd209g	**0.148**	700
chr2	66673426	66784910	Scn7a	**0.14703**	4700
chr12	49382883	49386867	Foxg1	**0.16694**	2900
chr6	41847549	41852062	Pip	**0.36158**	900
chr2	164214454	164221663	Wfdc15b	**0.31973**	800
chrX	152368572	152416702	3010001F23Rik	**0.1552**	778
chr8	3655770	3659818	Retn	**0.19708**	500
chr5	17962570	18019668	Gnat3	**0.18309**	937
chr4	135626655	135630198	1700029M20Rik	**0.13162**	1700
chr9	109847377	109849456	Camp	**0.14285**	373
chrX	133908425	133932446	Srpx2	**0.18255**	2326
chr4	134251110	134254106	Grrp1	**0.28067**	1500
chr10	81198170	81202037	Nmrk2	**0.32403**	2599
chr3	126363852	126440374	Arsj	**0.14921**	2400
chr5	122100980	122106854	Myl2	**1.04264**	2877
chr4	106733915	106743356	Fam151a	**0.14473**	400
chr15	103562760	103565081	Glycam1	**0.22734**	662
chr17	30394825	30396180	Gm6402	**0.15226**	900
chr6	113168087	113195384	Lhfpl4	**0.27923**	5800
chr6	142298425	142303819	Iapp	**0.13203**	400
chr3	129199878	129219594	Pitx2	**0.15589**	1900
chr12	103763587	103773633	Serpina1d	**0.1909**	1200
chr3	94478295	94492198	Celf3	**0.14489**	2148
chr9	110951545	110984064	Lrrc2	**0.29493**	4699

chr4	104766317	104804548	C8b	**0.1332**	1300
chrX	73774422	73778924	Srpk3	**0.14363**	1229
chr11	89060751	89067884	Dgkeos	**0.1293**	434
chr15	103751923	103755498	Mucl1	**0.17359**	594
chr2	93421929	93422007	Mir7001	**0.69982**	241
chr2	25288145	25289187	Tmem210	**0.15249**	343
chr18	76993200	77047296	Katnal2	**0.20692**	1509
chr11	97781639	97781766	Snora21	**0.35844**	200
chr17	34487406	34497429	Btnl5-ps	**0.12833**	1450
chr6	130323289	130337626	Klra3	**0.1323**	699
chr4	118630741	118631915	D4Ertd617e	**0.27142**	239
chr1	43730602	43742564	1500015O10Rik	**0.31801**	1231
chr3	19644460	19691599	Trim55	**0.31516**	2455
chr4	45762377	45764223	Gm12409	**0.212**	597
chr4	43727198	43728110	Hrct1	**0.17588**	700
chr7	145205818	145208119	1810010D01Rik	**0.14181**	578
chr11	99936291	99937225	Krtap31-2	**0.24535**	1000
chr2	73271926	73275771	Sp9	**0.17876**	2192
chr3	107595031	107605875	Alx3	**0.19766**	1700
chr2	153065955	153081735	Ccm2l	**0.15606**	1500
chr5	87000860	87013274	Ugt2b35	**0.18186**	2662
chr7	141221384	141221493	Mir210	**0.17935**	86
chr9	98955607	98958126	Foxl2	**0.18279**	2008
chr7	19386643	19386706	Mir343	**0.35486**	99
chr1	193507463	193507530	Mir205	**0.20241**	60
chr10	128584437	128584497	Mir6917	**0.25949**	69
chr7	110046364	110046547	Snora23	**0.31044**	249
chr1	85088139	85109853	A530032D15Rik	**0.24335**	1867
chr11	49050733	49135387	Olfr56	**0.13557**	1075
chr8	80494045	80510785	Gypa	**0.13812**	1100
chr15	75704288	75714419	Rhpn1	**0.12765**	1272
chr15	12171492	12171574	Mir1898	**0.38971**	141
chr11	69882032	69882094	Mir6924	**0.2294**	63
chr3	157544279	157544349	Mir186	**0.15186**	47
chr1	87784571	87784818	Scarna6	**0.185**	200
chr1	159340307	159340357	Scarna3a	**0.32386**	72
chr2	27450549	27450630	Mir7578	**0.21541**	77
chr2	175061549	175067769	Gm14393	**0.14542**	400
chr3	96240335	96245496	Hist2h2aa2	**0.34124**	119
chr3	108554342	108554402	Scarna2	**0.34975**	93
chr4	155946253	155946254	Gm5801	**0.2294**	2
chr5	110666075	110666141	Mir7026	**0.77038**	225
chr5	114719515	114719578	Mir7028	**0.17922**	50
chr6	125097024	125097086	Mir7045	**0.22212**	61
chr7	7298891	7298946	Mir5620	**0.2294**	56
chr7	15938762	15938860	Snord23	**0.22477**	97
chr7	19181465	19181562	Mir330	**0.17088**	73

chr7	140763832	140774977	Cyp2e1	**0.17179**	1300
chr8	105308364	105308448	Mir328	**0.17543**	65
chr10	77641224	77641307	Mir1930	**0.29495**	108
chr10	128458680	128458768	Mir8105	**0.2062**	80
chr11	60202262	60202327	Mir6922	**0.25026**	72
chr11	82176666	82179812	Ccl1	**0.18171**	400
chr12	110278069	110278129	Mir1247	**0.18804**	50
chr12	112920483	112920541	Mir6941	**0.13609**	35
chr13	13182782	13191840	Prl2c5	**0.49417**	1495
chr13	22043230	22043658	Hist1h2bj	**0.16042**	300
chr13	100285676	100317688	Naip7	**0.17515**	184
chr14	115044305	115044389	Mir19b-1	**0.25369**	94
chr15	32241845	32241932	Snord123	**0.27111**	104
chr15	89185465	89185537	Mir6958	**0.2294**	73
chr15	98526348	98526459	Snora2b	**0.14338**	70
chr16	23108953	23109020	Snord2	**0.54989**	163
chr17	35194972	35195049	Mir6973a	**0.23528**	80
chr18	10782909	10782976	Mir133a-1	**0.28001**	83

Chromosome	Start Position	Stop Position	Gene	**3 month Female RPKM Value**	3 month Female **Raw Count**
chr19	47854989	47864788	Gsto1	**20929.99995**	101463848
chr11	100131759	100135949	Krt15	**7743.94718**	55616123
chrX	167207094	167209218	Tmsb4x	**7045.10238**	19709336
chr19	44394450	44407709	Scd1	**1493.13048**	30156694
chr11	120729485	120732021	Cbr2	**4425.61471**	18867277
chr15	101707070	101712891	Krt5	**4112.16225**	37603151
chr9	78478454	78481724	Eef1a1	**2734.46477**	20426434
chr11	100203162	100207510	Krt14	**2248.02498**	15581853
chr11	100117596	100121495	Krt13	**3841.63735**	21077622
chr2	85484092	85518935	4833423E24Rik	**1070.32877**	7530555
chr1	120113280	120121096	Dbi	**1170.27091**	3640429
chr7	126623246	126625470	Nupr1	**1013.53648**	2649254
chrX	100402222	100442717	Awat2	**957.97076**	8500042
chr3	92483954	92485881	Sprr1a	**1402.92731**	4627774
chr6	86628174	86629704	Asprv1	**2668.44582**	17058603
chr9	61913283	61914510	Rplp1	**2445.51534**	4778880
chr13	3802893	3804318	Calml3	**2654.66024**	15806596
chr7	18884690	18890438	Pglyrp1	**2841.25762**	8079186
chr19	44333326	44346743	Scd4	**856.58878**	10987616
chr15	101918535	101924735	Krt4	**2390.35093**	21289350
chr16	36359382	36367570	BC100530	**2917.02937**	5371422
chr9	83778692	83806305	Elovl4	**791.09519**	10088060
chr3	90612894	90614414	S100a6	**2561.25409**	7689382
chr6	135362931	135383173	Emp1	**2745.7824**	34922546
chr4	118428093	118432900	Elovl1	**690.54953**	5443857
chr9	69453683	69491785	Anxa2	**2222.61924**	12751512
chr7	28864386	28866284	Lgals7	**1099.23634**	2740156
chr4	106561038	106589113	Dhcr24	**631.05222**	10613647
chr9	78191966	78209349	Gsta4	**2294.09315**	9176698
chr5	36204021	36206567	Psapl1	**769.04334**	8178801
chr6	115805556	115808743	Rpl32	**1612.66324**	3110968
chr15	101929332	101940324	Krt79	**666.0791**	5832223
chr10	18845071	18857072	Perp	**1171.93858**	9297546
chr19	20373434	20390671	Anxa1	**1534.31908**	8937165
chr11	100256217	100260989	Krt17	**870.80444**	5494080
chr10	78425670	78427622	Cstb	**798.80642**	2007927
chr7	142375916	142387870	Ctsd	**816.34186**	6660495
chr5	115559467	115563729	Rplp0	**1379.79845**	7835459
chr11	61208742	61218416	Aldh3a1	**1649.5639**	10986003
chr15	101733949	101743097	Krt71	**773.27093**	7019418
chr18	60774596	60778546	Rps14	**1554.7199**	3875577
chr15	101689928	101694305	Krt6a	**1360.99672**	12831898
chr9	64173387	64178562	Rpl4	**1096.11171**	6508251
chr7	45125563	45128745	Rpl13a	**1175.27353**	5034962
chr7	19696244	19699166	Apoe	**862.26113**	4504079

chr10	80292431	80294114	Rps15	**1235.41878**	2692741
chr15	76904071	76906318	Rpl8	**1041.42966**	3748410
chr19	5344705	5349574	Cst6	**658.85259**	10869390
chr7	140967429	140969827	Ifitm1	**1578.14982**	5535252
chr5	142903116	142906724	Actb	**1027.14802**	8101676
chr8	64718145	64733578	Msmo1	**420.7573**	3204545
chr11	48800360	48806241	Gnb2l1	**1049.81847**	5496948
chr7	27119955	27133660	Cyp2f2	**1226.1002**	9317668
chr4	41092724	41098183	Aqp3	**1154.98332**	8502329
chr7	3704041	3706897	Rps9	**1059.54927**	3110186
chr15	101676023	101680289	Krt6b	**1407.25285**	13144619
chr10	81176631	81182509	Eef2	**914.79676**	11841213
chr7	12922311	12926686	Rps5	**1023.16889**	3161469
chr4	86656565	86670059	Plin2	**377.69499**	2975932
chr11	99315844	99322941	Krt25	**549.76922**	3789984
chr3	138277645	138290691	Adh1	**970.00003**	5403031
chr13	64363214	64370306	Ctsl	**491.96562**	4048846
chr9	110281287	110281409	Mir6236	**539.04865**	276849
chr19	6906819	6909645	Prdx5	**835.34638**	2399744
chr4	4056666	4077514	Sdr16c6	**290.16974**	1429697
chr16	89487374	89487952	Krtap8-1	**720.67669**	1742324
chr8	19225478	19228209	Defb6	**486.53256**	656182
chrX	100572247	100578206	Awat1	**284.46561**	1656967
chr14	73362232	73385271	Itm2b	**758.57921**	5612735
chr1	16101296	16104433	Rpl7	**755.33388**	2942595
chr7	45122388	45124389	Rps11	**740.21773**	1860655
chr6	138140537	138156752	Mgst1	**329.64571**	1297983
chrX	102184943	102188371	Rps4x	**732.55312**	2679496
chr2	122147687	122153082	B2m	**824.22928**	2952876
chr3	93555117	93564645	S100a10	**1218.76344**	3307826
chr2	180257379	180258444	Rps21	**852.18122**	1391293
chr3	59925214	59937949	C130079G13Rik	**286.27693**	3333840
chr3	90526849	90528835	S100a14	**726.29026**	3320735
chr17	45567778	45573261	Hsp90ab1	**581.62466**	6088454
chr7	141447650	141451342	Rplp2	**730.18897**	1344571
chr10	128548110	128549168	Rpl41	**821.57428**	1540292
chr11	99385256	99389364	Krt10	**732.37728**	6397443
chr3	93520496	93526288	S100a11	**869.54615**	1829924
chr18	67343564	67367794	Cidea	**304.24968**	1478744
chr17	33951999	33955641	Rps18	**733.47519**	1604821
chr7	30787905	30791083	Krtdap	**479.44047**	912871
chr15	74762056	74763567	Ly6d	**368.11404**	1062112
chr8	64592551	64693040	Cpe	**366.24748**	3202294
chr11	99345566	99351094	Krt27	**539.98612**	3470013
chr9	50494525	50505639	Plet1	**776.47483**	5138857
chr3	92500263	92500493	Sprr4	**420.58234**	405670
chr2	164562716	164568506	Wfdc2	**849.96213**	2512712

chr10	128083307	128090388	Atp5b	**563.38497**	4420200
chr6	11900373	11907446	Ndufa4	**735.17906**	1510317
chr3	10012585	10016610	Fabp5	**309.56602**	1231845
chr14	63122462	63145149	Ctsb	**347.3964**	5757266
chr13	3837757	3838671	Calm4	**495.38229**	1892655
chr2	127633226	127656695	Mal	**971.48256**	11268786
chr7	99477897	99483709	Rps3	**653.64246**	5125612
chr15	101845426	101850786	Krt1	**490.07508**	5007333
chr7	99153663	99182713	Dgat2	**251.90453**	2367671
chr1	107045587	107052303	Serpinb3a	**660.43834**	4492243
chr6	125460266	125494755	Cd9	**419.22988**	2086596
chr16	89507703	89508323	Krtap7-1	**504.57814**	1308368
chrX	36598225	36606079	Pgrmc1	**289.47969**	2221639
chr7	119442544	119459272	Gp2	**614.40408**	5074465
chr14	34085979	34100568	Anxa8	**480.15294**	3767179
chr7	126795234	126800447	Aldoa	**393.55072**	2872447
chr6	148047416	148182760	Far2	**172.56542**	1844606
chr4	133600556	133602168	Sfn	**564.39834**	3801281
chr10	43579169	43584265	Cd24a	**645.07367**	4891421
chr10	128624529	128626506	Rps26	**528.35889**	988364
chr3	92122204	92123947	Prr9	**444.10167**	2193699
chr19	46131899	46135685	Elovl3	**176.62422**	1379119
chr9	43310763	43336125	Trim29	**451.60854**	5336524
chrX	36795652	36798806	Slc25a5	**409.61076**	2117395
chr3	90541223	90543151	S100a16	**455.14199**	2016379
chr16	56805161	56886163	Tmem45a	**220.21519**	2480842
chr19	9980600	9985111	Fth1	**652.63576**	4117610
chr3	93442330	93449077	Tchh	**318.47456**	7743395
chr17	33996012	34000333	H2-K1	**564.84261**	3882104
chr7	26835339	26843264	Cyp2a5	**687.52454**	4923367
chr15	74955051	74959905	Ly6e	**606.86253**	5830648
chr11	100140811	100145919	Krt19	**671.97901**	3855248
chr3	86137940	86142668	Rps3a1	**479.71749**	1888892
chr2	73908447	73911326	Atp5g3	**363.67943**	1099429
chr11	120560304	120572936	P4hb	**339.33635**	3596101
chr7	29256330	29281977	Spint2	**471.08094**	2871827
chr18	84851414	84879863	Cyb5a	**317.795**	993891
chr8	84842088	84846931	Calr	**364.78168**	2959482
chr12	8921307	8938741	Laptm4a	**568.37713**	5052684
chr4	3834473	3835600	Rps20	**476.84047**	999509
chr2	94032697	94157909	Hsd17b12	**213.10251**	1636365
chr18	77773768	77782868	Atp5a1	**338.5345**	3436353
chr14	47373860	47386167	Lgals3	**502.21199**	2948372
chr3	87948693	87953372	Crabp2	**240.98248**	905603
chr12	8771396	8793687	Sdc1	**359.77447**	4590855
chr15	101412403	101427806	Krt7	**722.46298**	4784413
chr3	101576219	101604707	Atp1a1	**470.52829**	7273309

chr10	128490861	128493825	Myl6	**460.51643**	1180656
chr3	93014205	93015686	Crct1	**336.47622**	1007357
chr3	67478886	67515523	Rarres1	**161.35108**	950624
chr15	74994877	74998031	Ly6a	**684.44235**	2863614
chr7	46845804	46855627	Ldha	**337.01295**	2715900
chr15	99392947	99410049	Tmbim6	**358.21521**	4192538
chr6	67534059	67535822	Tacstd2	**447.21591**	3294016
chr19	10870661	10881743	Tmem109	**179.6421**	1446939
chr4	115088708	115093894	Pdzk1ip1	**523.21322**	2466508
chr17	35067325	35070048	Ly6g6c	**215.01173**	861873
chr8	120668225	120674209	Cox4i1	**356.0872**	1135951
chrX	37082520	37085184	Rpl39	**468.78214**	771218
chr11	70651847	70654650	Pfn1	**349.03465**	1267937
chr9	44407714	44410406	Rps25	**388.71356**	783947
chr17	32452723	32493320	Cyp4f39	**130.11405**	1422341
chr14	24490681	24496146	Rps24	**444.45792**	1623860
chr7	141392160	141402976	Taldo1	**391.18948**	2084240
chr15	74714839	74717065	Psca	**679.24548**	2427786
chr5	115345654	115348955	Cox6a1	**314.81361**	700633
chr2	34772090	34776529	Hspa5	**272.14328**	2972660
chr2	143915331	143943324	Dstn	**356.60638**	2829128
chr19	7215158	7217616	Cox8a	**341.59487**	777352
chr7	43781054	43785410	Klk10	**296.77296**	1677849
chr7	30616974	30626151	Cox6b1	**335.57597**	707607
chr19	44203288	44244016	Scd3	**132.77623**	1923799
chr19	34592888	34601968	Gm14446	**653.91689**	6484792
chr7	30186942	30195048	Capns1	**441.48501**	2636100
chr7	30751471	30756134	Sbsn	**300.04654**	917085
chr2	174461075	174464101	Atp5e	**378.27973**	653918
chr2	148871732	148875468	Cst3	**294.63136**	912836
chr9	96332675	96364299	Atp1b3	**334.16913**	2554845
chr4	116636510	116651674	Akr1a1	**365.46506**	2157770
chr7	28893586	28962280	Actn4	**424.27328**	6163253
chr14	75845256	75848303	Tpt1	**333.01026**	1243097
chr13	119690351	119708260	Hmgcs1	**169.57499**	2532740
chr4	3995942	4019663	Sdr16c5	**139.45005**	802958
chr19	34100943	34122548	Lipm	**176.47757**	1887898
chr1	63176831	63180486	Eef1b2	**355.84065**	2872085
chr10	60277628	60302600	Psap	**253.92602**	2897722
chr7	31071162	31076697	Fxyd3	**396.83823**	497101
chr4	116685599	116700000	Prdx1	**282.08886**	1650190
chr7	100493358	100499629	Ucp2	**280.42252**	1845351
chr11	116021961	116024504	H3f3b	**320.44913**	2666713
chr17	35263094	35267497	H2-D1	**440.96329**	1231795
chr15	36595658	36608973	Pabpc1	**316.86552**	3731075
chr6	124810615	124814296	Tpi1	**279.52666**	1841790
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chr5	108433253	108434378	Atp5k	**288.90385**	352246
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chr5	77086986	77115123	Hopx	**434.62302**	2508018
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chrX	73686183	73716175	Bcap31	**181.22366**	918636
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chr4	57943373	57956411	Txn1	**204.61393**	897941
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chr19	3972328	3981665	Aldh3b2	**160.02876**	1443985
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chr11	75732887	75765841	Ywhae	**211.29939**	1833385
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chr17	70973963	70990516	Myl12b	**269.3193**	1055949
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chr12	111961376	111966977	2010107E04Rik	**177.56228**	270616
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chr11	53428948	53430831	Uqcrq	**175.74885**	366187
chr5	135689214	135735325	Por	**209.96524**	2154083
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chr17	15475721	15498276	Psmb1	**172.88027**	747851
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chr9	57521232	57532426	Cox5a	**174.56024**	504384
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chr18	20030798	20059505	Dsc2	**226.66624**	4179514
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chr9	120571517	120574653	Rpl14	**205.66532**	802939
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chr13	66900621	66905350	Uqcrb	**160.28933**	336653
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chr13	98309897	98317006	Btf3	**182.13722**	858623
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chr11	70238123	70239852	Rnasek	**117.48791**	305136
chr11	99597348	99598106	Krtap9-3	**164.97021**	522826
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chr14	30549131	30574726	Tkt	**158.44993**	2136338
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chr2	32384637	32387739	Lcn2	**78.83735**	280796
chr17	70993793	71002533	Myl12a	**166.62349**	1237719
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chr3	87906321	87916132	Hdgf	**164.814**	1544971
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chr7	25461702	25477625	Ceacam1	**199.01943**	3104647

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chr16	89419323	89420111	Krtap6-2	**158.6396**	522635
chr4	127351086	127354081	Gjb4	**86.80482**	523747
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chr7	120635189	120659295	Uqcrc2	**127.58034**	881108
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chr2	127704390	127729897	Mall	**203.97529**	1675297
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chr15	101485130	101491512	5430421N21Rik	**125.06171**	493476
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chr11	99550132	99550863	Krtap3-3	**130.19373**	397934
chr3	131233420	131272101	Hadh	**88.45233**	660369
chr5	100553733	100572205	Plac8	**313.60415**	911383
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chr16	89031699	89032292	Krtap6-1	**181.24145**	449525
chr18	60803849	60812652	Cd74	**153.11923**	897010
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chrX	12587759	12617051	Atp6ap2	**168.86235**	1669646
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chr2	158116405	158146392	Tgm2	**116.64647**	1728572
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chr6	17637098	17666536	Capza2	**110.33613**	914970
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chr10	117277541	117282272	Lyz2	**57.07647**	251908

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chr4	46451117	46472523	Anp32b	**85.40456**	487483
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chr7	101905837	101911903	Lamtor1	**78.63217**	389399
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chr13	41016250	41022582	Tmem14c	**81.54007**	324129
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chr13	74322255	74350240	Sdha	**65.35228**	780162

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chr6	126821863	126849144	Ndufa9	**60.10838**	331800
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chr8	34154563	34170847	Saraf	**62.63125**	496622
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chr18	75005900	75009933	BC031181	**69.78604**	305088
chr5	30118381	30154980	Hadha	**56.33289**	883952
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chr12	85599105	85639878	Jdp2	**131.41998**	1032191
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chr12	111538101	111546753	Eif5	**60.94546**	1009262
chr15	79141367	79151767	Polr2f	**82.42699**	178971
chr15	77958998	77970824	Eif3d	**61.63872**	491583
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chr8	23241326	23257080	Golga7	**67.15471**	509777
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chr19	4125960	4132307	Tmem134	**73.56747**	465995
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chr11	99665043	99665960	Krtap4-6	**52.7917**	202357
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chr6	87042846	87092207	Gfpt1	**82.09074**	2141633
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chr13	54551291	54565382	4833439L19Rik	**50.67082**	550311
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chr19	7494040	7538609	Atl3	**39.19485**	1096349
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chr10	115817284	115849893	Tspan8	**104.4327**	601763
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chr4	137862237	137965229	Ece1	**64.72183**	1301509
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chr9	88327609	88372089	Nt5e	**84.91058**	1269272
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chr9	36732413	36767578	Stt3a	**48.67725**	548172
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chr6	71272019	71285319	Krcc1	**58.64529**	428285
chr3	138313286	138331134	Adh6a	**134.50654**	753151
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chr10	95547007	95564167	Nudt4	**75.78094**	1022367
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chr4	155803618	155808829	Mrpl20	**48.37152**	134314
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chr14	99298691	99313409	Klf5	**68.88414**	496156
chr19	41210842	41264004	Tm9sf3	**55.71912**	1429438
chr15	78399556	78405859	Tst	**50.94242**	233131
chr4	154157485	154160684	Tprgl	**63.66102**	463054
chr8	128685654	128733579	Itgb1	**57.50252**	1006990
chr12	85815455	85824545	0610007P14Rik	**39.53752**	195631
chr18	46585928	46597535	Tmed7	**53.57533**	772228
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chr10	75935573	75937722	Chchd10	**48.14905**	188180
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chr8	85017931	85025278	Asna1	**46.74977**	244591

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chr7	118104376	118116147	Rps15a	**64.01061**	1372201
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chr11	78536436	78541473	Ift20	**51.99325**	174113
chr4	59471868	59549364	Ptbp3	**59.98214**	1725393
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chr7	142498836	142516009	Tnnt3	**48.45441**	226803
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chr3	89202925	89208966	Gba	**49.29562**	468891
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chr13	73604002	73620639	Clptm1l	**43.4096**	431030
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chr5	24802823	24842361	Rheb	**47.87815**	304072
chr8	25998722	26015601	Fnta	**41.51721**	326082
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chr9	21320719	21355028	Slc44a2	**53.0585**	795795
chr11	3249922	3266386	Drg1	**44.02951**	280181
chr17	35076942	35078804	Ly6g6e	**63.91432**	303437
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chr7	19701313	19715429	Tomm40	**29.56911**	193595
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chr10	57515775	57532529	Serinc1	**36.31092**	436353
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chr3	79603788	79628767	Etfdh	**31.77457**	302632
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chr12	102394098	102439697	Lgmn	**47.31695**	370251
chr6	55038001	55079504	Gars	**39.08501**	390048
chr4	135968225	135972594	Lypla2	**45.64471**	303610
chr18	10617796	10628230	Snrpd1	**44.06901**	154017
chr12	84373876	84409029	Entpd5	**22.9382**	486173
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chr11	53259814	53300479	Hspa4	**36.92195**	715340
chr16	38346999	38352763	Cox17	**50.76781**	92424
chr6	72432799	72437448	Mat2a	**46.97583**	508220
chr15	34238026	34284295	Laptm4b	**50.51731**	400145
chr2	18672462	18676216	Commd3	**45.42129**	167088
chr6	4076904	4086927	Bet1	**29.96356**	183416
chr9	73044810	73097614	Rab27a	**61.99809**	890785

chr8	84661331	84662852	Ier2	**53.45365**	339705
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chr11	116676705	116694660	St6galnac2	**63.94942**	542855
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chr5	145140397	145146609	Bud31	**51.0601**	99139
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chr5	130245732	130255462	Sbds	**56.06789**	346252
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chr13	30660059	30711232	Dusp22	**43.61158**	200675
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chr6	124815019	124829447	Usp5	**29.07069**	385519
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chr10	96617001	96622811	Btg1	**29.02099**	606857
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chr12	17544873	17551502	Odc1	**30.63789**	325835
chr5	123577794	123684361	Clip1	**33.00174**	809846
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chr1	128244181	128279377	Ubxn4	**22.86199**	390720

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chr19	5041404	5049917	Brms1	**32.01776**	178878
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chr4	40804582	40854537	B4galt1	**25.43173**	481574
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chr10	80264991	80288413	Dazap1	**20.25386**	176329
chr13	59585333	59634781	Naa35	**24.23931**	264567
chr19	46501648	46516455	Trim8	**27.80082**	376224

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chr18	84088158	84097514	Zadh2	**21.74418**	301524
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chr7	28558819	28598184	Pak4	**30.11106**	364363
chr4	126316351	126321703	Adprhl2	**24.12964**	137831
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chr7	65296165	65371244	Tjp1	**30.83586**	915967
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chr11	5703983	5707699	Mrps24	**23.79766**	100063
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chr16	32084416	32099727	Pigx	**21.86945**	90403
chr1	84721189	84839304	Trip12	**22.77534**	915991
chr19	41981763	42034641	Ubtd1	**28.80924**	183688
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chr17	84183928	84187947	Zfp36l2	**22.95316**	338607
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chr5	139252324	139270050	Get4	**19.75258**	182357
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chr6	142345697	142360996	Pyroxd1	**27.47203**	132031
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chr11	120467635	120483984	Hgs	**21.54979**	261666
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chr12	54858819	54862877	Cfl2	**21.93344**	269072
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chr15	10446763	10470516	Dnajc21	**25.41573**	217872
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chr9	72985504	73016341	Ccpg1	**21.83605**	321398
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chr16	33829665	33949338	Itgb5	**21.4963**	291983
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chr7	141101219	141117806	Ano9	**17.00859**	213911
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chr14	79481269	79582491	Elf1	**24.68513**	438473
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chr5	91948842	91962881	Rchy1	**21.58532**	204865
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chr8	26977336	26981462	Zfp703	**22.97234**	317020
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chr6	87009836	87028461	Nfu1	**23.3396**	92777
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chr10	31313405	31328086	Hddc2	**20.03957**	60079
chr15	98645507	98662889	Ddx23	**21.13023**	248278
chr15	85832304	85858822	Ttc38	**12.84577**	201195
chr11	6105692	6200451	Nudcd3	**21.45335**	354911
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chr4	88718292	88722508	Klhl9	**22.7618**	400793
chr2	131234063	131248024	Mavs	**26.39276**	326312
chr11	43420248	43426248	Pttg1	**24.24398**	74911
chr4	155624869	155649932	Cdk11b	**21.98262**	237641
chr11	67237812	67260447	Myh4	**14.24881**	359178

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chr16	22857845	22879634	Dnajb11	**19.38173**	231456
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chr13	97129523	97137926	Nsa2	**21.86881**	236502
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chr8	70331589	70353273	Upf1	**17.4217**	330915
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chr17	23803187	23824739	Srrm2	**15.46088**	554933
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chr16	22009484	22049269	Senp2	**15.72153**	295339
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chr10	75774122	75781414	Gstt3	**19.00652**	148645
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chr15	59648654	59657099	Trib1	**20.07178**	337419
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chr11	78037941	78060432	Flot2	**19.90462**	233711
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chr4	138338528	138367955	Cda	**26.22269**	88580
chr8	85083269	85098739	Man2b1	**16.31665**	294664
chr18	69979131	70141590	Rab27b	**20.54925**	610922
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chr19	55298296	55316032	Zdhhc6	**13.85964**	132467
chr11	60537683	60558512	Alkbh5	**17.73533**	446176
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chr17	47611596	47624418	Med20	**15.27287**	130095
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chr8	19194328	19195309	Defb14	**15.24182**	21002
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chr3	18071950	18243338	Cyp7b1	**10.51286**	95080
chr3	32727497	32736755	Mrpl47	**8.77522**	31951
chr12	69311543	69357176	Nemf	**9.80345**	152358
chr19	3708333	3717881	1810055G02Rik	**5.76052**	45268
chr9	44799400	44802951	Ttc36	**17.46627**	55719
chr18	53862113	53955684	Csnk1g3	**10.18929**	186945
chr18	35829818	35861688	Cxxc5	**9.81968**	93157
chr2	5951469	6056703	Upf2	**9.61826**	207794
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chr16	18620319	18621810	Gp1bb	**5.52874**	28949
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chr5	138603652	138619743	Zfp68	**10.72091**	211516
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chr18	84947294	84951524	Timm21	**9.12745**	50117
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chr8	4238740	4247897	Map2k7	**8.49514**	67396
chr15	63929094	64060448	Fam49b	**10.32807**	163875
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chr10	75212073	75312400	Specc1l	**9.32179**	250588
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chr13	104023439	104109614	Nln	**8.67422**	136909
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chr9	13827727	13846522	Fam76b	**10.9116**	167302
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chr16	95257558	95300258	Kcnj15	**11.45519**	261398
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chr5	117379145	117389023	Rfc5	**9.67117**	69861
chr9	99309967	99358530	Esyt3	**14.25153**	267248
chr10	76263049	76345291	Dip2a	**9.15871**	243030
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chr13	54789405	54796775	Tspan17	**10.06695**	65406
chr5	129501231	129571384	Sfswap	**8.79477**	121295
chr19	4800566	4804015	Rbm14	**7.99866**	90343
chr8	95332284	95347513	Usb1	**11.61493**	85551
chr9	4294793	4309494	Aasdhppt	**8.4785**	101604

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chr11	72211724	72215137	Med31	**10.31883**	30419
chr19	34240336	34255373	Acta2	**4.86218**	52217
chr2	164786021	164792767	Snx21	**8.21139**	52013
chr13	93771679	93943016	Arsb	**7.91373**	131812
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chr8	122483093	122551329	Piezo1	**8.54096**	257700
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chr4	130165600	130175122	Tinagl1	**13.25241**	120355
chr14	20707552	20723619	Zswim8	**9.15807**	228329
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chr4	135856071	135869899	Srsf10	**8.01934**	184535
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chr12	79029163	79080669	Plekhh1	**9.71717**	221251
chr4	124918465	124936917	Cdca8	**8.2006**	55677
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chr9	121719181	121756639	Nktr	**8.82733**	251118
chr12	110737949	110795028	Wdr20	**9.50259**	96299
chr14	65052059	65098106	Extl3	**8.72029**	217669
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chr17	27714447	27728951	Spdef	**10.17826**	77519
chr17	84705247	84790786	Lrpprc	**6.78008**	130822
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chr9	26974139	26999549	Acad8	**12.47371**	149169
chr3	144910921	144932529	AI747448	**4.89523**	61259
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chr17	35512735	35516824	Tcf19	**9.93602**	69036
chr7	19083849	19093820	Dmpk	**7.67261**	92427
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chr16	89205861	89206394	Krtap20-2	**15.33104**	34184
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chr18	34758906	34773760	Fam53c	**9.29982**	173771
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chr12	40315046	40445790	Zfp277	**8.89827**	91178
chr11	75531694	75577572	Slc43a2	**6.80819**	205589
chr8	46033261	46124146	Snx25	**5.75959**	73759
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chr3	58674949	58692388	Siah2	**7.34136**	76267
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chr7	34236714	34285609	4931406P16Rik	**9.38417**	227579
chr3	88910130	88913950	Msto1	**7.90291**	50488
chr16	44485045	44558870	Boc	**9.16758**	169501
chr5	142401497	142462015	Foxk1	**8.14313**	253177
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chr15	80948490	80970947	Adsl	**7.38307**	114434
chr12	112678840	112682747	Zbtb42	**10.6759**	155040
chr16	18248883	18253964	Trmt2a	**7.26652**	87262
chr2	121439027	121442601	Ell3	**9.48409**	66292
chr7	16401196	16437696	Zc3h4	**7.77332**	196401
chr5	137350109	137374522	Ephb4	**8.95702**	163102
chr19	10199132	10203943	Fen1	**7.03008**	65225
chr9	21288464	21291209	Cdkn2d	**8.90022**	47197
chr19	21778340	21858360	Tmem2	**12.16182**	340340
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chr7	127342795	127345314	Zfp768	**8.62031**	80879
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chr3	51252720	51340644	Elf2	**9.08797**	223887
chr14	103113411	103346800	Mycbp2	**9.83948**	625846
chr13	3634032	3651779	Asb13	**11.48168**	115540
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chr9	56917200	56928371	Snx33	**8.9103**	169804
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chr1	33908225	34308662	Dst	**11.23248**	1407088
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chr7	28881656	28893253	Capn12	**5.21604**	54362
chr7	121986722	122021198	Gga2	**7.02688**	143506
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chr15	83526862	83544635	Bik	**9.32214**	36706
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chr18	73770040	73815392	Me2	**9.16009**	93899
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chr11	86265715	86357525	Med13	**8.23774**	405435
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chr9	110532597	110618633	Setd2	**8.38418**	292319

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chr5	124345439	124354628	Cdk2ap1	**7.18206**	37486
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chr19	34492316	34527474	Lipa	**8.39437**	104136
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chr19	24919916	24961616	Cbwd1	**6.83855**	57423
chr3	62468642	62506988	Dhx36	**7.22595**	150106
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chr14	77036772	77112204	Ccdc122	**7.29426**	52417
chr17	24073680	24150922	Pdpk1	**7.0137**	54003
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chr12	69583761	69681852	Sos2	**8.80712**	206377
chr2	58446438	58566828	Acvr1	**6.56278**	90375
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chr2	144369035	144407675	Csrp2bp	**8.58518**	110518
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chr5	140607341	140615545	Lfng	**9.57159**	91283
chr4	151989631	151996179	Phf13	**8.39269**	109617
chr15	97792693	97844502	Hdac7	**9.30739**	191634
chr13	77708690	78166240	Fam172a	**7.70109**	130875
chr11	103365092	103412664	Plekhm1	**8.86964**	189917
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chr12	55280814	55302636	Ppp2r3c	**7.72588**	69358
chr19	18713236	18718428	D030056L22Rik	**9.76027**	66470
chr13	106960585	107022114	Kif2a	**7.48041**	131435
chr14	20548912	20618354	Usp54	**7.99496**	209412
chr5	137650854	137684617	Agfg2	**11.03031**	138494
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chr19	3896050	3907133	Tcirg1	**7.56007**	104298
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chr1	30802342	30863256	Phf3	**7.39725**	233539
chr3	52268337	52350109	Foxo1	**7.58975**	175949
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chr14	55603985	55610030	Irf9	**14.99887**	168344
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chr6	125067920	125082472	Lpar5	**9.84271**	62264
chr4	116221914	116303056	Pik3r3	**11.49263**	240130
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chr19	45818144	45998488	9130011E15Rik	**6.686**	80849
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chr11	58978093	58991462	Trim11	**8.04082**	78128
chr15	79053094	79062859	Ankrd54	**8.0829**	63383
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chr9	44043384	44048579	Thy1	**7.47835**	54177
chr14	32201971	32297549	Parg	**7.78326**	142671
chr6	125168007	125191586	Ncapd2	**7.40843**	139636
chr12	86082561	86162459	Ift43	**7.69896**	26007
chr11	83942090	83963086	Ddx52	**7.52044**	99355
chr14	56887795	56962579	Zmym2	**8.22923**	236268
chr5	145167213	145182041	Cpsf4	**7.86065**	56323
chr6	50110241	50198598	Mpp6	**7.64821**	70960
chr2	29889720	29931746	Odf2	**7.72952**	142041
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chr15	97675105	97705822	Rpap3	**5.84635**	55170
chr2	119172500	119208719	Dnajc17	**8.47497**	32981
chr7	135689788	135716379	Mki67	**6.46263**	271872

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chr4	132355925	132422446	Phactr4	**11.33032**	216159
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chr2	156094882	156098372	Rbm12	**7.39618**	107812
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chr5	93041123	93045022	Sowahb	**11.93239**	194313
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chr10	89744991	89819869	Uhrf1bp1l	**8.96819**	241382
chr15	89351004	89355659	Lmf2	**8.56153**	103886
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chrX	56731761	56793346	Fhl1	**8.58822**	106218
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chr17	34020792	34024680	Ring1	**8.14153**	69146
chr6	146602276	146634592	Tm7sf3	**8.18277**	113162
chr9	110084319	110117616	Dhx30	**7.40731**	139182
chr2	122738505	122749487	Bloc1s6	**7.91302**	115445
chr4	89137370	89181090	Mtap	**7.57198**	80876
chr11	49203500	49218816	Zfp62	**7.06229**	118751
chr2	130906496	131030326	Atrn	**6.4657**	235878
chr18	58556240	58612869	Slc27a6	**5.84625**	63420
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chr19	5107746	5118408	Klc2	**7.69262**	96908
chr10	118859349	118868903	Dyrk2	**7.64591**	68225
chr5	24100590	24161231	Klhl7	**7.17601**	102685
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chrX	37091834	37110322	Upf3b	**7.80832**	71337
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chr10	128015215	128030030	Prim1	**7.72684**	49460
chr1	170199256	170215393	Uhmk1	**8.63566**	72982

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chr18	56525736	56572870	Aldh7a1	**7.69611**	94124
chr2	59852365	59882606	Wdsub1	**8.62962**	78372
chr7	18890884	18910404	Ccdc61	**7.69292**	64565
chr9	99575799	99584343	Dbr1	**7.87714**	69170
chr10	127056050	127060184	March9	**6.80237**	56750
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chr7	3620324	3629929	Tfpt	**8.14744**	39667
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chr8	120653914	120668112	Emc8	**6.8468**	141029
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chr19	30030513	30093724	Uhrf2	**8.90383**	131536
chr13	17715962	17805097	Cdk13	**7.68348**	227176
chr7	45092993	45103822	Fcgrt	**6.3592**	46149
chr14	55765962	55768492	Ltb4r1	**7.47172**	43428
chr6	88465423	88497566	Ruvbl1	**7.59818**	52507
chr2	128610083	128687395	Anapc1	**7.39331**	276819
chr15	6813577	6874313	Osmr	**9.10731**	183864
chr7	126428767	126445859	Rabep2	**9.35824**	97337
chr19	43733854	43753000	Cox15	**7.12444**	124883
chr3	108195771	108200834	Cyb561d1	**7.86453**	137626
chr11	120369562	120378746	2310003H01Rik	**9.75074**	129268
chr12	81470704	81485110	Cox16	**7.61984**	63538
chr19	47501048	47537020	Obfc1	**8.06365**	59057
chr7	38220654	38227994	Plekhf1	**6.89748**	44900
chr18	10725625	10812217	Mib1	**6.28689**	99570
chr9	7818226	7835255	Birc2	**8.81893**	115626
chr5	114100333	114122924	Usp30	**6.6825**	77849
chr11	78181687	78181756	Snord4a	**7.28396**	2129
chr8	88199213	88259722	Papd5	**8.94131**	172635
chr3	83898287	84040161	D930015E06Rik	**8.65043**	177313
chr9	57072040	57128368	Sin3a	**8.29098**	181508
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chr11	29545842	29547949	Rps27a	**7.56137**	23048
chr6	72347317	72353160	0610030E20Rik	**6.81693**	131903
chr10	95515162	95545658	Ube2n	**8.74197**	140570

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chr5	30951667	30960327	Preb	**7.82951**	143617
chr5	34525784	34563639	Sh3bp2	**9.25744**	130807
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chr11	78357577	78386608	Foxn1	**6.27459**	85437
chr2	102449366	102451792	Fjx1	**10.435**	105748
chr16	92601466	92826074	Runx1	**8.59034**	264642
chr4	126150602	126163341	Sh3d21	**4.75496**	46221
chr18	64528979	64661000	Atp8b1	**9.52656**	256172
chr9	35184391	35200291	Tirap	**11.14408**	226519
chr7	127769815	127775150	Orai3	**9.85047**	82097
chrX	41794994	41911901	Thoc2	**7.9841**	254000
chr7	126699774	126704816	Coro1a	**7.86775**	62780
chr2	10080612	10092701	Kin	**7.48328**	43089
chr2	25996958	26021760	Ubac1	**7.47665**	107705
chr7	16494473	16614993	Arhgap35	**8.39379**	294161
chr16	16870891	16892986	Top3b	**8.60842**	106360
chr18	46239949	46280850	Pggt1b	**6.92197**	79078
chr3	92763215	92765065	Lce1h	**6.70271**	19759
chr10	8722219	8886070	Sash1	**8.2456**	247308
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chr9	124291804	124312694	2010315B03Rik	**9.12029**	105068
chr9	44309237	44320282	C2cd2l	**6.13162**	110962
chr16	5007288	5008308	Smim22	**13.3374**	25729
chr1	52119438	52161865	Stat1	**12.09437**	267954
chr18	34631683	34651736	Cdc23	**8.01523**	101039
chr17	28177418	28205886	Zfp523	**8.06482**	91326
chr13	69497959	69533864	Papd7	**7.31549**	122092
chr14	45593171	45658143	Ddhd1	**8.66615**	185596
chr11	86768849	86807660	Dhx40	**7.70688**	119839
chr4	15957967	15992589	Nbn	**7.76083**	80722
chr14	55761428	55763229	Ltb4r2	**5.92038**	35573
chr4	86854099	86857367	Rps6	**8.50143**	49484
chr13	113794508	114157461	Arl15	**6.5946**	92548
chr13	43151742	43171501	Tbc1d7	**5.92006**	31171
chr17	31386234	31476309	Pde9a	**9.35618**	80634
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chr6	7845224	7872042	C1galt1	**6.45247**	55636
chr5	136180357	136198954	Prkrip1	**7.63882**	52756
chr11	100422321	100441089	Nt5c3b	**9.01937**	68994
chr18	88867880	88894207	Socs6	**9.42589**	126339
chr3	95323569	95357202	Setdb1	**7.55815**	145677
chr12	59200655	59219483	Fbxo33	**7.87528**	113316

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chr1	9723196	9747647	Vcpip1	**8.34968**	154797
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chr10	10545039	10558207	Rab32	**6.78132**	58160
chr5	30921895	30931246	Khk	**11.6549**	54359
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chr17	15704967	15772612	Chd1	**8.36569**	276584
chr10	33766424	33782115	Gm4794	**4.28695**	15788
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chr3	95893921	95898592	Aph1a	**7.15768**	73791
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chr18	65430997	65478792	Malt1	**10.17404**	212749
chr14	52296074	52305124	Mettl3	**7.65912**	56542
chr19	34640889	34650009	Ifit1	**20.02841**	220613
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chr13	13954674	13999068	B3galnt2	**7.49698**	105118
chr2	32682670	32694175	Fpgs	**7.88926**	71187
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chr8	70778117	70792433	Mast3	**4.65419**	103659
chr16	97471086	97504936	Fam3b	**11.77195**	41830
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chr5	147016655	147076572	Lnx2	**8.45279**	160344
chr10	128210005	128211794	Spryd4	**6.44985**	39670
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chr11	93886219	93946984	Mbtd1	**6.39398**	139658
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chr17	4995074	5347656	Arid1b	**7.61122**	359917
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chr5	18265135	18360413	Gnai1	**7.67663**	102348
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chr13	73763697	73816742	Slc12a7	**7.03041**	150594
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chr4	152039327	152061494	Nol9	**6.80064**	112960
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chr6	39136620	39206773	Kdm7a	**7.35561**	284591
chr10	80901363	80918245	Lmnb2	**8.23621**	115930
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chr2	103073675	103092649	Apip	**9.18621**	35442
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chr11	106397620	106487796	Ern1	**6.64842**	110376
chr12	73041827	73046712	Six1	**9.92793**	118103
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chr8	26021421	26119224	Hook3	**7.55724**	403656
chr14	20348162	20383491	Fam149b	**7.09401**	93277
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chr8	120581384	120589075	Gins2	**7.92665**	30450
chr11	62648664	62666359	Mmgt2	**7.6547**	60185
chr15	31568912	31590119	Cmbl	**10.42007**	45293
chr16	13671858	13703612	Bfar	**8.74632**	107516
chr7	83892000	83901532	Mesdc2	**7.38409**	138499
chr11	6546887	6596734	Ccm2	**7.18901**	62347
chr6	122820184	122845366	Foxj2	**7.29056**	152544
chr14	55745693	55755634	Nop9	**6.85133**	85051
chr15	55639154	55906949	Sntb1	**5.36525**	48233
chr2	26315533	26348117	Gpsm1	**6.5909**	96404
chr4	21727701	21759922	Ccnc	**5.60807**	95844
chr6	13625675	13677966	B630005N14Rik	**7.89079**	136438
chr15	66577572	66645255	Phf20l1	**7.34866**	204665
chr17	35220175	35235815	Nfkbil1	**9.04594**	55524
chr12	103433873	103443680	Ifi27l2a	**28.87408**	94040

chr17	17374332	17394899	Riok2	**6.71962**	89701
chr8	22411340	22429665	Mrps31	**6.15443**	39472
chr10	52233619	52321377	Dcbld1	**4.96313**	62689
chr17	35861318	35865400	Nrm	**7.97111**	48727
chr19	36083716	36104773	Rpp30	**5.99019**	28914
chr19	8953850	8966210	Tut1	**6.39251**	73403
chr9	20652130	20666584	Pin1	**7.51587**	119505
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chr3	144431107	144570216	Hs2st1	**6.05942**	121724
chr16	33380775	33503903	Zfp148	**6.93931**	273265
chr2	14074112	14148330	Stam	**6.45125**	99183
chr10	67266689	67285281	Nrbf2	**7.18769**	53692
chrX	35888832	36076562	Dock11	**7.50951**	208988
chr15	57985903	58010702	Fam83a	**3.92157**	34141
chr14	60784566	60905480	Mipep	**5.76208**	65346
chr4	6396208	6454271	Nsmaf	**6.9721**	102067
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chr4	155694342	155696483	B930041F14Rik	**4.39392**	39299
chr2	28566245	28583279	Gtf3c5	**6.6775**	78209
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chr4	139380659	139489532	Ubr4	**6.89202**	456760
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chr7	80349097	80371375	Man2a2	**6.66242**	182326

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chr14	79426511	79431038	Kbtbd7	**4.56145**	86242
chr13	100617164	100651061	Rad17	**6.8259**	87044
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chr9	15260351	15279867	Med17	**7.32844**	119340
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chr14	20649102	20656540	Myoz1	**4.4652**	24126
chr8	109565986	109574051	Txnl4b	**6.22611**	46691
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chr11	84195438	84401651	Acaca	**4.23931**	159878
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chr15	102102988	102116401	Tenc1	**6.89911**	135596
chr15	100469034	100479252	Letmd1	**6.67995**	71934
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chr3	92385685	92387319	Sprr2h	**3.97549**	12400
chr7	82648614	82777852	Eftud1	**6.86567**	103433
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chr11	48826138	48850195	Trim7	**6.78045**	38674
chr6	48593883	48599082	Repin1	**4.20754**	55271
chr4	156132170	156133419	Rnf223	**7.97373**	41618
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chr9	96685423	96731574	Zbtb38	**5.95782**	99259
chr18	9212856	9216201	Fzd8	**4.27413**	59715
chr3	152210458	152236830	Fubp1	**5.9084**	160137
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chr4	83220301	83324189	Ttc39b	**6.88888**	252093
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chr18	5046589	5119293	Svil	**8.32239**	257986
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chr5	145231715	145247306	Zfp655	**6.36089**	148789
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chr2	119618506	119650160	Nusap1	**6.6458**	76367
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chr18	36783280	36792560	Hars2	**6.5588**	83857
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chr17	87107679	87137588	Socs5	**6.2179**	114159
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chr12	83950608	83952953	2410016O06Rik	**7.1384**	69926
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chr3	54803115	54807791	Rfxap	**6.73833**	60830
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chr9	31030644	31075885	Zbtb44	**5.2944**	195933
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chr14	73195502	73325791	Rb1	**5.26804**	101735
chrX	169311531	169320343	Hccs	**5.76328**	57322
chr11	116008412	116012719	Galk1	**5.5126**	33399
chr3	90341654	90358120	Gatad2b	**6.06444**	48264
chr5	3928186	4080204	Akap9	**6.62012**	334611
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chr11	61775598	61855092	Ulk2	**6.32698**	153570
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chr3	57644349	57651684	Commd2	**8.82811**	109148
chr10	22703881	22731447	Tbpl1	**8.49065**	101785
chr8	47667178	47675159	Ing2	**4.69873**	55190
chr7	128611365	128696436	Inpp5f	**5.23476**	103606
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chr17	33843091	33849774	Cd320	**5.90066**	54426
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chr15	78159463	78174108	Ift27	**7.02886**	29760
chr9	72979725	72985376	Ccpg1os	**5.4826**	16208
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chr18	76944115	76972171	Hdhd2	**6.11918**	93720
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chr4	149128349	149137600	Apitd1	**8.1337**	31585
chr5	123344448	123374083	Bcl7a	**8.25652**	131316
chr12	33429624	33439380	Twistnb	**5.94504**	57690
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chr16	38558698	38592162	Tmem39a	**5.41452**	66333
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chr13	24012484	24280790	Lrrc16a	**7.09537**	152815
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chr16	3744099	3750788	Zfp263	**7.11989**	96382
chr14	14703025	14799943	Slc4a7	**4.41551**	136231
chr5	24445463	24447846	Tmub1	**7.91048**	43600
chr17	88530124	88588367	Ppp1r21	**7.50491**	98241
chr14	55679080	55681817	Tinf2	**6.69805**	48636
chr10	40223246	40247039	Rpf2	**6.37656**	50322
chr14	64652531	64806296	Kif13b	**7.35174**	171997
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chr10	128363097	128370037	Coq10a	**5.30359**	55518
chr7	45207525	45211883	Dkkl1	**6.85031**	25829
chr9	40685964	40784046	Clmp	**3.12173**	38179
chr11	78073376	78080383	Eral1	**6.03509**	50752
chr17	32321424	32350577	Akap8l	**6.39958**	55367
chr2	25428674	25448539	Abca2	**4.73513**	159379
chr8	4166567	4193701	Evi5l	**5.34181**	34394
chr3	92849949	92851286	Lce1l	**8.28426**	23176
chr7	112679320	112906805	Tead1	**8.24399**	342921
chr13	73819328	73847631	Nkd2	**4.63121**	62306
chr4	126743750	126753429	Ncdn	**5.69674**	88035
chr3	108591278	108645719	Wdr47	**6.53886**	115301
chr13	41865915	41913092	Gm10790	**2.73551**	19372
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chr16	32419702	32428892	Tctex1d2	**6.25297**	16475
chr13	91461097	91706175	Ssbp2	**6.51468**	116398
chr2	104590484	104665425	Cstf3	**6.06652**	81388
chr4	21854347	21876475	Pnisr	**6.38598**	106339
chr15	31602116	31617535	Fam173b	**6.29394**	30643
chr11	30976707	30986365	Chac2	**5.55746**	30863
chr5	121817215	121836801	Sh2b3	**8.28841**	85898

chr10	80130686	80139367	Dos	**4.93548**	62690
chr8	78804868	78821152	Lsm6	**7.43476**	117998
chr11	77982816	78030535	Phf12	**7.01718**	128687
chr14	66084372	66124522	Ephx2	**5.32822**	57578
chr12	31654869	31937617	Cog5	**6.24624**	75088
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chr7	127777389	127800119	Setd1a	**5.89445**	145976
chr5	115565263	115622654	Gcn1l1	**5.31181**	189391
chr6	106769138	106782462	Trnt1	**6.08938**	71041
chr18	36735070	36742331	Tmco6	**6.48988**	47558
chr11	59948214	59963180	Med9	**6.40397**	77198
chr9	65828926	65908794	Trip4	**5.68078**	169884
chr7	30568855	30588726	Kmt2b	**6.88369**	243079
chr13	104205122	104228610	Ppwd1	**5.78341**	51485
chr1	96818784	96872171	Slco4c1	**9.05026**	90468
chr2	181582151	181592461	Znf512b	**6.1329**	134775
chr3	38449261	38484816	Ankrd50	**7.75777**	159210
chr11	98701313	98703629	Csf3	**5.42959**	30901
chr6	120364370	120444574	Kdm5a	**6.80415**	303939
chr19	44931119	44983787	Fam178a	**6.90763**	194632
chr19	10041548	10059671	Fads3	**5.47292**	74704
chr17	30215524	30576287	Btbd9	**6.33456**	176078
chr15	96287522	96405463	Arid2	**5.79761**	218574
chr11	69126377	69149115	Aloxe3	**3.17954**	33695
chr7	45339126	45367019	Ppfia3	**7.49472**	152278
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chr11	96929324	96935647	Prr15l	**9.38536**	53375
chr8	25602306	25719667	Whsc1l1	**6.45798**	314039
chr12	28649602	28659591	Rnaseh1	**6.41038**	38999
chr4	35191282	35225880	3110043O21Rik	**4.88074**	65174
chr12	12262139	12376361	Fam49a	**4.8304**	96087
chr7	67952257	68233667	Igf1r	**7.77506**	388864
chr4	116507549	116538235	Ipp	**5.50887**	48719
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chr13	38204939	38227663	Snrnp48	**5.63802**	42116
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chr5	110176701	110223155	Golga3	**6.67156**	134188
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chr4	148448582	148557685	Mtor	**5.22027**	187348
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chr11	73160530	73172687	P2rx5	**3.07916**	29417
chr4	151003655	151044665	Per3	**7.21347**	182075
chr19	53929659	53944627	Bbip1	**6.98714**	66052
chr17	46171993	46202625	Polh	**6.24952**	67325
chr8	85408759	85432841	4921524J17Rik	**7.0948**	47251
chr4	129676355	129696838	Tmem39b	**6.37272**	48163
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chr18	42275353	42341540	Rbm27	**6.69085**	175002
chr11	79591212	79694012	Rab11fip4	**7.01105**	92069
chrX	71555917	71560673	Hmgb3	**6.31323**	47397
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chr15	81915138	81926213	Polr3h	**6.03785**	60658
chr10	43901807	43947862	Rtn4ip1	**6.75389**	84067
chr18	36281162	36288244	Pura	**7.66687**	51253
chr1	192190777	192510159	Kcnh1	**7.85006**	234625
chr15	95790843	95975472	Ano6	**4.28988**	102298
chr11	65807244	65829239	Zkscan6	**6.54575**	62918
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chr2	119017779	119029393	Ccdc32	**7.18346**	56090
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chr17	21962559	21994366	Zfp943	**5.89067**	67247
chr11	113043906	113201838	2610035D17Rik	**8.79704**	67881
chr7	118972653	118995211	Gprc5b	**5.81675**	47240
chr6	88257334	88446539	Eefsec	**5.56024**	62198
chr4	136653610	136836011	Ephb2	**6.68677**	135527
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chr12	3572391	3781398	Dtnb	**5.95107**	65725
chr2	90429756	90580647	Ptprj	**8.24149**	284006
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chr17	5941280	6044290	Synj2	**6.75813**	177439
chr2	153227769	153241358	Plagl2	**6.68641**	150959
chr5	96997689	97091048	Bmp2k	**5.04099**	138248
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chr14	20723730	20734562	Ndst2	**6.69761**	109263
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chr8	3493138	3497208	Zfp358	**7.53482**	62892
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chr7	140036820	140040605	Zfp511	**6.44974**	23807

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chr16	70313949	70569720	Gbe1	**7.83597**	97765
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chr9	123021326	123023491	Tmem42	**6.25405**	27289
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chr11	3330731	3342971	Pik3ip1	**7.61653**	71334
chr14	8214148	8223569	Kctd6	**5.29817**	36458
chr13	51645232	51650662	Cks2	**5.03933**	14603
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chr7	104338754	104353358	Trim12c	**12.18003**	190005
chr3	123446913	123506602	Prss12	**3.15317**	34324
chr19	40550257	40588463	Aldh18a1	**4.5997**	67740
chr11	80300912	80355986	Rhbdl3	**8.73556**	137403
chr14	26918988	26970551	Appl1	**6.06074**	176160
chr4	63959785	64047015	Tnc	**6.97129**	206672
chr8	105716113	105758607	Gfod2	**7.20557**	61257
chr8	105900474	105931802	Pskh1	**6.35471**	86130
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chr6	134929092	134951718	1190002F15Rik	**8.32144**	21091
chr16	90719312	90727371	Mis18a	**6.83288**	37090
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chr7	116337276	116443458	Pik3c2a	**6.15653**	206733
chr3	69316918	69555396	Ppm1l	**7.21648**	119144
chr7	46751833	46754314	Saa2	**1.25635**	3200
chr6	92173059	92184023	Mrps25	**6.7926**	71729
chr18	6435951	6516108	Epc1	**7.51478**	143335
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chr7	144578323	144582436	Fadd	**6.49964**	77917
chr12	98676741	98737405	Ptpn21	**6.71532**	160893
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chr18	36300101	36301478	Igip	**6.62616**	38126
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chr7	141297176	141338783	Deaf1	**8.2604**	94265
chr11	70000626	70010109	Dvl2	**5.891**	72195
chr4	133661425	133672647	Pigv	**7.24663**	88990
chr8	118283755	119323448	Cdh13	**6.97516**	66696
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chr19	10942512	10949266	Ccdc86	**4.9839**	41038
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chr11	53649519	53707319	Rad50	**6.35538**	136745
chr6	11925881	12081198	Phf14	**7.55281**	244600
chr18	12334024	12583012	Lama3	**7.70096**	332552
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chr6	113307137	113324862	Brpf1	**6.14803**	123196
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chr1	192844488	192855752	Sertad4	**5.8373**	82895
chr6	8209227	8236273	Mios	**5.51251**	85257
chr15	75940952	75949400	Zfp623	**8.00245**	83068
chr19	56912354	57008575	Afap1l2	**5.72517**	97415
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chr15	85735564	85806851	Ppara	**3.53441**	111098
chr3	61002785	61008982	P2ry1	**6.10614**	99410
chr11	116803400	116828046	Mxra7	**8.32945**	59995
chr3	88171560	88177785	1700113A16Rik	**7.63863**	31353
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chr16	5195280	5204012	Nagpa	**5.19193**	48756
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chr17	34931253	34937297	Neu1	**6.12383**	98445
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chr15	77078990	77307053	Rbfox2	**6.53232**	200368
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chr10	128510250	128525859	Esyt1	**6.06768**	93362
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chr5	118245227	118263114	2410131K14Rik	**4.63851**	51713
chr17	23755423	23771591	Flywch1	**6.09649**	63869
chr3	58415689	58466787	Tsc22d2	**5.48226**	202107

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chr19	14448072	14597983	Tle4	**8.56465**	162895
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chr15	44375227	44428307	Nudcd1	**5.16548**	71435
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chr4	148077061	148088064	Agtrap	**6.78244**	114102
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chr15	55015129	55072152	Taf2	**5.40571**	113603
chr11	107207892	107470720	Pitpnc1	**7.65045**	202848
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chr9	22331214	22389206	Anln	**5.87905**	133075
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chr18	21001341	21028223	Rnf138	**5.8409**	75849
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chr4	44756559	44932214	Zcchc7	**7.6343**	80426
chr3	96221121	96223738	Hist2h2be	**8.1493**	89084
chr14	55672235	55678751	Gmpr2	**7.08067**	45649
chr15	58890153	58933730	Tatdn1	**6.23923**	35587
chr8	94601941	94660276	Rspry1	**6.24339**	100341
chr11	113698171	113710017	Cpsf4l	**3.55124**	23310
chr16	31959670	32003287	Senp5	**6.23877**	165001
chr7	73426652	73519708	Chd2	**5.92155**	208609
chr13	12614065	12650395	Gpr137b-ps	**7.88017**	96770
chr10	94147931	94197214	Nr2c1	**7.30709**	116765
chr2	181364931	181380793	Zgpat	**6.11678**	59944

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chr17	40923055	40934551	Cenpq	**6.81455**	41031
chr15	102518192	102523676	Tarbp2	**7.25753**	54244
chr8	77549397	77581338	Prmt10	**6.31806**	73366
chr14	64122621	64455903	Msra	**6.35182**	51002
chr9	13807788	13827107	Cep57	**7.27985**	86419
chr6	89643988	89675529	Txnrd3	**4.80571**	56908
chr11	78465701	78471945	Slc46a1	**4.53566**	37385
chr7	110816535	110844381	Rnf141	**5.97848**	23765
chr5	20893024	20927730	Rsbn1l	**6.68814**	139297
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chr11	59306930	59333552	Wnt9a	**6.33693**	87794
chr16	16302965	16309640	Yars2	**6.36471**	42176
chr10	128543565	128547744	Zc3h10	**7.45794**	65053
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chr17	46257851	46283026	Tjap1	**7.03505**	76228
chr3	67374097	67400000	Mlf1	**6.66719**	32321
chr5	3603232	3637230	Pex1	**3.17809**	54421
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chr19	41922980	41933314	Exosc1	**5.8293**	39480
chr8	11514017	11550771	Cars2	**5.67828**	43863
chr14	75284373	75344426	Zc3h13	**5.35724**	137593
chr6	128409444	128424910	Itfg2	**5.55102**	53287
chr5	73481055	73560794	Dcun1d4	**5.10013**	90038
chr11	54438179	54518241	Fnip1	**6.07804**	159405
chr7	105731730	105737385	Rrp8	**5.90559**	74963
chr9	124423251	124424856	4930526I15Rik	**6.6147**	33558
chr17	33629092	33631714	Zfp414	**7.23832**	36480
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chr19	5050808	5057071	Rin1	**6.99268**	121931
chr9	61953738	62026790	Paqr5	**7.99587**	116854
chr18	33437019	33464029	Nrep	**7.33592**	75506
chr5	35893319	36003922	Afap1	**5.63741**	155758
chr16	87376651	87432606	Ltn1	**5.3176**	171790
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chr4	131768457	131838278	Ptpru	**5.96288**	137039
chr16	32277461	32301439	Rnf168	**6.49743**	121136
chr2	180581304	180585634	Mrgbp	**5.05142**	25142
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chr10	79064374	79097600	2610008E11Rik	**4.79555**	84681
chrX	7657379	7668115	Prickle3	**6.18337**	60390
chr15	7129572	7197489	Lifr	**9.04962**	390451
chr9	35267881	35275957	Rpusd4	**7.25605**	54445

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chr4	139352587	139378735	Emc1	**4.35977**	113540
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chr11	73267620	73297200	Trpv3	**3.30223**	33644
chr10	4432605	4455140	1700052N19Rik	**5.78722**	55337
chr17	15367354	15375823	Dll1	**6.66461**	95395
chr3	118562178	119432918	Dpyd	**4.5145**	83639
chr12	21270172	21286237	Itgb1bp1	**5.98284**	37672
chr11	116537753	116581447	Ube2o	**5.46435**	118463
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chr19	10577387	10590041	Cyb561a3	**7.407**	96712
chr5	123394798	123457931	Mlxip	**6.45709**	196928
chr17	55960713	55967951	Ccdc94	**5.54719**	28675
chr10	94688790	94790336	Cep83	**5.94406**	74111
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chr15	72589620	73061204	Trappc9	**5.69987**	177928
chr10	100015824	100100412	Kitl	**7.52641**	171275
chr8	119760587	119778416	Tldc1	**5.56013**	59759
chr4	43017638	43025756	Pigo	**5.25677**	92979
chr17	56269462	56276767	Ticam1	**6.04229**	71400
chr13	46749088	46929718	Kif13a	**6.72415**	192747
chr9	44396927	44402965	Slc37a4	**5.26805**	55036
chr16	20141063	20232573	Yeats2	**4.41677**	112793
chr2	85590510	85591521	Olfr998	**2.6576**	11230
chr8	68793929	68829410	Ints10	**7.25642**	132014
chr11	118259653	118290244	Usp36	**5.5092**	129028
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chr13	106794439	106936915	Ipo11	**5.00555**	89497
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chr17	26973179	26976203	Zbtb9	**6.24158**	72556
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chr4	11265079	11322131	Dpy19l4	**5.24498**	65351
chr13	84222296	84295966	Tmem161b	**5.32133**	59681
chr7	80269655	80291579	Vps33b	**6.11944**	65617
chr2	132263148	132312050	Cds2	**5.47672**	192618
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chr14	31373964	31436033	Sh3bp5	**5.25729**	54287
chr18	4331327	4352953	Map3k8	**4.47124**	46805
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chr8	10986964	11008430	Irs2	**5.75887**	92578
chr6	29123573	29164724	Rbm28	**4.94488**	86430
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chr16	26581705	26725147	Il1rap	**4.27872**	125329
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chr4	134243306	134244906	Zfp593	**6.15809**	33170
chr19	42170567	42194592	Zfyve27	**5.89414**	138142
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chr6	131284389	131293244	Magohb	**6.08546**	19464
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chr11	3649494	3690370	Morc2a	**5.57746**	121870
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chr10	18213685	18234981	Ccdc28a	**6.11977**	29795
chr10	79821021	79830452	Misp	**10.35221**	104909
chr19	6844623	6858211	Ccdc88b	**5.8242**	120598
chr9	103008489	103087849	Slco2a1	**4.74333**	79877
chr16	33794037	33819927	Muc13	**9.24103**	114562
chr4	144972622	145195005	Vps13d	**4.54644**	300816
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chr8	122476143	122483056	Ctu2	**5.15057**	44647
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chr7	44246722	44252319	2410002F23Rik	**5.66805**	46908
chr2	180460978	180474853	Slco4a1	**9.03995**	116561
chr8	3150922	3279617	Insr	**5.83056**	227753
chr5	123015074	123030452	Orai1	**6.54998**	51171
chr10	93160876	93241342	Cdk17	**5.82366**	88586
chr7	12927416	12931072	2310014L17Rik	**4.87006**	65865
chr11	5713417	5762376	Urgcp	**6.04378**	139302
chr6	146724930	146778814	Stk38l	**5.94081**	114529
chr10	83543941	83596473	A230046K03Rik	**5.27082**	128925
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chr11	88830792	88864586	Akap1	**5.44441**	91342
chr15	58094047	58135082	Atad2	**4.40748**	104587
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chr4	66827811	66842796	Tlr4	**8.29683**	133239
chr4	117932153	118134946	St3gal3	**3.59219**	39088
chr4	155067030	155072406	Pex10	**4.61912**	31766
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chr18	24470871	24477767	2700062C07Rik	**6.35488**	27384
chr12	69157722	69159186	Rps29	**5.69437**	9273
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chr19	34008254	34047903	Lipk	**6.85459**	64112
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chr3	104794834	104818563	Mov10	**8.01118**	122731
chr10	111972695	111988430	Krr1	**6.35334**	123145
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chr5	92603051	92606579	Stbd1	**5.63294**	46688
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chr11	53324689	53333301	Zcchc10	**4.79745**	25180
chr9	21955753	21958270	Swsap1	**5.07149**	39091
chr15	93398350	93491912	Pphln1	**4.15855**	74023
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chr2	167421721	167476998	Slc9a8	**6.45677**	121591
chr8	105472425	105496870	Zdhhc1	**5.40745**	46377
chr15	78947724	79005864	Triobp	**6.86354**	218896
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chr15	99126845	99212466	Spats2	**6.04827**	51974
chr4	142102390	142239401	Kazn	**7.51102**	230482
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chr5	100442035	100500639	Lin54	**6.35186**	125530
chr9	46012820	46224194	Sik3	**5.86409**	153941
chr5	52643407	52669701	Sepsecs	**5.47745**	44027
chr8	122568015	122573130	Cdt1	**4.23641**	38757
chr9	78448210	78474152	Mto1	**4.54315**	44845
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chr7	120917744	120947432	Polr3e	**5.2467**	92757
chr2	180725339	180742278	Slc17a9	**7.87651**	72256
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chr5	121452709	121495421	Tmem116	**2.71809**	16468
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chr12	83987861	83993875	Acot2	**3.30788**	30359
chr14	32180166	32201891	Timm23	**4.0425**	19614
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chr17	80127471	80185032	Galm	**6.9316**	64977
chr8	19293361	19295339	Defb3	**1.37894**	1854
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chr8	26119380	26143869	Rnf170	**5.59303**	91430
chr12	70190815	70227683	Pygl	**4.2628**	50212
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chr19	45006558	45012762	Peo1	**4.9334**	71851
chr19	11912399	11945096	Patl1	**5.08453**	89614
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chr18	77065208	77155708	Pias2	**5.81788**	131982
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chr12	84996321	85070515	Ylpm1	**5.29878**	155628
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chr12	65036334	65063386	Prpf39	**5.76442**	90477
chr9	123636907	123678832	Slc6a20a	**7.77677**	61502
chr5	112338318	112343040	Srrd	**4.79087**	13763
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chr17	48419231	48432728	Apobec2	**5.09853**	25930
chr14	77024201	77036617	Lacc1	**5.45385**	55087
chr4	148434497	148444751	Ubiad1	**4.51341**	55972
chr6	116018618	116193374	Tmcc1	**6.12628**	146294
chr11	49846751	49886421	Mapk9	**5.87198**	116561
chr8	95081201	95099827	Katnb1	**5.06434**	71432
chr4	124700699	124708611	Fhl3	**4.36031**	30678
chr11	50025331	50125719	Rnf130	**6.03697**	206701

chr8	74993703	75031972	Hmgxb4	**5.76798**	92580
chr13	76098734	76187983	Ttc37	**4.81013**	108076
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chr9	121680045	121705029	Sec22c	**6.09778**	147243
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chr19	6384429	6398459	Pygm	**3.51852**	41783
chr9	111228228	111271608	Mlh1	**4.99992**	54239
chr17	29156521	29237790	Cpne5	**3.34021**	60893
chr7	128205504	128206366	Cox6a2	**4.75208**	11707
chr2	181251451	181287966	Gmeb2	**5.55733**	93979
chr7	140941581	140947658	Athl1	**5.90147**	73309
chr12	91633009	91786436	Ston2	**5.90931**	244178
chr17	12119284	12219640	Agpat4	**6.71755**	53574
chr8	13255963	13288012	Dcun1d2	**6.21956**	75832
chr2	118598211	118641592	Bub1b	**4.55941**	69850
chr11	80046493	80080991	Crlf3	**6.51375**	65167
chr1	64730558	64737750	Fzd5	**5.55787**	160453
chr12	111166370	111267155	Traf3	**4.55031**	136039
chr1	127204986	127482972	Mgat5	**4.40505**	57093
chr4	129619274	129623908	Ccdc28b	**6.72116**	23574
chr3	55112108	55137332	Spg20	**5.79458**	98088
chr1	78658440	78667601	Utp14b	**4.52479**	67298
chr11	77508099	77513273	Trp53i13	**3.94635**	22509
chr12	81714950	81781170	Map3k9	**6.56209**	325787
chr13	81711417	81753275	Mblac2	**4.98668**	80810
chr4	156215927	156221307	Perm1	**5.04285**	80899
chr14	63860312	63919859	Pinx1	**6.1346**	34606
chr8	70450228	70476943	Klhl26	**5.28832**	67768
chr6	34155879	34177054	Slc35b4	**6.21479**	95937
chr7	6131489	6155971	Zfp787	**6.08301**	48234
chr11	101070094	101077671	Naglu	**5.41026**	55957
chr11	105126425	105141146	Mettl2	**5.18423**	56693
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chr14	8002902	8056555	Abhd6	**6.36504**	53633
chr14	55591790	55603671	Rnf31	**6.15864**	86944
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chr4	10874498	10899423	2610301B20Rik	**6.38011**	56424
chr10	50592669	50851202	Ascc3	**5.18169**	161774
chr5	20758664	20882124	Phtf2	**3.9113**	79029
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chr11	62574486	62600305	Trpv2	**2.66984**	30668
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chr10	94036001	94145339	Fgd6	**7.14253**	239902
chr1	165212286	165236958	Tiprl	**6.10804**	112091
chr2	33450288	33468532	Zbtb43	**5.1977**	110447
chr5	123698302	123721044	Zcchc8	**6.03149**	107941

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chr6	97807058	98021358	Mitf	**4.88478**	105613
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chr17	44096310	44105808	Enpp4	**7.14943**	136038
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chr17	63863981	64139496	Fert2	**5.26994**	79811
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chr8	13907806	13940521	Fbxo25	**6.21533**	52112
chr5	101832953	102069921	Wdfy3	**6.20987**	370194
chr3	103832696	103854618	Bcl2l15	**5.44915**	47622
chr14	24133953	24245920	Dlg5	**6.47759**	212402
chr16	20703037	20716636	Clcn2	**7.25142**	108215
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chr19	10182888	10196872	Fads1	**5.6462**	81525
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chr5	117976770	118010191	Fbxo21	**3.91984**	63980
chr9	108296922	108301597	Amt	**5.97988**	33084
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chr9	85842380	85847055	Tpbg	**5.58623**	86817
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chr4	73714579	73790602	Rasef	**6.98388**	151143
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chr2	163658386	163726158	Pkig	**5.00211**	29784
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chr4	40203777	40239825	Ddx58	**7.12496**	147056
chr5	107909006	107987077	Fam69a	**4.62545**	33992
chr3	144952486	144975045	Clca6	**5.47619**	68552
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chr11	87077732	87086777	Smg8	**6.84116**	92009
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chr15	79286228	79328371	Pla2g6	**3.73092**	58030
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chr7	45027707	45052881	Prr12	**5.64057**	162016
chr14	45376885	45388796	Gnpnat1	**4.53577**	39242
chr16	17619354	17644830	Smpd4	**4.16842**	81126
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chr11	102475916	102556158	Gpatch8	**5.79272**	165177
chr18	34624936	34631612	Kif20a	**4.97658**	53217
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chr7	28179483	28187298	Dyrk1b	**5.38206**	59216
chr6	119432531	119544347	Wnt5b	**7.22634**	80081
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chr10	24595442	24598682	Ctgf	**7.20189**	72232
chr11	107033081	107131922	Bptf	**5.75157**	275893
chr12	73964530	73984820	Snapc1	**5.3148**	47158
chr17	6106830	6240637	Tulp4	**4.87127**	200614
chr7	34109550	34133268	Wtip	**6.35308**	51861
chr2	127740732	127788891	Nphp1	**6.11261**	58627
chr8	22757744	22782848	Plat	**7.06576**	74702
chr6	87913976	87936613	Hmces	**5.67426**	33336
chr5	23740165	23783711	Pus7	**4.36966**	81357
chr6	3498393	3603531	Ccdc132	**4.9709**	121672
chr16	24392556	24393655	1110054M08Rik	**6.86026**	17273
chr16	24393350	24992578	Lpp	**5.6376**	370635
chr17	74528295	74703356	Birc6	**4.41691**	290807
chr7	18839966	18858653	Mill2	**7.51811**	35159
chr17	47599689	47611492	Bysl	**4.86977**	71087
chr10	102512222	102546560	Rassf9	**4.65244**	41145
chr9	21104068	21131275	Tyk2	**5.55819**	113094
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chr2	71453338	71525191	Metap1d	**5.2302**	27495

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chr11	29511757	29515033	Prorsd1	**4.15047**	36879
chr16	93711907	93810588	Dopey2	**5.1832**	161345
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chr10	81364036	81365820	4930404N11Rik	**4.92763**	14053
chr12	56328307	56345894	Mbip	**4.59544**	28936
chr7	45918023	45921426	Emp3	**4.30419**	17469
chr17	78852550	78882572	Eif2ak2	**6.41113**	115806
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chr17	25834465	25837127	Rhbdl1	**2.87188**	18503
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chr13	97898595	98206165	Arhgef28	**7.60442**	198738
chr7	45897069	45917413	Tmem143	**4.78387**	43326
chr2	15055362	15079191	Arl5b	**5.49238**	82423
chr2	30171524	30172951	Endog	**5.42028**	14779
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chrX	135993820	135995359	Arxes2	**2.97032**	19100
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chr5	124463265	124478235	Rilpl2	**4.79933**	25250
chr18	52465693	52490738	Srfbp1	**5.65662**	34555
chr18	3507957	3516404	Bambi	**5.82249**	122532
chr9	64306756	64341257	Dis3l	**5.33028**	88359
chr8	122282141	122337247	Zfpm1	**3.60235**	50931
chr19	46328184	46329593	Fbxl15	**3.9682**	16619
chr15	67102875	67176882	St3gal1	**6.73367**	162626
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chr6	72565922	72598413	Elmod3	**5.65018**	52729
chr17	26091745	26095470	Nme4	**4.7063**	16959
chr5	150635973	150665612	N4bp2l2	**5.15791**	193423
chr11	65002077	65162961	Arhgap44	**2.30336**	38817
chr11	82900768	82908395	Nle1	**4.72816**	34885
chr8	56531522	56550566	Cep44	**5.00501**	29237
chr6	120931546	121131022	Mical3	**5.27353**	217070
chr2	165490112	165493314	2810408M09Rik	**6.33242**	49392
chr4	136286069	136293942	Zfp46	**6.16372**	119341
chr16	18071726	18089190	Prodh	**7.2565**	69174
chr12	17348493	17430095	Nol10	**4.27203**	53264
chr10	23785183	23787209	Rps12	**6.28781**	13600
chr8	116888685	116921436	Cmc2	**4.24715**	25537
chr4	109978025	109983684	Dmrta2	**6.92063**	85160
chr5	136987019	136996646	Plod3	**5.51666**	68045

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chr12	86241878	86291368	Gpatch2l	**4.85253**	79406
chr11	48802033	48802109	Snord96a	**5.61405**	1805
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chr10	24641411	24712102	Enpp1	**4.17238**	56168
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chr6	43345007	43666175	Tpk1	**5.24395**	56098
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chr11	57645442	57787500	Galnt10	**11.60258**	227748
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chr6	39603237	39725463	Braf	**4.33352**	176025
chr15	75657033	75678790	Top1mt	**5.15836**	40816
chr11	3131945	3193463	Sfi1	**4.77825**	78410
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chr7	81571292	81596836	Whamm	**5.23432**	67076
chr15	73101625	73184947	Ago2	**4.73418**	158754
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chr11	75178925	75190483	Dph1	**4.14419**	23499
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chr4	148039077	148059562	Mthfr	**5.09812**	130725
chr7	126688927	126695783	Slx1b	**4.56396**	70358
chr8	77595978	77610653	Tmem184c	**4.15672**	46550
chr1	169741477	169747642	Rgs4	**4.29041**	52687
chr4	123349633	123684360	Macf1	**4.9955**	490077
chr10	39369799	39565374	Fyn	**4.53981**	69853
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chr2	103566310	103718423	Abtb2	**4.64439**	88392
chr4	133011506	133078110	Ahdc1	**5.8703**	161825
chr1	163779679	163917100	Kifap3	**5.00946**	81723
chr1	89454811	89895282	Agap1	**4.67982**	187219
chr17	27856507	27900040	Uhrf1bp1	**4.17376**	149302
chr11	76210571	76217572	Gemin4	**5.02647**	72367
chr17	74717750	74863570	Ttc27	**4.59212**	54072
chr14	118137127	118164232	Gpr180	**5.08551**	61092
chr11	111066164	111076825	Kcnj2	**6.19166**	140849
chr9	44110781	44113051	Rnf26	**4.03539**	38266
chr16	8633731	8637701	Tmem186	**5.00344**	60127
chr14	48446352	48515159	Tmem260	**5.30457**	115575
chr13	100697241	100730942	Cdk7	**4.36708**	134591
chr4	134275005	134287846	Pdik1l	**5.46007**	107769
chr7	19581038	19604486	Clasrp	**5.04472**	48153
chr13	95627177	95891922	Iqgap2	**7.65684**	184506
chr10	84622437	84727178	Polr3b	**5.21417**	105158
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chr8	70184340	70212281	Slc25a42	**3.91628**	51870
chr13	98263076	98274754	Ankra2	**5.23845**	71766
chr5	114727408	114773492	Git2	**6.0813**	127826
chr17	88440712	88490533	Foxn2	**5.42959**	115261
chr2	119112817	119136070	Rad51	**4.261**	38039
chr7	139978938	139992488	Adam8	**3.9869**	50558
chr5	134932373	134942637	Wbscr27	**6.57316**	76932
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chr19	5917556	5924816	Cdc42ep2	**7.0503**	43893
chr17	24443778	24455392	E4f1	**5.65492**	62714
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chr19	37376403	37421859	Kif11	**3.90258**	78527
chr1	170874188	170885540	Dusp12	**5.53602**	31761
chr6	94500314	94604528	Slc25a26	**4.35221**	32620
chr18	35553410	35558316	Snhg4	**5.93943**	28545
chr11	46436947	46442721	Med7	**5.29756**	56937
chr10	115384959	115432771	Zfc3h1	**4.55258**	132229
chr8	111536640	111626030	Znrf1	**5.44994**	104110
chr13	73467383	73514538	Lpcat1	**6.67502**	44734
chr6	85431976	85446429	Smyd5	**4.20988**	43823
chr1	75521529	75537335	Stk11ip	**4.66713**	86876
chr7	19606222	19629438	Relb	**5.08353**	46698
chr9	5345476	5373034	Casp12	**9.02685**	98187

chr5	135149711	135162662	Tbl2	**4.32002**	78214
chr8	123518835	123536650	Gas8	**6.55907**	46011
chr3	94372794	94398274	Rorc	**5.70938**	81436
chr9	108808380	108818366	Nckipsd	**4.16941**	49965
chr8	66860217	66890564	Naf1	**4.02314**	50228
chr9	31426196	31464238	Tmem45b	**6.59339**	43361
chr15	50654759	50890041	Trps1	**5.04916**	215087
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chr7	46760466	46795881	Hps5	**4.79131**	94189
chr14	26573858	26634322	Dennd6a	**5.02818**	145014
chr4	120921202	120925005	Exo5	**5.21116**	42844
chr11	54522845	54699286	Rapgef6	**4.90541**	190775
chr9	74953053	75032468	Fam214a	**4.71757**	89056
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chr6	6956018	7039220	Acn9	**4.59606**	10555
chr2	134594502	134644121	Tmx4	**3.94065**	84690
chr2	122053632	122118386	Spg11	**4.22803**	133448
chr10	61738653	61783864	H2afy2	**5.68617**	39674
chrX	52912214	52956961	Phf6	**4.81698**	88901
chr11	120458129	120464325	Ccdc137	**5.44867**	62133
chr1	39371911	39478747	Tbc1d8	**5.96158**	100168
chr7	25317164	25365917	Megf8	**4.56498**	191374
chr3	37420280	37579095	Spata5	**3.53435**	42945
chr2	181195124	181202789	Ptk6	**3.13675**	29941
chr12	24651371	24662782	Klf11	**5.37064**	89297
chr9	57940135	57962865	Sema7a	**4.32072**	59085
chr18	61493794	61536536	Arhgef37	**6.47605**	87450
chr13	112927793	112969187	Dhx29	**4.57161**	78226
chr17	3519398	3557713	Tfb1m	**4.96402**	24707
chr3	93319749	93333572	Hrnr	**4.85569**	216091
chr13	100407770	100452864	Naip1	**10.43935**	233684
chr1	131744022	131770405	Slc26a9	**3.87674**	58922
chr11	100780731	100850585	Stat5b	**5.35947**	121784
chr11	67854523	67922153	Usp43	**6.63261**	123573
chr14	30479565	30527056	Dcp1a	**5.33658**	125141
chr3	32510550	32520833	Zfp639	**4.90696**	42228
chr9	15709769	15738789	Slc36a4	**3.23023**	26126
chr14	14012491	14107301	Atxn7	**4.98399**	142595
chr8	94037198	94067922	Ogfod1	**4.31279**	95641
chr4	62499054	62502200	Hdhd3	**4.08927**	18492
chr6	118107452	118139140	Csgalnact2	**4.83778**	73953
chr12	111803193	111813841	Xrcc3	**3.28143**	33021
chr15	53068261	53346183	Ext1	**4.46786**	64623
chr12	69189838	69197727	Dnaaf2	**5.55942**	35563
chr6	90369494	90403486	Zxdc	**4.92543**	142133
chr17	32965831	32979211	Zfp472	**6.89186**	67252
chr8	13288127	13322924	Tmco3	**6.09595**	112480

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chr11	3514702	3517351	Selm	**4.87991**	17768
chr9	20468549	20492746	Zfp426	**4.99696**	71337
chr1	119526154	119528983	Tmem185b	**4.89984**	57900
chr11	87127075	87220686	Trim37	**4.25319**	100109
chr14	51893610	51896745	Slc39a2	**3.69108**	35972
chr7	45554928	45567321	Hsd17b14	**3.81941**	21769
chr4	141467938	141538597	Spen	**4.95844**	253645
chr13	24937785	24939049	9330162012Rik	**3.64671**	19262
chr2	24291196	24293820	Il1f10	**3.86347**	8679
chr9	3404085	3479236	Cwf19l2	**4.9771**	82151
chr8	126947173	126971079	Rbm34	**4.55634**	65275
chr16	90830859	90904885	Eva1c	**4.95933**	44356
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chr4	123016597	123054934	Trit1	**5.11528**	43978
chr4	121145373	121188534	Rlf	**4.82864**	132767
chr5	21424903	21482124	Fam185a	**3.11541**	40092
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chr16	45626848	45654118	BC016579	**6.50145**	59506
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chr16	64780347	64786321	Zfp654	**5.93581**	117605
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chr19	37550418	37683249	Exoc6	**4.56445**	52088
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chr10	82619851	82623228	1190007I07Rik	**4.55866**	14238
chr5	108065674	108109219	Mtf2	**4.80734**	104902
chr14	47540893	47568434	Atg14	**5.86799**	84556
chr17	26715650	26776626	Crebrf	**6.9039**	214850
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chr2	153346139	153404007	Asxl1	**4.85033**	135166
chr6	113483569	113493338	Creld1	**3.40587**	28926
chr15	7873055	8099209	Wdr70	**4.00188**	35943
chr2	69135800	69189329	Nostrin	**8.19586**	61839
chr19	42247578	42270348	Golga7b	**4.7684**	59413
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chr16	43980350	44027945	Gramd1c	**4.83766**	73224

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chr16	91014037	91044379	Paxbp1	**5.07679**	80744
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chr18	68300355	68324852	Rnmt	**4.70595**	98406
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chr3	27097222	27153878	Ect2	**4.31271**	74138
chr16	33955012	33967003	Umps	**4.38041**	58877
chr4	116702434	116708385	Mmachc	**4.11814**	33187
chr5	145194946	145201882	Zkscan14	**5.602**	46338
chr7	108921853	108930158	Nlrp10	**4.98402**	93295
chr1	44086617	44102388	Tex30	**5.20179**	27476
chr15	99702287	99713995	Smarcd1	**4.92199**	64800
chr5	36474078	36484285	Tada2b	**5.25508**	74232
chr2	121137292	121140698	Lcmt2	**4.45116**	58880
chr1	60343372	60387387	Cyp20a1	**3.70199**	23202
chr17	80393752	80480453	Sos1	**4.31971**	160872
chr8	106135400	106138722	1810019D21Rik	**4.82975**	28556
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chr1	20730905	20734496	Il17a	**7.06878**	34563
chr2	153241532	153270249	Pofut1	**5.12832**	119979
chr9	78109192	78172109	Ick	**6.16712**	178428
chr6	72414308	72431106	Ggcx	**3.62985**	50365
chr19	46056539	46072909	Pprc1	**4.91227**	107561
chr8	71497753	71511769	Plvap	**2.53878**	21371
chr15	100689915	100729376	Galnt6	**4.35809**	104980
chr15	98571004	98589588	4930415O20Rik	**6.34018**	14984
chr14	70654246	70766628	Xpo7	**4.0901**	258189
chrX	139800808	139811388	Cldn2	**6.36504**	81486
chr11	83294930	83298977	Pex12	**4.36805**	44521
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chr8	109705546	109724932	Zfp821	**5.01088**	51638
chr11	120456604	120458063	Oxld1	**4.25556**	14393
chr7	16119876	16127516	Kptn	**5.64787**	38888
chr5	140327674	140331898	Ftsj2	**4.61722**	27820
chr12	105613540	105685241	Atg2b	**4.02945**	171144
chr7	31302769	31304977	Scgb2b2	**4.38849**	9382
chr6	134830199	134857883	Crebl2	**4.8328**	51175

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chr17	15396202	15433581	Fam120b	**4.95442**	94396
chr5	34153897	34168394	Haus3	**4.5734**	35691
chr8	95715913	95719004	Setd6	**4.40326**	30686
chr7	133637675	133673017	Edrf1	**5.18756**	115625
chr8	105943590	105966115	Slc12a4	**5.25788**	84129
chr11	52252604	52282571	Tcf7	**4.2964**	40149
chr1	138963709	139176042	Dennd1b	**6.75598**	234507
chr3	105678462	105687571	Ddx20	**5.08818**	57576
chr6	38697840	38876190	Hipk2	**3.78496**	72304
chr7	140097815	140102441	Fuom	**5.10768**	49735
chr1	63730625	63753385	Fastkd2	**4.12135**	55154
chr11	82804275	82871210	Rffl	**5.72836**	90485
chr15	88805243	88819318	Alg12	**4.66942**	42036
chr12	106010263	106077410	Vrk1	**3.96726**	62882
chr1	66175329	66442583	Map2	**4.8999**	112937
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chr17	78850505	78852544	Gm6548	**6.78442**	57790
chr19	29808108	29812974	Ranbp6	**4.06388**	82587
chr10	75831845	75834881	Gstt2	**5.60498**	32063
chr13	29325306	29855588	Cdkal1	**4.78709**	50731
chr2	125068127	125087521	Slc24a5	**5.21131**	26917
chr17	85984665	86145175	Srbd1	**4.24945**	62635
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chr13	100759686	100775899	Cenph	**3.68129**	19045
chr13	43195519	43304172	Gfod1	**3.63585**	101018
chr16	17759621	17793382	Klhl22	**4.85679**	53092
chr5	103862050	103911229	Klhl8	**4.32925**	57177
chr2	92383676	92401263	Mapk8ip1	**4.61587**	66706
chr9	72532240	72622949	Rfx7	**4.68472**	156489
chr2	24976033	25054072	Pnpla7	**3.58992**	68788
chr13	90923122	90924732	Rps23	**5.79354**	13426
chr2	121171168	121198770	Tubgcp4	**5.13596**	55050
chr5	37050857	37125298	Jakmip1	**7.6034**	75624
chr9	75625732	75637773	Lysmd2	**4.95049**	24805
chr1	132007605	132025684	Elk4	**5.11485**	78402
chr7	80586632	80688877	Crtc3	**5.36958**	114570
chr2	32925254	32961255	Lrsam1	**3.85993**	63550
chr14	70474555	70520260	Bmp1	**4.83699**	89957
chr5	139359739	139460534	3110082I17Rik	**4.18545**	25533
chr16	17900709	17911348	Dgcr14	**5.92338**	69698
chr10	99107171	99197988	Poc1b	**5.03951**	57383
chr1	85576899	85603891	Sp110	**8.95268**	73680
chr11	95749067	95764713	Zfp652	**5.57633**	62052

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chr7	78895927	78908833	Aen	**3.78229**	40746
chr4	154142372	154156818	Wdr8	**3.97541**	26559
chr13	43370716	43395203	Sirt5	**4.42549**	25168
chr1	132989845	133025348	Mdm4	**4.48384**	65341
chr9	63953076	64022059	Smad6	**4.88527**	60604
chr11	114922781	114934386	Cd300lb	**2.66609**	32061
chr15	89123303	89128700	Hdac10	**5.23447**	53046
chr7	81881256	81934459	Hdgfrp3	**5.87331**	122694
chr11	74849264	74897080	Sgsm2	**3.71801**	73897
chr2	32621758	32635058	Ak1	**4.02052**	39703
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chr4	46505072	46536141	Trim14	**6.10158**	81629
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chr14	51884842	51891868	Mettl17	**5.64701**	38269
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chr17	50733127	51179352	Tbc1d5	**4.75428**	117164
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chr13	114452262	114458951	Fst	**3.4715**	37079
chr11	117654289	117763441	Tnrc6c	**4.70968**	171639
chr5	145147378	145167104	Ptcd1	**5.23633**	65134
chr12	75818318	76110928	Syne2	**5.31764**	482002
chr11	67025154	67035312	Tmem220	**3.26169**	22676
chr16	21423118	21644681	Vps8	**3.88763**	81700
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chr19	47090766	47131145	Pdcd11	**4.20753**	106167
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chr16	93883901	93906106	Chaf1b	**3.67187**	29330
chr5	140505609	140525238	Chst12	**3.37621**	25178
chr12	107910403	108003414	Bcl11b	**4.19474**	138773
chr11	60777525	60788287	Smcr8	**4.10682**	138505
chr10	127538158	127621148	Lrp1	**4.38917**	272908
chr17	25099569	25115967	Telo2	**4.04762**	59677
chr5	144768792	144859773	Trrap	**4.23992**	220873
chr2	104754793	104816696	Qser1	**4.33163**	162329
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chr10	120141654	120201537	Irak3	**3.06507**	37998
chr5	139150223	139186505	Heatr2	**3.96548**	57042
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chr5	36868570	36955078	Ppp2r2c	**5.56926**	93739
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chr7	46443159	46639807	Sergef	**5.41956**	33039
chr14	54541785	54554361	Haus4	**4.74622**	31451
chr14	27428847	27483554	Fam208a	**5.35243**	164892
chr15	76721465	76723845	C030006K11Rik	**4.29383**	31788
chr16	62734852	62786716	Nsun3	**4.61556**	25902
chr12	16810965	16826752	E2f6	**5.37465**	56015
chr11	69157072	69169791	Alox12b	**5.28096**	51753
chr2	129100996	129126595	Polr1b	**4.75245**	79336
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chr18	60813756	60848964	Tcof1	**4.50879**	87148
chr10	78170910	78185149	Pwp2	**4.37865**	70774
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chrX	150547446	150570622	Alas2	**4.40542**	35870
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chr5	8396969	8422716	Dbf4	**4.14209**	42218
chr16	44173397	44227466	Gm608	**4.49605**	236675
chr13	22040960	22041362	Hist1h4i	**3.49432**	5880
chr11	99514624	99521258	Krt39	**3.4337**	20775
chr5	122364584	122371963	Fam216a	**5.94952**	24420
chr10	95411490	95416857	Socs2	**6.13552**	66763
chr1	172376531	172384099	Pigm	**4.38327**	138531
chr2	60293760	60383231	Ly75	**2.60028**	56155
chr4	152086863	152115404	Plekhg5	**4.79913**	80476
chr3	92806291	92807891	Lce1k	**4.37081**	12100
chr3	113605067	113630149	Rnpc3	**4.5679**	42648
chr9	105642995	105687655	Pik3r4	**5.07345**	103464
chr3	10417817	10440130	Snx16	**4.82909**	53636
chr3	95739974	95754977	Tars2	**4.28388**	79420
chr9	46283012	46298783	Bud13	**5.09006**	46928
chr2	32414487	32431151	Slc25a25	**4.67146**	74785
chr9	58217180	58249786	Pml	**4.9589**	111336
chr7	105371211	105400054	Fam160a2	**6.55889**	273429

chr9	56950924	56983199	Snupn	**4.0343**	22539
chr16	18220753	18235136	Zdhhc8	**4.47758**	91013
chr18	44425060	44812182	Mcc	**4.71897**	154835
chr11	4097040	4118729	Sec14l2	**3.51592**	37113
chr9	88548020	88571086	Zfp949	**4.72778**	69034
chr14	20294690	20317575	Nudt13	**4.93354**	51974
chr18	12972252	12992948	Impact	**5.01229**	71828
chr18	68260185	68300333	Fam210a	**4.12607**	165376
chr3	84087934	84155786	Mnd1	**4.53308**	16543
chrX	16619698	16687812	Maoa	**3.91774**	68068
chr17	31564773	31607693	Pknox1	**4.31369**	80333
chr11	69561754	69579324	Wrap53	**4.6255**	36619
chr13	24907579	24937661	Aldh5a1	**3.4785**	70836
chr4	122946851	122961188	Mfsd2a	**3.4821**	31260
chr8	22168152	22185819	Ckap2	**4.65954**	50605
chr6	81957842	81965949	Mrpl19	**4.12808**	66448
chr9	96119429	96182953	Gk5	**4.24395**	48661
chr7	4148183	4149872	Leng9	**3.74287**	26412
chr7	133686355	133709295	Uros	**3.61657**	36620
chr12	79130788	79156016	Arg2	**2.74717**	12985
chr18	44071393	44083610	Spink6	**4.53035**	11104
chr2	165288031	165326479	Elmo2	**4.69054**	114986
chr6	119570796	119848150	Erc1	**4.34115**	178619
chr4	115624728	115647705	Cyp4b1	**5.58882**	43662
chr5	138259658	138264044	BC037034	**5.30797**	56251
chr3	115888183	115929323	Dph5	**4.30229**	28150
chr5	31452436	31481753	Zfp512	**5.41104**	74492
chr2	106693459	106868360	Mpped2	**8.03661**	91879
chr17	25779843	25785586	Haghl	**5.00032**	26036
chr6	121245906	121270917	Usp18	**7.80247**	57698
chr9	37229149	37255738	Slc37a2	**3.5075**	64968
chr7	97371617	97392158	Alg8	**3.49291**	29184
chr8	84066836	84096992	Rfx1	**4.03169**	70233
chr3	92788845	92790514	Lce1j	**3.64109**	10612
chr5	86110730	86172743	Uba6	**4.44008**	94311
chr11	72042502	72047370	Fam64a	**4.9563**	30339
chr11	97362551	97398542	Socs7	**5.44248**	159417
chr12	69724962	69744658	Atp5s	**4.44245**	27546
chr17	24892152	24895087	Eme2	**4.86446**	30894
chr3	116739999	116808166	Agl	**3.48212**	139944
chr6	17693994	17943023	St7	**4.7797**	54744
chr5	114808196	114813976	1500011B03Rik	**4.37296**	31753
chr13	64161866	64186537	Habp4	**4.34182**	46538
chr5	23431808	23434353	5031425E22Rik	**5.22347**	55530
chr1	192098546	192138040	Rcor3	**4.48433**	82743
chr15	36174010	36177012	Polr2k	**3.7565**	9819
chr10	19934526	20142750	Map3k5	**4.32617**	97419

chr14	46760541	46771525	Cdkn3	**4.09831**	13228
chr17	85063477	85090274	Prepl	**3.87011**	52212
chr15	77015487	77050606	Mb	**6.19257**	27150
chr12	37241639	37581932	Agmo	**5.55154**	49954
chr10	80226598	80245144	Mum1	**5.59232**	86795
chr1	107422689	107452689	Serpinb7	**8.2978**	65380
chr8	83666640	83669761	Ptger1	**6.46297**	46956
chr7	44991222	44997579	Bcl2l12	**4.80346**	17971
chr5	138085084	138107822	Zkscan1	**4.75942**	164171
chr12	72073428	72085313	L3hypdh	**4.26955**	30396
chr17	80224489	80228497	Gemin6	**3.58465**	16255
chr11	23862646	23895270	Papolg	**5.07844**	79816
chr11	106988629	106999525	Kpna2	**3.93927**	33522
chr14	56668248	56695748	Mphosph8	**4.56412**	48692
chr14	99076634	99098840	Dis3	**4.11084**	58309
chr17	56111601	56117548	Plin5	**1.65148**	13364
chr1	86303221	86307305	B3gnt7	**6.97451**	75572
chr19	47033619	47050845	Pcgf6	**3.791**	33210
chr1	58430993	58445486	Ppil3	**5.78704**	47482
chr14	46383607	46390599	Bmp4	**4.03481**	32128
chr7	19119859	19138261	Fbxo46	**4.81853**	59595
chr5	86012025	86065583	Cenpc1	**4.24923**	56617
chr8	124897886	124903813	Sprtn	**4.49726**	39735
chr6	87788853	87812164	Rab43	**5.42578**	110581
chr7	35397093	35438684	Cep89	**4.84441**	51925
chr1	58522806	58586333	Fam126b	**3.65225**	132599
chr12	69690436	69724874	L2hgdh	**3.58283**	49937
chr9	45766946	45828638	Cep164	**4.14764**	95044
chr4	41518929	41569527	Fam219a	**2.87254**	25296
chr5	92683435	92965759	Shroom3	**5.6262**	178964
chr6	37870811	37968445	Trim24	**6.06094**	162854
chr4	144777204	144786583	Gm438	**2.5165**	15047
chr11	120090522	120098731	Enthd2	**4.45141**	51653
chr5	65131231	65168142	Klhl5	**5.10444**	72637
chr14	55540266	55550017	Pck2	**5.43132**	77107
chr5	105699969	105815215	Lrrc8d	**4.31718**	75693
chr2	180176373	180225859	Lama5	**5.99843**	285230
chr11	98937696	98974942	Rara	**4.90213**	84557
chr9	111271845	111279091	Epm2aip1	**3.94518**	119381
chr6	142350342	142387087	Recql	**4.0216**	62081
chr6	115774557	115805513	Cand2	**3.46605**	78311
chr12	101645446	101718523	Tc2n	**4.00354**	63641
chr2	59899363	60125740	Baz2b	**5.22602**	174134
chr6	83078390	83080855	Pcgf1	**4.76298**	17382
chr7	59307924	59324149	C230091D08Rik	**3.9427**	61044
chr8	111094745	111135144	Pdpr	**4.01172**	45546
chr11	98203305	98253540	Cdk12	**5.05977**	162024

chr12	111540946	111541066	Snora28	**3.55081**	1794
chr17	28328471	28331033	Rpl10a	**4.36942**	15143
chr4	117019408	117086852	Eif2b3	**4.14168**	69555
chr8	72814599	73352556	Large	**5.08696**	77932
chr7	101108775	101284405	Fchsd2	**5.04262**	92876
chr13	55539316	55571120	Fam193b	**5.32382**	96499
chr9	44295673	44305671	Hinfp	**4.42512**	38802
chr14	61339763	61360445	Ebpl	**3.10347**	26915
chr9	52111985	52168111	Zc3h12c	**5.01324**	125932
chr2	104095801	104115410	Cd59a	**4.37178**	34081
chr1	84839841	84900486	Fbxo36	**3.69243**	13876
chr6	71812997	71823784	Mrpl35	**4.32524**	66732
chr9	57412660	57440114	Ppcdc	**4.42864**	50945
chr16	4544661	4559720	Tfap4	**3.88717**	34296
chr5	24862735	25100642	Prkag2	**4.53503**	65462
chr7	35772346	35801528	Zfp507	**4.52442**	123439
chr1	161040613	161070632	Dars2	**3.67985**	55023
chr4	130792537	130826318	Sdc3	**3.60764**	74897
chr2	172356190	172370570	Aurka	**4.31157**	35556
chr8	36216064	36249516	Lonrf1	**5.81117**	95360
chr1	139422383	139453007	Zbtb41	**3.88491**	135644
chr11	26476554	26593920	Vrk2	**5.17706**	32555
chr2	180070593	180085902	Mtg2	**4.85538**	34445
chr4	139962173	139968026	Klhdc7a	**6.17168**	148409
chr5	137294669	137295664	Ufsp1	**3.23843**	13468
chr3	85574129	85654470	Gatb	**4.58771**	44193
chr11	78180936	78183584	Rpl23a	**3.30233**	7708
chr11	23741729	23770970	Rel	**5.17316**	55816
chr4	155654470	155669254	Mib2	**5.48798**	91798
chr8	79266424	79294956	Mmaa	**5.71798**	67878
chr16	37539894	37572385	Rabl3	**3.97601**	33569
chr3	92944486	92945730	Lce3c	**5.69005**	13400
chr5	28317189	28419242	Rbm33	**3.82715**	151829
chr9	114404521	114411201	Tmppe	**3.97364**	110851
chr2	154436484	154539356	Cbfa2t2	**4.64625**	117955
chr19	38930990	38968277	Hells	**3.59039**	45260
chr10	45289305	45318450	Popdc3	**6.00281**	46395
chr6	65042667	65116049	Smarcad1	**4.70734**	100204
chr12	73280410	73286711	Trmt5	**3.88754**	27092
chr7	123123885	123195296	Tnrc6a	**5.4602**	193314
chr12	51875873	51971321	Heatr5a	**5.09915**	165244
chrX	140456603	140476140	Prps1	**2.93453**	24200
chr15	93283833	93336935	Yaf2	**4.33864**	41993
chrX	107782752	107816334	2610002M06Rik	**4.65805**	113606
chr2	51924449	51935009	Rbm43	**5.8427**	52574
chr17	31494322	31512487	Wdr4	**4.46993**	72604
chr5	123142193	123168630	Setd1b	**4.6793**	173072

chr6	120509494	120531299	Cecr5	**4.14315**	33008
chr1	179961089	180165237	Cdc42bpa	**4.22757**	146355
chr17	36958592	36965623	Znrd1as	**5.41638**	22096
chr13	23703841	23710811	Hfe	**4.37705**	31472
chr2	127138769	127143457	Itpripl1	**3.77983**	59280
chr10	128958285	128960988	Mettl7b	**1.70925**	8700
chr15	76852141	76871435	Zfp251	**4.66633**	68273
chr1	131254602	131279563	Ikbke	**3.96496**	53028
chr3	51388413	51396547	Mgarp	**6.57387**	39225
chr5	57718021	58132240	Pcdh7	**4.68398**	177841
chr8	3515384	3544267	Pnpla6	**4.03615**	75788
chr5	138755081	138810063	Fam20c	**5.00785**	62752
chr5	72647796	72671078	Nipal1	**3.82509**	67161
chr2	92184182	92364666	Phf21a	**4.52418**	130573
chr12	3426857	3506849	Asxl2	**4.24279**	160027
chr18	23954688	23964670	Zfp397	**4.33006**	99188
chr11	32232703	32267707	Nprl3	**4.08058**	42017
chr19	4195420	4201603	Rad9a	**4.20069**	31993
chr11	115892595	115933492	Recql5	**4.30009**	71569
chrX	150806421	150814339	Maged2	**4.72449**	43676
chr19	8774468	8786417	Taf6l	**3.19548**	19347
chr10	79736125	79746581	Polrmt	**4.60127**	72278
chr15	98543211	98567636	Ccnt1	**4.04566**	35897
chr15	81663889	81688315	L3mbtl2	**3.32209**	46830
chr17	21567046	21588682	Zfp948	**3.63959**	39467
chr11	76904545	76916586	Tmigd1	**5.82161**	33205
chr10	81621786	81627608	Sirt6	**4.65954**	41519
chr15	39094191	39112716	Slc25a32	**4.25474**	52320
chr15	93239742	93275084	Gxylt1	**3.93361**	107320
chr3	54361107	54391041	Postn	**5.79984**	79796
chr6	129485247	129507165	Olr1	**1.66383**	24795
chr16	13256481	13417529	Mkl2	**4.38581**	164579
chr10	122678762	122945793	Ppm1h	**4.29683**	112780
chr16	15889546	16146851	Spidr	**4.40575**	54453
chr2	25926838	25983282	Camsap1	**5.26463**	177487
chr3	100825459	100896922	Vtcn1	**5.60458**	61360
chr5	106616741	106696830	Zfp644	**4.6801**	111193
chr2	30472641	30474199	Ier5l	**5.70693**	37150
chr10	80540926	80561560	Rexo1	**4.21444**	92369
chr2	180258539	180273465	Cables2	**4.98964**	61357
chr7	35276544	35318440	Gpatch1	**4.63064**	59108
chr2	121492681	121506656	Mfap1a	**4.63825**	66216
chr11	67532998	67688992	Gas7	**3.55176**	109330
chr12	64965742	65022573	Fam179b	**5.01164**	134639
chr15	35371546	35931229	Vps13b	**3.92088**	218906
chrX	152144268	152225237	Iqsec2	**5.11322**	132372
chr16	17146967	17148857	Ydjc	**5.43954**	29981

chr14	70180468	70207671	Sorbs3	**5.36799**	77396
chr7	112225836	112353975	Mical2	**3.96326**	60899
chr11	69070809	69073293	Tmem107	**4.66997**	20260
chr2	121142093	121156680	Adal	**3.3583**	34706
chr8	123232258	123236209	Spata2l	**3.21403**	31457
chrX	157698973	157752591	Smpx	**4.78941**	22578
chr17	34894559	34896844	Zbtb12	**5.16466**	39572
chr15	39870603	39943757	Lrp12	**3.84165**	65190
chr3	50364936	50443613	Slc7a11	**2.98709**	115085
chr14	41172212	41185198	Sftpd	**4.37334**	24214
chr10	42312585	42478565	Lace1	**4.09204**	42938
chr2	129364580	129371120	Il1b	**2.66978**	14793
chr11	80136678	80142153	Tefm	**4.72135**	25372
chr1	36511876	36528237	Cnnm3	**3.9379**	86867
chr11	100766332	100770957	Ghdc	**4.52287**	40830
chr14	62837690	62956886	Wdfy2	**5.02306**	39305
chr2	154376314	154408084	Snta1	**2.8987**	25599
chr2	127103810	127133954	Ncaph	**3.74119**	42084
chr6	86527330	86564449	1600020E01Rik	**5.38909**	15324
chr13	64133057	64153199	Zfp367	**4.11836**	60015
chr19	29714402	29806009	9930021J03Rik	**4.4089**	147754
chr3	93197273	93221376	Flg2	**5.09192**	163096
chr7	137375569	137410756	9430038I01Rik	**5.77355**	27121
chr11	60728398	60732951	Mief2	**3.30246**	34777
chr5	92006074	92043042	Cdkl2	**3.40171**	64997
chr6	29398926	29426995	Ccdc136	**3.983**	58059
chr11	98152155	98193293	Med1	**4.25221**	134744
chr4	141368192	141384174	Fam131c	**5.64741**	34428
chr4	130047840	130099277	Col16a1	**3.96159**	86116
chr11	62281473	62316424	Ttc19	**3.7041**	52880
chr10	41476314	41487030	Mical1	**3.29918**	49083
chr1	191821473	191833049	Nek2	**3.82572**	51070
chr9	106440051	106447678	Abhd14a	**4.89532**	26777
chr7	44501699	44524669	Mybpc2	**2.92373**	44242
chr13	73260497	73269620	Irx4	**3.00897**	32679
chr7	142201364	142203015	Krtap5-3	**2.40985**	16623
chr17	83215283	83225069	Pkdcc	**2.65227**	27177
chr11	83437694	83441232	1700020L24Rik	**4.43638**	17246
chr2	131170261	131174810	Spef1	**3.57471**	33793
chr15	5233399	5244187	Ptger4	**4.56567**	63426
chr17	35194507	35196305	Ltb	**4.08032**	18656
chr8	125418063	125492710	Sipa1l2	**4.20753**	111824
chr7	25228931	25230264	9130221H12Rik	**4.62755**	20018
chr16	72663149	73046100	Robo1	**3.85544**	121833
chr9	58129088	58153997	Stra6	**2.98095**	45332
chr11	5896637	5898782	Myl7	**6.26575**	15436
chr7	24370263	24385212	Kcnn4	**5.77037**	49080

chrX	8061171	8074760	Suv39h1	**4.06059**	56189
chr13	116854824	117025516	Parp8	**4.11657**	53079
chr1	180227004	180256300	Psen2	**4.65894**	40541
chr2	118814003	118836212	Knstrn	**5.39747**	70271
chr11	62248984	62266452	Adora2b	**3.81797**	29397
chr5	137518880	137527935	Gigyf1	**4.66498**	105925
chr1	131285251	131527361	Srgap2	**5.06927**	170181
chrX	100590154	100594869	P2ry4	**1.84323**	34126
chr18	65580230	65689436	Zfp532	**4.59779**	105513
chr7	19140217	19149196	Qpctl	**3.65875**	32082
chr3	94955015	94961561	Rfx5	**4.51432**	78961
chr5	29735937	29786478	Dnajb6	**4.91274**	80022
chr18	77633281	77714010	8030462N17Rik	**4.64339**	66270
chr5	131437682	132542343	Auts2	**4.81414**	121795
chr2	30091020	30093635	Zdhhc12	**5.06938**	23665
chr1	58973571	58995121	Stradb	**5.58314**	54015
chr17	80292325	80297476	Morn2	**4.30901**	9374
chr4	3574879	3616623	Tgs1	**4.65057**	84024
chr4	108814295	108833584	Btf3l4	**4.69206**	60950
chr10	79755119	79756961	Fgf22	**5.00483**	10219
chr16	59613321	59639339	Arl6	**5.53008**	34544
chrX	52272427	52613974	Gpc3	**5.54315**	52494
chr8	90828835	91054508	Chd9	**4.05056**	194789
chrX	99975606	100400760	Eda	**2.39289**	50837
chr11	67052670	67067440	Sco1	**4.86946**	87023
chr5	3583978	3596547	Rbm48	**3.64766**	27050
chr1	143999338	144004149	Rgs2	**4.43931**	55776
chr11	17211893	17235200	Wdr92	**4.47551**	64117
chr9	96196275	96323646	Tfdp2	**4.41598**	140966
chr7	141475236	141493135	Tspan4	**4.26659**	22750
chr3	97203662	97227364	Bcl9	**5.05409**	128773
chr12	9029997	9036394	Ttc32	**4.59417**	19183
chr2	121956093	122015326	Ctdspl2	**4.72752**	131171
chr15	74747856	74752979	Lynx1	**3.5951**	59325
chr14	65919395	65953744	Scara3	**5.1306**	72945
chr6	71909053	71979360	Polr1a	**3.43082**	87514
chr13	54575013	54581128	Arl10	**4.63261**	20272
chr9	32696042	32757820	Ets1	**4.29812**	90811
chr10	128270576	128292849	Stat2	**6.54252**	120037
chr5	146951573	146963797	Mtif3	**4.37629**	78904
chr5	100420842	100429535	5430416N02Rik	**5.67472**	14833
chr11	59197793	59202431	2610507I01Rik	**1.30521**	15832
chr8	11611581	11635757	Ankrd10	**5.7127**	112636
chr13	63511533	63565520	Ptch1	**3.84277**	69076
chr14	31001667	31012432	Glt8d1	**3.91358**	36637
chr11	6415870	6419810	Ppia	**4.89428**	15041
chr7	105604463	105633571	Trim3	**3.95486**	54115

chr14	87416583	87545508	Tdrd3	**4.54589**	116527
chr19	4496788	4498583	2010003K11Rik	**2.21637**	10800
chr7	56050155	56231798	Herc2	**4.01499**	257270
chr5	110361752	110448503	Fbrsl1	**4.24866**	87797
chr19	24999529	25202432	Dock8	**2.93474**	95704
chr15	37923953	37961055	Rrm2b	**5.05337**	95205
chr13	40001882	40288011	Ofcc1	**2.08016**	24459
chr5	144195347	144223578	Tecpr1	**4.22607**	73478
chr4	143107391	143212709	Prdm2	**4.76376**	229723
chr11	107933387	108343888	Prkca	**3.97546**	138922
chr6	149157577	149188712	Amn1	**4.80662**	20612
chr13	95325237	95337841	Zbed3	**5.08648**	40226
chr4	143412426	143421087	Pramef8	**4.64855**	75350
chr15	76723985	76818170	Arhgap39	**3.2566**	62374
chr17	21450352	21465589	Zfp51	**4.18373**	45385
chr4	138455148	138460126	Camk2n1	**4.64142**	70021
chr7	141839072	141873085	Muc5b	**5.3251**	332703
chr1	36530534	36535729	Ankrd23	**3.17945**	25941
chr9	43123939	43205755	Pou2f3	**5.02372**	52903
chr6	34945295	34977999	2010107G12Rik	**5.70196**	51379
chr7	104244457	104262236	Trim34a	**7.56116**	81455
chr4	49584506	49597870	Tmem246	**3.98979**	49695
chr15	72805600	72810324	Peg13	**4.07997**	80495
chr8	123332713	123369518	Spire2	**5.04595**	49155
chr10	111988800	111997264	Glipr1	**5.35801**	16399
chr15	3963564	3979573	Fbxo4	**5.19097**	74692
chr11	75440943	75454717	Wdr81	**3.95412**	114071
chr3	108383804	108388231	Psrc1	**4.38176**	32439
chr16	4084048	4213404	Crebbp	**4.74482**	148729
chr4	108459426	108559415	Zcchc11	**5.06809**	128114
chr16	32332252	32393747	Ubxn7	**4.72728**	203665
chr14	86656323	87141114	Diap3	**4.96461**	72886
chr1	161088378	161131479	Klhl20	**4.11389**	69346
chr7	73740307	73776919	Fam174b	**4.13163**	46200
chr10	85131700	85185054	Cry1	**4.05595**	51078
chr7	87427405	87493411	Tyr	**3.93839**	54383
chr7	92875253	92934581	Prcp	**3.78912**	46895
chr18	61799393	61911852	Ablim3	**5.33308**	93861
chr4	107134162	107178366	Tceanc2	**4.52187**	117875
chr12	81860030	82000924	Pcnx	**3.86211**	195757
chr10	79927043	79955018	Arid3a	**3.24663**	73489
chr4	124802549	124849484	Mtf1	**3.71508**	113473
chr16	28826176	28929698	Mb21d2	**3.80861**	48981
chr6	86438398	86470387	C87436	**4.53944**	50381
chr13	92487749	92530810	Zfyve16	**3.64593**	82984
chr8	95326136	95331950	Zfp319	**4.60276**	78932
chr1	190772879	190911770	Rps6kc1	**3.25169**	54242

chr2	77410627	77816816	Zfp385b	**1.68906**	25834
chr11	74906359	74925798	Srr	**3.87769**	41126
chrX	23693117	23806001	Wdr44	**4.59938**	78970
chr7	122038821	122067063	Ears2	**3.61871**	27893
chr14	21750531	21798725	Samd8	**4.17383**	121943
chr15	32920723	33034721	Sdc2	**4.17133**	57704
chrX	141165403	141474076	Col4a6	**5.51407**	153064
chr7	110768206	110812408	Ampd3	**2.93614**	52362
chr18	37806410	37808977	Pcdhgc3	**3.7152**	39837
chr19	33137745	33392295	Rnls	**2.49518**	16972
chr8	66476346	66486507	Tma16	**3.19307**	14506
chr11	98626360	98638089	Gsdma3	**2.55139**	15735
chr19	4057487	4059294	BC021614	**3.06762**	8646
chr3	135436221	135438665	4930539J05Rik	**4.7092**	9812
chr4	59003193	59023398	Dnajc25	**3.66958**	27994
chr9	45838529	45862484	Bace1	**3.68825**	64589
chr2	144527745	144541779	Polr3f	**4.15046**	72094
chr10	92684745	92722418	Nedd1	**4.10566**	60567
chr4	43002337	43010301	Fancg	**2.71604**	30643
chr17	88626555	88645724	Ston1	**3.9942**	49750
chr13	70588689	70637634	Ice1	**4.60161**	147468
chr13	52583437	52648792	Syk	**5.32764**	117279
chr6	83305704	83317604	Mthfd2	**2.63522**	22777
chr13	17695413	17699105	Mplkip	**4.39026**	48982
chr11	70669463	70688105	Camta2	**3.4431**	66593
chr9	97077011	97111041	Slc25a36	**5.02416**	64215
chr17	35517116	35531015	Cchcr1	**5.02167**	55754
chr6	30047988	30153458	Nrf1	**4.58975**	102377
chr14	78849178	79202310	Vwa8	**3.49148**	104894
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chr6	71213940	71262281	Smyd1	**2.17445**	30516
chr7	127712736	127718185	Ctf1	**3.85246**	23003
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chr3	90385233	90389927	Slc27a3	**5.57545**	52730
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chr2	91710950	91721566	Harbi1	**4.25922**	40922

chr14	66297130	66311424	Trim35	**3.82122**	57105
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chr17	32993139	33005457	Zfp952	**4.78028**	60040
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chr1	151367699	151428435	Swt1	**4.66107**	71388
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chr11	17938749	17953875	Etaa1	**4.24977**	74387
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chr16	36934983	36963214	Hcls1	**4.50963**	37999
chr19	8725866	8725991	Snord22	**3.38899**	1783
chr10	127801153	127815839	Rdh16	**5.79259**	77592
chr11	101665541	101667832	Arl4d	**3.69098**	21299
chr19	45552276	45560543	Poll	**4.18049**	40759
chr11	121356121	121388251	Rab40b	**3.36174**	26179
chr2	73283872	73312592	Cir1	**4.36773**	35472
chr6	99625137	99666771	Eif4e3	**4.56787**	47931
chr8	26158169	26164151	Thap1	**4.89114**	46299
chr7	131388649	131410478	Ikzf5	**4.5505**	83413
chr7	55794148	55831447	Tubgcp5	**4.07168**	62582
chr2	25842997	25847248	Sohlh1	**1.6556**	8897
chr5	109554709	109558993	Crlf2	**3.91357**	22224
chr9	65214690	65239219	Parp16	**2.65804**	27558
chr18	36348624	36393370	Cystm1	**3.47565**	8635
chr2	119763959	119787537	Rpap1	**3.77028**	75912
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chr4	118362745	118409263	Szt2	**2.87617**	131540
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chr2	32236683	32255001	Pomt1	**3.4382**	40499
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chr14	59347407	59365490	Phf11d	**7.45972**	83664
chr9	65909010	66045014	Csnk1g1	**4.21362**	126378
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chr2	74514837	74578948	Lnp	**2.90935**	106599
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chr10	13207717	13474396	Phactr2	**6.00835**	223609

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chr12	31265294	31329639	Lamb1	**1.97537**	47658
chr16	48994188	49019705	C330027C09Rik	**3.93799**	65345
chr17	36258873	36272004	Trim39	**4.10891**	54593
chr5	69556942	69573630	Guf1	**3.32543**	55236
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chr12	3806980	3914443	Dnmt3a	**3.62317**	150484
chr2	91202912	91214098	Acp2	**3.36273**	56319
chr4	147860778	147868719	Miip	**5.10264**	38628
chr17	24528251	24528744	Rab26os	**3.87976**	4779
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chr5	48372392	48388756	Pacrgl	**3.39247**	20738
chr12	108554720	108686465	Evl	**2.78298**	25681
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chr11	77216425	77460219	Ssh2	**5.08186**	197616
chr17	24961226	25015230	Cramp1l	**4.04791**	127087
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chrX	8238668	8252406	Ftsj1	**3.99752**	57169
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chr5	150259930	150497753	Fry	**3.41835**	153153
chr1	57774861	57948397	Spats2l	**4.4514**	75184
chr5	17574816	17730267	Sema3c	**3.85574**	79774
chr11	106156256	106160142	Limd2	**4.61082**	56795
chr13	12395375	12438893	Heatr1	**3.01397**	85275
chrX	166440825	166452543	Trappc2	**4.03723**	12896
chr10	128669887	128673918	Suox	**4.44471**	43595
chr9	50895344	51009073	Sik2	**4.5138**	55845
chr2	26397122	26409219	Inpp5e	**4.05106**	55702
chr5	136147461	136170656	Orai2	**3.21599**	51686
chr11	53567369	53604246	Kif3a	**3.67204**	83563
chr1	187215511	187351429	Gpatch2	**3.77658**	71734
chr4	119225138	119232724	AU022252	**3.50591**	27331
chr16	88707171	88707962	2310061N02Rik	**2.99364**	9900
chr10	61715263	61738646	Aifm2	**4.67129**	30974
chr2	72979432	72989249	Sp3os	**3.56169**	15437
chr8	106150399	106164715	Pla2g15	**4.39519**	49661
chr17	23776918	23786077	Flywch2	**4.22069**	12125
chr5	35556209	35575070	Trmt44	**2.95915**	46755
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chr8	34829179	34965690	Tnks	**3.41212**	91810
chr1	143750791	143777051	Trove2	**4.37742**	159384
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chr15	93499114	93595891	Prickle1	**4.66923**	79643

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chr6	4505697	4541543	Col1a2	**3.04899**	65476
chr7	140863732	140882309	Sirt3	**3.98548**	25062
chr9	110305192	110322102	Elp6	**2.91497**	25122
chr2	130707853	130840110	4930402H24Rik	**4.11387**	85046
chr8	106935750	107014192	Sntb2	**4.39147**	81103
chrX	101274091	101298934	Med12	**4.25502**	150077
chr10	23796986	23827968	Slc18b1	**4.54629**	53855
chr4	117251951	117268588	Tmem53	**3.24235**	16368
chr10	75406911	75441679	Upb1	**5.24889**	66671
chr7	142460812	142494868	Lsp1	**5.31403**	57824
chr2	130613838	130616705	Fastkd5	**4.35561**	52160
chr4	43567061	43578734	Gba2	**3.6947**	50478
chr5	149265058	149288047	Alox5ap	**3.61341**	12885
chr18	38327537	38338993	Gnpda1	**3.65464**	35098
chr12	108206345	108275417	Ccdc85c	**4.56443**	29484
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chr19	4270180	4283137	Ankrd13d	**4.1472**	37075
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chr10	62185396	62231218	Tspan15	**5.49123**	82658
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chr18	23752333	23893861	Mapre2	**3.60094**	65150
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chr13	100017994	100104070	Bdp1	**3.79148**	157063
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chr17	34122832	34139101	H2-DMa	**4.21161**	29157
chr1	169972397	170088944	Ddr2	**4.86019**	166409
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chr11	63962627	64079472	Cox10	**3.31189**	40394
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chr11	40701388	40733437	Hmmr	**3.44509**	56303
chr11	70984091	71004432	Dhx33	**3.48828**	75434
chr12	79232347	79296282	Zfyve26	**2.78258**	108844
chr15	98669205	98677461	Rnd1	**1.69894**	15628
chr5	122158279	122175269	Ppp1cc	**3.83378**	38083
chr4	124657646	124660655	Pou3f1	**3.29257**	41382
chr15	89582527	89591923	Rabl2	**3.85398**	26488
chr1	57955101	57970084	Kctd18	**3.9938**	45576
chr17	69383978	69390544	Zbtb14	**4.12429**	61393
chr9	30899155	30922452	Adamts15	**1.70193**	42127
chr13	63815320	63900301	Ercc6l2	**3.95169**	99728
chr16	92498147	92541241	Clic6	**5.83296**	91163

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chr10	4367074	4388108	Zbtb2	**4.17785**	56294
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chr9	108290457	108296496	Nicn1	**3.49284**	30671
chr7	27258761	27282150	Numbl	**3.93904**	44951
chr8	111003186	111031751	Ddx19b	**3.52762**	99425
chr11	26387084	26471883	Fancl	**4.3057**	25116
chr17	78752906	78835381	Heatr5b	**3.25053**	87367
chr9	122945089	122951000	1110059G10Rik	**3.60933**	50653
chr8	129216354	129234046	2610044O15Rik8	**4.71634**	34975
chr2	80617214	80631661	Dusp19	**5.30417**	32402
chr13	74480057	74493950	Zfp825	**3.55272**	20516
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chr11	82764345	82767622	Zfp830	**5.08463**	69595
chr18	53681723	53744547	Cep120	**4.1778**	79442
chr12	55836366	55869735	Brms1l	**3.65323**	39142
chr11	116030316	116061214	Unk	**3.88942**	60755
chr18	61730262	61786662	Afap1l1	**4.60207**	65392
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chr4	107367784	107414338	Ndc1	**2.4308**	26146
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chr11	54902854	54910382	Gpx3	**4.38221**	27758
chr3	96161970	96171718	Mtmr11	**4.12424**	48425
chr12	55045661	55080110	2700097O09Rik	**3.84054**	19035
chr7	90302355	90410719	Sytl2	**4.3128**	97136
chr6	82041628	82093099	Eva1a	**5.6038**	41369
chr12	112620047	112641355	Adssl1	**2.89743**	21668
chr2	105700109	105904500	Elp4	**3.46508**	56456
chr2	29060263	29087650	Ttf1	**4.33818**	75228
chr5	130073326	130135733	Tpst1	**3.7445**	33819
chr7	80993684	81045162	Zfp592	**4.3338**	131955
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chr13	111686178	111718594	Mier3	**4.71504**	103892
chr3	53463817	53481755	Proser1	**3.39384**	61233
chr4	62408783	62426990	Prpf4	**3.46355**	75738
chr4	33310311	33502610	Rngtt	**3.76843**	65348
chr14	21499770	21672478	Kat6b	**3.96814**	121567
chr9	106194953	106199233	Ppm1m	**3.47286**	30017
chr3	62338777	62462221	Arhgef26	**4.36307**	94825
chr8	107069402	107096545	Terf2	**4.44309**	73040
chr8	109593248	109608673	Dhodh	**3.63897**	35221

chr2	90885786	90890526	C1qtnf4	**4.14785**	23641
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chr9	44067021	44095627	Usp2	**3.64326**	66722
chr11	50174851	50200115	3010026O09Rik	**3.30267**	15721
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chr11	84078920	84129568	Tada2a	**3.86679**	34213
chr6	39381428	39390379	Rab19	**6.63814**	36615
chr1	184896424	184999549	Mark1	**2.70896**	51636
chr11	55049738	55078131	Ccdc69	**3.08807**	18297
chr2	101950201	102186460	Ldlrad3	**3.45457**	56357
chr8	107293470	107379517	Nfat5	**4.45168**	249879
chr7	29768552	29781419	Zfp84	**4.09983**	97766
chr8	72494559	72548310	Med26	**3.98112**	50518
chr14	49066668	49087723	Ap5m1	**4.00204**	49998
chr1	40465552	40500854	Il18r1	**5.58798**	111507
chr12	80463095	80498135	Exd2	**4.07546**	56548
chr11	84880220	84910954	Myo19	**3.72799**	57424
chr11	78567168	78697425	Nlk	**4.103**	77026
chr7	102082147	102083018	Xntrpc	**3.34024**	4756
chr15	56665627	56694546	Has2	**5.34917**	90727
chr19	34290659	34327770	Fas	**3.88027**	29180
chr11	69183885	69197843	Alox8	**2.11957**	28967
chr14	33377899	33447158	Mapk8	**4.18222**	100499
chr11	78032313	78037864	Dhrs13	**3.83296**	27912
chr10	61319657	61383523	Pald1	**2.99476**	53445
chr3	9687482	9833679	Pag1	**2.94505**	101488
chr8	10924427	10928457	3930402G23Rik	**2.23298**	26545
chr2	23510054	23572104	Spopl	**3.63846**	43420
chr7	80343137	80346097	Hddc3	**2.98557**	10721
chr17	24696234	24700529	Noxo1	**3.36529**	31448
chr11	77470487	77489678	Ankrd13b	**3.98758**	55545
chr19	40894790	40917947	Zfp518a	**3.79545**	107053
chr9	55220222	55283625	Nrg4	**1.87733**	13812
chr3	97689829	97888707	Pde4dip	**4.26719**	228708
chr12	111678105	111683902	Trmt61a	**3.4955**	31103
chr2	126628907	126676337	Gabpb1	**3.40193**	80172
chrX	49009707	49288242	Enox2	**4.01174**	66619
chr8	71922825	71934630	Zfp617	**3.62219**	44587
chr18	49832997	49965473	Dmxl1	**3.94756**	201275
chr8	27123832	27128632	Brf2	**3.14854**	18182
chr2	173206612	173218922	Zbp1	**13.71549**	123816
chr19	5940543	5964206	Pola2	**3.49664**	41932
chr10	80339793	80348448	Adamtsl5	**4.64651**	68992
chr16	3905798	3908689	1700037C18Rik	**3.6022**	16500
chr14	110748578	110755149	Slitrk6	**4.99533**	88480
chrX	50555744	50635258	Firre	**4.18528**	114728
chr2	73341506	73386480	Gpr155	**2.98147**	61860

chr7	27656375	27674581	Map3k10	**4.31496**	66105
chr13	58233351	58274188	Gkap1	**2.98891**	18945
chr7	28385247	28392690	Med29	**3.68254**	33244
chr8	46169556	46195590	Cfap97	**3.93358**	74289
chr12	112808975	112816245	BC022687	**3.49132**	27917
chr1	162533672	162548345	Mettl13	**4.00955**	46710
chr17	21535539	21562601	Zfp52	**4.24916**	56137
chr17	31612623	31637205	Cbs	**3.23079**	33766
chr12	104237796	104241934	Serpina3g	**3.10393**	24275
chr14	60634729	60764556	Spata13	**2.67516**	83966
chr4	155989466	155992678	B3galt6	**3.81867**	51231
chr1	191170297	191183333	Atf3	**5.57751**	46019
chr6	8259288	8428765	Gm16039	**3.46226**	31400
chr7	143107254	143427042	Kcnq1	**4.16277**	50546
chr16	52031549	52208046	Cblb	**4.3543**	114943
chr7	127607035	127614433	Zfp629	**4.60473**	117593
chr12	100125450	100159653	Nrde2	**3.77368**	58695
chr9	37613847	37648318	Siae	**4.3174**	61888
chr19	38395980	38405607	Slc35g1	**3.0081**	43597
chr3	18054325	18057514	Bhlhe22	**5.21416**	69452
chr16	88505807	88506978	Cldn17	**4.60612**	22541
chr9	106688080	106789213	Rad54l2	**3.47484**	135313
chr3	106684987	106736576	Lrif1	**4.03666**	63645
chr18	24708623	25133507	Fhod3	**2.71666**	70749
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chr19	4793672	4794009	Rbm4	**3.38264**	4774
chr2	11471431	11553929	Pfkfb3	**5.92121**	130642
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chr14	118787871	118874525	Cldn10	**4.08162**	24644
chr1	38863873	38898160	Chst10	**6.23937**	81258
chr1	44106546	44118773	Kdelc1	**3.58732**	34811
chr5	142463931	142478715	Ap5z1	**3.82534**	60968
chr16	95992092	96082428	Brwd1	**3.50959**	164744
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chr3	90213715	90226387	Rab13	**4.24761**	29016
chr15	75969185	75975865	Zfp707	**5.54747**	42065
chr5	64160260	64351486	Tbc1d1	**3.73567**	86680
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chr14	50824061	50870554	Tep1	**4.29101**	146258
chr9	35559466	35567400	Pus3	**3.6795**	30912
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chr11	84813061	84819515	Mrm1	**3.95601**	40916
chr11	76243736	76250622	Rnmtl1	**3.30826**	20610
chr13	35978797	36117357	Lyrm4	**3.66762**	23201
chr1	33453808	33669794	Prim2	**2.78227**	22956
chr17	35655635	35667592	Vars2	**3.31888**	61308
chr4	133574745	133584242	Gpatch3	**3.05982**	25591
chr4	148140490	148145696	Mad2l2	**4.0154**	20522
chr13	23621777	23622558	Hist1h1e	**1.71503**	5600
chr6	90659598	90810123	Iqsec1	**2.93848**	83581
chr6	84571414	84593908	Cyp26b1	**3.54566**	71730
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chr8	13952008	13974777	Tdrp	**5.34612**	54981
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chr13	63301199	63301283	Mir3074-1	**4.86027**	345
chr5	125414404	125434048	Dhx37	**2.91959**	50482
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chr18	68337603	68339711	Mc5r	**1.75723**	8526
chr18	11839378	11945627	Cables1	**3.58245**	47284
chr4	155601416	155623340	Slc35e2	**3.1682**	77045
chr5	27740081	27791550	Paxip1	**3.1242**	76301
chr7	128129568	128150657	Itgax	**2.85843**	48040
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chr1	156558787	156649619	Abl2	**3.82024**	170904
chr5	77265494	77283697	Rest	**3.94863**	70336
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chr7	43296523	43313261	Zfp715	**3.5978**	62945
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chr8	70754679	70758648	Rab3a	**3.74593**	22101
chr13	68582248	68592279	Fastkd3	**2.78447**	27462
chr11	3289131	3308999	Patz1	**4.21091**	59746
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chr19	23206441	23273897	Smc5	**3.27987**	80363

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chr5	123076275	123117445	Tmem120b	**2.59411**	20147
chr2	3341988	3366569	Olah	**2.62504**	16529
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chr4	24898083	24905001	Ndufaf4	**3.14517**	47698
chr19	10550461	10556238	Tmem216	**4.18802**	20390
chr14	122890860	122913165	Ggact	**4.06936**	18334
chr13	67515782	67526231	Zfp87	**3.46189**	39159
chr5	113735782	113740607	Ficd	**2.78791**	36797
chr4	134244320	134245873	E130218I03Rik	**3.7782**	10491
chr14	78492246	78536860	Akap11	**3.21035**	126220
chr1	9548046	9577968	Adhfe1	**1.60583**	20719
chr10	77032739	77050432	Slc19a1	**3.39968**	33927
chr1	63047801	63114267	Ino80d	**3.7193**	210105
chr13	107724617	107890064	Zswim6	**4.05187**	92325
chr18	32528320	32560034	Gypc	**3.79674**	34592
chr9	103112074	103185270	Rab6b	**2.29839**	45432
chr7	143501548	143502524	Phlda2	**4.17892**	12860
chr5	31624439	31697610	Rbks	**3.62041**	15495
chr1	170298193	170306332	Gm7694	**4.71042**	75389
chr10	127739538	127747339	Zbtb39	**3.56758**	88634
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chr17	23726336	23735720	Pkmyt1	**3.14697**	22680
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chr18	24484962	24530204	Rprd1a	**3.36587**	60391
chr10	41188172	41303241	Fig4	**3.16601**	43136
chr2	113831492	113848661	Arhgap11a	**3.83802**	80401
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chr13	55325273	55329730	Mxd3	**3.52658**	17582
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chr16	97947435	97962621	Zbtb21	**3.15766**	71330
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chr15	75882934	75888723	Mroh6	**2.09903**	29554
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chr7	28741968	28753879	Sars2	**2.91678**	23262
chr15	25363277	25413764	Basp1	**2.72194**	21083
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chr9	53911460	53975301	Elmod1	**4.01022**	43620
chr14	105106728	105114518	Gm17066	**3.00818**	44377
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chr8	104926260	104934672	Ces2e	**5.68551**	47646
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chr6	52768068	53068624	Jazf1	**1.57927**	20429
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chr17	25717172	25719029	Gng13	**4.45833**	6348
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chr9	86467154	86555806	Dopey1	**3.42483**	110628
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chr17	6430112	6436295	Dynlt1b	**2.79116**	8974
chr2	168476410	168601657	Nfatc2	**2.98173**	97747
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chr7	97081751	97308951	Gab2	**1.89496**	47538
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chr2	112492964	112631253	Aven	**2.47475**	15717
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chr15	76538943	76542130	Slc52a2	**2.94575**	33210
chr2	25054379	25062881	Nsmf	**3.64811**	44769
chr4	156203284	156206028	AW011738	**4.33911**	49734
chr18	32377217	32435740	Bin1	**3.97127**	40709
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chr17	80238304	80290476	Dhx57	**3.16786**	65489
chr15	76101488	76120195	Eppk1	**3.26952**	162171
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chr14	8431172	8666290	4930452B06Rik	**5.41585**	62211
chr8	70220193	70234225	Armc6	**3.17694**	26544
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chr19	55741810	55933655	Tcf7l2	**3.61147**	68658
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chr17	78835516	78848308	Gpatch11	**3.31599**	58250
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chr11	73019008	73042065	Camkk1	**3.85518**	55552
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chr5	137111286	137116207	Trim56	**4.52216**	68675
chr19	6341160	6355619	Map4k2	**3.43275**	66622
chr14	50807447	50807771	Rpph1	**8.25325**	11200
chr2	31974450	32053975	Nup214	**3.62116**	123910
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chr6	122453609	122486305	Rimklb	**6.4497**	108181
chr4	115828092	115836183	Mob3c	**4.35265**	52379
chr11	80183872	80199753	Rnf135	**3.71132**	30358
chr5	112343095	112378424	Hps4	**3.1707**	37679
chr4	99715630	99763460	Alg6	**4.11119**	53456
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chr17	35865595	35875596	Ppp1r18	**2.93607**	41511
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chr10	95174746	95324097	Cradd	**5.56288**	38326
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chr10	33926936	33951212	Zufsp	**3.08442**	30446
chr3	145118589	145153915	Odf2l	**3.05027**	32911
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chr7	5020376	5033223	Zfp865	**3.77337**	47740
chr3	51687613	52105006	Maml3	**3.08011**	83751
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chr14	64822218	64949847	Hmbox1	**3.06093**	37461
chr19	41829970	41832583	Frat1	**3.37111**	36795
chr11	83441876	83462961	Mmp28	**3.90327**	37665
chr11	95337018	95381872	Fam117a	**3.74173**	36200
chr12	110975353	110979021	Ankrd9	**3.06442**	32731
chr2	29346810	29524790	Med27	**2.48402**	25619
chr13	33661405	33671585	Serpinb6d	**13.82521**	84686
chr8	14911663	15001085	Arhgef10	**4.16238**	96077
chr11	51813456	51857481	Jade2	**4.12538**	105076
chr10	76032612	76042969	Zfp280b	**2.82943**	57583
chr19	38788128	38819237	Noc3l	**3.15916**	52461
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chr2	160946978	161109056	Chd6	**4.49733**	198096
chr17	28801126	28838789	Brpf3	**3.65564**	91173
chr7	4548614	4604041	Ptprh	**6.04919**	101539
chr1	152370736	152386682	Tsen15	**3.98461**	18834
chr8	71708387	71725681	Fcho1	**4.49911**	59364
chr14	30951488	30987401	Nek4	**3.14136**	35599
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chr3	95218544	95228423	Mllt11	**3.30964**	29698
chr9	20965952	20976793	S1pr2	**3.95242**	46457
chr17	56999457	57000018	Pspn	**1.62339**	3213
chr2	181381235	181383628	Lime1	**3.73565**	30557
chr14	101442360	101609191	Tbc1d4	**3.34188**	92669
chr9	66350450	66508458	Herc1	**3.27391**	203851
chr18	32067734	32104331	Iws1	**3.32546**	133620
chr10	85102627	85117747	Tmem263	**2.3068**	36390
chr11	80360492	80378015	5730455P16Rik	**3.65335**	69195
chr8	123897123	123949265	Nup133	**3.1971**	77534
chr17	33908182	33909178	BC051226	**3.79965**	13327
chr6	149141513	149151170	Mettl20	**2.77867**	19608
chr4	116708930	116715104	Ccdc163	**4.18814**	21230
chr16	18780447	18811972	Cdc45	**2.69263**	23307
chr12	81492194	81532907	Synj2bp	**3.75346**	162964
chr4	3938888	3951382	Chchd7	**3.30156**	42267
chr13	32965513	32979037	Serpinb6b	**6.15038**	47741
chr12	3235791	3250374	Rab10os	**4.20083**	18558
chr7	35392288	35396767	C230052I12Rik	**3.24546**	22387
chr16	22813215	22857569	Tbccd1	**3.99043**	45021
chr3	104453983	104511856	Lrig2	**3.23169**	95969
chr8	104591468	104596849	Pdp2	**3.51391**	51324
chr3	146220961	146286214	Lpar3	**4.55168**	47400

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chr14	21845880	21848910	Comtd1	**2.71686**	25207
chr3	146450467	146465848	Ctbs	**3.15988**	35954
chrX	53669177	53670408	Cxx1b	**2.40269**	12360
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chr5	122643911	122691432	P2rx7	**4.13342**	95167
chr16	18429811	18479073	Txnrd2	**2.93357**	21583
chr7	16197221	16222032	Dhx34	**3.49747**	60036
chr1	87853287	87944489	Dgkd	**3.63283**	86372
chr18	12252357	12305720	Ankrd29	**4.16161**	56579
chr10	100572274	100589259	4930430F08Rik	**2.6296**	18040
chr17	3064318	3084183	Pisd-ps2	**3.06307**	18993
chr2	84765360	84775429	Serping1	**4.0857**	31049
chr7	96951527	97064757	Nars2	**2.46533**	38654
chr3	27416162	27710439	Fndc3b	**3.41764**	98109
chr7	121642021	121707253	Usp31	**3.30833**	140875
chr8	14027565	14090327	Erich1	**4.44189**	29286
chr2	154335386	154372719	Cdk5rap1	**4.91711**	40447
chr7	142296377	142297069	Krtap5-1	**2.47958**	7175
chr7	65644898	65692093	Tarsl2	**3.76011**	50147
chr16	18581704	18590671	Tbx1	**3.52553**	28691
chr4	34803110	34882948	Zfp292	**3.21783**	134052
chr11	101582242	101591785	Tmem106a	**4.36663**	41954
chr13	23418361	23423866	Abt1	**3.54991**	66050
chrX	71210767	71315295	Mtm1	**2.81198**	45463
chr8	25980604	25994121	Pomk	**3.1076**	46726
chr3	129914960	129970206	Ccdc109b	**5.38511**	29636
chr1	66719806	66817595	Kansl1l	**4.05397**	69267
chr6	113326976	113334123	Ogg1	**3.17148**	19599
chr10	25169090	25299163	Akap7	**2.50435**	32657
chr17	32685659	32703349	Cyp4f15	**4.17645**	37197
chr12	110850279	110869998	Zfp839	**3.34587**	52041
chr18	75367365	75395934	Smad7	**4.19107**	77717
chr8	71951066	71970333	Zfp961	**3.88403**	44080
chr19	5453163	5457563	Ccdc85b	**3.49852**	47418
chr10	81357570	81364023	Mfsd12	**3.49473**	24661
chr5	104459457	104505819	Pkd2	**3.65316**	79503
chr2	155059312	155074497	Ahcy	**3.16975**	33631
chr13	45507469	45546381	Gmpr	**3.53319**	22926
chr11	97050820	97068904	Osbpl7	**3.99731**	59002
chr4	83417744	83453340	Snapc3	**3.5213**	20364
chr2	44564412	44861622	Gtdc1	**3.15897**	33820
chr13	62453016	62466812	Zfp935	**3.60787**	37240
chr3	79062529	79145875	Rapgef2	**5.17258**	141317
chr9	83834689	83872390	Ttk	**2.34228**	30485
chr2	24002913	24049379	Hnmt	**3.13766**	21460
chr9	106432981	106438236	Acy1	**3.01915**	18229

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chrX	8154472	8176181	Tbc1d25	**3.01779**	33367
chr17	21008941	21028856	Zfp160	**3.28618**	52073
chr10	60346851	60372684	4632428N05Rik	**2.34708**	47492
chr17	46798116	46831413	Gltscr1l	**3.5852**	98488
chrX	106206874	106221158	Taf9b	**2.70547**	28479
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chr8	124890299	124897705	Exoc8	**3.5203**	108876
chr13	92355004	92389053	Dhfr	**2.68813**	56896
chr12	104763114	104865076	Clmn	**4.47948**	225254
chr11	69942286	69948190	Slc2a4	**3.04635**	35896
chrX	60223290	60403981	Atp11c	**2.99842**	75708
chr13	64432553	64439721	Cdk20	**3.06869**	23410
chr10	30603195	30606634	Gm20300	**3.65392**	52484
chr3	96577872	96594181	Polr3gl	**2.91015**	17340
chr4	56749680	56802328	Ikbkap	**3.0198**	77635
chr8	88647347	88688474	Nod2	**3.73313**	72031
chr2	119972699	120027403	Mapkbp1	**3.02232**	87543
chr3	132982551	133091740	Gstcd	**3.15491**	34501
chr11	78193392	78205763	Proca1	**1.85626**	11727
chrX	160502166	160598878	Phka2	**2.79027**	61190
chr8	123805996	123835291	Rab4a	**3.24263**	19118
chr19	40659794	40741602	Entpd1	**4.03872**	70777
chr1	52630705	52651919	Tmem194b	**4.05562**	57475
chr11	101260567	101277409	Wnk4	**2.59665**	44974
chrX	74026592	74085690	Mecp2	**3.46057**	152574
chr11	68901566	68901588	Rpl26	**2.83225**	272
chr2	120033433	120033506	Pla2g4b	**1.89004**	584
chr11	115187487	115247025	Tmem104	**2.52657**	48170
chr5	96210115	96266727	Mrpl1	**3.14353**	54971
chr11	101971144	101984791	Dusp3	**3.12735**	54884
chr11	105589986	105929303	Tanc2	**3.4112**	168914
chr11	94936270	94951856	Col1a1	**2.29627**	45045
chr9	8994953	9239013	Arhgap42	**3.85659**	87022
chr3	103914120	103964535	Rsbn1	**3.05416**	59198
chr13	9276525	9668926	Dip2c	**3.51961**	117922
chr2	75935850	75938462	Ttc30b	**2.80461**	30600
chr8	92827328	92853420	Mmp2	**2.64913**	33638
chr2	178411206	178414463	Ppp1r3d	**3.60913**	49098
chr11	78094673	78157339	Fam222b	**3.24763**	52669
chr3	88616207	88648052	Arhgef2	**3.10919**	62887
chr6	48395586	48419855	Krba1	**4.13026**	120808
chr6	87980421	87981482	H1fx	**2.79632**	12400
chr7	116331507	116334190	Rps13	**2.7344**	6645
chr11	119491347	119511465	Endov	**3.56918**	78644
chr19	5482840	5488336	Mus81	**3.43832**	28613
chr2	28641233	28691172	Tsc1	**3.05394**	98010

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chr17	57043711	57059863	Slc25a23	**2.85068**	40018
chr2	132690283	132751055	1110034G24Rik	**3.62868**	22288
chr11	75410029	75422623	Serpinf1	**2.79775**	17453
chr16	65815633	65863066	Vgll3	**4.13139**	57462
chr5	113817798	113830501	Selplg	**3.25521**	35394
chr7	44532744	44548815	Pold1	**3.80941**	54463
chr18	11052568	11085635	Gata6	**2.36887**	31019
chr8	60993193	61131346	Nek1	**2.86606**	67244
chr8	106011487	106053840	Dus2	**2.6887**	21342
chr1	169497934	169531464	Nuf2	**3.4205**	34349
chr18	60593990	60624305	Synpo	**3.38628**	100574
chr8	105844678	105852008	Cenpt	**2.94275**	21712
chrX	101264387	101268206	Il2rg	**3.11012**	20934
chr8	104250861	104264936	Cklf	**4.49529**	42383
chr16	44240180	44332838	Sidt1	**4.30546**	76674
chr15	10981756	10996624	Amacr	**3.23309**	34762
chr7	100159277	100160931	Lipt2	**2.80979**	14419
chr7	43933771	43939590	Klk15	**3.43584**	10975
chr5	5537457	5559501	Gtpbp10	**2.91539**	35692
chr14	33216823	33369936	Arhgap22	**3.87971**	42087
chr7	81966662	81992299	Bnc1	**2.95392**	57514
chr12	98920574	98983238	Ttc8	**2.72209**	26233
chr4	45297168	45316131	Trmt10b	**3.02685**	25568
chr17	24897530	24936977	Mapk8ip3	**2.77742**	64770
chr15	27730649	28025848	Trio	**3.23177**	155144
chr17	25016086	25099497	Ift140	**3.32111**	80486
chr7	64153835	64269759	Trpm1	**3.08225**	75418
chr2	18206333	18392830	Dnajc1	**3.13424**	102524
chr15	82233776	82244747	Cenpm	**2.70762**	15014
chrX	163935443	163958666	Zrsr2	**3.47758**	87066
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chr11	70970200	70977845	Rpain	**2.91669**	13701
chr12	116047724	116063207	Zfp386	**3.30901**	62756
chr8	36993575	36995533	AI429214	**1.8674**	15275
chr2	130684108	130697519	Slc4a11	**2.86462**	38288
chr15	89426349	89426487	Chkb	**3.75433**	2179
chr19	6922426	6925380	Tex40	**3.15785**	10298
chr7	27731409	27751689	Zfp60	**3.43937**	55477
chr9	44149262	44234046	Cbl	**3.08927**	65567
chr6	113415319	113419340	Rpusd3	**2.05804**	10905
chr18	60474191	60501983	Smim3	**3.20504**	26578
chr2	126152141	126165277	Dtwd1	**3.70222**	20761
chr19	7356464	7383002	AI846148	**3.99979**	60024
chr8	124023473	124048504	Urb2	**3.05631**	73673
chr11	119343489	119355510	Sgsh	**3.07436**	43248
chr1	64789121	64956824	Plekhm3	**3.38178**	120901

chr2	91216666	91237066	Ddb2	**3.67365**	19527
chr10	84371319	84440471	Nuak1	**3.5604**	74600
chr5	110429875	110431955	LOC101056043	**3.65843**	31789
chr1	186087732	186117310	Lyplal1	**3.2001**	21072
chr3	34057280	34081354	Dnajc19	**3.65311**	41383
chr4	32804035	32950826	Ankrd6	**3.7728**	75884
chr9	25481597	25604110	Eepd1	**2.91583**	32544
chr5	120609060	120612589	Rita1	**3.74576**	26057
chr10	57486385	57513143	Hsf2	**2.67924**	29344
chr10	41450358	41465582	Zbtb24	**3.50976**	42397
chr16	43861413	43889676	Qtrtd1	**3.36866**	39708
chr15	98831669	98871205	Kmt2d	**3.45014**	285630
chr17	40875482	40880558	9130008F23Rik	**5.23764**	47217
chr1	171358449	171360798	Klhdc9	**2.81168**	18256
chr2	133552159	133562896	Bmp2	**2.94717**	43883
chr6	115544704	115578336	Tsen2	**2.76063**	20449
chr19	45076139	45079289	Kazald1	**2.72569**	15706
chr14	34041078	34046981	Gm5460	**1.296**	10298
chr2	119897228	119969581	Mga	**3.48023**	202442
chr10	117733678	117746358	Slc35e3	**1.91614**	27867
chr1	161070892	161086343	Cenpl	**4.31861**	32278
chr11	100859351	100885169	Stat5a	**2.91116**	47261
chr1	91415982	91459328	Per2	**3.82616**	93253
chr8	36489191	36513013	6430573F11Rik	**3.44671**	26265
chr4	44991243	45012412	Zbtb5	**2.90624**	68017
chr17	71496100	71526857	Ndc80	**3.22949**	29680
chr15	101266846	101274794	Nr4a1	**2.85126**	29478
chrX	74270816	74273135	Rpl10	**3.74209**	12422
chr15	55112317	55259273	Deptor	**2.54461**	89463
chr3	103643953	103646068	Atg4a	**2.84851**	19185
chr12	102753275	102754166	AK010878	**4.23352**	15768
chrX	166390033	166440704	Ofd1	**3.42264**	63639
chr9	106281061	106349891	Poc1a	**2.21295**	15773
chr5	90214725	90223996	Cox18	**2.78963**	15492
chr2	70964562	71055606	Mettl8	**2.98763**	29553
chr4	56802332	56809605	Fam206a	**2.47218**	44346
chr2	132052496	132145108	Slc23a2	**2.63316**	69971
chr8	119598455	119605240	Taf1c	**3.35746**	38889
chr7	99811439	99828417	Neu3	**2.68014**	37389
chr12	84345317	84361821	Fam161b	**1.44951**	20318
chr11	52126746	52126836	Mir3061	**2.28438**	868
chr15	9071260	9110496	Nadk2	**3.62547**	61552
chr8	25518759	25575718	Fgfr1	**3.40845**	69737
chr5	108647771	108660769	Dgkq	**3.26993**	51365
chr19	56722372	56724862	Adrb1	**5.1296**	53354
chr11	72047528	72135889	Pitpnm3	**3.39854**	94595
chr13	71958232	71963723	Irx1	**2.03812**	17548

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chr11	30954398	31102704	Asb3	**3.61287**	48651
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chr16	50191844	50432389	Bbx	**3.31546**	121022
chr10	88746607	88826814	Utp20	**2.92334**	107795
chr10	127824216	127846565	Rdh18-ps	**5.02282**	76509
chr15	89099098	89123150	Tubgcp6	**2.64476**	67408
chr4	156013695	156016589	Tnfrsf4	**2.47226**	11923
chr17	84626499	84655564	Dync2li1	**3.96776**	21985
chr8	106168875	106198704	Slc7a6	**3.10703**	48391
chr4	154056249	154140208	Trp73	**3.4286**	76248
chr13	92211881	92354782	Msh3	**2.98387**	46398
chr5	64970075	65041901	Fam114a1	**3.24926**	40010
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chr4	21776270	21837872	Usp45	**3.33801**	83725
chr7	135537824	135686294	Ptpre	**2.96067**	65273
chr3	145646971	145649985	Cyr61	**3.40933**	28870
chr11	115091431	115162240	Rab37	**3.39206**	39743
chrX	111387837	111537959	Rps6ka6	**2.67026**	52214
chr2	24962422	24972469	Dph7	**3.02865**	24660
chr6	38626660	38637239	Klrg2	**3.18339**	30333
chr8	117158135	117205186	Gan	**3.2596**	36095
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chr13	35181623	35188014	1700011B04Rik	**4.82568**	13057
chr1	91932749	92148393	Hdac4	**3.06391**	50470
chr4	88094630	88411011	Focad	**2.97699**	72047
chr18	32163089	32236751	Map3k2	**3.21475**	144850
chr1	157135183	157412351	Rasal2	**3.3477**	137016
chr1	36471597	36508776	Cnnm4	**3.53216**	67578
chr8	31111846	31131473	Rnf122	**3.61438**	53531
chr9	75071206	75223687	Myo5a	**2.28871**	111649
chr3	89401896	89402650	Lenep	**2.91011**	8117
chr17	24223232	24251409	Ccnf	**3.20055**	41308
chr18	44104523	44108543	Spink12	**2.65725**	9886
chr4	147753974	147809788	Gm13157	**3.79202**	43210
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chr15	64086840	64382919	Asap1	**2.44422**	64103
chr6	86848407	86849440	2610306M01Rik	**2.96469**	12800
chr8	71488103	71493400	Gtpbp3	**3.29147**	38482
chr19	47132232	47138294	Calhm2	**2.71856**	23259
chr7	143458339	143461050	Cdkn1c	**2.78585**	22148
chr6	34354164	34368454	Akr1b8	**2.01694**	10982
chr4	135686457	135708180	Ifnlr1	**4.21418**	70579
chr4	119169518	119174195	Zfp691	**2.41592**	24150
chr1	4909576	5070285	Rgs20	**2.98378**	31309
chr5	107597373	107661853	Rpap2	**3.20356**	47821

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chr14	57424071	57517936	Ift88	**3.3213**	42700
chr7	98590606	98656569	2210018M11Rik	**3.37126**	56504
chr13	49653078	49679016	Nol8	**3.24107**	62875
chr12	112146208	112181747	Kif26a	**2.80753**	81099
chr4	124937048	124944661	9930104L06Rik	**2.89278**	35536
chr5	121621029	121660510	Acad10	**3.08058**	46577
chr6	147091075	147112778	Klhl42	**3.47425**	95324
chr15	34675073	34679204	4930413F20Rik	**2.21858**	8958
chr6	100573082	100671157	Shq1	**2.89075**	24020
chr5	107548967	107597888	Glmn	**3.20514**	22671
chr8	13176869	13200624	Grtp1	**5.08947**	27839
chr19	5707374	5726317	Ehbp1l1	**3.78201**	101731
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chr18	53245662	53390825	Snx24	**3.67445**	28875
chr4	32615473	32653265	Casp8ap2	**3.0456**	83385
chr4	53714182	53763271	Fktn	**1.98016**	27963
chr8	87472812	87525554	Gm2694	**5.80399**	19315
chr11	113684412	113694647	D11Wsu47e	**3.11895**	28599
chr7	141328130	141337155	Tmem80	**3.67784**	27627
chr2	31470270	31470307	Ass1	**2.04828**	325
chr9	14748459	14752122	Fut4	**5.07089**	77580
chr7	89918685	89941204	l7Rn6	**3.24015**	48056
chr11	61488812	61494266	Mapk7	**2.66844**	37560
chr11	121204433	121222588	Hexdc	**3.07754**	27641
chr12	13269127	13583811	Nbas	**2.457**	74277
chr14	17660960	18038088	Thrb	**3.23794**	88624
chr19	4099998	4113755	Pitpnm1	**3.87687**	73137
chr6	145115636	145174871	Lrmp	**3.30374**	33011
chr6	128362994	128375886	Foxm1	**2.79536**	49898
chr7	109727465	109731732	Ascl3	**4.13242**	12182
chr11	60105013	60199088	Rai1	**3.06989**	94856
chr3	95499210	95509387	Ctsk	**2.48055**	16396
chr19	4756525	4765941	Rbm4b	**2.93645**	22438
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chr16	10783809	10785536	Socs1	**3.45367**	17579
chr13	76001535	76018712	Rfesd	**3.2314**	39210
chr19	3958808	3970438	1700055N04Rik	**1.92755**	16089
chr19	16615366	16780933	Vps13a	**2.95336**	137672
chr19	46003478	46006173	Hps6	**4.1084**	46249
chr3	92967061	92968281	Lce3e	**5.85235**	14833
chr5	90931196	91021370	Mthfd2l	**2.94441**	27601
chr9	99243468	99300403	Cep70	**3.95862**	42629
chr16	91679265	91688728	Donson	**2.76895**	26858
chr7	127418966	127422034	Zfp688	**3.32907**	14123
chr8	13884788	13890271	Coprs	**2.40059**	8039
chr19	24261453	24280586	Fxn	**3.42921**	15679

chr13	3566262	3611108	Fam208b	**3.29589**	111624
chr4	97581943	98118876	Nfia	**3.13448**	126208
chr19	34192270	34240328	Stambpl1	**3.25045**	26846
chr16	31878810	31899019	Mfi2	**4.3087**	74339
chr3	108186289	108192286	Amigo1	**2.8507**	66491
chr15	101552356	101562950	4732456N10Rik	**4.50904**	47709
chr9	21766773	21798546	Kank2	**3.72458**	75474
chr2	180657963	180709999	Dido1	**3.20821**	199278
chr17	22337989	22361400	Zfp944	**3.02934**	35215
chrX	143518591	143797796	Pak3	**1.62488**	60981
chr1	193173469	193177832	A130010J15Rik	**3.41416**	50865
chr6	48676135	48678704	Gimap9	**2.66679**	15400
chr9	121489824	121495694	Cck	**2.14365**	7644
chr3	30899295	30969415	Phc3	**3.4333**	158640
chr3	33800183	33814860	Ttc14	**3.02957**	102149
chr1	93825240	93852174	D2hgdh	**3.05403**	38996
chr14	104477534	104522666	Rnf219	**2.84736**	41089
chr16	85793828	85803115	Adamts1	**3.56585**	72734
chr15	80711313	80941086	Tnrc6b	**3.3749**	245848
chr7	127372537	127376050	Zfp747	**3.46129**	38791
chr2	158794807	158858220	Dhx35	**2.67341**	36949
chr2	69647255	69667569	Bbs5	**2.53331**	15010
chr5	143235163	143248834	Zfp12	**3.78088**	84398
chr17	21488988	21510477	Zfp53	**3.07535**	39538
chr3	121459528	121532344	Slc44a3	**2.47378**	26443
chr1	163384909	163403641	Gorab	**2.69492**	28233
chr5	41787540	41844315	Bod1l	**3.3062**	145478
chr16	34784950	35002434	Mylk	**3.2201**	100519
chr14	25711640	25768856	Zcchc24	**2.98743**	54574
chr14	75761999	75787037	Slc25a30	**2.04972**	14601
chr6	4003987	4008446	Gng11	**3.22097**	11257
chr8	4613170	4630231	Zfp958	**2.7116**	26732
chr9	35452076	35507652	Cdon	**4.00214**	120553
chr8	83900098	83941954	Lphn1	**1.85749**	63506
chr10	79777274	79781473	Fstl3	**3.66127**	12169
chr12	29938036	30017658	Pxdn	**1.76505**	48745
chr4	103171718	103214884	Slc35d1	**3.22142**	38914
chr8	71456700	71463657	Abhd8	**3.80858**	31567
chrX	56454839	56507843	Ddx26b	**3.58244**	56962
chr7	128004378	128011393	Trim72	**3.12327**	32238
chr3	82358072	82395268	Map9	**1.57391**	40864
chr7	119853163	119895745	Dcun1d3	**3.27649**	79692
chr2	52072837	52122381	Rif1	**3.09362**	109824
chr13	119623819	119654358	Ccl28	**2.74759**	42896
chr5	150673827	150810669	Pds5b	**3.16173**	96479
chr3	60006743	60025420	Aadacl2	**2.54433**	16892
chr5	21372673	21378386	Fgl2	**3.0372**	47798

chr5	45669925	45696544	Ncapg	**2.7638**	33790
chr13	74350317	74365783	Ccdc127	**3.03563**	51221
chr4	11051046	11076205	Ndufaf6	**2.37677**	10738
chr1	191325965	191351980	Tmem206	**2.153**	29298
chr5	124328089	124341852	2810006K23Rik	**2.64501**	18709
chr17	21926963	21962464	Zfp942	**3.01993**	41297
chr1	54645340	54926387	Ankrd44	**4.45657**	114256
chr3	106758861	106790149	Cd53	**2.09517**	24513
chrX	153036166	153037563	Mageh1	**2.56965**	15000
chr15	85859707	85876573	Gtse1	**2.81695**	32699
chr13	41606216	41641357	Tmem170b	**3.48054**	104202
chr9	45370185	45396159	Fxyd6	**3.01957**	22594
chr8	82331624	82402586	Il15	**5.35063**	28709
chr4	117888643	117892003	Dph2	**3.29476**	34751
chr14	24448694	24487046	Polr3a	**3.02354**	59122
chr14	9550094	11162032	Fhit	**2.68269**	11056
chr2	101560781	101628986	B230118H07Rik	**2.98209**	28253
chr16	16896469	16927375	Ppm1f	**3.58014**	73743
chr2	181319724	181356616	Rtel1	**2.72353**	50481
chr11	115268025	115276969	Fdxr	**2.95553**	23028
chr12	99884515	99955216	Tdp1	**2.67065**	22916
chr9	73017391	73039699	Pigb	**2.25014**	14967
chr5	3803165	3844515	Krit1	**2.98289**	79887
chr8	69761324	69774911	Zfp866	**3.39073**	81607
chr1	74435561	74544286	Usp37	**2.77274**	82722
chr7	30653708	30664994	Haus5	**2.58465**	23689
chr19	5878466	5885768	Slc25a45	**4.01726**	30747
chr19	4214392	4222615	Clcf1	**2.98925**	10210
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chr5	32789207	32854230	Prr14l	**2.99233**	131767
chr1	176814660	177020432	Sdccag8	**2.81158**	32531
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chr2	33729956	33887946	Mvb12b	**2.83247**	59076
chr13	77043088	77135468	Ankrd32	**3.02008**	47188
chr10	121263820	121311189	Tbc1d30	**3.08597**	73383
chrX	139684996	139754218	Tbc1d8b	**3.49977**	86321
chr19	56529161	56548222	Dclre1a	**3.41754**	58136
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chr17	46725664	46729165	Gnmt	**3.4768**	14982
chr7	29816072	29832042	Zfp790	**3.29**	62162
chr7	4915217	4922003	Zfp628	**2.91841**	42943
chr14	20262756	20269162	Kcnk16	**1.28464**	4715
chr2	11777753	11790323	Ankrd16	**2.83666**	27882
chr15	82127922	82142202	Ccdc134	**2.70338**	23084
chr14	70303467	70351424	Slc39a14	**2.05306**	44646
chr4	145212368	145246870	Tnfrsf1b	**2.35943**	48402
chr12	16535669	16589770	Lpin1	**2.94075**	70298

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chr5	138622859	138648905	A430033K04Rik	**2.38531**	31294
chr12	84451508	84531533	Lin52	**3.6852**	32991
chr11	82871961	82890624	Rad51d	**2.45932**	79122
chr9	27030175	27095315	Ncapd3	**2.71823**	62459
chr10	8204753	8518825	Ust	**3.12988**	55987
chr1	171503478	171504750	Alyref2	**2.33396**	12406
chr14	69784990	69805545	Rhobtb2	**3.14654**	68727
chr7	128234451	128237356	9130023H24Rik	**2.24904**	27290
chr9	48985385	49042517	Usp28	**3.05198**	53778
chr4	132310307	132310368	Snora61	**1.90821**	494
chr14	32159887	32179855	Ncoa4	**2.61073**	45654
chr2	69686824	69712606	Fastkd1	**2.77671**	33113
chr1	171518124	171535294	Itln1	**4.1111**	19552
chr10	94673493	94688613	Cep83os	**2.89243**	49940
chr17	7363712	7385305	Gm9992	**1.56805**	10430
chr10	75573593	75586182	Ggt1	**2.39563**	20226
chr17	24632682	24638838	Nthl1	**3.74228**	16876
chrX	57231485	57338729	Arhgef6	**3.72535**	71072
chr2	32963301	32963418	Snora65	**4.48539**	2210
chr16	87433331	87440592	Rwdd2b	**2.81425**	24724
chr8	123254195	123270551	Zfp276	**3.50218**	59956
chr9	56089976	56128890	Pstpip1	**3.19723**	24711
chr8	70382358	70439573	Crtc1	**2.54547**	60307
chr7	45699967	45704661	Car11	**1.67827**	10091
chr19	46573365	46596900	Sfxn2	**2.94235**	39462
chr13	29906575	29986063	E2f3	**2.06849**	46303
chr8	69822565	69831102	Lpar2	**2.9985**	71378
chr13	68560780	68582121	Mtrr	**2.53179**	39030
chr3	131110297	131224357	Lef1	**1.80979**	27862
chr17	94727080	94749892	Mettl4	**2.59074**	23258
chr1	166393621	166409828	Pogk	**2.74415**	84344
chr10	34297421	34301320	Tspyl4	**1.74995**	28497
chr10	38965515	39110188	Lama4	**1.18324**	29871
chr5	74204816	74531742	Scfd2	**2.35555**	59486
chr7	28277706	28280129	Eid2b	**2.29038**	23182
chr14	30714849	30822721	Sfmbt1	**2.88817**	97948
chr1	182565007	182632352	Capn8	**2.29867**	35561
chr13	76060422	76098660	Arsk	**3.0644**	46793
chr17	21423227	21435384	Zfp54	**3.59511**	38069
chr17	79706953	79715041	Cyp1b1	**2.29408**	49121
chr14	37077849	37098311	Cdhr1	**2.69806**	48488
chr12	116405402	116463531	Ncapg2	**2.4232**	66820
chrX	150397773	150459150	Tmem29	**3.29425**	37868
chr13	13590409	13777440	Lyst	**2.20918**	108904
chr19	8927382	8929356	Rom1	**2.76169**	17597
chr3	40799951	40816883	Plk4	**2.34279**	34698

chr14	7965190	7994182	Dnase1l3	**3.22495**	49810
chr2	62330073	62412231	Dpp4	**2.95311**	77696
chr4	33170406	33189737	Pm20d2	**2.22027**	51666
chr1	133363572	133380319	Etnk2	**3.09543**	29469
chr2	150909594	150931280	Gins1	**2.49017**	12051
chr6	103510876	103733035	Chl1	**3.58721**	116098
chr13	55105309	55135071	Zfp346	**2.58534**	38830
chr15	99317223	99370466	Fmnl3	**3.3821**	62264
chr4	4133536	4138445	Penk	**1.62827**	9600
chr1	72583251	72636790	Smarcal1	**3.29742**	92455
chr17	55864892	55878953	Zfp119a	**3.22486**	27483
chr5	114707779	114722327	Tchp	**2.52641**	30202
chr13	12565883	12609528	Ero1lb	**2.30785**	40849
chr2	115581716	115778768	BC052040	**2.87321**	33232
chr13	73912462	73937767	Trip13	**2.39027**	22626
chr9	113741473	113919697	Clasp2	**3.25371**	106731
chr4	88412930	88438926	Ptplad2	**5.01797**	43770
chr1	183388885	183410206	Taf1a	**3.22638**	33437
chr11	8993142	9011137	Hus1	**3.10748**	59440
chr17	57066055	57078510	Dennd1c	**2.77329**	29193
chr5	110653451	110660496	Ddx51	**2.65442**	53711
chr17	78369212	78418152	Fez2	**3.26778**	62670
chr6	57506502	57535426	Ppm1k	**2.48145**	57609
chr3	73635809	73708415	Bche	**1.13401**	29400
chr10	30534225	30600749	Trmt11	**3.19034**	31425
chr8	69209046	69230539	Zfp930	**2.67669**	33485
chr16	96145419	96157852	Wrb	**2.56197**	26562
chr3	119718742	119783388	Ptbp2	**3.39588**	47700
chr2	52857868	53134202	Fmnl2	**2.49589**	60977
chr9	50768238	50772670	Fdxacb1	**3.63184**	29996
chr7	45413695	45417179	Ntf5	**3.58432**	29379
chrX	152609509	152769486	Shroom2	**3.03851**	104087
chr2	121866970	121936207	Casc4	**3.05783**	55592
chr15	99295409	99317007	Prpf40b	**3.33218**	43953
chr15	74516196	74589464	Bai1	**1.32545**	34463
chr5	143172186	143180775	Rbak	**3.49176**	50738
chr19	5568074	5571261	Ap5b1	**2.60637**	33650
chr11	31359441	31370061	Stc2	**1.74189**	13041
chr12	51997507	52006501	Dtd2	**2.47664**	26515
chr11	3886088	3895126	4921536K21Rik	**1.53931**	16827
chr7	120677620	120734854	BC030336	**2.68891**	54364
chr5	136138781	136141614	Alkbh4	**3.31359**	23701
chrX	48341358	48406728	Bcorl1	**2.5148**	64316
chr9	123034741	123067558	Tgm4	**3.03861**	35107
chr9	105129338	105131805	Nudt16	**2.99275**	20069
chr11	74383483	74590158	Rap1gap2	**2.10502**	56341
chr4	134129858	134187085	Cep85	**3.04711**	49188

chr8	11198423	11312826	Col4a1	**1.85312**	51185
chr12	44852486	45074483	Stxbp6	**3.84023**	69351
chr11	101246334	101248250	Ramp2	**1.94395**	7078
chr4	94614491	94693233	Ift74	**2.47973**	27190
chr15	51877441	51884622	Utp23	**2.97193**	36198
chr2	28840406	28905575	Ddx31	**2.7086**	37639
chr3	27938680	28133362	Pld1	**3.16279**	68052
chr3	107741048	107760469	Csf1	**2.90141**	53572
chr2	158768099	158786637	Fam83d	**2.20396**	20798
chr11	23487882	23498039	Ahsa2	**3.83581**	25290
chr2	181147692	181157015	Eef1a2	**2.34095**	19999
chr19	6085097	6091773	Cdca5	**2.79926**	22278
chr4	135412309	135433805	Rcan3	**2.80622**	58798
chr2	73312652	73337807	Scrn3	**3.07614**	41706
chr1	60409619	60481163	Abi2	**2.13185**	53178
chr11	83704056	83706269	Wfdc17	**4.56515**	8940
chr2	121194835	121271407	Trp53bp1	**2.59401**	81170
chr19	61224402	61228418	Csf2ra	**2.65928**	20531
chr4	135728159	135755383	Il22ra1	**2.41177**	58660
chr4	156229044	156234857	Klhl17	**3.27602**	40449
chr11	43681998	43722633	Pwwp2a	**3.21939**	55061
chrX	9435254	9469324	Cybb	**2.38377**	47279
chr3	8663359	8667038	Hey1	**3.03519**	27945
chr5	124552864	124569660	Ddx55	**3.11142**	36364
chr15	101050192	101054399	Fignl2	**2.75262**	48365
chr3	37404982	37419596	Nudt6	**3.26618**	14729
chr7	101421691	101512829	Pde2a	**2.94939**	57155
chr11	59450045	59458567	Jmjd4	**2.82223**	52381
chr8	110882456	110902488	Fuk	**3.07457**	49734
chr4	46376975	46389423	5830415F09Rik	**3.14782**	20478
chr18	36017658	36197160	Nrg2	**3.10933**	36742
chr7	49975350	50863289	Nell1	**4.202**	49338
chr7	142273764	142274363	Gm4559	**1.66806**	4179
chr11	21572281	21898686	Wdpcp	**3.65982**	37333
chr1	37299838	37410740	Inpp4a	**3.77129**	108387
chr17	35841498	35859670	Mdc1	**2.73519**	83966
chr18	54888045	54990180	Zfp608	**2.52277**	64383
chr1	64679869	64690659	2810408I11Rik	**3.92994**	11700
chr11	120464354	120467600	Arl16	**2.74881**	22898
chr4	129150825	129189482	S100pbp	**2.53604**	16371
chr2	19371636	19394971	Msrb2	**3.16607**	15745
chr7	127214442	127218445	Sept1	**2.96917**	18014
chr6	49367739	49389904	Fam221a	**3.75413**	32840
chr5	100077873	100159808	Tmem150c	**1.96148**	23514
chr14	20075636	20083172	Saysd1	**3.44945**	33185
chr14	65819027	65833969	Esco2	**2.09421**	25350
chr13	67538641	67553152	Zfp748	**3.59632**	69301

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chr4	129615617	129619093	Iqcc	**2.73917**	24499
chr11	5276329	5444847	Znrf3	**3.1441**	100549
chr15	98517658	98534269	Kansl2	**2.81657**	42350
chr4	152019776	152027671	Zbtb48	**2.93049**	27238
chr10	76351254	76442912	Pcnt	**2.86058**	109303
chr11	68972516	68975185	Rangrf	**3.14365**	12050
chr12	100912700	101028983	Ccdc88c	**2.53917**	66710
chr5	21186267	21291701	Gsap	**3.29111**	51464
chr13	119334317	119409011	Nnt	**3.28063**	63204
chr4	136049948	136053371	Rpl11	**3.22306**	7994
chr1	10038218	10136768	Cspp1	**2.8344**	51530
chr19	36917550	36919599	Fgfbp3	**3.37334**	24734
chr19	7596661	7607176	Lgals12	**3.51292**	40411
chr3	154596711	154623182	Cryz	**2.74266**	25893
chr16	23224740	23360350	St6gal1	**3.15459**	63700
chr3	41626705	41742514	Sclt1	**2.88809**	36419
chr2	31245923	31295471	Ncs1	**2.45872**	41425
chr17	78949405	79020816	Prkd3	**2.72738**	69844
chr17	14665500	14694262	Thbs2	**1.45175**	35898
chr6	128952353	128975029	Gm15987	**2.93132**	12558
chr16	36828400	36872715	Iqcb1	**2.96581**	28074
chr1	171051169	171059403	Fcgr3	**2.53953**	14347
chr10	26275452	26375185	L3mbtl3	**2.75714**	39269
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chr17	35994504	36038174	A930015D03Rik	**2.69495**	8991
chr7	142079487	142095284	Dusp8	**2.63386**	52998
chr8	83723352	83741311	Cd97	**3.33216**	43424
chr11	94539798	94549207	Rsad1	**3.04889**	52845
chr8	70234423	70263105	Sugp2	**2.93644**	45170
chr12	64942440	64965536	Klhl28	**2.87163**	34221
chr18	41875696	41951194	Prelid2	**2.1412**	6473
chr5	145204559	145221750	Zkscan5	**2.71401**	43029
chr2	101714285	101838980	Prr5l	**1.96904**	36554
chr5	137314558	137333582	Slc12a9	**2.4137**	33410
chr6	38433925	38512763	Ubn2	**2.64932**	161509
chr3	90237500	90243512	Creb3l4	**3.63601**	23578
chr1	157458582	157488733	BC026585	**3.25348**	17511
chr11	109485476	109573329	Arsg	**1.91185**	26719
chr7	100372233	100470159	C2cd3	**2.7421**	89445
chr15	89472476	89477424	Arsa	**3.59332**	49453
chr18	31909094	31911903	Sft2d3	**2.60228**	30533
chr2	118528757	118549678	Bmf	**2.5211**	48771
chrX	159532668	159593081	A830080D01Rik	**2.13685**	30033
chr13	67705306	67729173	Zfp65	**2.52549**	41759
chr8	71371298	71373689	Ocel1	**2.6489**	18272
chr19	6057888	6059524	Fau	**3.16922**	10785

chr5	149411806	149431703	Medag	**3.7152**	44615
chr7	125707876	125874797	D430042O09Rik	**2.7563**	71252
chr4	72109945	72200893	Tle1	**2.32993**	118427
chr14	18271142	18284000	Nkiras1	**1.85127**	29977
chr10	121739937	121752859	BC048403	**2.48581**	32353
chr7	126363828	126369534	Lat	**2.73707**	14103
chr18	82593597	82692734	Zfp236	**2.89334**	114445
chr4	156109998	156127263	9430015G10Rik	**3.1984**	33521
chr10	90989311	91082743	Apaf1	**3.54608**	96451
chr9	95954760	96053029	Xrn1	**2.82057**	64787
chr8	94067954	94098811	Bbs2	**2.74428**	33769
chr7	138835818	138846267	Mapk1ip1	**3.00056**	17791
chr2	69822370	69836651	Klhl23	**2.66605**	51397
chr11	22972005	22976496	Zrsr1	**3.13456**	58793
chr11	78301591	78322454	Spag5	**2.12246**	33872
chr13	108158738	108194981	Ercc8	**2.41344**	21233
chr5	143710326	143732280	Usp42	**3.23397**	69543
chr8	122578237	122611487	Galns	**3.1596**	34117
chr11	51651074	51657681	D930048N14Rik	**3.57486**	49393
chr4	116031770	116053876	Nsun4	**2.5194**	36935
chr4	131921771	131923140	Tmem200b	**3.41546**	19538
chr4	95557507	95926939	Fggy	**3.02308**	34246
chr7	6286580	6307883	Zfp667	**1.52476**	23372
chr6	42672547	42693059	Fam115a	**2.10148**	32800
chr2	27188393	27247303	Sardh	**1.81032**	34454
chr16	32914100	33014269	Lrch3	**2.45701**	42658
chr6	40407498	40436133	E330009J07Rik	**2.45543**	20003
chr19	41766588	41802084	Arhgap19	**2.57668**	55301
chr19	5079337	5085477	Tmem151a	**1.6334**	26906
chr1	177729814	177753305	1700016C15Rik	**4.20149**	13140
chr16	3861544	3872374	Zfp597	**2.08838**	49094
chr8	12915893	13020509	Mcf2l	**2.09542**	48227
chr12	76348900	76369560	Zbtb25	**2.34316**	17386
chrX	101404384	101420685	Zmym3	**2.82193**	71299
chr9	42412317	42472226	Tbcel	**2.70099**	56018
chr19	46135695	46148325	Pitx3	**1.0841**	6197
chr8	69808687	69821870	Gmip	**2.09117**	34272
chr11	101092208	101095435	Psmc3ip	**2.32399**	8782
chr13	33879816	33905708	Serpinb6c	**0.52299**	2900
chr3	132881745	132950291	Npnt	**2.32022**	46503
chr5	115478010	115484484	Sirt4	**2.34523**	17607
chrX	93304766	93632155	Pola1	**2.26655**	50604
chr6	58833700	58920396	Herc3	**1.94176**	38342
chr6	35022065	35133737	Cnot4	**3.0844**	92574
chr3	122419780	122530182	Bcar3	**2.79813**	38556
chr12	51348230	51376986	G2e3	**2.84944**	80025
chr4	93334148	93335511	Tusc1	**3.0321**	17269

chr5	35057084	35087831	Dok7	**1.19215**	12360
chr4	107070168	107084805	Cyb5rl	**2.33239**	15631
chr19	44108637	44135876	Cwf19l1	**2.38395**	35646
chrX	100626065	100727271	Kif4	**2.39512**	47124
chr11	69796068	69801716	Fgf11	**0.8403**	8891
chr5	107900528	107908041	Rpl5	**3.22598**	14211
chr7	119783826	119794058	Eri2	**2.21339**	26118
chr8	85007203	85014531	Best2	**3.46813**	32018
chr11	20227037	20249424	Cep68	**2.48225**	49854
chr1	151884524	152090320	1700025G04Rik	**2.45075**	99814
chr8	111643443	111671011	Zfp1	**3.57371**	27964
chr10	105763185	105841380	Mettl25	**2.32245**	19773
chr10	69533708	70027436	Ank3	**2.52483**	112646
chr7	19076200	19082775	Dmwd	**2.65294**	27915
chr16	90936097	91011248	Synj1	**3.01157**	90149
chr4	136247957	136274899	Tcea3	**3.49039**	18174
chr19	38055025	38074425	Cep55	**2.30586**	26747
chr9	86552476	86571842	Pgm3	**2.09259**	27908
chr11	79014801	79146354	Ksr1	**1.78394**	28045
chr9	22276748	22307638	Zfp810	**2.19618**	29693
chr11	69803595	69803668	Tmem102	**2.11659**	654
chr2	91643688	91649791	Zfp408	**2.60232**	40639
chr6	90462626	90475209	Klf15	**3.13876**	30065
chr1	170960559	170976071	Fcgr2b	**1.87627**	12112
chr1	38056264	38129662	Rev1	**2.58551**	32625
chr3	36863106	37053033	4932438A13Rik	**2.75858**	182948
chr2	127008711	127069814	Ap4e1	**2.01072**	54774
chr4	155650655	155653384	Mmp23	**4.89989**	29339
chr1	53313624	53326342	Osgepl1	**2.32517**	18903
chr14	31237696	31251218	Phf7	**2.52275**	20899
chr15	75044018	75048837	Ly6c1	**3.21617**	22091
chr4	132221025	132261549	Gmeb1	**2.95334**	81155
chr4	152120876	152152207	Espn	**1.10967**	14220
chr5	122550204	122614518	Ift81	**2.35164**	28967
chr11	83572917	83578636	Ccl9	**2.33727**	29356
chr7	55978484	56019573	Nipa1	**2.64068**	15569
chr11	75830992	75925891	Rph3al	**2.93438**	42112
chr11	110399122	110513637	Map2k6	**3.26203**	28113
chr3	92407991	92409271	Sprr2i	**0.73749**	1900
chr3	103859795	103912252	Ptpn22	**3.18954**	38409
chr17	55938373	55945259	Zfp119b	**3.11591**	24681
chr13	93304495	93405129	Homer1	**2.27412**	48722
chr11	117867949	117873526	Tha1	**2.27283**	17462
chr8	106252548	106337988	Smpd3	**2.51252**	54008
chr18	43320979	43438286	Dpysl3	**3.12206**	79247
chr18	38838673	38918699	Fgf1	**2.44381**	39888
chr16	56075409	56190011	Senp7	**2.58924**	57160

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chr4	149468787	149485142	Nmnat1	**2.08689**	8313
chr3	101855771	101924453	Slc22a15	**2.20904**	61228
chr11	68209364	68386826	Ntn1	**4.14552**	99323
chr9	40297907	40455764	Gramd1b	**2.72859**	30739
chr17	55892093	55898930	Zfp959	**2.49097**	21395
chr19	27217020	27254231	Vldlr	**2.45156**	85045
chr2	164656046	164657368	Wfdc10	**1.87836**	3600
chr10	13553143	13563376	Adat2	**2.46989**	12551
chr13	12471209	12520450	Edaradd	**2.31263**	78246
chr12	100300909	100520822	Ttc7b	**2.34938**	32402
chr16	4711318	4719356	Nmral1	**2.3237**	16640
chr5	33843112	33897966	Whsc1	**2.46654**	131787
chr11	103171138	103198900	Fmnl1	**2.71912**	43973
chr4	86581285	86612022	Haus6	**1.97958**	30542
chr13	63304709	63431745	Fancc	**3.13497**	55214
chr11	11800288	11808962	Fignl1	**2.05186**	25480
chr6	31220351	31337394	2210408F21Rik	**3.014**	12736
chr1	105780723	105847981	Tnfrsf11a	**1.80606**	37872
chr11	59155369	59163745	Iba57	**2.15527**	41100
chr5	3344312	3522225	Cdk6	**2.59349**	26748
chr11	99798186	99804287	Gm11554	**0.94472**	2497
chr11	72777232	72795839	Cyb5d2	**2.87702**	28543
chr16	23609919	23614222	Rtp4	**9.51099**	62469
chr19	6914196	6914286	Mir6990	**1.83961**	699
chr1	36538173	36547201	Ankrd39	**2.06384**	15391
chr4	41657498	41697091	Cntfr	**1.97129**	18660
chr17	33239507	33255145	Zfp955a	**2.52809**	39638
chr2	120860276	120970715	Ubr1	**2.89626**	90132
chrX	164070703	164076049	Siah1b	**2.417**	17288
chr4	53261356	53270232	AI427809	**1.38446**	13163
chr2	154559400	154569892	E2f1	**2.00913**	25998
chr5	32863721	32994233	Depdc5	**2.22799**	78573
chr12	100779123	100872610	9030617O03Rik	**3.21129**	43297
chr12	31640055	31654826	Dus4l	**2.26636**	16731
chr19	41845976	41848132	Frat2	**2.82804**	25471
chr1	84906705	84935083	Slc16a14	**2.57843**	25290
chr4	111720010	111829140	Spata6	**2.69001**	27384
chrX	48695004	48710719	Rbmx2	**2.57766**	18760
chr19	4878668	4885397	Zdhhc24	**2.86294**	27949
chr14	79334507	79390668	Naa16	**2.09078**	33829
chr2	152337425	152344060	Trib3	**1.75327**	15015
chr9	21800180	21852635	Dock6	**2.7325**	74847
chr14	57034460	57058030	Gja3	**2.44194**	29498
chr4	43492785	43493059	Rmrp	**5.13034**	5891
chr12	86700502	86726460	Angel1	**2.56057**	41163
chr9	44803355	44881274	Kmt2a	**2.96623**	203606

chr11	116105750	116110235	Trim47	**3.2032**	29318
chr8	105701148	105703494	Pard6a	**2.69557**	16174
chr11	5765509	5784710	2210015D19Rik	**2.71218**	19807
chr1	178955039	179518003	Smyd3	**2.57767**	40480
chr13	67589439	67609707	AA987161	**2.69944**	54498
chr13	67440431	67451624	Zfp874a	**3.04531**	41199
chr1	184034461	184075636	Dusp10	**2.74585**	31094
chr10	128800825	128804370	Tmem198b	**2.54363**	16420
chr9	107327082	107338350	Hemk1	**2.46096**	22545
chr2	35109492	35178822	Cntrl	**2.49013**	81018
chr1	173857220	173880187	Mndal	**6.61802**	52725
chr6	47955817	47965299	Zfp956	**2.17007**	23260
chr9	13246979	13292353	Ccdc82	**2.99669**	58084
chr12	104929933	105009809	Syne3	**2.61028**	60469
chr4	127077383	127124374	Zmym6	**2.63478**	49177
chr11	58120001	58168539	Gemin5	**2.74633**	71258
chr13	17986640	17993351	Yae1d1	**2.23446**	32058
chr6	83030936	83033471	Dok1	**4.29997**	32408
chr4	94942041	94979100	Mysm1	**2.43042**	75290
chr1	106538178	106714290	Bcl2	**3.19999**	103392
chr7	121734507	121768477	Scnn1g	**2.42327**	30001
chr13	33004541	33017955	Serpinb9	**3.85626**	54698
chr19	44147637	44192442	Pkd2l1	**1.13054**	15677
chr9	108953745	108984875	Col7a1	**2.78453**	106525
chr1	60483185	60566765	Raph1	**2.3325**	88794
chr16	45959261	46010413	Plcxd2	**1.85701**	56891
chr8	31150316	31164703	Tti2	**2.48054**	49219
chr8	48099092	48141667	Dctd	**2.34898**	27306
chrX	36887542	36902899	Nkrf	**2.2517**	30707
chr2	103957995	103981878	Lmo2	**5.05647**	37434
chr12	33147686	33368277	Atxn7l1	**3.08215**	55056
chr3	88835231	88910099	Gon4l	**2.76955**	84292
chr2	91277828	91444642	1110051M20Rik	**2.83142**	23397
chr1	94038305	94052553	Pdcd1	**2.90827**	23437
chr13	3854173	3854761	Calm5	**5.71639**	13104
chr4	96723887	96785160	Gm12695	**4.25002**	29068
chr5	121220219	121368577	Gm15800	**2.73805**	177002
chr16	31296192	31314808	Apod	**2.52507**	21825
chr1	138062859	138175305	Ptprc	**2.12148**	50191
chr13	64192545	64274988	Cdc14b	**2.29021**	57310
chr6	87628429	87672168	Aplf	**2.7179**	36134
chr12	85234520	85270564	Mlh3	**2.67716**	60677
chr18	67665501	67724621	Ptpn2	**2.5199**	88426
chr17	25748613	25754327	Msln	**1.56683**	13837
chr12	84038379	84044723	Acot4	**1.41882**	13774
chr2	144270904	144281227	Mgme1	**2.43477**	28832
chr13	23353103	23369208	Zfp322a	**2.63252**	57126

chr10	70245276	70285951	Slc16a9	**1.93327**	28762
chrX	53243415	53269805	Fam122b	**2.65378**	37808
chr9	3335231	3385846	Alkbh8	**2.10877**	19979
chr11	101769742	101785310	Etv4	**1.92629**	18789
chr8	119862305	119876989	Klhl36	**2.5851**	23121
chr8	25725324	25754280	Ddhd2	**2.32358**	41399
chr7	43579586	43593710	Zfp719	**2.65676**	55389
chr9	121760033	121771742	Zfp651	**2.76469**	73339
chr11	78166106	78176666	Nek8	**2.74611**	32106
chr13	96480689	96542485	Polk	**2.90212**	51210
chr5	124493080	124531391	Rilpl1	**2.42409**	22764
chr7	25221451	25227505	Zfp526	**2.2936**	32102
chr7	24462500	24475873	Plaur	**2.23657**	13037
chr14	76110891	76137379	Nufip1	**2.61343**	43366
chr10	43479140	43515417	Bend3	**2.01721**	50950
chr3	19894871	19898984	4632415L05Rik	**2.32832**	39996
chr5	134099748	134141758	Gatsl2	**1.92668**	38173
chr14	47387779	47418407	Dlgap5	**2.40025**	29706
chr5	134489383	134552434	Clip2	**3.32102**	69307
chr6	22875502	23052916	Ptprz1	**2.70452**	91110
chr7	143795594	143822841	Nadsyn1	**2.49313**	27389
chr12	110279230	110281097	Dio3	**2.35902**	18400
chr5	53809627	53904380	Tbc1d19	**2.34066**	26271
chr6	88842558	88874044	Podxl2	**2.09741**	12944
chr9	22475715	22888280	Bbs9	**3.13742**	45039
chr16	36041190	36042974	Wdr5b	**2.33454**	17400
chr3	64258961	64287417	Vmn2r3	**0.96918**	10805
chr2	120403896	120460852	Ganc	**2.67169**	47289
chr5	109996527	110010411	Zfp932	**2.421**	20976
chr11	88973935	88991613	Coil	**2.27301**	24743
chrX	135743563	135747326	Armcx5	**2.13104**	21409
chr7	26173409	26210660	Cyp2b9	**1.12282**	8800
chr14	54875597	54877538	Ppp1r3e	**2.60738**	20163
chr3	90213381	90213648	Rps27	**3.95369**	3797
chr13	92449620	92484031	Fam151b	**2.33777**	13500
chr12	80120546	80132844	2310015A10Rik	**2.16051**	43708
chr11	62458460	62513900	Pigl	**1.89628**	13120
chr2	60598292	60722603	Itgb6	**2.85351**	60885
chr7	81600481	81706925	Homer2	**2.22484**	103266
chr16	13109736	13152009	Ercc4	**2.55319**	71460
chr1	78310346	78420286	Sgpp2	**1.69094**	26357
chr11	63128982	63159547	Pmp22	**2.43157**	23880
chrX	37191343	37192465	Rnf113a1	**2.5683**	12043
chr14	45134448	45219394	Txndc16	**2.74922**	46239
chr5	107403513	107430031	Ephx4	**2.16932**	11395
chr2	91061781	91070315	Slc39a13	**2.49889**	24948
chr7	112368308	112413104	Micalcl	**2.00545**	20072

chr6	72438683	72440615	4930414L22Rik	**2.23925**	16082
chr1	191537365	191575534	Dtl	**2.14157**	37575
chr4	12089370	12096271	Rbm12b2	**2.88781**	41311
chr3	89939481	89963332	Atp8b2	**2.35687**	53703
chr3	87922601	87930195	Rrnad1	**2.78077**	28935
chr2	156196647	156309953	Phf20	**2.67827**	64113
chr9	24411779	24503140	Dpy19l1	**2.1252**	42053
chr11	101442245	101445596	Rpl27	**2.38708**	7316
chr17	44495987	44814797	Runx2	**2.78591**	92107
chr18	63708695	63989759	Wdr7	**2.12901**	63188
chr8	9970020	9976323	Lig4	**2.32825**	39674
chr9	59518685	59525501	Tmem202	**1.44915**	7600
chr7	78192114	78577838	Ntrk3	**2.81321**	60730
chr4	132458729	132463921	Med18	**2.27039**	15898
chr4	70223024	70410367	Cdk5rap2	**2.40304**	56220
chr1	121431067	121506460	Ccdc93	**2.77439**	84057
chr19	3986661	3990005	Acy3	**2.88569**	18110
chr7	33743799	33745103	Scgb1b24	**0.99449**	1661
chr2	140170646	140205252	Ndufaf5	**2.4277**	27694
chr4	59805650	59904740	Snx30	**2.14352**	67190
chr11	34809185	34833641	Spdl1	**1.93091**	20237
chr11	108920349	108950781	Axin2	**2.47692**	44038
chr15	31291479	31367759	Ankrd33b	**1.28649**	46197
chr3	34650005	34652460	Sox2	**2.63528**	27025
chr4	141576062	141606052	Fblim1	**1.49675**	19799
chr14	54906727	54913132	Slc22a17	**1.78596**	17107
chr2	158624913	158639211	Actr5	**2.54443**	25169
chr19	59902884	59943654	Rab11fip2	**2.3742**	60274
chr2	26362765	26380653	Snapc4	**1.7592**	32989
chr19	18632016	18652184	Nmrk1	**2.34334**	15949
chr17	22197265	22225614	Gm4944	**2.37651**	48425
chr9	53537047	53575627	Npat	**2.10177**	64477
chr4	152274362	152285337	Gpr153	**1.44703**	22821
chr9	96823343	96889474	Pxylp1	**2.21174**	30199
chr2	121461666	121474023	Mfap1b	**1.76363**	13896
chr10	80702693	80705382	Izumo4	**2.96607**	11617
chr2	57107226	57124003	Nr4a2	**3.43066**	47945
chr11	83753637	83783754	Heatr6	**2.6789**	63457
chr9	124102183	124109140	Ccr2	**2.3398**	35064
chr2	130589996	130630038	Ubox5	**2.20226**	33334
chr8	109868603	109944671	Phlpp2	**2.98185**	97701
chr6	93675453	94283917	Magi1	**2.97572**	122388
chr9	37489321	37524150	Msantd2	**2.80281**	26812
chr2	155956558	155998900	Cep250	**2.50717**	83509
chr7	48866429	48881041	E2f8	**2.19267**	33793
chr18	46282151	46311928	Ccdc112	**2.42399**	28350
chr14	55784995	55788857	Ripk3	**1.71223**	13348

chr13	64096310	64129330	Slc35d2	**2.24623**	21347
chr1	172271709	172298064	Atp1a2	**1.8207**	47340
chr17	7945614	7979556	Rsph3a	**2.99022**	24472
chr2	30266203	30282149	Phyhd1	**2.60854**	19464
chr15	83483769	83510907	Ttll1	**2.08129**	18024
chr4	147985788	147987205	Nppb	**2.06803**	6744
chr4	56876013	56947429	Tmem245	**2.36372**	68052
chrX	129749742	130465833	Diap2	**1.60937**	56723
chr9	119444923	119465518	Exog	**2.25386**	36590
chr1	163994945	163997244	Mettl18	**2.5186**	15333
chr10	21124930	21160984	Myb	**2.53568**	39990
chr5	138273660	138279937	Gpc2	**2.51042**	26342
chr11	103133339	103139908	Hexim2	**2.21226**	18022
chr11	64079484	64083259	2810001G20Rik	**3.05571**	11496
chr17	56162491	56173955	Tnfaip8l1	**1.67917**	16582
chr18	73735038	73754479	Elac1	**2.87486**	59672
chr4	123233556	123249870	Heyl	**2.02981**	38411
chr15	73723145	73758766	Ptp4a3	**2.42799**	46828
chr4	8690406	8868449	Chd7	**1.8372**	86731
chr17	40571869	40571969	Esp6Esp5	**4.80169**	2025
chr9	44410448	44418007	Ccdc84	**2.62264**	10480
chr13	67490167	67500522	Zfp58	**2.47603**	24389
chr7	27179741	27181149	Mia	**1.68953**	4000
chr8	94745684	94751388	Ccl22	**2.02278**	15296
chrX	95420314	95444840	Amer1	**2.52255**	89193
chr9	59321966	59353508	Bbs4	**2.62451**	27857
chr6	91440987	91441755	1810044D09Rik	**3.40117**	6902
chr7	102069897	102071218	Xndc1	**1.42752**	757
chr7	66109515	66173798	Chsy1	**2.28234**	39797
chr6	49319353	49341581	Ccdc126	**2.57482**	24416
chr4	72201244	72203930	C630043F03Rik	**2.13243**	23925
chr4	126148003	126149874	Eva1b	**2.31462**	13173
chr11	82115185	82116799	Ccl8	**2.90577**	6200
chr11	103219764	103267401	Map3k14	**2.34562**	40871
chr8	110721484	110741400	Mtss1l	**2.15344**	42342
chr6	54595111	54645822	Plekha8	**2.39132**	69775
chr11	95009879	95026087	Samd14	**2.55811**	35441
chr5	134220053	134229625	Ncf1	**1.55907**	19328
chr4	111415006	111460298	Bend5	**2.72666**	21723
chr3	97658212	97673067	Prkab2	**2.07224**	36869
chr8	104831644	104838652	Ces2b	**3.61537**	28607
chr9	75232014	75305450	Myo5c	**2.95889**	83173
chr1	58210397	58268596	Aox4	**2.44954**	50854
chr3	100938860	100969663	Ttf2	**2.36591**	44860
chr5	137641100	137641472	Gm20605	**2.92141**	4550
chr17	37480851	37483529	H2-M2	**2.32893**	14859
chr11	60740059	60777365	Top3a	**2.20793**	34480

chr6	127085116	127109552	9630033F20Rik	**2.46008**	37524
chr6	127453723	127494239	Parp11	**2.73949**	42598
chr19	15955773	15984989	Cep78	**1.76203**	18754
chr1	75485825	75506452	Obsl1	**1.57587**	37967
chr10	127749602	127751798	Gpr182	**1.65**	11671
chr6	119902698	119922823	Rad52	**2.97362**	21083
chr4	117873000	117883476	B4galt2	**1.99278**	20694
chr15	89071198	89075854	1810021B22Rik	**2.37038**	6473
chr11	106789252	106818861	Cep95	**2.86608**	32635
chr3	27183004	27244911	Nceh1	**2.39442**	43931
chr13	8802966	8871736	Wdr37	**2.72951**	91177
chr3	145987870	146021720	Syde2	**2.38877**	54809
chr3	88082051	88121048	Iqgap3	**2.07606**	49203
chr16	33969073	34514027	Kalrn	**3.30907**	233785
chr17	32412461	32424167	Pglyrp2	**1.34805**	16194
chr2	6539699	7396198	Celf2	**2.578**	101412
chr3	19995945	20035310	Hps3	**2.21186**	37977
chr1	181051237	181060667	9130409I23Rik	**0.80579**	6386
chr2	128126038	128162547	Bcl2l11	**2.41354**	70232
chr12	8974001	9028847	Wdr35	**1.86042**	34118
chr6	53815468	53820825	Tril	**2.4014**	53725
chrX	48541626	48594452	Zfp280c	**2.3224**	39778
chr5	138139702	138155744	Zfp113	**2.18241**	58959
chr14	45458792	45530065	Fermt2	**1.66736**	22578
chr9	13619989	13709533	Maml2	**3.30564**	84735
chr19	38097079	38114263	Ffar4	**0.94542**	5499
chr15	75979872	75982285	Ccdc166	**2.85204**	27402
chr3	89869324	89913162	Il6ra	**2.91631**	40708
chr13	49464059	49652731	Cenpp	**3.03545**	13359
chr1	13668771	13701723	Xkr9	**1.39231**	11197
chr10	51490898	51496611	Lilrb4	**1.50033**	9397
chr7	12965864	12973822	Zfp324	**2.08026**	37255
chr17	33380179	33394637	Zfp101	**2.3024**	26255
chr1	33761541	33814595	Zfp451	**2.25693**	53565
chr15	27655071	27681542	Fam105a	**1.94786**	24953
chr12	69201779	69228190	Pole2	**2.28442**	16168
chr17	35199367	35202007	Tnf	**1.73874**	12001
chr15	101128522	101145336	Acvrl1	**3.49798**	55327
chr10	117287795	117292868	Lyz1	**1.078**	5694
chr14	59402011	59440877	Setdb2	**1.97948**	25077
chr11	102453297	102469883	Itga2b	**2.08282**	29891
chr14	79397772	79423650	Mtrf1	**1.97291**	15339
chr3	132684144	132838506	Tbck	**2.48254**	42583
chr9	44998743	45009590	Cd3e	**2.1701**	13012
chr12	72536357	72580213	Pcnxl4	**2.16019**	39868
chr8	79711820	79777321	Anapc10	**2.37662**	27806
chr12	21111756	21269805	Asap2	**1.93081**	42834

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chr13	75645046	75645141	Mir682	**2.18536**	876
chr15	34495311	34530653	Pop1	**1.78027**	25222
chr7	19013283	19023539	Foxa3	**2.95941**	25196
chr7	134266262	134376828	D7Ertd443e	**2.90761**	32428
chr1	91366430	91374217	Fam132b	**3.16307**	37179
chr9	58488603	58499742	6030419C18Rik	**2.56387**	22899
chr2	91096797	91115756	Spi1	**2.48708**	13843
chr11	115912017	115913917	Smim6	**2.7754**	11299
chr4	154021513	154026044	Smim1	**1.85485**	18007
chr1	132026621	132068062	Mfsd4	**3.00576**	60908
chr10	81393064	81395079	Smim24	**3.31456**	7958
chr11	16971206	17008718	Plek	**1.52845**	26275
chr2	37799104	38287384	Dennd1a	**1.52844**	27047
chr2	14026831	14056035	Ptpla	**1.54434**	6500
chr9	60587235	60688134	Lrrc49	**2.07829**	26997
chr7	143665807	143685872	Tnfrsf23	**2.42738**	33275
chr7	126382854	126396737	Nfatc2ip	**1.96209**	27757
chr12	113156421	113165458	4930427A07Rik	**2.17548**	30476
chr4	136172394	136196056	E2f2	**1.72835**	34193
chr1	179528056	179546267	Tfb2m	**2.05407**	20996
chr17	35972539	35979825	Prr3	**2.25273**	21183
chr5	124598749	124627738	Tctn2	**1.81787**	20745
chr11	73090595	73147449	Itgae	**2.04286**	32721
chr3	94837567	94883567	Pogz	**2.4924**	79510
chr1	71585473	71653234	Fn1	**1.38123**	48590
chr9	20428318	20460160	Zfp26	**2.12049**	100999
chr3	29951296	30509487	Mecom	**2.97419**	68353
chr17	35170992	35176001	Aif1	**2.90784**	10624
chr13	4268172	4279399	Akr1c12	**2.07332**	10657
chr3	121155402	121171695	Rwdd3	**1.44754**	10251
chr4	128930233	128962455	Azin2	**2.46526**	28843
chr16	55973268	55974617	2310061J03Rik	**2.34867**	7669
chr15	83866712	84065349	Efcab6	**4.14764**	88515
chr5	108694229	108706950	Fgfrl1	**2.14055**	23739
chr4	151059523	151861768	Camta1	**1.85898**	80564
chr14	11553553	12242039	Ptprg	**2.69533**	103428
chr17	6954965	6961156	Tagap1	**3.09948**	30517
chr12	31519819	31559969	Slc26a4	**1.52116**	19582
chr9	103208876	103230286	Trf	**2.33925**	22778
chr2	109092300	109278290	Mettl15	**2.20317**	17396
chr9	108053159	108055701	Amigo3	**1.5218**	16159
chr13	21513221	21531114	Zkscan8	**1.99678**	74196
chr6	112619851	112696670	Rad18	**1.89013**	21317
chr14	118875520	118923167	Dzip1	**2.99348**	55947
chr5	100846229	100899102	Agpat9	**2.90129**	34853
chr6	57580992	57665136	Herc6	**5.07968**	111969

chr17	32536629	32551797	Cyp4f16	**2.26108**	20459
chr2	114193461	114201432	Zfp770	**1.86509**	33199
chr2	178414534	178422161	Fam217b	**1.4689**	13886
chr2	13510161	13544664	Trdmt1	**2.33697**	25732
chr1	177022115	177248767	Akt3	**2.89737**	57284
chr16	8470813	8490197	Mettl22	**2.41954**	13265
chr5	24592622	24602002	Smarcd3	**2.85446**	20560
chr14	54583663	54605908	4931414P19Rik	**2.38028**	25692
chr10	120083608	120112965	Helb	**1.66191**	31449
chr9	66775487	66795423	Aph1b	**2.07199**	39434
chr16	90738324	90749776	Mrap	**0.50699**	2100
chr9	120539818	120568326	Entpd3	**2.72404**	39264
chr16	11322904	11755473	Snx29	**2.35148**	27610
chr2	146241299	146512004	Ralgapa2	**2.29884**	92245
chr3	152236984	152266320	Nexn	**2.37128**	25387
chr5	143249695	143270022	Zfp316	**2.23798**	64413
chr7	33737193	33739295	Scgb2b24	**0.67181**	1411
chr17	32036162	32062862	Rrp1b	**1.98829**	42150
chr19	11321039	11336146	Ms4a7	**2.22744**	15960
chr14	99046377	99074107	Bora	**1.90319**	18222
chr11	78183059	78183113	Snord42b	**0.94055**	216
chr3	127670310	127780527	Alpk1	**2.44436**	48940
chr4	42953094	42958732	Dnajb5	**2.6147**	25209
chr11	69393612	69395346	Cyb5d1	**1.87216**	5988
chr9	95861369	95951644	Atr	**1.6639**	54796
chr7	16309583	16318334	Bbc3	**1.61475**	13323
chr5	90903899	90905938	Cxcl2	**0.87592**	3961
chr15	84729332	84772207	Arhgap8	**1.68767**	10366
chr3	14533788	14572658	Lrrcc1	**2.34459**	58054
chr15	100502748	100552008	Tfcp2	**2.08441**	28678
chr18	34732997	34751533	Cdc25c	**2.23822**	18140
chr3	88282760	88296838	Tsacc	**2.59009**	5202
chr18	20944625	20983848	Rnf125	**1.3953**	7772
chr3	68892499	69004570	Ift80	**2.0834**	35580
chr1	65186685	65278696	Pikfyve	**1.95191**	91731
chr7	25681158	25686558	B9d2	**2.70783**	11544
chr5	45697184	45857540	Lcorl	**2.57929**	99309
chr9	69397998	69433074	Ice2	**1.92057**	32310
chr14	63372837	63417187	Blk	**1.67025**	17261
chr2	180277646	180289879	Rbbp8nl	**2.40029**	23242
chr17	6904716	6948356	Rsph3b	**2.57802**	17374
chr12	103946932	103956897	Serpina1e	**2.94768**	16899
chr15	78559169	78572783	Rac2	**2.13286**	27038
chr13	111255013	111257749	Actbl2	**1.64345**	18782
chr1	83012523	83038448	Slc19a3	**1.17571**	14600
chr12	4133397	4211605	Adcy3	**2.31251**	35582
chr2	71118054	71142926	Cybrd1	**1.36038**	29583

chr7	101912989	101933857	Lrrc51	**2.63852**	9629
chr6	112273758	112330423	Lmcd1	**1.59342**	11497
chr9	122888471	122896124	Zkscan7	**2.23841**	20824
chr17	32506462	32528894	Cyp4f17	**2.34922**	16607
chr17	24720789	24720905	Snora64	**2.2025**	1076
chr17	24215056	24220769	1600002H07Rik	**1.8995**	16997
chr5	72203329	72298758	Atp10d	**2.40821**	60685
chr15	78597047	78622019	Cyth4	**2.01933**	23533
chr10	126868428	126901371	Xrcc6bp1	**2.3879**	13610
chr5	30888852	30906515	Agbl5	**2.29908**	37017
chr13	54371349	54383917	Cplx2	**2.29164**	47155
chr9	122951081	123018733	Kif15	**1.6753**	33738
chrX	36608183	36645414	Akap17b	**2.95665**	75962
chr11	84876313	84880195	Pigw	**2.04261**	22832
chr11	72154097	72203371	4933427D14Rik	**2.55679**	46248
chr17	21690212	21692213	Gm10509	**2.18031**	18226
chr5	100804802	100820935	Fam175a	**2.07176**	21618
chr2	164189231	164190558	Wfdc12	**1.99587**	6042
chr18	80606205	80713071	Nfatc1	**1.82997**	56796
chr14	70217898	70289449	Ppp3cc	**2.38213**	19376
chr7	79810727	79813431	Mesp2	**2.31327**	18700
chr2	91457531	91513901	Lrp4	**2.57888**	101296
chr15	79889532	79893138	D730005E14Rik	**3.34711**	48147
chr4	147822986	147848375	Zfp933	**2.11742**	37549
chr11	34204341	34208089	Foxi1	**2.93453**	28844
chr6	120324322	120364098	Ccdc77	**2.39051**	26591
chr2	3118388	3227809	Fam171a1	**1.79624**	31096
chrX	16709281	16817366	Maob	**1.36685**	13766
chr11	107547960	107686943	Helz	**2.26265**	58746
chr11	94343295	94392976	Abcc3	**1.16495**	24331
chr11	45945306	45955503	Thg1l	**2.03031**	33639
chr3	110246104	110250999	Prmt6	**2.43916**	43051
chr3	53041547	53261679	Lhfp	**1.98208**	17289
chr16	46394858	46496967	Pvrl3	**2.47553**	42866
chr17	37270234	37274485	H2-M3	**3.35876**	19985
chr11	69686240	69686956	Tnfsf12	**2.30941**	6914
chr12	103321142	103356001	Asb2	**1.76796**	19858
chrX	151344223	151474134	Fam120c	**1.98395**	63845
chr5	120800199	120812514	Oas1c	**3.51202**	33523
chr1	74771892	74785319	Wnt6	**2.46764**	21308
chr11	68985701	69008460	Pfas	**2.08148**	55285
chr17	42708937	42742179	Gpr111	**2.0069**	27511
chr7	41633531	41651532	Zfp788	**2.45599**	39287
chr16	21794347	21809039	1300002E11Rik	**2.091**	34566
chr1	111858702	111864918	Dsel	**1.81129**	43586
chr19	47067748	47083470	Taf5	**2.05451**	27872
chr15	32244813	32696341	Sema5a	**2.04856**	92458

chr7	96210637	96908554	Tenm4	**1.26678**	56243
chr18	3266354	3337589	Crem	**1.8425**	32720
chr14	32513521	32580989	Ercc6	**1.78112**	62635
chr4	41517437	41518929	Fam219aos	**1.42782**	4221
chr2	139833479	140066805	Tasp1	**1.82862**	29885
chr11	82980303	82991830	Slfn9	**2.22008**	35745
chr7	6172513	6193104	Zfp444	**2.58619**	46769
chr7	45131189	45136432	Flt3l	**3.02049**	13558
chr17	45506841	45520843	Aars2	**1.86108**	26025
chr3	96832674	96870926	Pdzk1	**2.26805**	22454
chr5	37338478	37425054	Evc2	**2.07235**	35573
chr15	103503034	103530056	Pde1b	**1.25134**	19160
chr4	141010424	141015984	Mfap2	**2.24836**	10693
chr1	189640614	189688086	Cenpf	**2.09933**	97493
chr17	24753003	24758684	Hs3st6	**2.25043**	11464
chr2	32712900	32712972	Mir3960	**1.85032**	564
chr12	104028769	104044443	Serpina12	**2.67004**	41139
chr6	58933536	59024502	Fam13a	**1.85501**	33252
chr8	77663029	77724452	Ednra	**2.16824**	32982
chr17	32815453	32830261	Zfp799	**1.68029**	44510
chr6	118151748	118197744	Ret	**2.9769**	75376
chr10	11149430	11215273	Shprh	**2.20926**	85689
chr3	95988836	95995839	Plekho1	**2.17793**	12386
chr6	48537569	48541800	Atp6v0e2	**2.36645**	18122
chr16	4480228	4523053	Srl	**1.62823**	33844
chr5	12383166	12588943	Sema3d	**3.03156**	82545
chr12	84100654	84109783	Acot6	**1.10729**	8424
chr8	33234373	33385527	Wrn	**2.47892**	66069
chr16	15550986	15594518	Ube2v2	**2.10835**	51870
chr1	165788681	165862112	Cd247	**2.21721**	15609
chr7	15971262	15999495	Gltscr1	**1.90963**	42739
chr7	127865359	127876823	Zfp668	**2.14571**	30919
chr3	92352143	92353449	Sprr2e	**0.88838**	2400
chr1	85199611	85213762	Gm7609	**5.79745**	38998
chr16	14906646	14924522	Efcab1	**2.8032**	13203
chr6	112717972	112947266	Srgap3	**2.83573**	105216
chr7	97332323	97350216	Kctd21	**1.84472**	22900
chr12	12936093	12941836	Mycn	**1.53132**	16599
chr19	41274218	41385070	Pik3ap1	**1.49978**	16376
chr15	102536644	102625421	Atf7	**2.12152**	25282
chr3	107326110	107333289	Rbm15	**2.36855**	32340
chr5	138264053	138266661	6330418K02Rik	**2.06176**	3478
chr17	63045952	63500580	Fbxl17	**1.97277**	139936
chr17	33016864	33033381	Zfp763	**2.22922**	31508
chr1	180935039	180938401	Lefty1	**2.291**	15344
chr4	149715375	149738068	Tmem201	**1.82448**	48040
chr12	76546972	76547925	AI463170	**1.44804**	3265

chr19	18670780	18704792	2410127L17Rik	**1.77331**	15505
chr8	22227303	22261332	Thsd1	**1.62865**	30126
chr14	47240944	47276857	Wdhd1	**1.71477**	29886
chr1	74661754	74697973	Ttll4	**1.75972**	31250
chr4	21757382	21767211	Tstd3	**1.91575**	10487
chr7	127403668	127406822	Zfp764	**2.9713**	31116
chr7	19903578	19921143	Pvr	**2.34342**	28259
chr5	122239495	122264460	Tctn1	**2.56161**	29275
chr9	41013641	41157494	Ubash3b	**1.94902**	26392
chr19	45363734	45533343	Btrc	**2.65012**	69990
chr15	77940522	77956722	Foxred2	**1.17905**	24079
chr2	9914552	10048609	Taf3	**1.83873**	36891
chr11	5058128	5060374	Rasl10a	**1.23908**	5686
chr4	59314683	59438633	Susd1	**2.50445**	34457
chr19	8888387	8888698	5730408K05Rik	**1.32872**	1731
chr9	20637749	20642806	Fbxl12	**2.26593**	20115
chr1	172630769	172632974	Dusp23	**1.84512**	10917
chr3	135212563	135273540	Cenpe	**2.12419**	69298
chr17	59001401	59013322	Nudt12	**1.41458**	13467
chr8	105264648	105269326	Fbxl8	**2.33117**	18504
chr8	111448784	111522107	Wdr59	**1.92716**	41031
chr18	67321209	67344103	B430212C06Rik	**1.09209**	11961
chr16	90386397	90499553	Hunk	**1.61032**	33680
chr1	161038092	161038156	Snord47	**1.1643**	316
chr3	104864506	104930063	St7l	**2.53474**	60582
chr11	105179342	105181433	1700052K11Rik	**1.85116**	15405
chr7	119895861	119916756	Lyrm1	**2.1586**	13610
chr11	116062096	116077961	Unc13d	**2.03227**	33663
chr2	179976853	179979013	4921531C22Rik	**2.24833**	17884
chr2	38511697	38587490	Nek6	**1.27782**	17458
chrX	53642489	53643763	Cxx1a	**1.63418**	8700
chr6	121300296	121337718	Slc6a13	**1.12505**	10100
chr5	36017181	36398139	Sorcs2	**1.54872**	36996
chr7	19282624	19296164	Rtn2	**1.92402**	16887
chr10	80808496	80813498	Jsrp1	**1.85563**	8647
chr17	69156810	69289987	Epb4-1l3	**1.97763**	33402
chrX	137049594	137082501	Fam199x	**1.71728**	59494
chr5	33995984	34005916	Nat8l	**1.98647**	54155
chr9	107651155	107668968	Slc38a3	**1.67908**	19112
chr17	33289544	33304689	Zfp955b	**2.11235**	28542
chr11	106768204	106779537	Polg2	**2.22964**	14030
chr2	156840007	156855569	Tgif2	**2.6452**	21074
chr4	84884309	85131921	Cntln	**2.01936**	58593
chr15	81400188	81454888	Xpnpep3	**1.49016**	20135
chr14	75847923	75848034	Snora31	**0.64363**	301
chr17	34589806	34591754	Gpsm3	**2.61782**	14680
chr9	44686308	44735198	Phldb1	**2.38658**	54420

chr8	71676383	71688313	Jak3	**1.62228**	24921
chr10	79664574	79668536	Madcam1	**1.29899**	7702
chr1	119658093	119837071	Ptpn4	**2.0397**	40080
chr6	18170687	18322769	Cftr	**3.44106**	90577
chr18	78750378	79109391	Setbp1	**2.20407**	91617
chr18	36671159	36679214	Apbb3	**2.3988**	19131
chr11	61485444	61488704	Mfap4	**2.22412**	14051
chr7	12897809	12909083	Zscan22	**2.01454**	29500
chr19	36731731	36736604	Ppp1r3c	**1.49056**	16655
chrX	135743442	135803468	Gprasp1	**1.77296**	41420
chr6	124530344	124542359	C1s1	**1.58803**	19793
chr13	23583670	23621124	Hist1h2be	**0.88803**	9307
chr17	14947736	14948823	LOC106740	**1.41868**	6445
chr1	191045830	191062932	Tatdn3	**2.1976**	11360
chr2	33406108	33431324	Zbtb34	**2.14704**	59187
chr10	23785347	23785451	Snora33	**1.08113**	474
chr10	13090788	13131695	Plagl1	**1.80868**	39732
chr19	34922358	34975731	Kif20b	**1.97913**	45972
chr19	3913491	3929716	Aldh3b1	**2.62826**	20105
chr1	74191786	74194631	Cxcr1	**0.8672**	4070
chr1	172541620	172550806	4933439K11Rik	**2.65782**	10443
chr8	105269801	105275845	Hsf4	**1.03734**	7593
chr15	101224207	101232756	Grasp	**2.40645**	20237
chr14	65192441	65262463	Fzd3	**1.93956**	103193
chr18	47245254	47368868	Sema6a	**1.47256**	42389
chr9	21937010	21948907	Lppr2	**1.50592**	17336
chr4	127047094	127061132	Zmym1	**2.26873**	36301
chr14	54852737	54864158	Homez	**1.80864**	43998
chr4	11191351	11204779	Ccne2	**2.35914**	14638
chr7	5034446	5038446	Zfp784	**2.65327**	23775
chr1	51289126	51302960	Sdpr	**1.67699**	21392
chrX	136708065	136709866	Tceal1	**1.973**	9128
chr5	33213518	33218238	Spon2	**2.11977**	19800
chr19	10570478	10577156	Tmem138	**2.33327**	17488
chr17	86167785	86657919	Prkce	**1.87335**	48920
chr4	155260118	155361428	Prkcz	**2.76818**	53759
chr13	91707902	91741872	4833422C13Rik	**1.08065**	13988
chr7	46686108	46710651	Saal1	**2.2309**	43772
chr17	79051906	79090243	Qpct	**2.16625**	17403
chr13	67617001	67637753	A530054K11Rik	**2.14562**	46399
chr9	43221278	43239816	Oaf	**3.03296**	30242
chr6	40325478	40396762	Agk	**1.81518**	16864
chr13	106947129	106960224	Dimt1	**2.17519**	23115
chr5	138264925	138272754	Gal3st4	**1.71169**	20248
chr12	110889264	110972394	Tecpr2	**1.80958**	59994
chr7	91090786	92449246	Dlg2	**2.23585**	74892
chr15	58872649	58876781	Trmt12	**1.81453**	31314

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chr9	101922128	102354693	Ephb1	**1.81853**	35438
chr8	124722139	124734123	Arv1	**1.54035**	7493
chr8	57455923	57477585	Scrg1	**1.81124**	5294
chr2	32712807	32712888	Mir2861	**1.98895**	681
chr11	69823123	69834849	Nlgn2	**1.86643**	38982
chr2	4152863	4614043	Frmd4a	**1.36861**	42677
chr2	119609532	119618297	Oip5	**2.14885**	12104
chr15	79995876	80014808	Pdgfb	**1.82582**	22429
chr12	104406708	104414329	Serpina3n	**1.07972**	9400
chr8	11312829	11449287	Col4a2	**1.22806**	32951
chr6	18366477	18514825	Cttnbp2	**2.08238**	51570
chr19	40596446	40612215	Tctn3	**2.22582**	25326
chr4	20008428	20030785	Ttpa	**1.37655**	17548
chr2	37569868	37647285	Strbp	**1.80739**	123375
chr5	8422838	8454839	Slc25a40	**2.32192**	27515
chr5	25530018	25531466	1700096K18Rik	**1.99742**	12085
chr13	67389328	67399767	Zfp429	**3.09606**	26269
chr5	38200044	38220428	Zbtb49	**2.00346**	24971
chr9	8021672	8042823	9230110C19Rik	**1.40415**	9334
chr11	100694884	100704271	Dhx58	**4.05199**	40809
chr3	87971093	87980451	Nes	**1.61366**	41276
chr7	4992852	4996101	Zfp579	**2.29652**	20703
chr1	21218575	21230167	Tmem14a	**2.12493**	11987
chr15	66780819	66831829	Sla	**1.97896**	25905
chr17	3326573	3519255	Tiam2	**2.29755**	65437
chr1	91494668	91529307	Traf3ip1	**2.20804**	32269
chr3	7366604	7445365	Pkia	**2.06072**	31682
chr8	36094828	36147787	D8Ertd82e	**1.93898**	38700
chr10	30645582	30803107	Ncoa7	**1.53624**	34241
chr18	84207702	84589504	Zfp407	**1.90258**	62823
chrX	48623578	48662298	Slc25a14	**1.81736**	14160
chr4	154922210	154928077	Tnfrsf14	**3.38211**	12611
chr11	114996769	115001880	AF251705	**1.50739**	7169
chr16	17070139	17086555	Ypel1	**1.5226**	17954
chr8	111912018	111933791	Tmem231	**1.78362**	21501
chr10	5811887	5823943	Mtrf1l	**2.45741**	26894
chr14	32959547	33185066	Wdfy4	**1.00579**	40657
chr7	127390836	127393621	E430018J23Rik	**1.87718**	16954
chr12	85686720	85709087	Batf	**2.0574**	7766
chr10	58600788	58675696	Edar	**2.36595**	36355
chr12	87106866	87147902	Pomt2	**1.82328**	34891
chrX	20933395	20950608	Elk1	**1.82042**	26969
chr19	56874416	56912078	Vwa2	**2.29139**	37142
chr13	58402248	58411149	Rmi1	**1.65132**	25905
chr14	34237035	34310503	Fam35a	**1.7248**	24861
chr2	22774327	22875653	Apbb1ip	**1.3536**	14356

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chr13	37345345	37419036	Ly86	**2.58132**	10746
chr2	113327736	113716767	Fmn1	**1.94825**	111034
chr1	192136898	192151025	Gm10516	**2.1127**	23042
chrX	157443954	157492046	Sms	**1.90508**	26863
chr11	100462612	100472782	Klhl11	**2.25619**	22949
chr1	160044380	160078586	4930523C07Rik	**2.04733**	41025
chr11	102905519	102925124	Kif18b	**1.45009**	20199
chr10	128232063	128252941	Timeless	**1.72927**	32601
chr7	99267447	99337137	Map6	**2.04514**	29299
chr6	3457089	3494498	Hepacam2	**3.60662**	33673
chr6	147032537	147033518	Rep15	**4.03575**	16548
chr4	153964449	153975081	Dffb	**1.61002**	13768
chr14	16430840	17082331	Rarb	**2.41775**	38120
chr7	28359604	28372662	Plekhg2	**1.79878**	39597
chr2	94406707	94411680	2810002D19Rik	**2.38667**	14769
chr4	19876838	19922566	Atp6v0d2	**1.88952**	19748
chr19	10718143	10738974	Cd5	**1.91281**	16525
chr16	93583461	93603815	Setd4	**1.77801**	13549
chr8	110217960	110224489	Cmtr2	**2.34149**	34972
chr15	103240454	103241079	Gm5643	**1.92258**	578
chr7	29304005	29317586	Dpf1	**0.93578**	8901
chr4	57845248	57896984	Akap2	**1.36307**	39095
chr7	122169893	122186216	Ern2	**2.66792**	33119
chr8	83434492	83458396	Scoc	**1.87533**	16303
chr8	83165352	83272940	Tbc1d9	**1.5078**	36818
chr17	56775897	56831008	Rfx2	**2.54191**	35588
chr2	69670120	69684239	Klhl41	**1.51904**	16098
chr5	104525735	104554211	D930016D06Rik	**1.58401**	25193
chr6	127577975	127629938	Cracr2a	**2.2014**	10056
chr7	41372930	41393260	AI987944	**1.75863**	20649
chr5	122731170	122779410	Camkk2	**1.85828**	37935
chr7	127510438	127512869	1700008J07Rik	**1.70362**	17300
chrX	134295225	134305969	Tmem35	**2.20999**	17699
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chr18	61696837	61707635	Pcyox1l	**1.67407**	14099
chr2	121506723	121544859	Wdr76	**1.63779**	29023
chr12	75308313	75401455	Rhoj	**1.83864**	18103
chr5	97082329	97111596	Paqr3	**1.49234**	8568
chr18	35656689	35662186	Spata24	**1.61589**	6538
chr4	45799022	45804608	Aldh1b1	**2.38243**	22900
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chr8	120736358	120756692	Irf8	**2.19212**	31423
chr10	86779005	86838389	Nt5dc3	**2.30237**	57220
chr9	121981606	121996026	Pomgnt2	**1.58896**	17111
chr11	4091481	4095431	Mtfp1	**1.97512**	11513
chr15	60823992	60831400	9930014A18Rik	**1.98947**	31841

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chr18	67800107	67885170	Cep192	**2.09026**	70635
chr4	43448260	43454626	Cd72	**2.26209**	11240
chr3	107888850	107896213	4933431E20Rik	**1.84862**	33176
chr12	4211672	4234294	Cenpo	**1.95163**	24822
chr8	68356781	68735146	Csgalnact1	**1.44208**	25573
chr1	135836334	135852268	Tnnt2	**1.88322**	9845
chr16	35770386	35828462	Hspbap1	**1.97713**	38025
chr2	177828991	177840318	Gm14325	**2.51362**	45929
chr10	127677065	127701047	Tmem194	**1.9321**	48413
chr15	32240568	32244662	Snhg18	**2.35664**	14593
chr14	67676354	67715841	Cdca2	**1.67577**	27513
chr17	48346401	48352276	Trem2	**1.50779**	7215
chr7	31051678	31055656	Fxyd1	**1.71344**	5094
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chrX	73716597	73738287	Abcd1	**2.07529**	29471
chr1	130800902	130814740	Fcamr	**1.81054**	14447
chr12	117516479	117756978	Rapgef5	**1.6553**	27557
chr3	28263214	28670585	Tnik	**1.86743**	55479
chr10	80016672	80031471	Hmha1	**1.79778**	30417
chr1	165865154	166002634	Pou2f1	**1.98906**	90470
chr7	24507087	24515682	Zfp428	**2.21164**	11331
chr5	143910001	143931756	Pms2	**1.87815**	25354
chr7	102083116	102083186	Trpc2	**1.79113**	531
chr15	11000721	11029233	Slc45a2	**1.77431**	22100
chr7	102015077	102018155	Il18bp	**3.38107**	19793
chr19	10842544	10857828	Slc15a3	**1.38105**	13021
chr17	29318882	29328902	Pi16	**2.09814**	19668
chr7	30417712	30419854	Hcst	**2.34669**	4331
chrX	150571507	150588149	Apex2	**2.05302**	16159
chr9	64137144	64172931	Zwilch	**1.77015**	18700
chr8	45305802	45333196	Cyp4v3	**2.41878**	29592
chr11	83662584	83664683	Ccl4	**1.66918**	4600
chr4	120267078	120287261	Foxo6	**1.34335**	14180
chr17	33333728	33358878	Zfp81	**1.81187**	17045
chr7	118597297	118675085	Tmc5	**2.25668**	40584
chr2	139678178	139758581	Ism1	**1.55722**	19279
chr2	18842256	18998121	Pip4k2a	**1.87978**	27244
chr8	79028437	79193766	Zfp827	**1.94403**	61724
chr10	77978650	77985438	1810043G02Rik	**1.91424**	13556
chr2	160770447	160872990	Zhx3	**1.45892**	27291
chr9	76014977	76136350	Hmgcll1	**2.81586**	42504
chr4	129608331	129614257	Dcdc2b	**2.10747**	7603
chr7	142966822	142969264	Ascl2	**2.50144**	16837
chr7	140218267	140231145	Cd163l1	**2.30145**	33192
chr17	34857569	34857632	Mir6972	**1.22365**	327
chr10	30196009	30200540	Cenpw	**1.99355**	12586

chr17	35917889	35917969	Mir1894	**0.82787**	280
chr17	21383748	21399265	Zfp677	**2.24622**	27312
chrX	20425688	20519939	Jade3	**1.83714**	38286
chr9	99629595	99669256	Dzip1l	**1.11326**	18259
chr8	94472763	94527272	Nlrc5	**2.27798**	66059
chr10	67886105	67912662	Zfp365	**1.95554**	34760
chr12	70991615	71015823	3110056K07Rik	**2.06298**	13679
chr16	97791467	97851227	Prdm15	**1.76584**	46791
chr6	145808383	145817584	Rassf8	**2.22369**	16091
chr13	21831793	21832158	Hist1h4n	**0.38279**	585
chr17	25794571	25797045	Metrn	**1.81753**	10344
chr6	47835661	47868257	Zfp398	**1.69958**	24682
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chr13	59449535	59557347	Agtpbp1	**1.70187**	43163
chr2	11705293	11733985	Il15ra	**2.48249**	20949
chr9	22071002	22086131	Gm16845	**1.79413**	9147
chr14	103650243	103704799	Slain1	**1.61221**	17395
chr1	97770179	97792971	Gin1	**1.77888**	15160
chr3	122729158	122859374	Pde5a	**1.86246**	51894
chr10	41718840	41809868	Cep57l1	**1.91511**	18704
chr10	69208552	69291784	Rhobtb1	**2.17557**	42005
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chr6	72368049	72380468	Vamp5	**2.26892**	15613
chr5	134600103	134615025	Lat2	**1.36762**	9548
chr17	57092023	57105942	Gm11110	**0.8814**	3776
chr5	124061857	124095798	Abcb9	**1.9535**	27195
chr16	36792884	36874826	Eaf2	**2.77004**	25099
chr5	124118689	124249760	Pitpnm2	**1.78172**	54748
chr11	58199556	58207592	Igtp	**5.72968**	48399
chr4	54947945	55083563	Zfp462	**1.36804**	59956
chr5	130255619	130341567	Tyw1	**1.91984**	53116
chr9	78230669	78242683	Gsta1	**2.83718**	10200
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chr13	51408618	51422797	S1pr3	**1.62901**	30500
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chr5	100762148	100798600	Helq	**1.5365**	23661
chr5	47983155	48306282	Slit2	**3.08442**	110180
chr12	71136848	71243303	2700049A03Rik	**1.53108**	36843
chr15	75862339	75867404	Gsdmd	**2.52464**	18722
chr9	59734259	59750649	Senp8	**1.99052**	32290
chr10	127321964	127329881	Arhgap9	**1.67426**	16876
chr12	116207050	116263025	Wdr60	**1.7246**	26824
chr4	118554551	118620405	Cfap57	**1.45896**	23728
chr10	79689020	79695260	Gzmm	**1.53789**	8258
chr12	57303345	57457241	Mipol1	**1.98946**	10525
chr4	141614233	141618633	Tmem82	**0.879**	6133

chr9	53437122	53536671	Atm	**1.8293**	91384
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chr8	94810453	94812036	Ccl17	**1.81715**	3900
chr9	15316998	15357788	5830418K08Rik	**1.61117**	49023
chr19	11067471	11081103	Ms4a8a	**3.6528**	16503
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chr2	158353700	158361509	9430008C03Rik	**1.86756**	24634
chr14	57582271	57664956	Xpo4	**1.55094**	22381
chr19	5474690	5481854	Efemp2	**1.88356**	14487
chr17	29695977	29717017	Ccdc167	**2.0467**	44294
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chr13	45549756	45964991	Atxn1	**1.92679**	85337
chr7	58658202	58829426	Atp10a	**1.42197**	32472
chr9	37603294	37613720	Spa17	**2.27482**	6554
chr10	76761854	76961947	Pcbp3	**1.60366**	14564
chr6	8509600	8597549	Glcci1	**1.73608**	45292
chr17	35185095	35188440	Lst1	**3.34367**	5808
chr15	74721234	74724373	Them6	**1.76577**	10971
chr10	53537324	53630439	Mcm9	**2.40877**	38954
chr4	45018609	45034247	Polr1e	**1.69365**	25876
chr7	127296260	127335137	Itgal	**1.52854**	33329
chr1	83116766	83119167	Ccl20	**1.3402**	4488
chr1	152517530	152625111	Rgl1	**1.70694**	27704
chr1	20777146	20784270	Il17f	**1.13809**	5598
chr2	158306493	158332852	Lbp	**1.58055**	16664
chrX	73342620	73359079	Zfp275	**1.69545**	45138
chr2	84330627	84425266	Calcrl	**1.86238**	36829
chr1	194619829	194816868	Plxna2	**1.34039**	61761
chr5	140663505	140702378	Iqce	**1.82352**	33190
chr5	108660331	108685446	Idua	**1.70453**	31131
chr18	61639653	61647503	Gm20748	**2.36551**	6114
chr1	33719896	33742564	Rab23	**1.95676**	36661
chr15	78480549	78495066	Il2rb	**2.05611**	23146
chr1	134962565	134974179	Ube2t	**2.19601**	8766
chrX	162779091	162829454	Txlng	**1.34879**	31043
chr6	126923419	126939555	Rad51ap1	**1.77759**	13620
chr5	52783067	52819765	Zcchc4	**1.65603**	13304
chr13	21735096	21735407	Hist1h4j	**1.04163**	1357
chr13	94356749	94358923	Gm9776	**1.74306**	15830
chr1	153503016	153549714	Npl	**2.13596**	12513
chr9	51765352	51853059	Arhgap20	**1.14367**	29617
chr15	76701542	76704239	Mfsd3	**1.63559**	11931
chr4	34024872	34050065	Spaca1	**1.29532**	7280
chr6	83743017	83758810	Atp6v1b1	**2.71308**	21830

chrX	53607922	53609134	Cxx1c	**0.83143**	3305
chr10	76545871	76562226	4930483K19Rik	**1.06778**	4677
chr11	69299496	69323873	Cntrob	**2.00003**	32987
chr8	94533028	94570529	Cpne2	**2.47866**	23825
chr1	171682055	171705257	Cd48	**1.94613**	9280
chr13	94057796	94195409	Lhfpl2	**1.07953**	19599
chr2	20968874	20970348	Gm13375	**1.7425**	10077
chr10	83487447	83534140	Aldh1l2	**1.02469**	25800
chr5	52374651	52471543	Ccdc149	**1.75377**	24290
chr12	86056743	86079041	Tgfb3	**1.64121**	23197
chr6	119175253	119221614	Dcp1b	**1.9615**	27118
chr10	75948312	75949646	Vpreb3	**1.96964**	4951
chr7	48959073	49610088	Nav2	**1.54205**	77691
chr3	88532395	88541394	Mex3a	**1.90773**	45357
chr1	132356315	132391281	Tmcc2	**1.43688**	20459
chr10	128296140	128298084	Il23a	**1.45158**	8237
chr2	80638812	80660071	Nup35	**1.58274**	18987
chr8	22787354	22805654	Ap3m2	**1.54671**	22391
chr14	63492347	63509092	Tdh	**0.69377**	5449
chr10	127070481	127071101	LOC100504703	**3.08791**	4242
chr14	57806561	57826163	Ska3	**1.54705**	14599
chr11	103774175	103818021	Wnt3	**1.51944**	19763
chr16	44347401	44388492	Spice1	**2.06221**	37388
chr6	123262107	123275268	Clec4d	**0.85991**	4797
chr7	45335269	45338972	Hrc	**1.25137**	12697
chr6	117933559	117937335	Fxyd4	**2.44636**	5659
chr7	16175325	16186503	Meis3	**2.61901**	20067
chr5	139380667	139396414	Gpr146	**1.92864**	34000
chr6	115134902	115282626	Syn2	**0.77409**	18262
chr2	38723374	38926461	Nr6a1	**1.53377**	40379
chr10	78042287	78063622	Dnmt3l	**0.9786**	10910
chr17	25188400	25234317	Unkl	**1.91402**	39121
chr11	120348678	120351190	0610009L18Rik	**1.83662**	4747
chr17	45555716	45563168	Nfkbie	**1.40846**	14238
chr18	44828665	44889720	Ythdc2	**1.72621**	45402
chr8	105703652	105708168	Enkd1	**1.48383**	7912
chr1	38175991	38627244	Aff3	**2.21517**	67068
chr11	5861866	5872179	Aebp1	**1.23518**	20661
chr9	99612502	99622367	A4gnt	**0.78979**	9092
chr3	36151080	36170341	D3Ertd254e	**1.42025**	39288
chr7	64346758	64374095	Fan1	**1.52041**	22061
chr6	83512909	83536251	Actg2	**0.83558**	4588
chr6	115583547	115592576	Mkrn2os	**1.74954**	18548
chrX	20925535	20931524	Cfp	**1.50075**	9550
chr9	59751174	59928866	Myo9a	**1.63476**	81734
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chr5	24164963	24184008	Nupl2	**1.61297**	19592

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chr5	149678257	149762599	B3glct	**1.87465**	35561
chr2	156995062	157007075	Dsn1	**1.82278**	17376
chr16	20695057	20702965	Fam131a	**1.25537**	11532
chr4	129425765	129440818	Zbtb8b	**2.68044**	36800
chr2	128926268	128944020	Zc3h8	**1.67659**	10970
chr15	100614140	100615110	C330013E15Rik	**1.82046**	6674
chr8	122443656	122446476	9330133O14Rik	**1.25843**	12858
chr17	36881598	36890125	Trim40	**2.04707**	18779
chr11	35121456	35708507	Slit3	**1.19357**	24899
chr16	49699294	49765126	Ift57	**1.87011**	19834
chr15	53461801	53902436	Samd12	**3.03236**	11826
chr4	156034837	156050817	Ttll10	**2.23785**	21557
chrX	164373548	164402647	Figf	**2.47675**	19401
chr4	148006484	148038767	Clcn6	**1.24437**	15120
chr10	62340607	62349866	Hk1os	**0.93561**	2176
chr10	110941780	111010066	Zdhhc17	**1.57971**	29999
chr4	34949074	35157484	Mob3b	**1.33027**	33494
chr19	29047483	29048729	1700018L02Rik	**1.17615**	5024
chr6	135197987	135236240	8430419L09Rik	**2.11434**	37159
chr13	38345716	38499728	Bmp6	**2.10574**	21190
chr19	57452906	57491005	Trub1	**1.5602**	41661
chr19	46761609	46878580	Cnnm2	**1.62581**	22606
chr1	193104403	193130251	Diexf	**1.76536**	40896
chr11	5969666	6065748	Camk2b	**1.54476**	26852
chr10	82985497	83195891	Chst11	**1.79122**	41278
chr15	74669081	74672570	Arc	**1.67276**	21366
chr13	67173182	67183498	Rsl1	**2.19337**	18729
chr17	24639282	24650305	Slc9a3r2	**2.16922**	20443
chr1	178529125	178932857	Kif26b	**1.24254**	38424
chr3	151798610	151837528	Ptgfr	**2.0646**	38052
chr15	101754259	101763504	Krt74	**1.2594**	8356
chr19	46707443	46741095	As3mt	**2.20466**	16119
chrX	75404846	75416584	Mtcp1	**1.67371**	12244
chr3	146597149	146631483	Uox	**0.34995**	2693
chr15	100641082	100669500	Bin2	**1.43804**	11877
chr2	105536080	105670330	Pax6os1	**3.16721**	19361
chr8	105605229	105622218	Fam65a	**1.30994**	22442
chr9	78175914	78178882	C920006O11Rik	**1.56207**	9438
chr2	32777828	32784405	1700019L03Rik	**1.14559**	7156
chr11	73304988	73324637	Aspa	**2.4856**	15952
chr5	137865829	137871758	Pilrb2	**1.57426**	11878
chr12	15791727	15816785	Trib2	**1.72219**	30188
chr2	131992850	132029988	Rassf2	**1.26708**	25316
chr6	115853528	115926699	Ift122	**1.86105**	31604
chr6	36846022	37299976	Dgki	**0.96661**	18558
chr3	89183225	89189289	Fam189b	**1.94224**	24808

chr17	53674787	53689315	Sgol1	**1.42062**	21408
chr10	63382443	63408840	Dnajc12	**1.05271**	6000
chr6	83671207	83677857	Cd207	**2.19957**	14052
chr3	142560052	142573212	Gbp3	**4.70361**	58370
chr18	67617397	67641336	Cep76	**1.24368**	20663
chr4	45034280	45084604	Fbxo10	**1.73696**	33377
chr9	64235201	64236362	Uchl4	**1.1954**	5800
chr15	31441210	31453689	Ropn1l	**0.92112**	3500
chr3	146852367	146982750	Ttll7	**1.14475**	29038
chr7	30434980	30445582	Aplp1	**1.7214**	17193
chr9	86307234	86464916	Ube2cbp	**1.7671**	13488
chr1	144244669	144249104	Rgs1	**1.33215**	7398
chrX	48411049	48463132	Elf4	**1.92818**	47075
chr7	90124836	90129936	2310010J17Rik	**1.29406**	2907
chr9	62122518	62122594	Mir5133	**1.41829**	456
chr2	66184327	66256617	Ttc21b	**1.7664**	32969
chr10	3973075	4167081	Mthfd1l	**1.45569**	26331
chrX	151047170	151086981	Fgd1	**1.61645**	19830
chr11	58214977	58222783	Irgm2	**3.11993**	45778
chr17	71019557	71126856	Myom1	**1.31718**	30871
chr9	44452715	44454767	Upk2	**2.75251**	10045
chr5	103605711	103629403	Slc10a6	**1.63461**	14497
chr18	67088298	67226782	Gnal	**1.98131**	47156
chr8	105329160	105347970	Fhod1	**1.66085**	27379
chr18	31437808	31447415	Syt4	**1.51596**	24693
chr2	127800200	127831859	Bub1	**1.58333**	28653
chr4	106651069	106655282	Pars2	**1.42309**	18284
chr5	43868827	43912374	Cd38	**1.57305**	19672
chr11	97627387	97629716	E130012A19Rik	**1.72681**	16800
chr1	135799421	135810989	Tnni1	**1.18348**	5505
chr5	124834432	124862221	Ccdc92	**1.82039**	17148
chr7	105558465	105581653	Apbb1	**1.64415**	21790
chr11	3983636	3999328	Gal3st1	**2.60287**	22204
chrX	73234076	73243130	Xlr4c	**3.39342**	17329
chr7	30973804	30989725	Fam187b	**2.0107**	22383
chr16	50726751	50732773	5330426P16Rik	**1.1593**	8234
chr3	89391864	89398779	Gm15417	**1.37188**	8982
chr8	125669818	125673365	Map10	**1.72801**	25600
chr4	154170713	154275721	Megf6	**1.7988**	51645
chr5	142871789	142895238	Fbxl18	**1.56706**	18524
chr16	22381313	22439570	Etv5	**1.34922**	21532
chr13	67667441	67683512	Zfp738	**1.55914**	29322
chr6	87458545	87533259	Arhgap25	**1.33914**	23837
chr11	87089156	87108714	Prr11	**1.7705**	28292
chr7	24291046	24299549	Zfp61	**1.48379**	14541
chr13	13784539	13827895	Gng4	**1.57558**	19526
chr1	172475360	172478409	Slamf9	**1.88184**	8997

chr1	136624901	136630391	Zfp281	**1.87666**	41335
chr4	45184906	45285936	Frmpd1	**2.21087**	44422
chr2	136892263	137068393	Slx4ip	**2.01688**	13087
chr10	84917613	85018337	Ric8b	**1.91772**	39733
chr5	112910478	113015538	Adrbk2	**1.13719**	31339
chr11	97923237	97986446	Plxdc1	**2.19376**	26610
chr1	164796732	164824266	Dpt	**2.67525**	18275
chr10	39732160	39875205	Rev3l	**1.64507**	73258
chr11	58948911	58949372	Hist3h2ba	**1.1902**	2296
chr6	108065045	108077127	Setmar	**1.94786**	14396
chr19	42074939	42086370	Morn4	**1.43748**	10900
chr4	43507026	43513725	Car9	**1.15027**	9409
chr16	14194527	14291408	Myh11	**0.81399**	22541
chr9	20868642	20874307	A230050P20Rik	**2.02884**	12021
chr13	96416134	96471160	Ankdd1b	**3.17574**	43958
chr4	12906837	12981485	Triqk	**2.06607**	12949
chrX	134537258	134541629	Timm8a1	**1.75985**	8693
chr6	92370892	92706184	Prickle2	**1.33918**	48514
chr6	55336299	55348555	Aqp1	**1.24084**	14300
chr7	127132232	127137823	Spn	**1.34513**	26370
chr9	96943482	97018355	Spsb4	**1.22847**	11449
chr4	96568429	96591485	Cyp2j9	**2.39528**	19443
chr11	120064430	120086827	Cep131	**1.34157**	20043
chr6	61180325	62382863	Ccser1	**1.9521**	45662
chr19	38836579	38919923	Tbc1d12	**1.75052**	30765
chr6	81923669	81956955	Gcfc2	**1.78094**	16583
chr5	43662379	43740970	Cc2d2a	**1.53619**	34952
chr16	75858794	75909266	Samsn1	**1.35452**	10435
chr2	25293657	25298928	Grin1os	**2.07574**	13755
chr10	91083039	91102613	Ikbip	**1.81996**	31233
chrX	7878306	7883432	Pim2	**1.1436**	9746
chr4	43496144	43499660	Arhgef39	**1.86233**	12613
chr16	90751527	90810413	Urb1	**1.39728**	42970
chr3	79629079	79632819	4930579G24Rik	**1.22847**	10100
chr7	44303766	44306959	Clec11a	**1.34671**	10999
chr5	134184038	134218143	Gtf2ird2	**1.73383**	25107
chr1	88258856	88277220	Hjurp	**1.5006**	11529
chr14	51984833	52006074	Arhgef40	**1.82061**	39994
chr3	137623672	137628332	Ddit4l	**1.10891**	12599
chr7	118712611	118737018	Ccp110	**1.22715**	25661
chr14	99099424	99254494	Pibf1	**1.66469**	20547
chr19	10245265	10304877	Dagla	**1.2599**	29639
chr6	148921059	148946432	Fam60a	**1.66691**	18361
chr5	33378696	33419754	Uvssa	**1.66278**	50864
chr13	63300484	63300557	Mir23b	**0.37542**	116
chr4	115299046	115332815	Cyp4a12a	**0.73083**	7391
chr6	123281789	123289871	Clec4e	**0.57757**	6075

chr7	30565427	30567962	Igflr1	**1.87252**	9273
chr4	41495601	41503075	AI464131	**0.85351**	14879
chr14	48120869	48260883	Peli2	**1.98579**	48498
chr17	35251379	35251405	Mir8094	**0.82492**	93
chr8	84815405	84832265	Dand5	**1.32319**	9282
chr17	75005529	75392967	Ltbp1	**1.90069**	64578
chr2	92382918	92383603	1700029I15Rik	**1.53761**	2337
chr2	60251993	60284484	Cd302	**1.83575**	10348
chr17	35113946	35115400	Ly6g5b	**1.65031**	7263
chr8	47180048	47352348	Stox2	**1.7207**	77876
chr3	79885930	79946278	Fam198b	**1.53951**	42600
chr5	151037515	151190193	Stard13	**1.2723**	29952
chr11	53950824	53980027	Slc22a21	**2.55704**	24525
chr2	48949508	49317069	Mbd5	**1.71982**	45708
chr1	87574027	87597840	Neu2	**1.51761**	12756
chr13	67471513	67484253	Zfp874b	**2.0313**	31993
chr5	37299171	37336881	Evc	**1.73776**	31288
chr17	47630690	47684067	Usp49	**1.72819**	40273
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chr2	21205724	21215009	Thnsl1	**1.8894**	30760
chr11	32533266	32624595	Stk10	**2.03547**	43116
chr19	17326141	17372844	Gcnt1	**1.35896**	26800
chr11	95842668	95845731	Gngt2	**1.79285**	5375
chr2	128967402	129018563	Zc3h6	**1.60965**	33041
chr1	120226416	120271082	Steap3	**1.62895**	21609
chr7	127091436	127094049	AI467606	**1.86499**	14936
chr1	131797395	131818115	Pm20d1	**1.63713**	24199
chr4	8141493	8239041	Car8	**1.38392**	33065
chr2	30078766	30090943	Pkn3	**1.48602**	17715
chr5	138441476	138460694	Zfp157	**1.61246**	35711
chr12	87166242	87200229	Tmed8	**1.52058**	45581
chr19	11586606	11604804	Ms4a6d	**1.05334**	6030
chr8	85109167	85123095	Zfp791	**1.78253**	17357
chr2	180257536	180257611	Mir3091	**3.05667**	970
chr7	28437447	28446895	Gmfg	**1.43221**	6644
chr13	75869537	75943824	Rhobtb3	**1.41958**	29264
chr13	100669481	100697024	Ccdc125	**1.25683**	13062
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chr17	84190056	84466208	Thada	**1.4156**	46672
chr1	140085855	140183411	Cfh	**1.27169**	23178
chr7	98494222	98501830	Lrrc32	**1.01426**	16161
chr19	5651185	5663707	Sipa1	**1.60939**	25993
chr8	53586867	53639065	Neil3	**1.49733**	14086
chr16	22918382	22939768	Fetub	**1.94627**	14498
chr14	77904239	78002656	Epsti1	**2.32828**	18170
chr4	57908384	57916264	D630039A03Rik	**1.07507**	13000
chr16	33684466	33768195	Heg1	**1.20893**	24129

chr2	143826528	143863173	Bfsp1	**1.45866**	14447
chr8	120608602	120634382	1190005I06Rik	**1.47676**	4526
chr5	76875935	76905514	Aasdh	**1.52707**	23554
chr7	92741714	92837117	Rab30	**1.54383**	12422
chr8	71882068	71892565	Zfp709	**1.41604**	23503
chr6	91013067	91116826	Nup210	**1.18183**	34716
chr12	3365132	3403882	Kif3c	**1.58453**	28033
chr10	33083483	33476709	Trdn	**1.54311**	29085
chr4	150920155	150946102	Tnfrsf9	**0.59792**	5545
chr16	96200470	96228933	Sh3bgr	**1.28303**	7077
chr1	55237177	55240058	Mars2	**1.70278**	20491
chr4	32417435	32586108	Bach2	**1.22479**	41409
chr15	98771752	98778150	Wnt10b	**1.20843**	11237
chr12	44328885	44601846	Nrcam	**0.92325**	29225
chrX	133936385	133981812	Sytl4	**1.78072**	37467
chr4	120161424	120167360	Edn2	**1.69415**	8800
chr9	64175432	64175522	Snord16a	**1.18956**	452
chr3	88777057	88829371	5830417I10Rik	**1.51232**	59150
chr5	143329308	143332704	0610040B10Rik	**1.25243**	2301
chr15	9506159	9529876	Il7r	**1.28945**	17283
chr8	65085615	65129537	BC030870	**1.78396**	11017
chr12	102283074	102390854	Rin3	**1.27874**	21395
chr19	6164458	6172475	Batf2	**3.06448**	17543
chr10	115450314	115587780	Lgr5	**1.60308**	31534
chr11	89037582	89060748	Dgke	**1.47806**	32142
chr17	35394099	35395630	H2-Q5	**1.97271**	9728
chr8	111311800	111337903	Mlkl	**1.58709**	11279
chr11	117782297	117793137	Tmc8	**1.40311**	17002
chr7	19302696	19310045	Fosb	**3.01407**	47522
chr2	167065293	167065358	Snord12	**2.14817**	592
chr1	93512104	93620644	Farp2	**1.37152**	18091
chr8	106415339	106425889	Zfp90	**1.68336**	18500
chr7	27838584	27856774	Zfp59	**1.42124**	22527
chr7	141210056	141214080	Lmntd2	**2.16355**	18375
chr2	69380462	69403086	Dhrs9	**1.42913**	16810
chr19	3259076	3283010	Ighmbp2	**1.49831**	34797
chr9	74110334	74283203	Wdr72	**2.2664**	49380
chr7	125444620	125462268	Kdm8	**1.2685**	12945
chr15	101884351	101892920	Krt76	**1.78231**	17206
chr11	69784036	69795937	Chrnb1	**1.31436**	11794
chr15	85037062	85062830	Fam118a	**2.07374**	22037
chr6	134869092	134897925	Gpr19	**1.30102**	13065
chr14	51056698	51057242	Rnase12	**2.42611**	5521
chr9	78376903	78378588	Ooep	**2.6096**	13152
chr8	92326031	92356120	Crnde	**2.16688**	12486
chr3	92014583	92031584	Pglyrp3	**1.07609**	4983
chr9	88723288	88731850	Bcl2a1d	**1.11321**	3700

chr17	24549950	24595815	Pkd1	**1.73383**	97525
chr9	116572747	117629913	Rbms3	**1.84159**	63170
chr7	30539134	30552272	Proser3	**1.70189**	17524
chr13	91853387	91876885	Ckmt2	**1.41632**	8788
chr15	76626237	76639929	Tonsl	**1.40951**	24760
chr16	58470541	58523312	St3gal6	**1.7235**	11464
chr5	146845071	146847726	Rasl11a	**1.35698**	6380
chr5	104079109	104114088	Sparcl1	**0.96142**	12509
chr13	108654177	109955969	Pde4d	**1.95439**	57524
chr7	29908517	29916813	Zfp383	**2.0099**	21988
chr12	65132735	65172580	Mis18bp1	**1.38853**	23284
chr19	40831279	40848570	Ccnj	**1.66766**	26579
chr14	67751928	67933572	Dock5	**1.48888**	64251
chr5	90786101	90788093	Cxcl3	**0.84692**	3600
chr15	103453825	103498800	Nckap1l	**1.34414**	26474
chr12	85824950	86053760	Ttll5	**1.27597**	25792
chr8	4257646	4259274	Ctxn1	**1.69949**	8700
chr7	114550163	114562972	Cyp2r1	**1.26166**	8587
chr11	36006656	36944241	Tenm2	**0.94158**	38447
chr8	116921740	116941503	Cenpn	**1.47461**	10886
chr6	108213096	108551116	Itpr1	**2.1931**	90447
chr5	32232708	32364356	Plb1	**1.51346**	31490
chr13	55473428	55488076	Dbn1	**1.04034**	13223
chr3	96525185	96529216	Hfe2	**1.29309**	10912
chr16	43889902	43964314	2610015P09Rik	**1.7145**	26080
chr13	49036302	49148328	Wnk2	**1.58514**	57504
chr13	113093827	113100981	Gzma	**12.68214**	46494
chr1	57985340	58026277	Sgol2	**1.21652**	27511
chr16	17572018	17576671	Slc7a4	**1.43228**	19323
chr8	76902508	77243639	Nr3c2	**1.87474**	31993
chr6	54039932	54301812	Chn2	**1.6038**	19099
chr15	78244811	78262580	Ncf4	**1.67232**	10153
chr2	152393612	152398046	Sox12	**1.4363**	26598
chr9	44981786	44987052	Cd3d	**2.50926**	13935
chr8	121950492	122029260	Banp	**1.86414**	42795
chr7	19094544	19098345	Six5	**1.39229**	16586
chr2	131299189	131352892	Rnf24	**0.86373**	17542
chr2	129798369	129801403	4932416H05Rik	**1.79951**	20325
chr18	65547427	65706444	Mir3473f	**1.10345**	493
chr1	182764906	182895654	Susd4	**2.07857**	17662
chr11	115307163	115332303	Otop2	**1.78506**	17404
chr1	60180599	60334705	Nbeal1	**1.86318**	94197
chr9	67217085	67559703	Tln2	**1.18068**	59820
chr12	108371153	108539564	Eml1	**1.03645**	18237
chr10	82048127	82061586	Zfp873	**1.16612**	11199
chr7	27176006	27176093	Mir3101	**0.51164**	188
chr3	79813153	79842662	Tmem144	**1.41668**	13558

chr7	45233632	45239115	Cd37	**1.16817**	6741
chr5	137787802	137819576	Zcwpw1	**1.35799**	9923
chr7	41478874	41499890	AW146154	**1.72475**	24565
chr17	56119678	56121946	Lrg1	**0.63156**	3568
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chr6	55837018	55978598	Ccdc129	**2.60567**	35730
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chr7	141194130	141210042	Lrrc56	**1.56727**	17113
chr6	129014112	129020527	Clec2f	**1.48324**	4069
chr16	4594713	4615957	Glis2	**1.63554**	24715
chr7	24193215	24208149	Zfp111	**1.41986**	42295
chr5	128579130	128600687	5930412G12Rik	**2.44132**	24516
chr6	86483376	86488227	2310040G24Rik	**1.31926**	4170
chr15	54838679	54920146	Enpp2	**1.24384**	19175
chr7	45367949	45370564	Lin7b	**2.24824**	6177
chr7	12478305	12496235	Zfp606	**1.78228**	35245
chr11	83223576	83226584	AI662270	**1.2393**	7286
chr17	21879570	21909926	2210404O09Rik	**1.27758**	11848
chr9	36708482	36726658	Chek1	**1.27741**	18119
chr7	128246812	128255699	Tgfb1i1	**0.84049**	13687
chr13	92844787	92858230	Mtx3	**1.27726**	33466
chr11	68691915	68816624	Myh10	**1.7237**	56017
chr8	18595173	18803188	Mcph1	**1.26953**	24485
chr5	90772435	90773383	Pf4	**1.46383**	3594
chr7	81213804	81333622	Pde8a	**1.2104**	13560
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chr15	87544299	87759364	Fam19a5	**1.23644**	15700
chr5	74195326	74199477	Rasl11b	**1.23241**	9098
chr4	155086577	155145507	Morn1	**1.22673**	8508
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chr6	14901349	15441977	Foxp2	**1.98109**	58500
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chr11	115334734	115346926	Otop3	**1.25155**	12657
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chr14	56526761	56571846	Cenpj	**1.69417**	30864
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chr17	46303272	46328023	Abcc10	**1.31748**	26488
chr13	67069398	67081545	Zfp708	**1.17918**	12063
chr13	63300712	63300784	Mir27b	**1.35821**	414
chr10	70204667	70219711	2310015B20Rik	**0.88174**	1631
chr9	44134658	44142726	Mcam	**1.19075**	14379

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chr15	100479570	100495239	Csrnp2	**1.85411**	31943
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chr8	72319062	72321654	Klf2	**1.81992**	13800
chr9	75306288	75345923	Gnb5	**1.11974**	12376
chr2	75979106	75981967	Ttc30a1	**1.07947**	12900
chr15	102296293	102324356	Espl1	**1.3301**	36822
chr9	123962126	123968692	Ccr1	**0.88809**	10498
chr10	97565501	97572703	Lum	**2.55038**	22097
chr5	135072900	135078266	Vps37d	**1.78502**	11508
chr10	45335762	45369708	Bves	**1.59283**	10688
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chr1	163955337	163994781	BC055324	**1.17618**	12661
chr7	27195781	27205386	BC024978	**0.9017**	9936
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chr3	9427010	9610085	Zfp704	**1.31079**	75771
chr2	11172382	11301226	Prkcq	**1.50324**	20795
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chr17	85090700	85458580	Camkmt	**1.92026**	11538
chrX	107397195	107403360	Itm2a	**2.56808**	17500
chr4	47015689	47057306	Anks6	**1.70826**	25336
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chr15	9111982	9155425	Skp2	**1.41125**	20100
chr1	131128441	131138234	Dyrk3	**1.46411**	12667
chr15	10486018	10499063	Rad1	**1.30645**	25519
chr2	29869494	29882840	Cercam	**1.62131**	18380
chr4	104913456	105016863	1700024P16Rik	**1.37425**	18695
chr10	7663585	7664623	A630066F11Rik	**1.22397**	5310
chr7	128265697	128271250	Slc5a2	**0.49659**	3440
chr5	129908540	129911281	Nupr1l	**1.27602**	3346
chr2	118388617	118475234	Eif2ak4	**1.57865**	34593
chr7	80232893	80241420	Gdpgp1	**1.27427**	18729
chr9	107950963	107972268	Traip	**1.24754**	14049
chr9	64811011	64919667	Dennd4a	**1.14264**	41294
chr2	110655201	110950244	Ano3	**0.51925**	12933
chr1	74565182	74588028	Zfp142	**1.36699**	40406
chr1	175682238	175688353	Chml	**1.52423**	38925
chr1	133910304	133921401	Prelp	**0.87093**	13099
chr7	81523550	81531498	2900076A07Rik	**0.9131**	3256
chr11	46193849	46312859	Cyfip2	**1.3549**	39766
chr7	27959800	27979157	Zfp780b	**1.45242**	33422
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chrX	147383478	147403832	Il13ra2	**0.70039**	4492
chr14	103814615	103844476	Ednrb	**1.55606**	28296
chr7	89404366	89410110	Fzd4	**1.66799**	25665
chr15	78913919	78919517	Pdxp	**1.47166**	12296
chr18	35671105	35703144	Dnajc18	**1.68566**	36368
chr19	12798609	12833808	Lpxn	**1.52685**	10666
chr9	70031496	70038088	Gcnt3	**1.98381**	35627
chr15	55076101	55090478	Dscc1	**1.17294**	6411
chr4	148152799	148160094	Fbxo44	**1.5372**	13800
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chr3	95124514	95129208	Tmod4	**1.80227**	9339
chr15	55557408	55626423	Mtbp	**1.18772**	22074
chr7	28267881	28269168	Eid2	**1.77406**	9541
chr15	54250619	54278484	Tnfrsf11b	**1.03675**	12199
chr13	104228845	104249622	Cenpk	**1.32259**	10813
chr11	46235557	46239871	Fndc9	**2.24675**	21230
chr17	71557027	71598761	Trmt61b	**1.40419**	15772
chr12	64917911	64924591	Gm527	**1.49392**	9126
chr7	51860577	51862267	Fancf	**1.24193**	8769
chr16	13903161	13949619	Mpv17l	**1.49764**	22306
chr4	24496462	24602948	Mms22l	**1.30173**	24269
chr15	5097439	5108533	Card6	**1.52966**	28940
chr15	8634124	8710807	Slc1a3	**1.1666**	20488
chr17	33810523	33822914	Kank3	**1.82246**	20044
chr15	57912199	57970068	Tbc1d31	**1.35905**	23868
chr11	117828079	117839908	Afmid	**1.4711**	13784
chr6	115954811	115995005	Plxnd1	**1.10398**	31839
chr15	94522640	94543507	Pus7l	**1.47605**	17553
chr9	22055460	22071345	Zfp653	**1.5603**	12978
chr5	134656039	134688590	Limk1	**1.46635**	20346
chr3	108202228	108210527	Atxn7l2	**1.42484**	15653
chr8	46575594	46617200	Primpol	**1.53501**	17485
chr6	13871569	13896421	1110019D14Rik	**1.79347**	11218
chr1	136131401	136178014	Kif21b	**1.6693**	63561
chr13	47012557	47014850	Nhlrc1	**1.25279**	12000
chr5	120847367	120857986	Oas1f	**3.30304**	20412
chr2	152911352	152923065	Mylk2	**0.8582**	10564
chr6	136697284	136781742	Gucy2c	**0.76533**	12578
chr6	117168535	117181368	Cxcl12	**1.1115**	26315
chr13	64248700	64268145	1810034E14Rik	**1.62288**	12211
chr1	60102627	60153953	Carf	**1.20231**	28721
chr5	37820491	37824585	Msx1	**1.22672**	4067
chr8	4325210	4360020	Ccl25	**0.99631**	5300
chr7	3154659	3169203	AU018091	**1.07639**	15497
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chr14	75842918	75844964	Gm4285	**1.42395**	8104

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chr3	106201491	106219479	Chil4	**0.28755**	1813
chr9	59966931	60511035	Thsd4	**1.68411**	63499
chr2	109280738	109341746	Kif18a	**1.3433**	18891
chr9	83391355	83441127	Lca5	**1.72121**	34368
chr10	80179482	80190010	Efna2	**1.33367**	11867
chr12	116485720	117278167	Ptprn2	**1.59864**	31293
chr4	126556980	126593903	Clspn	**1.13453**	23601
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chr10	75550125	75560330	Lrrc75b	**0.85095**	16348
chr19	45792346	45816063	Kcnip2	**1.05632**	10987
chr16	45746231	45844378	Phldb2	**1.1328**	26857
chrX	20703909	20720539	Usp11	**1.84479**	26683
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chr11	102057017	102088515	Mpp2	**1.20654**	20590
chr4	101496648	101642799	Dnajc6	**1.35504**	31662
chr19	6925690	6934515	Kcnk4	**1.0158**	7359
chr5	121598281	121618938	Acad12	**1.01534**	10069
chr15	75616684	75625300	Zfp41	**1.18108**	18459
chr2	26637176	26640244	Snhg7	**1.78037**	5516
chr7	31162358	31170641	Gm10640	**0.52967**	2508
chr13	8952863	8960935	Idi2	**0.48037**	4499
chr10	82224856	82241275	Zfp938	**1.34957**	11445
chr13	23575763	23576266	Hist1h3d	**0.73653**	1550
chr7	29983955	30028282	Zfp568	**1.76946**	53071
chr14	69767472	69784411	Tnfrsf10b	**1.53391**	20361
chr7	45082914	45092213	Rcn3	**1.38289**	8390
chr9	45399709	45410278	Fxyd2	**2.0982**	8910
chr17	81026327	81065085	Thumpd2	**1.79464**	13908
chr11	43528749	43586999	Ccnjl	**1.94122**	21958
chr7	12803780	12818860	Zfp329	**1.22889**	40696
chr17	46500609	46546388	Cul9	**1.31198**	42971
chr2	130417684	130424641	Pced1a	**1.66035**	20230
chr1	192512828	192771219	Hhat	**1.58749**	18792
chr11	75348433	75405705	Smyd4	**1.51744**	22284
chr4	112613740	112652248	Skint2	**1.16858**	6231
chr2	23116544	23156024	Mastl	**1.47247**	28602
chr17	35016579	35026693	Vwa7	**1.40286**	22142
chr2	178023284	178035859	Etohi1	**1.40444**	19616
chr13	65278854	65297795	Zfp369	**1.07416**	12868
chr1	37872206	37876298	Lipt1	**1.64179**	10660
chr3	138143538	138159820	Trmt10a	**1.27928**	21014
chr15	103344286	103366748	Itga5	**1.14349**	20851
chr17	24727829	24736149	Rpl3l	**1.30632**	8700

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chr4	117096356	117114831	Ptch2	**0.82199**	12181
chr10	128933813	128958276	Itga7	**0.70349**	11785
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chr10	86685527	86689954	1810014B01Rik	**1.63505**	11060
chr4	152158867	152162469	Hes2	**0.92708**	9995
chr12	110807798	110840939	Mok	**2.22332**	15717
chr7	120659354	120670250	Pdzd9	**1.29275**	7163
chr14	76532812	76556889	Serp2	**0.90475**	3400
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chr13	119488860	119610459	Gm7120	**0.90066**	3426
chr19	28262448	28680077	Glis3	**1.49277**	24415
chr1	92973119	92986391	Gpr35	**1.00605**	18895
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chr17	57105385	57107757	Tnfsf9	**0.9052**	4649
chr7	51879145	51994458	Gas2	**1.05166**	9384
chrX	20549818	20562087	Rgn	**1.90178**	12499
chr5	110274286	110286168	Pxmp2	**1.71028**	7277
chr1	172521130	172545870	Cfap45	**1.37911**	10492
chr4	147909753	147936776	Plod1	**1.33149**	18080
chr8	72443880	72460482	1700030K09Rik	**1.54223**	15249
chr1	183086264	183221529	Disp1	**1.19893**	26072
chr8	72424183	72443778	Calr3	**0.78365**	6096
chr2	145242611	145641939	Slc24a3	**1.52429**	21780
chr4	130530131	130574036	Nkain1	**1.16517**	12416
chr8	67689082	67974574	Psd3	**1.23447**	60839
chr10	128494157	128498685	Myl6b	**1.08822**	4662
chr5	3890581	3893933	Mterf1a	**1.48325**	8522
chr1	40681712	40768885	Slc9a2	**1.08399**	15810
chr7	24134163	24143241	Zfp235	**1.71876**	24774
chr6	54681624	54703855	Mturn	**1.61624**	35815
chr11	105292646	105351145	Mrc2	**0.84163**	20386
chr6	146805530	146833529	Arntl2	**1.73953**	19052
chr1	120121187	120188189	3110009E18Rik	**1.40286**	6379
chr17	32390661	32399429	Rasal3	**0.82769**	10890
chr3	116603462	116630986	Sass6	**1.24333**	20574
chr2	3513065	3526376	Cdnf	**0.9346**	11758
chr17	78508063	78627409	Vit	**1.36906**	15549
chr18	44334074	44355722	Myot	**1.21699**	11215
chr5	115102922	115110268	Gm13826	**1.47448**	4636
chr4	134537892	134552166	Sepn1	**1.50716**	21680
chr4	136979732	137048695	Zbtb40	**1.25067**	37558
chr9	4309743	4331732	Kbtbd3	**1.33941**	13568
chr8	126298579	126395977	Slc35f3	**1.56474**	18183
chr2	25372035	25378213	Sapcd2	**1.15662**	16454
chr3	10331734	10335656	Slc10a5	**1.666**	27290
chr4	116720955	116804002	Tesk2	**1.75492**	20415

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chr14	25696356	25701282	Ppifos	**0.48178**	3269
chr4	132310703	132310758	Snord99	**1.26161**	295
chr9	20345136	20385158	Zfp560	**1.82681**	36095
chr19	7417625	7425894	2700081O15Rik	**1.85181**	38499
chr2	153108468	153151441	Hck	**1.09637**	9577
chr2	4990724	5012791	Mcm10	**1.11767**	16306
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chr15	98877760	98881414	Rhebl1	**1.2865**	6516
chr12	55080496	55115367	Srp54a	**1.28373**	22856
chr6	25668523	25689980	Gpr37	**1.19469**	15988
chr9	35560821	35570069	Hyls1	**1.14163**	7832
chr17	24878770	24882008	Igfals	**0.73742**	6500
chr13	50417877	50433769	Fbxw17	**1.14164**	8509
chrX	164980592	164997272	Fancb	**1.199**	14799
chr7	44470347	44470411	Mir7052	**0.91007**	247
chr3	80843599	80913614	Glrb	**1.69485**	21082
chr9	89728249	89738475	Ankrd34c	**1.97844**	20446
chr17	47140942	47359458	Trerf1	**1.66154**	31109
chr19	44989344	45003395	Sema4g	**1.3243**	23794
chr17	21650611	21664966	3110052M02Rik	**1.3679**	24943
chr1	58652641	58655831	Gm20257	**1.61222**	6301
chr16	38742259	38769054	B4galt4	**1.4651**	14156
chr19	46348201	46348988	2310034G01Rik	**1.60502**	5281
chr7	142575532	142578146	H19	**2.02125**	21361
chr1	107078193	107083480	Serpinb3d	**0.86414**	4200
chr5	113612355	113650390	Cmklr1	**1.08365**	12873
chrX	166170480	166190512	Gemin8	**1.51626**	11624
chrX	50892645	50942710	Frmd7	**1.41159**	27390
chr12	119162803	119238276	Itgb8	**1.1891**	15372
chr4	43381982	43427019	Rusc2	**1.13306**	25581
chr16	3979106	4001678	Slx4	**1.7196**	41078
chr4	147868979	147870358	Fv1	**1.87428**	10800
chr8	123104975	123105043	Mir7079	**0.89549**	258
chr15	100575318	100586365	Pou6f1	**1.07423**	20521
chr1	93235897	93296448	Sned1	**1.91025**	35638
chr10	127525473	127534559	Nxph4	**0.91507**	6400
chr4	63414910	63495991	Whrn	**1.16147**	21368
chr2	125086271	125123660	Myef2	**1.18186**	13862
chr13	67339309	67360572	Zfp953	**1.51234**	29307
chr4	154316125	154636873	Prdm16	**1.02924**	36981
chr1	86666293	86670573	Nppc	**1.10276**	4798
chr12	81026808	81186414	Smoc1	**0.98283**	14347
chr10	19712587	19760053	Il20ra	**1.90779**	16633
chr5	21662903	21701345	Napepld	**1.3709**	21025
chr4	99765402	99829118	Itgb3bp	**1.08558**	12411
chrX	6168696	6172991	Nudt10	**0.65652**	4800

chr2	127575533	127584677	Zfp661	**1.11597**	13928
chr1	191063021	191084558	Nsl1	**1.19995**	14896
chr11	59248042	59290751	Wnt3a	**1.57572**	18100
chr1	88103257	88107799	Ugt1a6b	**1.25532**	5142
chr11	107028223	107030442	1810010H24Rik	**1.53828**	7059
chr7	4751792	4753094	Cox6b2	**1.37113**	3229
chr10	121034004	121100642	Wif1	**1.25963**	11792
chr3	100471536	100489192	Fam46c	**1.2442**	10541
chr14	14346495	14355490	Il3ra	**1.829**	10646
chrX	164192842	164258193	Bmx	**1.25635**	15764
chr5	4803385	5380251	Cdk14	**1.07091**	21960
chr7	84689640	84776549	2610206C17Rik	**1.66723**	11953
chr11	101325063	101329694	Aoc2	**0.9865**	10442
chr2	57998155	58039171	Galnt5	**1.1417**	15479
chr2	34943258	34961772	Traf1	**1.23104**	11951
chr11	45928269	45944935	Lsm11	**1.52031**	40964
chr2	28447941	28455508	Ppp1r26	**1.37359**	31350
chrX	134308163	134362639	Cenpi	**1.10533**	14529
chr10	88322804	88357075	Dram1	**0.69621**	8160
chr19	41549639	41559781	Lcor	**1.40249**	27307
chr17	33555707	33607764	Myo1f	**1.14204**	18278
chr4	126322121	126325199	Tekt2	**1.02786**	6412
chr15	74796874	74799968	Ly6k	**0.69989**	2259
chr18	35650351	35655199	Prob1	**2.1535**	43602
chr4	147821777	147822202	Rps19-ps3	**1.35993**	2419
chr4	116819907	116821508	Hpdl	**0.86707**	5800
chr10	100488289	100572142	Cep290	**1.24274**	37517
chrX	8892353	8894964	B630019K06Rik	**1.28355**	13999
chr11	46454931	46481254	Havcr2	**0.9672**	11001
chr2	29194821	29228221	Ntng2	**1.4188**	9224
chr16	16416915	16599978	Fgd4	**1.27267**	50170
chrX	21026184	21062038	Zfp182	**1.33791**	33206
chr10	127078907	127093170	Agap2	**0.82606**	19433
chr17	25719103	25727415	Chtf18	**0.94202**	11930
chr12	112760655	112768986	Pld4	**2.10578**	17392
chr17	94750100	94775129	2700099C18Rik	**1.40689**	7020
chr8	116568724	116732991	Cdyl2	**1.32572**	44766
chr13	12269427	12340732	Actn2	**1.20805**	15052
chr16	18127706	18152408	Rtn4r	**1.35465**	10600
chr10	121780991	122047315	Srgap1	**1.30231**	42529
chr18	37485021	37488290	Pcdhb17	**1.0274**	14028
chr1	64035671	64121389	Klf7	**1.38962**	7752
chr11	67798271	67816002	Dhrs7c	**1.83241**	8600
chr3	99141090	99220203	Wars2	**1.36627**	25033
chr6	8630527	8778484	Ica1	**1.66374**	14415
chrX	139821635	139871654	Morc4	**1.10161**	18896
chr19	10389090	10453181	Syt7	**0.8002**	23275

chr11	119355557	119381076	Slc26a11	**1.00022**	11243
chr5	113942219	113993757	Ssh1	**1.57382**	20858
chr6	91212764	91272540	Fbln2	**1.98424**	37093
chr4	123312650	123343252	Bmp8a	**0.97154**	9736
chr3	144730316	144760739	Clca1	**0.73528**	9278
chr9	20581328	20595193	Zfp846	**1.30012**	14956
chr11	106311341	106314529	Cd79b	**1.26383**	6322
chr1	166130460	166166510	Gpa33	**2.07103**	19829
chr14	70890107	70979840	Gfra2	**1.23036**	17914
chrX	9272784	9313245	Xk	**1.67606**	35293
chr7	5051532	5053723	Zfp580	**1.05446**	4852
chr9	124474346	124476862	Ppp2r3d	**1.41259**	14846
chr10	88518279	88605152	Mybpc1	**1.31374**	21838
chr5	28456840	28466983	Shh	**1.04168**	11087
chr4	108719649	108781904	3110021N24Rik	**0.87809**	6387
chr1	139454773	139494088	Aspm	**1.22821**	50597
chr7	46711998	46715676	Saa3	**0.58633**	1300
chr17	94759942	94834799	Gm1976	**0.90829**	6948
chr8	84911853	84937353	Mast1	**0.81556**	15869
chr8	123271205	123318576	Fanca	**1.52456**	23961
chr4	84272542	84675086	Bnc2	**1.15474**	31114
chr6	31366885	31398773	Mkln1os	**0.55898**	2250
chr8	70905974	70917529	Map1s	**1.00127**	13688
chr5	105519471	105608954	Lrrc8c	**1.28762**	15210
chr14	52261759	52279387	Rab2b	**1.28156**	14507
chr11	119143043	119228499	Tbc1d16	**1.17868**	34392
chr9	122805547	122836332	Tcaim	**1.03985**	13195
chr7	100227607	100278872	Pgm2l1	**1.04181**	37524
chr11	60920941	60931867	Map2k3os	**1.17818**	6233
chr6	145934147	145965225	Sspn	**1.23294**	22693
chr4	119814678	120135411	Hivep3	**1.013**	38157
chr11	98464693	98546031	Ikzf3	**1.58954**	27199
chr12	85166639	85177313	Pgf	**0.84648**	5945
chr16	20331304	20426394	Abcc5	**1.17376**	30367
chr7	13258967	13278721	6330408A02Rik	**1.4196**	19152
chr11	83647843	83649378	Ccl3	**1.03042**	3399
chr3	81036416	81214031	Pdgfc	**1.37714**	20195
chr17	22846697	22867134	Zfp945	**1.51374**	41830
chr9	82829806	82847688	Irak1bp1	**1.32347**	10461
chr17	40221777	40242258	Crisp3	**1.86931**	10826
chr14	103047012	103056573	Irg1	**0.46251**	4998
chr2	130390775	130397629	Cpxm1	**0.99773**	10086
chr6	72355483	72359713	Tmem150a	**0.96174**	5867
chr1	153740353	153745468	Rgs16	**1.17469**	11453
chrX	144317966	144374448	Alg13	**1.01136**	22825
chr16	35397312	35490873	Pdia5	**1.03184**	7794
chr9	108133718	108138567	4930447F24Rik	**0.57027**	3367

chr6	126101412	126166744	Ntf3	**1.9936**	12886
chr2	166566345	166713832	Prex1	**1.04661**	28537
chr1	152807890	152836990	Ncf2	**1.33353**	14455
chr5	135012176	135013157	Abhd11os	**2.44539**	4554
chr6	50562563	50566474	Cycs	**1.02483**	13090
chr2	154613368	154646817	Zfp341	**1.20897**	16275
chr17	15041612	15064232	Ermard	**1.40948**	15702
chr13	19591708	19619830	Epdr1	**1.07355**	10700
chr11	79339892	79581609	Nf1	**1.35492**	67024
chr7	104409026	104465193	Trim30a	**2.92815**	46094
chr12	4236363	4240123	Ptrhd1	**1.32392**	20791
chr10	89408823	89443967	Gas2l3	**1.19366**	33633
chr4	33027139	33031323	4933421O10Rik	**0.89937**	14458
chr11	72301629	72313733	Xaf1	**2.75498**	29886
chrX	166523007	166585716	Egfl6	**1.12171**	12646
chr12	65075606	65132058	Fancm	**0.96979**	31484
chr1	63179023	63179135	Snora41	**0.27128**	128
chr6	95117880	95129793	Kbtbd8	**1.10322**	21798
chr16	10357952	10395448	Tekt5	**2.2732**	16715
chr19	16435667	16610818	Gna14	**1.62922**	23014
chr10	127329944	127341579	Gli1	**1.25434**	18855
chr17	79614900	79682152	Rmdn2	**0.73708**	5546
chr14	34145646	34152419	Npy4r	**0.7001**	5563
chr6	71128166	71144380	Thnsl2	**1.66955**	14542
chr1	75507077	75510354	Inha	**0.98072**	5991
chr1	60977914	61000321	Icos	**0.80772**	10978
chr16	33379854	33380736	1700007L15Rik	**1.12276**	3502
chr11	52004221	52084667	Cdkl3	**1.17678**	15704
chr16	18498713	18566680	Gnb1l	**1.23069**	20185
chr10	56014294	56228689	Tbc1d32	**1.27372**	38500
chr6	128227143	128300813	Tead4	**1.41616**	18189
chr15	68083738	68258856	Zfat	**0.95052**	17733
chr5	35697180	35729276	Sh3tc1	**1.48286**	28166
chr4	136206365	136246573	Asap3	**1.74667**	40711
chr1	93309437	93342788	Pask	**1.10539**	23627
chr17	23173869	23193228	Zfp40	**1.18131**	20120
chrX	95048935	95166539	Arhgef9	**1.53141**	35342
chr9	123150946	123157432	Clec3b	**1.88648**	7814
chr4	41638159	41640302	Enho	**1.20523**	6200
chr17	33089367	33110704	Zfp563	**1.27262**	33913
chr1	9560833	9631092	2610203C22Rik	**1.85546**	9266
chr11	97034602	97041369	Lrrc46	**0.85538**	4636
chr8	126426652	126475065	Gm17296	**1.03914**	21955
chrX	36743632	36777307	Slc25a43	**1.23928**	6489
chr16	43969146	43979050	Zdhhc23	**1.27298**	6793
chr1	171388960	171410239	Arhgap30	**1.2582**	23573
chr13	55464267	55473155	Prr7	**1.08335**	6152

chr8	88626828	88636128	Snx20	**1.01842**	6098
chr11	59970614	60046489	Pemt	**1.67489**	8651
chr10	105187664	105574479	Tmtc2	**1.82486**	43219
chr11	100415694	100424840	Fkbp10	**0.92075**	9996
chr4	81278500	81442805	Mpdz	**1.36069**	42697
chr11	120347350	120347413	Mir6935	**1.46689**	392
chr15	97744770	97767666	Rapgef3	**1.36368**	21831
chr14	34053470	34075999	Antxrl	**0.58661**	4551
chr13	21362820	21372302	Zscan12	**1.38225**	25499
chr5	65763521	65826784	N4bp2	**1.15939**	27744
chr11	16501638	16508484	Sec61g	**1.48952**	4845
chr9	119357381	119393797	Xylb	**0.69307**	11512
chr15	102144186	102149512	Igfbp6	**1.04046**	5600
chrX	94274574	94274637	Mir7673	**1.17126**	313
chr14	19872559	19977249	Gng2	**1.09162**	18287
chr1	171173264	171196268	Pcp4l1	**0.82111**	5400
chr8	69037708	69089222	Slc18a1	**1.32143**	17204
chr6	30653457	30693682	Cep41	**1.38338**	19524
chr4	116136728	116144616	Lurap1	**0.84032**	5007
chr11	101176117	101190720	Cntnap1	**0.73662**	16486
chr18	25169020	25467321	AW554918	**1.24468**	27810
chr5	122325508	122354195	Rad9b	**1.13807**	7570
chr19	32595715	32667187	Papss2	**1.20497**	19099
chr17	32879221	32891603	Zfp870	**1.22278**	27040
chr17	73804841	73832093	Ehd3	**1.00157**	15298
chr6	128931793	128931845	Mir7649	**0.23949**	53
chr15	102497647	102517004	Map3k12	**0.87469**	14452
chr4	32982998	33022180	Rragd	**1.1837**	24945
chr17	35424847	35424876	H2-Q8	**3.42473**	429
chr18	34840589	34847463	Reep2	**0.57199**	4600
chr9	65101486	65137947	Igdcc4	**0.96154**	25013
chr9	87191963	87255532	Cep162	**1.27864**	28270
chr7	67730161	67759742	Synm	**0.86836**	25236
chr3	36573143	36613389	Bbs7	**0.901**	9774
chr7	4522957	4532442	Dnaaf3	**0.78302**	7157
chrX	73214333	73222453	Xlr4b	**2.08787**	10601
chr10	62980223	63018742	Rufy2	**0.9971**	29860
chr7	80454993	80535119	Blm	**0.74695**	15426
chr6	134396329	134438724	Bcl2l14	**1.74289**	16156
chr12	40222712	40222811	Mir1938	**0.60112**	251
chr19	47865545	47886305	Gsto2	**1.34916**	7853
chr6	6877801	6882068	Dlx5	**1.65929**	9769
chr3	142530336	142550151	Gbp7	**2.32395**	54554
chr7	28788969	28798966	Rinl	**1.38412**	16610
chr2	76406508	76600647	Osbpl6	**1.54078**	58320
chr9	45079183	45108531	Amica1	**1.43474**	12347
chr4	144391674	144408464	Pramef12	**1.38983**	14276

chr11	120624823	120624876	Mir6936	**1.04223**	235
chr7	92584183	92637142	Ankrd42	**1.15355**	13400
chr16	5211819	5222299	AU021092	**2.0376**	11673
chr8	33386325	33417469	Purg	**1.34086**	10061
chr8	110079734	110092752	Zfp612	**0.77407**	15844
chr16	15637866	15842239	Prkdc	**1.13083**	59844
chr2	73429610	73529487	Wipf1	**1.1326**	22596
chr14	55854115	55874736	Nynrin	**1.36316**	42194
chr17	21707741	21725636	Zfp760	**1.21202**	21301
chr17	49993307	50190497	Rftn1	**0.91737**	10733
chr16	38598343	38713035	Arhgap31	**0.85953**	27714
chr7	102101743	102111148	Art1	**1.13256**	6701
chr13	67813816	67827000	Zfp273	**1.10769**	10735
chr5	5664829	5694568	Steap2	**1.02785**	46892
chr1	135132725	135145320	Ptpn7	**1.10193**	15018
chr9	22099253	22109221	Cnn1	**0.78609**	6522
chr14	57524829	57543166	Il17d	**0.8929**	4556
chr6	38663069	38680865	Clec2l	**1.53147**	9138
chr4	116597680	116600266	Ccdc17	**1.49928**	8996
chr7	83643063	83735490	Il16	**0.82701**	17228
chr16	20611601	20645915	Ece2	**1.32253**	22713
chr9	57129982	57131290	Man2c1os	**0.90728**	2470
chr13	20090507	20608356	Elmo1	**0.98095**	24072
chr9	92571255	92608427	Plod2	**1.16116**	16315
chr5	100092113	100095273	Tmem150cos	**1.37559**	6479
chr13	99421464	99516602	Map1b	**0.69101**	34197
chr5	25689816	25705797	Xrcc2	**0.91625**	12300
chr10	39946912	39950785	G630090E17Rik	**0.91656**	5733
chr19	4184357	4191047	Tbc1d10c	**1.51823**	11151
chr10	83231139	83337817	Slc41a2	**0.70439**	12900
chrX	102142820	102157091	Ercc6l	**0.97383**	17070
chr12	108894272	109028452	Wdr25	**1.12625**	12495
chr8	95633559	95645059	Gins3	**1.04892**	10564
chr4	32657119	32775217	Mdn1	**0.9978**	74823
chr5	66298725	66618817	Apbb2	**1.16461**	33719
chr16	20619215	20621278	Camk2n2	**0.78703**	4213
chr4	12039356	12087957	Tmem67	**1.21198**	18031
chr11	69897358	69900986	2810408A11Rik	**1.64225**	11479
chr5	91027517	91035212	Epgn	**0.99001**	7044
chr15	99074973	99083409	Troap	**0.95733**	9058
chr3	103074014	103099720	Ampd1	**0.74005**	7237
chr13	72623466	72628564	Gm20554	**0.82054**	17470
chr7	126847553	126852432	Doc2a	**1.14142**	10795
chr9	86765927	86880449	Snap91	**0.54571**	10256
chr15	96571418	96642913	Slc38a1	**0.96844**	33931
chr11	101488764	101551955	Brca1	**1.13924**	31624
chr1	91540565	91559590	Asb1	**0.98952**	25088

chr7	5056152	5060784	Ccdc106	**1.31089**	7997
chr10	81590905	81600900	Tle6	**1.5753**	13254
chr13	62836885	62858370	Fbp2	**1.01497**	5484
chr8	91217030	91313222	Rpgrip1l	**1.10532**	32164
chr16	88626788	88627666	2310079G19Rik	**0.95361**	3500
chr5	31292246	31295877	Fndc4	**1.17615**	11148
chr7	27860585	27880825	Zfp607	**1.46355**	21456
chr4	129548344	129573641	Lck	**1.495**	14189
chr11	63884693	63922284	Hs3st3b1	**1.10065**	27593
chr17	31255020	31277356	Rsph1	**1.06011**	5148
chr7	24270418	24277794	Zfp93	**1.37145**	20100
chr11	121067403	121081139	Sectm1a	**1.25351**	8453
chr5	114123934	114128176	Alkbh2	**1.56895**	6977
chr9	54764748	54773110	Crabp1	**0.98544**	3300
chr11	102248882	102265183	BC030867	**1.04932**	11142
chr7	79660196	79698097	Ticrr	**0.66239**	19770
chr2	39066215	39190730	Scai	**1.11197**	49699
chr8	15057653	15133419	Myom2	**1.02257**	21148
chrX	169685199	169990797	Mid1	**1.49713**	26693
chr17	37045966	37074305	Gabbr1	**1.6513**	30931
chr18	67933257	68255549	Ldlrad4	**1.19669**	12457
chr11	116674147	116674223	Snord1b	**0.61895**	199
chr14	34370274	34374669	Sncg	**0.64486**	1971
chr5	52190681	52197984	9230114K14Rik	**1.08936**	9634
chr18	14783245	14900359	Taf4b	**1.0616**	22824
chr10	78584503	78591964	Syde1	**1.05615**	14500
chr1	74375203	74386051	Slc11a1	**0.55029**	5294
chr2	163054635	163084687	Mybl2	**1.56446**	24183
chr7	36698118	36773457	Tshz3	**1.04841**	21897
chr9	107340640	107349683	6430571L13Rik	**0.89143**	9499
chr3	99253760	99354260	Tbx15	**0.88854**	13234
chr13	67747800	67752514	Zfp85	**0.86924**	7789
chr11	48887422	48902152	Gm5431	**2.63586**	32699
chr7	44572445	44586846	Napsa	**1.10111**	6800
chr13	48487660	48513436	Zfp169	**0.95116**	16625
chr2	181680310	181688051	Tcea2	**1.1015**	5349
chr12	98628142	98669819	Spata7	**0.80106**	7469
chr19	42592279	42612806	Loxl4	**1.30947**	29728
chr8	69902559	69903518	Tssk6	**0.94499**	3788
chr7	97726379	97738247	Aqp11	**0.72445**	3999
chr19	4040288	4042221	Gstp2	**2.23854**	7029
chr12	69241832	69283961	Klhdc1	**1.79465**	14605
chr17	47394558	47400584	Guca1a	**1.69784**	6189
chr18	11981303	12121537	Tmem241	**0.9234**	12716
chrX	136066565	136068236	Bex2	**1.26623**	4769
chr1	184871926	184883036	C130074G19Rik	**0.73031**	8700
chrX	152004584	152016295	Ribc1	**0.8422**	5296

chr19	5092880	5098418	Cnih2	**0.97844**	5017
chr13	74359582	74360604	Lrrc14b	**1.16421**	4973
chr10	81575287	81590845	Tle2	**1.48078**	19056
chr8	69371025	69395544	Gm10033	**1.06888**	11613
chr10	76708792	76726044	Col6a1	**0.90412**	15010
chr7	27907392	27929430	1700049G17Rik	**1.23107**	26514
chrX	97333841	97377209	Eda2r	**1.14978**	27711
chr19	4931855	4943092	Peli3	**1.43781**	11629
chr11	4257568	4272514	Lif	**1.21175**	21954
chr1	59516264	59634509	Gm973	**1.5057**	22602
chr6	48504339	48534832	Zfp862-ps	**1.46208**	38394
chr1	119907899	119913168	Tmem177	**1.44764**	19899
chr18	5210031	5334439	Zfp438	**1.14925**	15399
chr2	3455815	3474986	Suv39h2	**0.92027**	15647
chr8	111626271	111630322	Ldhd	**1.3482**	12503
chr1	52925127	52952840	1700019D03Rik	**0.8164**	2843
chr10	56106917	56116880	Msl3l2	**0.85042**	7599
chr9	78430518	78443237	Mb21d1	**1.05681**	18048
chr7	39449518	39477416	Zfp939	**0.95978**	7935
chr19	43689689	43733253	Entpd7	**0.92716**	21099
chr6	115807975	115808103	Snora7a	**0.98396**	530
chrX	136666375	136668377	Tceal3	**0.96634**	4499
chr5	106964322	106984439	Cdc7	**0.98656**	13351
chr15	8169106	8271158	2410089E03Rik	**1.01577**	44403
chr7	81347026	81454758	Cpeb1	**0.81784**	10634
chr2	26628457	26636497	Fam69b	**1.43149**	9695
chr11	82779601	82781042	Gm11423	**1.58846**	5200
chr2	104721787	104742801	Depdc7	**0.69482**	4993
chr15	66891393	66923199	Wisp1	**1.64974**	34594
chrX	104536970	104671064	Zdhhc15	**1.21559**	27957
chr7	141278329	141279133	Sct	**0.57975**	1237
chr11	115347709	115367719	Hid1	**1.15196**	15570
chr11	75510094	75513166	Rilp	**1.30714**	8116
chr13	35895104	35906347	Rpp40	**0.74027**	8457
chr4	63367128	63403445	Akna	**1.14943**	26277
chr8	69741639	69749962	Zfp963	**1.29499**	12388
chrX	101377337	101385624	Gjb1	**2.11316**	13200
chr4	6191105	6219788	Ubxn2b	**0.92125**	18214
chr15	98519717	98519761	Snora34	**0.84088**	158
chr4	62965574	63134030	Zfp618	**1.13566**	13600
chr9	56865104	56899870	Cspg4	**0.97427**	32748
chr19	4439559	4448325	A930001C03Rik	**1.15464**	3182
chr2	77180340	77280592	Sestd1	**1.29033**	48140
chr6	85899050	85904938	1700019G17Rik	**0.86372**	11822
chr11	79526561	79528615	Evi2a	**0.88144**	6750
chr6	83057844	83067219	Dqx1	**1.00506**	13253
chr17	21733724	21748969	Zfp229	**0.93844**	17735

chr8	19210462	19212760	Defa-ps12	**0.88099**	618
chr3	40540767	40704774	Intu	**0.95707**	25524
chr2	37432168	37443121	Zbtb26	**1.11829**	24594
chr4	132782357	132796364	Themis2	**1.60964**	17085
chr1	67123027	67231267	Cps1	**1.0995**	25535
chr9	65552577	65580087	Plekho2	**1.08829**	23298
chr15	80572597	80652854	Grap2	**1.47317**	34570
chr2	119034790	119042197	Rpusd2	**0.87694**	18799
chr4	117926160	117929763	Artn	**1.6884**	15390
chr2	75659259	75659289	Hnrnpa3	**0.64122**	83
chr19	24294796	24555827	Pip5k1b	**0.64822**	6837
chr15	97277334	97385691	Pced1b	**1.60153**	14324
chrX	36911272	36989695	Sept6	**1.20323**	32099
chr11	34047201	34092280	Lcp2	**0.92334**	12908
chr17	46383766	46420918	Zfp318	**1.02326**	59471
chr16	4284886	4420498	Adcy9	**1.05236**	34450
chr4	141016637	141060545	Crocc	**1.08395**	30234
chr10	110745465	110787384	E2f7	**0.95237**	21776
chr1	143640697	143649937	B3galt2	**1.63977**	31345
chr8	82863356	83091271	Rnf150	**0.98564**	39859
chr7	28692849	28699337	Fbxo27	**0.92194**	7984
chr10	11343445	11457477	Epm2a	**0.70427**	3173
chr10	77290727	77418273	Adarb1	**1.29404**	35586
chr2	28462001	28466324	1700007K13Rik	**0.65533**	2200
chr2	131127412	131145983	Hspa12b	**0.41535**	5104
chr5	110879803	111289779	Ttc28	**1.09751**	48975
chr11	34226821	34783905	Dock2	**1.13811**	30490
chr11	72390114	72411713	Smtnl2	**0.8123**	8900
chr10	125227485	125328535	Slc16a7	**0.86213**	8708
chr2	174760758	174784042	Edn3	**0.26539**	3300
chr5	88519809	88527897	Igj	**0.78615**	6900
chr3	146121791	146140646	Mcoln3	**1.25537**	8974
chr2	32599709	32620809	St6galnac6	**0.73394**	8259
chr2	132816141	132844188	Mcm8	**1.15173**	16697
chr9	7445822	7455974	Mmp3	**0.89091**	6696
chr19	4445908	4477143	Syt12	**1.25735**	14758
chr9	31315107	31378543	Prdm10	**1.17511**	16722
chr11	50898712	50916176	Zfp2	**1.00791**	13400
chr1	171839697	171890718	Cd84	**0.85871**	11800
chr17	25844852	25861515	Wdr90	**0.87835**	21822
chr13	74036495	74062285	Cep72	**1.31687**	19971
chr5	113550420	113589725	Wscd2	**0.59072**	9400
chr3	123076519	123236149	Synpo2	**1.18127**	35099
chr15	78325990	78351001	Csf2rb	**0.71287**	13999
chr9	107597674	107609241	Sema3b	**1.55181**	27616
chr5	52199984	52216433	C130083M11Rik	**0.885**	7653
chr10	40883534	40938569	Wasf1	**0.70373**	7493

chrX	152294824	152327493	Kantr	**1.10207**	19594
chr13	49544443	49567562	Aspn	**1.33406**	13096
chr12	104247896	104254405	Serpina3h	**1.4519**	12434
chr1	162953800	162984491	Fmo3	**1.63736**	13742
chr17	23575852	23599487	Zfp13	**0.85966**	7678
chr2	85579215	85580282	Olfr996	**0.53594**	2390
chr11	69881567	69895539	Acap1	**0.92497**	9586
chr5	137061506	137072272	Serpine1	**0.66482**	8389
chrX	134804142	134809221	Armcx2	**0.77606**	11711
chr7	45473563	45488796	Dhdh	**0.75871**	8674
chrX	44786567	44790197	Dcaf12l1	**0.6709**	9900
chr13	67128228	67141787	Zfp759	**1.09463**	15915
chr2	93201760	93334487	Tspan18	**0.66344**	10391
chr13	43785112	43803133	Cd83	**0.74812**	6688
chr7	62348277	62349927	Ndn	**1.53762**	10600
chr10	4403169	4432352	Rmnd1	**0.5729**	244
chr11	62604884	62648523	Lrrc75a	**1.13469**	9400
chr8	123103058	123103105	Snord68	**0.42909**	86
chr8	88521344	88594887	Nkd1	**0.82718**	15401
chr5	110286319	110337453	Pole	**0.80011**	23817
chr3	138089855	138143388	Mttp	**1.08048**	19896
chr6	116410071	116461178	Alox5	**0.94704**	11179
chr9	102739648	102756685	Gm5627	**0.50702**	1971
chr18	66458604	66465558	Pmaip1	**1.11381**	12343
chr17	26414965	26446342	Neurl1b	**0.94043**	24299
chr17	36164444	36168537	Gm8909	**0.63464**	3596
chr15	84680998	84703673	Prr5	**0.73544**	5635
chr4	126058565	126089334	Oscp1	**0.71369**	6413
chr7	30314816	30319045	Syne4	**1.86375**	10537
chr10	85119433	85128027	Mterf2	**0.72505**	4744
chr15	88751711	88784516	Zbed4	**1.26252**	28330
chr6	27275121	28134369	Grm8	**1.05453**	16195
chr1	36761798	36782820	Zap70	**1.22043**	13866
chr8	70842049	70857008	Kcnn1	**0.47513**	8019
chr12	112130880	112130955	Mir203	**0.20168**	64
chrX	163909017	163933666	Ap1s2	**1.15797**	23547
chr8	36567739	36952442	Dlc1	**0.86121**	30476
chr2	156019140	156052947	Fer1l4	**1.62215**	41351
chr7	30077337	30090510	Zfp566	**1.25634**	8876
chr9	20875166	20879710	Angptl6	**0.78203**	4245
chr12	72441866	72510565	Lrrc9	**0.35968**	7757
chr2	29245116	29252993	6530402F18Rik	**0.83062**	14147
chr16	13676834	13678385	3110001I22Rik	**1.39637**	9049
chr8	77517056	77518578	0610038B21Rik	**0.75656**	3933
chr7	99624067	99627103	Gm4980	**0.66816**	8473
chr1	186623186	186705992	Tgfb2	**1.3633**	26897
chr2	60417543	60553308	Pla2r1	**0.82819**	24594

chr17	53829637	53845958	Sult1c2	**1.26383**	7731
chr18	32815383	32819799	Tslp	**1.64141**	9136
chr5	130144888	130155808	Kctd7	**1.22519**	21824
chr11	22512283	22519231	Tmem17	**1.35846**	7771
chr12	41024090	41955588	Immp2l	**1.16676**	5588
chr2	130872541	130906396	A730017L22Rik	**0.92227**	9146
chr4	58435252	58553491	Lpar1	**1.63181**	24788
chr6	34871771	34878065	3110062M04Rik	**1.30851**	8507
chr8	25024928	25038962	Htra4	**1.02319**	9318
chr10	80602880	80607654	Adat3	**1.22652**	6878
chr6	148212375	148212430	4732416N19Rik	**0.36779**	86
chr11	6620319	6620419	Snora5c	**0.21815**	92
chr4	126024659	126044975	Csf3r	**0.30613**	5173
chr10	118141787	118168999	Mdm1	**0.85825**	11292
chr12	73286848	73354045	Slc38a6	**0.88537**	10939
chrX	139889511	139998595	Rbm41	**1.10197**	31100
chr18	61298136	61400431	Ppargc1b	**0.95751**	14617
chr2	119047119	119104121	Casc5	**0.82715**	22536
chr2	129369902	129375733	Il1bos	**0.5663**	3301
chr5	129863952	129879083	Phkg1	**0.8097**	6231
chr5	137730963	137739998	Nyap1	**1.45125**	21215
chr9	95752642	95845279	Pls1	**1.10029**	16985
chr17	33974659	33978791	H2-K2	**1.59776**	8833
chr2	180179755	180179823	Mir7005	**1.67991**	484
chrX	74274027	74274105	Mir7091	**0.75485**	249
chr4	135120645	135177990	Runx3	**0.9171**	14900
chr5	110167508	110176504	Gm15787	**0.64404**	3461
chr2	180598222	180621956	Col9a3	**0.72717**	7946
chr17	36109030	36111676	C920025E04Rik	**1.15844**	6235
chr16	91614257	91618999	Dnajc28	**1.18513**	17493
chr7	30423304	30428746	Nfkbid	**0.70847**	5946
chr11	70688361	70700155	Inca1	**0.61797**	3308
chr7	118535844	118584686	Tmc7	**1.15295**	21630
chr11	95830072	95842476	Abi3	**0.74716**	7397
chr7	80316616	80324454	Rccd1	**0.95449**	9326
chr5	125003475	125012547	Fam101a	**0.84185**	5800
chr2	71981215	72257474	Rapgef4	**1.07496**	20710
chr12	11240926	11265787	Gen1	**0.65253**	8945
chr11	99415664	99422259	Krt12	**0.98225**	7604
chr4	116097044	116123690	Rad54l	**0.7557**	8384
chr8	46552069	46579584	Cenpu	**0.88225**	5150
chr6	124841095	124857687	Leprel2	**1.01596**	11789
chr11	110269369	110337716	Abca5	**1.16241**	40135
chr8	40308051	40386304	Micu3	**1.14213**	15585
chr10	127182521	127190054	Arhgef25	**0.87569**	8728
chr4	99829500	99912783	Efcab7	**1.00168**	7608
chr16	92346001	92359468	Kcne1	**0.71339**	9398

chr11	116918863	116986944	Mgat5b	**1.06842**	18978
chr3	152273460	152340407	Fam73a	**0.76061**	17004
chrX	134075316	134075397	Mir3112	**1.56254**	535
chr2	80411970	80447396	Frzb	**1.69982**	20725
chr1	135371456	135375063	Shisa4	**0.57236**	2844
chrX	153685154	153696280	Kctd12b	**1.09282**	21880
chr13	12182717	12186488	Gm10336	**0.9906**	15602
chr15	74702412	74707864	Jrk	**0.85713**	19516
chr12	32173397	32208649	Pik3cg	**0.9674**	28090
chr3	134829007	134934581	Tacr3	**0.45169**	7099
chr9	108854043	108862143	Slc26a6	**0.99541**	11326
chr5	25760026	25850341	Actr3b	**0.52349**	3740
chr7	109034460	109083324	Ric3	**0.65566**	17368
chr5	92346639	92348889	Cxcl10	**1.64574**	7559
chr13	12186540	12258113	Mtr	**1.02708**	19230
chr19	60889749	61092555	Grk5	**1.08168**	14304
chr17	66123520	66152168	Ddx11	**0.79909**	13847
chr1	39548747	39548840	Snord89	**0.62421**	245
chr11	97509340	97575126	Srcin1	**1.16596**	33909
chr5	137569840	137588081	Tfr2	**0.63294**	9990
chr12	69198430	69199868	9330151L19Rik	**0.78255**	4702
chr12	84409068	84433780	Ccdc176	**0.42378**	3700
chr7	141061274	141072119	B4galnt4	**0.77524**	10051
chr5	35652026	35679780	Htra3	**1.25825**	18131
chr11	61653321	61672777	Grap	**1.00245**	6693
chr7	44836288	44836537	Il4i1	**1.33811**	352
chr7	44816370	44834092	Nup62-il4i1	**0.67656**	678
chr5	74093083	74094336	Dancr	**1.08282**	4137
chr9	59707764	59716424	Gramd2	**1.08909**	6221
chr11	59810080	59818362	Gm16062	**1.63909**	2984
chr9	79598987	79718722	Col12a1	**0.97495**	47707
chr5	115631049	115631816	1110006O24Rik	**0.71692**	2299
chrX	102119465	102127673	Pin4	**1.21258**	2405
chr1	9960163	9967485	Tcf24	**0.51568**	8066
chr11	120653789	120660837	Notum	**0.81989**	6912
chr14	75955003	75965217	Kctd4	**0.96901**	12199
chr17	57358686	57483529	Emr1	**1.18085**	16000
chr8	95703037	95715119	Ndrg4	**1.10928**	13738
chr7	29289320	29293390	Ppp1r14a	**0.72885**	1616
chr4	107291465	107307143	Dio1	**1.98372**	13783
chr11	3452472	3479831	8430429K09Rik	**0.78944**	8399
chr9	70089310	70141557	Fam81a	**1.00897**	12146
chr1	16994940	17097889	Jph1	**0.87118**	17486
chr8	40423815	40484842	Zdhhc2	**1.17646**	12271
chr17	57279100	57329236	Vav1	**0.9852**	17146
chr7	79392338	79450264	Fanci	**0.80188**	14133
chr4	149649168	149701629	Pik3cd	**1.08257**	24414

chr6	85213051	85333422	Sfxn5	**0.75361**	11498
chr15	58341464	58389274	Anxa13	**0.70048**	3621
chr19	7269764	7275225	Rcor2	**0.7425**	6244
chr1	189207930	189402273	Kcnk2	**0.52197**	8986
chr16	5884793	7412480	Rbfox1	**1.17059**	26790
chr2	76663034	76673098	Fkbp7	**0.98677**	3700
chr8	45336715	45382291	Fam149a	**0.78614**	17985
chr4	132974095	133001882	Fgr	**0.60589**	8455
chr18	70508680	70530321	Poli	**1.12232**	16252
chr4	14952245	15149131	Necab1	**0.58408**	11004
chr19	53677306	53867080	Rbm20	**1.19077**	32776
chr2	91184061	91195116	Nr1h3	**0.71471**	6076
chr12	98268635	98276722	Gpr65	**0.88122**	7900
chr7	98051054	98119493	Myo7a	**0.6735**	21069
chr14	49682019	49783367	3632451O06Rik	**0.90062**	10334
chr3	95134088	95139520	Lysmd1	**0.82234**	7791
chr8	71988482	72009626	Cyp4f18	**0.84751**	6023
chr11	51253651	51262951	BC049762	**0.41009**	1512
chr9	65630582	65660518	Rbpms2	**0.42082**	3437
chr2	163336242	163397993	Jph2	**0.76744**	13635
chr11	58888153	58904225	Zfp39	**0.63142**	10256
chr11	80089400	80135791	Atad5	**0.79831**	24240
chr2	93403547	93417830	Gm13807	**1.12552**	6086
chr7	119794130	119848938	2610020H08Rik	**1.16181**	11376
chr7	25009851	25072369	Grik5	**0.60116**	9634
chr17	6673610	6738044	Sytl3	**1.25441**	12864
chr8	84208815	84208921	Mir24-2	**0.94799**	95
chr1	193221641	193264045	Hsd11b1	**0.48064**	2900
chr2	32450457	32455476	Naif1	**1.19901**	13863
chr9	40192316	40213604	Zfp202	**1.07311**	17372
chr16	43640655	43640737	Mir568	**0.69539**	241
chr7	131032076	131121628	Dmbt1	**0.18598**	4848
chr2	157010442	157079265	Soga1	**0.891**	49228
chr11	53476578	53480195	Sowaha	**1.10505**	16694
chr8	109339800	109340908	Gm1943	**0.66945**	3100
chr2	113220187	113423560	Mir1954	**0.81108**	254
chr7	100937634	100964366	P2ry6	**0.91012**	7285
chr12	75630594	75669537	Wdr89	**0.94963**	8549
chr17	55652025	55712628	Pot1b	**0.98979**	14461
chr6	48613180	48623227	Zfp775	**0.7742**	13199
chr3	103735394	103738001	Olfml3	**0.82774**	6000
chr7	7171353	7183560	Zfp418	**0.87521**	9867
chr3	95139526	95142360	Tnfaip8l2	**1.29608**	6045
chr15	82899080	82905816	Gm20324	**1.08973**	5078
chr13	9876613	10360803	Chrm3	**1.38259**	18289
chr7	140247301	140299791	5830411N06Rik	**0.72905**	10408
chr17	84511895	84622142	Plekhh2	**0.60791**	17479

chr7	127582448	127588595	Gm166	**1.07697**	7973
chr1	173420604	173466036	Aim2	**1.52852**	16192
chrX	133582861	133688993	Pcdh19	**0.57872**	24875
chrX	144153695	144166274	A730046J19Rik	**1.14464**	22497
chr12	84783212	84875801	Ltbp2	**0.53609**	13227
chr12	116401947	116405161	D430020J02Rik	**0.51202**	6183
chr11	70130357	70137542	Mgl2	**0.95302**	6168
chr12	108536402	108555618	Gm16596	**0.41618**	2240
chr19	11469368	11482196	Ms4a6c	**1.11868**	9585
chr11	98036624	98053462	Stac2	**0.83182**	10590
chr10	82650495	82690650	Glt8d2	**1.35597**	11839
chr11	83028126	83040533	Slfn10-ps	**1.31065**	20287
chr11	94645217	94653754	Eme1	**0.69099**	5808
chr12	83763634	83792384	Papln	**1.03028**	18821
chr10	34126067	34127972	Fam26f	**1.04031**	4700
chr3	32365489	32367438	4930429B21Rik	**0.63771**	4761
chr11	3703731	3863903	Osbp2	**0.74332**	12716
chr5	104508352	104522383	BC005561	**0.89043**	19263
chr11	120442631	120447321	Tspan10	**0.92826**	8000
chr4	134510999	134523922	Clhc1	**0.77316**	4100
chr18	42645221	43059471	Ppp2r2b	**1.58059**	18750
chr14	34526699	34588681	Ldb3	**0.82972**	20839
chr1	165295766	165321851	Gpr161	**0.71207**	5777
chr4	101069038	101151973	Raver2	**0.83972**	12598
chr7	98177194	98184799	Gm16938	**1.20633**	16038
chr6	124512621	124523440	C1ra	**0.72489**	8360
chrX	166499815	166510478	Tceanc	**0.8047**	13598
chr11	72028722	72037509	Aipl1	**0.76058**	4986
chr19	6184410	6224219	1700123I01Rik	**1.18929**	8010
chr11	73135484	73138294	Gsg2	**0.99682**	11700
chr13	43615797	43670944	Rnf182	**0.87973**	12695
chr9	22188166	22202123	Zfp872	**0.31458**	3888
chr17	34145416	34151095	H2-DMb2	**1.00123**	3286
chr7	121064067	121074530	Igsf6	**0.56544**	5036
chr7	28716790	28738140	Fbxo17	**0.99216**	8153
chr3	92957390	92958574	Lce3d	**0.94086**	2200
chr2	148404471	148408188	Thbd	**0.75107**	11660
chr11	69396516	69398234	Tmem88	**0.65497**	3919
chr17	35062693	35066184	G6b	**0.57987**	5150
chr17	26917091	26932579	Kifc5b	**0.71291**	7820
chrX	94791285	94798289	Zxda	**0.8542**	24985
chr15	79154913	79164490	Sox10	**0.97103**	11000
chr14	33923587	33935282	Gdf10	**0.83999**	8800
chr5	97884688	98030962	Antxr2	**1.05999**	16602
chr13	96924689	96950914	Gcnt4	**0.54521**	11599
chr2	163472630	163473003	2310001K24Rik	**0.51868**	810
chr18	34409423	34442788	Pkd2l2	**1.11028**	10431

chr17	26113316	26123253	Tmem8	**0.94946**	13729
chr10	80321283	80329473	Pcsk4	**0.67218**	7056
chr8	123407082	123410744	Mc1r	**1.07225**	16400
chr17	45600967	45602102	Gm7325	**0.57444**	2341
chr12	73100259	73113245	Six4	**1.26988**	29545
chr16	36321665	36334332	BC117090	**0.99262**	1604
chr18	35726989	35730869	1700066B19Rik	**1.18694**	12410
chr11	95145053	95159047	A730090H04Rik	**0.86619**	5729
chr17	17121383	17146878	Zfp97	**0.82344**	9500
chr19	5406815	5422803	4930481A15Rik	**1.10622**	9797
chr16	48924228	48994112	Dzip3	**0.8211**	19786
chr7	83584931	83623709	Tmc3	**0.4124**	7432
chr8	111966908	111992302	Adat1	**0.76381**	10075
chr15	45106284	45114934	Kcnv1	**1.17833**	22121
chr5	123118180	123132629	Rhof	**0.70406**	6300
chr2	150570415	150578944	Cst7	**0.84794**	3491
chr17	32659483	32676480	Cyp4f40	**0.7335**	4833
chr13	48577869	48625672	Ptpdc1	**0.6981**	13397
chr13	53109317	53286109	Ror2	**0.69519**	11524
chr2	164948219	164955849	Mmp9	**0.581**	7700
chr8	105281940	105289528	4931428F04Rik	**1.10472**	9327
chr8	22128283	22166435	Nek3	**1.56267**	13337
chr5	31116612	31137626	Trim54	**0.59826**	3827
chr9	18454054	18473559	Zfp558	**0.65734**	10537
chrX	20105755	20291764	Slc9a7	**0.82323**	8487
chr19	5465240	5468498	Ctsw	**1.45386**	7479
chr4	28813131	28967503	Epha7	**1.29649**	43227
chr5	140724127	140753312	Amz1	**0.83826**	9398
chr5	51454249	51553921	Ppargc1a	**1.04359**	28167
chr9	8076633	8134294	AK129341	**0.44168**	6726
chr15	84324720	84342978	Parvg	**0.6678**	7841
chr12	5077466	5375682	Klhl29	**0.87338**	25699
chr19	32389216	32391184	2700046G09Rik	**0.95753**	6561
chr6	65590398	65634040	Tnip3	**0.42815**	6738
chr9	120577331	120578073	5830454E08Rik	**0.95668**	2968
chr2	125563088	125625113	Cep152	**0.82946**	19977
chr4	119530315	119538769	AA415398	**0.83142**	6603
chr1	82233105	82291439	Irs1	**0.70794**	27086
chr17	6040571	6079739	Serac1	**0.99412**	22137
chr7	8086047	8093037	2810047C21Rik1	**0.60252**	4136
chrX	105120396	105123911	Magee1	**0.75546**	11091
chr10	51480612	51486329	Gp49a	**0.59566**	3686
chr7	92857527	92874232	Ddias	**0.80812**	11638
chr10	20952547	21080429	Ahi1	**0.80512**	17125
chr5	123749726	123821593	Kntc1	**0.82169**	23883
chr5	137852147	137858049	Pilrb1	**0.70814**	3016
chr3	107938848	107943749	Gstm6	**1.09663**	5275

chr12	69893164	69964085	Atl1	**0.664**	7411
chr16	97447035	97462906	Mx1	**1.48428**	18438
chr17	10840384	12063360	Park2	**0.77571**	10368
chr17	56628143	56664456	Catsperd	**0.57319**	6139
chr17	29360914	29379535	Fgd2	**1.06617**	11686
chr2	25498650	25501719	C8g	**0.77932**	4022
chr2	128698997	128802188	Mertk	**0.93924**	13942
chr8	81342562	82127917	Inpp4b	**0.89951**	36789
chr17	34950950	34951008	Snord52	**1.04727**	258
chr7	16994588	16996645	Ccdc8	**1.09214**	9385
chr11	60353380	60394333	Lrrc48	**0.63907**	4958
chr13	119710094	119755882	Nim1k	**0.7462**	12784
chr7	27499324	27520041	Prx	**1.07625**	23638
chr11	78826595	78843899	Lyrm9	**0.9573**	20198
chr6	5168090	5193946	Pon1	**1.09077**	6891
chr4	59626211	59754303	E130308A19Rik	**0.69374**	15877
chr10	67979598	68043864	Rtkn2	**1.0232**	16799
chr5	76591714	76646466	Cep135	**0.84557**	18762
chr18	38238405	38250565	1700086O06Rik	**0.70986**	5276
chr5	128984558	129008572	Stx2	**1.01343**	12424
chr16	91729371	91920579	Itsn1	**0.93229**	75746
chrX	145446424	145487639	Amot	**0.97784**	30561
chr8	25578490	25597487	Letm2	**0.96344**	8448
chr6	58596672	58692451	Abcg2	**0.54599**	5679
chr8	106870242	106882902	Has3	**0.62555**	15442
chr12	84114328	84143510	Dnal1	**0.89786**	21587
chr11	6506548	6520958	Myo1g	**0.81515**	11256
chr1	84036293	84284645	Pid1	**0.90516**	10080
chr9	45253839	45269146	Il10ra	**0.78834**	11498
chr5	120812635	120824160	Oas1b	**1.58505**	12158
chr8	108714644	108961636	Zfhx3	**1.15922**	79570
chr11	98907889	98923942	Cdc6	**0.76621**	15040
chr10	81178961	81179013	Snord37	**0.57839**	128
chr17	43641900	43667015	Slc25a27	**1.00467**	11272
chr2	115493513	115512201	3110099E03Rik	**1.57381**	17375
chr2	28193093	28230736	Olfm1	**0.95154**	13620
chr16	73892306	74410912	Robo2	**0.47937**	16107
chr9	41581339	41592487	2610203C20Rik	**0.64806**	6976
chr1	170317496	170589849	Nos1ap	**1.03143**	15866
chr7	79698146	79714186	Kif7	**0.63321**	11837
chr3	102086455	102146512	Casq2	**0.6959**	7305
chr10	116417868	116473523	Kcnmb4	**1.03158**	3097
chr2	32787607	32847237	Stxbp1	**0.67177**	11234
chr7	24301704	24316666	Zfp94	**0.80941**	8990
chrX	136033367	136034946	Arxes1	**0.40926**	2700
chr10	75923224	75932463	Mmp11	**1.35349**	12699
chr11	70012043	70012131	Mir324	**0.37135**	138

chr5	43818893	43843468	Bst1	**0.8375**	8169
chr12	105030617	105032279	Snhg10	**1.11733**	2468
chr1	87620312	87720510	Inpp5d	**0.91662**	18268
chr13	93040715	93144724	Cmya5	**0.70634**	27364
chr6	38381524	38427647	Ttc26	**0.70598**	12204
chr3	102734770	102772310	Tspan2	**0.61531**	10981
chr5	120753098	120777659	Oas3	**2.61923**	51599
chr12	4082574	4110612	Dnajc27	**0.87316**	17183
chr11	59505685	59511067	4933439C10Rik	**1.18364**	6252
chr9	72438529	72456903	Mns1	**0.84295**	5431
chr14	55878920	55884256	Cbln3	**1.50566**	29693
chr7	45215753	45233619	Tead2	**1.14289**	9592
chr18	37742094	37744658	Pcdhgb6	**0.59401**	6362
chr13	104109790	104141441	Sgtb	**0.89422**	10100
chr15	101643020	101647380	Gm5478	**0.85117**	10520
chr9	124121543	124127183	Ccr5	**1.00658**	12298
chr6	34303930	34317489	Akr1b3	**1.13519**	237
chr13	15463723	15730025	Gli3	**0.73041**	25698
chr2	79834453	80129412	Pde1a	**1.26377**	25250
chr1	12866550	12991135	Slco5a1	**0.49235**	17497
chr2	30795563	30803664	1700001O22Rik	**0.63297**	4205
chrX	7158412	7319358	Clcn5	**0.69394**	12613
chr2	114047289	114052811	Actc1	**0.67023**	3890
chr5	127632262	127707520	Glt1d1	**0.59727**	3888
chr14	27039001	27107286	Il17rd	**0.95648**	32829
chr7	100472991	100486432	Ucp3	**0.51039**	5217
chr5	38137770	38159467	Nsg1	**0.73257**	4781
chr2	163726571	163750239	Ada	**0.51108**	3630
chr14	52311177	52328670	Sall2	**0.59675**	13296
chr19	5024006	5031972	Slc29a2	**0.82181**	8486
chr19	46312091	46327156	Psd	**0.7966**	12959
chr3	96601133	96625352	Lix1l	**0.72153**	7559
chr7	30056034	30072823	Zfp82	**0.74436**	10555
chr9	56201129	56418050	Peak1	**0.70013**	32096
chr7	142326110	142372259	Ifitm10	**1.16187**	15670
chr15	6579847	6665608	Fyb	**0.91416**	19074
chr5	120896257	120907525	Oas1a	**3.71719**	29304
chr1	45374331	45503282	Col5a2	**0.76297**	21074
chr6	38287394	38299259	Zc3hav1l	**0.79848**	21798
chr3	37312554	37321451	Bbs12	**0.84058**	8543
chr17	46129277	46144198	Rsph9	**1.17788**	4633
chr13	22002176	22009741	Prss16	**0.6527**	5865
chr7	141448803	141448936	Snora52	**0.14655**	82
chr4	88910557	88910662	Mir31	**0.50835**	225
chr11	109440078	109440255	LOC100503496	**0.44804**	333
chr3	89215187	89226837	Thbs3	**0.82359**	10946
chr7	101289616	101302088	Atg16l2	**0.72644**	6564

chrX	106143275	106160493	Tlr13	**0.44575**	7471
chr6	5383386	5433021	Asb4	**0.48824**	6697
chr4	115000118	115043198	Stil	**0.67159**	14941
chr7	12415149	12422491	Zfp551	**0.77386**	7545
chr11	75193993	75267762	Rtn4rl1	**0.80629**	11137
chr9	45139042	45154061	Scn4b	**0.63411**	11237
chr11	120232947	120292297	Bahcc1	**0.91854**	41142
chr16	17276300	17278661	Tmem191c	**1.21583**	7148
chr14	56696275	56701000	Gm16973	**1.3322**	9946
chr12	100876682	100908198	Gpr68	**0.83491**	12219
chr9	106470353	106476651	Parp3	**0.8792**	9666
chr5	113793729	113800352	Tmem119	**0.85378**	7408
chr11	23013387	23023741	Fam161a	**0.42582**	3444
chr9	65587205	65595962	Pif1	**0.93532**	14372
chr6	125215581	125222306	Vamp1	**0.73725**	8441
chr9	111054835	111057270	Ccrl2	**1.11517**	9825
chr4	119232915	119248977	Lepre1	**1.02054**	14335
chr6	120203810	120294559	B4galnt3	**0.57119**	7062
chrX	136974022	136974239	Tmsb15b1	**1.41608**	1289
chr11	67200114	67224575	Myh1	**0.9699**	24376
chr4	108400217	108406713	Gpx7	**1.61548**	8189
chr1	75546266	75559431	Slc4a3	**0.74458**	13807
chr10	88091398	88146941	Parpbp	**0.90653**	12090
chr11	4141193	4160293	Ccdc157	**0.89238**	18940
chr7	109758056	109781545	Nrip3	**0.84896**	13871
chr9	88956920	88962416	Bcl2a1a	**0.93269**	3100
chr17	43146041	43158291	E130008D07Rik	**1.12624**	23880
chr14	55575674	55576952	Fitm1	**0.68276**	2600
chr2	52428320	52676609	Cacnb4	**0.48243**	17489
chr11	70790932	70812561	Scimp	**0.74912**	3300
chr5	90366997	90368488	Gm9958	**0.85058**	5299
chr4	108879070	108943324	Rab3b	**0.60842**	7629
chr2	128863932	128897034	Fbln7	**0.61746**	7500
chr12	108851129	108856815	Slc25a47	**0.89946**	5934
chr2	120732817	120850584	Ttbk2	**0.76219**	35861
chr9	120048683	120068296	Cx3cr1	**0.96984**	15198
chr10	82128013	82153065	AU041133	**0.86004**	9459
chr3	116585196	116614587	Trmt13	**1.12001**	9545
chr13	13437602	13512275	Nid1	**0.63367**	15997
chr3	59114623	59132462	P2ry14	**1.44836**	15101
chr8	54550331	54587836	Asb5	**0.90867**	5991
chr17	36115871	36121435	H2-T10	**1.29843**	15598
chr10	7678971	7681158	BC020402	**0.70851**	6473
chrX	16885522	16911764	Ndp	**0.52171**	4200
chr19	37021291	37207471	Cpeb3	**0.90758**	24640
chr17	23741199	23745829	Kremen2	**0.95819**	8470
chr15	76457438	76459468	Scx	**0.85804**	4070

chr7	4782940	4784340	Tmem190	**0.9334**	2280
chr11	121434953	121450490	Fn3k	**0.77609**	3260
chr7	29003340	29125151	Ryr1	**0.57252**	36724
chr16	22059009	22163299	Igf2bp2	**0.49452**	8051
chr1	134296783	134332928	Ppfia4	**1.13639**	28788
chr19	58728887	58744169	Pnliprp1	**0.87749**	5932
chr2	175470025	175470059	Gm14306	**0.93744**	137
chr12	4833174	4841595	Fkbp1b	**1.09653**	4487
chr6	125049927	125063265	Acrbp	**0.68542**	5475
chr16	57036967	57071346	Tmem45a2	**0.26838**	3437
chr9	75775365	75899017	Bmp5	**0.62525**	6600
chr10	88459587	88473236	Sycp3	**0.41164**	1791
chr12	69168814	69179010	Lrr1	**0.82697**	5183
chr9	21927536	21935872	Ccdc159	**0.70492**	4315
chr13	47023543	47043217	Tpmt	**0.87637**	9935
chr5	136083916	136111861	Rasa4	**0.84311**	10262
chr8	3623374	3625545	Pcp2	**0.79625**	2068
chr11	99280093	99285238	Krt24	**1.15024**	8112
chr16	44867097	44915840	Cd200r2	**1.17542**	8589
chr16	32142825	32165476	Nrros	**0.6499**	9658
chr7	19671579	19677941	Apoc2	**0.46086**	1399
chr16	96467606	96525793	Pcp4	**0.54437**	1457
chr11	97136171	97149712	Tbkbp1	**0.69068**	9618
chr8	119666365	119688020	Wfdc1	**1.34865**	6583
chr14	99870640	100149796	Klf12	**1.08924**	26079
chrX	157566119	157568985	Yy2	**0.71714**	8585
chr2	34893755	34913976	Phf19	**0.99469**	15546
chr4	43957702	43979118	Glipr2	**0.94895**	8000
chr13	54503805	54551217	Simc1	**0.98364**	19386
chr9	20667986	20728214	Olfm2	**0.89358**	5690
chr9	72458055	72491959	Tex9	**0.68728**	11631
chr7	28982854	29003278	Map4k1	**0.87674**	9877
chr6	83101516	83109107	Ccdc142	**0.98572**	12821
chr11	101155884	101161787	Tubg2	**0.84813**	6293
chr8	85636588	85691009	Neto2	**0.65684**	15485
chr8	71554303	71558871	Tmem221	**0.54636**	3511
chr14	115044392	115046728	Mir17hg	**0.85971**	8102
chr11	46978783	47379302	Sgcd	**0.32149**	1878
chr12	90724552	90738438	Dio2	**0.88948**	21597
chr4	123403601	123411911	D830031N03Rik	**0.84841**	29442
chr11	100347327	100356141	Hap1	**0.61637**	8125
chr14	61309753	61311936	Arl11	**0.63024**	3900
chr14	61602836	61682373	Dleu2	**0.87173**	6166
chr15	102662868	102671047	Atp5g2	**0.98018**	2648
chr11	121036749	121039478	Cd7	**2.55611**	11100
chr4	144669937	144686368	Gm436	**0.46392**	2371
chr13	23571400	23571863	Hist1h2bg	**0.63538**	1231

chr10	113586578	113614774	Mir669h	**0.23949**	50
chr7	127382260	127387166	9130019O22Rik	**0.90164**	14600
chr13	67312998	67332560	Zfp595	**0.89554**	14617
chr4	155839680	155844102	Mxra8	**0.83266**	7868
chrX	6047507	6054751	Nudt11	**0.5933**	6498
chr15	75909735	75914535	Tigd5	**0.87795**	17600
chr6	145250552	145251856	Gm15706	**0.59467**	2200
chr7	29932791	29951893	Zfp74	**0.97242**	15068
chr2	140395430	142390050	Macrod2	**0.69828**	14698
chrX	102513975	102644246	Phka1	**0.62714**	16013
chr18	69925559	69969484	Ccdc68	**0.83657**	5327
chr3	40894277	40936307	3110057O12Rik	**0.74116**	7712
chr18	35614604	35627227	Slc23a1	**1.27737**	16049
chr6	24597771	24605414	Lmod2	**0.60573**	4975
chr3	90266514	90280665	Dennd4b	**0.63906**	14460
chr4	112804616	113286973	Skint6	**1.12819**	18014
chrX	101449109	101453541	Itgb1bp2	**1.02372**	5527
chr15	44671856	44788063	Sybu	**0.78835**	12331
chr8	70895759	70895856	Snora68	**1.76197**	721
chr17	36860691	36867187	Trim15	**1.22994**	9465
chr3	89350235	89365239	Dcst1	**0.36566**	3530
chr4	108579454	108614831	Orc1	**0.52438**	6595
chr14	34051130	34102754	A630023A22Rik	**0.57851**	2575
chr9	122382022	122398801	A730085K08Rik	**0.44513**	1052
chr18	25127223	25168877	Tpgs2	**0.65597**	18639
chr2	150934519	151009398	Ninl	**0.7165**	15237
chr9	78257129	78269166	Gm3776	**1.7929**	6543
chr11	87806428	87826114	Lpo	**0.58093**	7100
chr7	55962531	55980096	A230056P14Rik	**0.89116**	3468
chr7	45627537	45639092	Rasip1	**0.57677**	7591
chr2	164731226	164743267	Wfdc3	**1.9685**	6740
chr4	128583539	128610098	Zscan20	**0.62142**	13939
chr2	3424131	3461116	Dclre1c	**0.7278**	11703
chr13	51097738	51100727	9430083A17Rik	**0.60842**	7596
chrX	100524838	100546108	Dgat2l6	**0.70968**	4762
chr19	38524197	38785100	Plce1	**1.25805**	49951
chr2	155490380	155514846	Ggt7	**0.65243**	7113
chr5	8660092	8748570	Abcb1a	**0.75885**	15770
chr15	103530279	103537992	Ppp1r1a	**0.60529**	3273
chr3	86140617	86140687	Rnu73b	**0.49248**	146
chr17	87274886	87282814	4833418N02Rik	**0.57963**	3703
chr5	45719667	45727578	Gm3414	**0.94801**	31319
chr17	27018035	27036377	Ggnbp1	**0.54426**	4052
chr11	87756841	87756955	Mir142b	**0.29115**	62
chr11	96944146	96965060	D030028A08Rik	**0.70361**	8285
chr5	137296624	137296688	Mir7036	**1.81277**	492
chr18	57468486	57478134	Ctxn3	**0.8623**	5300

chrX	6400145	6633717	Shroom4	**1.0848**	20057
chr2	156852403	156862945	5430405H02Rik	**1.4494**	3843
chr11	98001508	98022627	Cacnb1	**0.54334**	8730
chr13	74371426	74376566	Zfp72	**0.79992**	5441
chr15	76660641	76668196	Kifc2	**0.74324**	9754
chr4	132564067	132580866	Ptafr	**0.51478**	3912
chr11	29374172	29510808	Ccdc88a	**0.43369**	16048
chr9	108403633	108428482	Ccdc36	**0.39049**	4673
chr2	156312473	156375638	Cnbd2	**0.79134**	6288
chr8	128359073	128505475	Nrp1	**0.80041**	19518
chr7	45526330	45554229	Plekha4	**0.68885**	7651
chr2	26581056	26592682	Egfl7	**0.9305**	6166
chr1	61638824	62642284	Pard3b	**0.57633**	20195
chr17	6439002	6450994	Tmem181b-ps	**0.98649**	19401
chr11	115523109	115536230	Sumo2	**1.18382**	4513
chr8	70882889	70892757	Slc5a5	**1.00083**	12236
chr10	39892760	39899238	AA474331	**0.55442**	1808
chr9	106152860	106158138	Glyctk	**0.85397**	14263
chr3	90450592	90465866	Npr1	**0.53507**	9082
chr9	110476958	110525174	Kif9	**0.66267**	9654
chr14	55061659	55092048	Zfhx2	**0.86298**	25040
chr7	29893337	29906508	Zfp27	**0.78829**	12600
chr7	143071529	143094642	Trpm5	**0.43429**	7948
chr2	164830730	164833596	Neurl2	**0.55449**	1924
chr15	84553398	84557823	Ldoc1l	**0.78947**	14590
chr16	93919031	94008837	Cldn14	**0.77923**	6400
chr7	27984471	28014115	Zfp850	**0.6959**	19021
chr6	53573374	53695832	Creb5	**0.61019**	7320
chr1	187609006	188214884	Esrrg	**1.34038**	31230
chr11	105967945	105989964	Ace	**0.60257**	12721
chr7	18991245	19001766	Mypop	**1.10706**	10054
chr8	70616844	70620850	Lrrc25	**0.64134**	3409
chr7	28833794	28840867	Lgals4	**0.74531**	1444
chr14	56402697	56525031	Rnf17	**0.32809**	7051
chr1	74125541	74148230	Rufy4	**0.63215**	6166
chr6	148842492	148896237	Caprin2	**0.59335**	9152
chr19	46667165	46673000	Cyp17a1	**1.11602**	8579
chr4	112710830	112774861	Skint10	**2.50171**	18061
chr5	148990056	148995214	5930430L01Rik	**1.02173**	17001
chr5	65199696	65260415	Wdr19	**0.76629**	14088
chr2	124089969	124667789	Sema6d	**0.82202**	24737
chr16	48842552	48844461	Retnla	**1.23751**	3090
chr5	139017304	139130386	Prkar1b	**0.40562**	4639
chr11	69804931	69806038	G630025P09Rik	**0.6023**	1265
chr6	118502564	118562256	Ankrd26	**0.73313**	17461
chr15	30172593	31029343	Ctnnd2	**0.56051**	13916
chr3	87078592	87174747	Kirrel	**0.62619**	19053

chr16	45094053	45127924	Ccdc80	**0.49848**	7593
chr14	44851235	44859375	Ptgdr	**0.94008**	12510
chr4	12140117	12146746	Rbm12b1	**0.9188**	12599
chr15	55307750	55520803	Col14a1	**0.93416**	25151
chr6	116264219	116330304	Zfand4	**0.62298**	8181
chr6	128934381	128984707	Clec2g	**0.98823**	10320
chr7	143636725	143649638	Tnfrsf22	**0.7209**	6848
chr12	110275385	110278047	Dio3os	**0.38494**	2022
chr10	81628540	81647612	Ankrd24	**0.56534**	8635
chr4	130308778	130315463	Fabp3	**0.83635**	2235
chr10	76595756	76623404	Col6a2	**0.68476**	10662
chr1	36307733	36324029	Arid5a	**0.79523**	19239
chr12	99717531	99883442	Efcab11	**0.70991**	6133
chr6	128399766	128408935	Nrip2	**0.37364**	2958
chr10	95417375	95428640	5730420D15Rik	**0.4567**	2254
chr1	134986353	135105276	Lgr6	**0.78669**	11901
chr17	36005695	36020560	H2-T24	**0.8189**	7461
chr3	88744701	88772599	Syt11	**0.61339**	11697
chr1	153404186	153414233	E330020D12Rik	**0.27338**	3227
chr5	65987928	66004285	9130230L23Rik	**1.38309**	8397
chr2	27021365	27027998	Slc2a6	**0.36832**	3285
chrX	108834478	108886896	2810403D21Rik	**0.81093**	3403
chr7	81859001	81876094	Tm6sf1	**0.60565**	3543
chr9	57441327	57468060	Scamp5	**0.9445**	13188
chr7	84246275	84410038	Arnt2	**0.45911**	11642
chr13	23760795	23761249	Hist1h4a	**0.21054**	400
chr4	135369577	135398227	Ncmap	**0.98171**	8805
chr13	67038594	67061170	Zfp712	**0.64174**	10638
chr17	35026338	35028016	Sapcd1	**0.58097**	1276
chr12	90998492	91384409	Cep128	**0.73457**	14744
chr12	112850876	112860916	Gpr132	**0.67822**	6907
chr7	30522226	30535060	Arhgap33	**0.63752**	11766
chr7	30169922	30180209	Gm5113	**0.59974**	7400
chr11	109672926	109722256	Fam20a	**0.73996**	7851
chr3	153910567	153910611	Snord45b	**0.3619**	68
chr3	53513938	53657355	Frem2	**0.87472**	45100
chr11	70459985	70466199	Zmynd15	**1.02702**	10455
chr9	99385420	99436712	Mras	**1.0615**	17871
chr1	164931648	164935510	Xcl1	**1.1445**	2399
chr13	23751088	23751592	Hist1h2ab	**0.1252**	264
chr2	122298900	122302885	Duoxa2	**1.12269**	7463
chr2	122594473	122611277	Gatm	**0.80149**	7888
chr6	113531682	113596285	Fancd2	**0.73185**	14607
chr17	57189474	57194181	Tnfsf14	**0.51973**	4056
chr6	83156404	83162975	1700003E16Rik	**0.89839**	7690
chr15	78282508	78305721	Csf2rb2	**0.46644**	9109
chr9	104098138	104126581	Ackr4	**1.54201**	13180

chr16	4616466	4624946	Pam16	**0.64298**	1482
chr11	96795332	96798156	Gm11517	**0.45584**	1300
chr2	181227615	181242027	Helz2	**0.99118**	41838
chr18	88971790	89131014	Rttn	**0.74999**	22610
chr1	53189189	53296996	Pms1	**0.65129**	8240
chr16	34690616	34725194	Ccdc14	**0.71433**	12250
chr2	155941025	155945364	Gdf5	**1.11728**	10800
chr11	106654218	106715281	Pecam1	**0.64782**	8940
chr13	77135536	77613679	2210408I21Rik	**0.6744**	13939
chr11	72498156	72550246	Spns3	**1.6688**	12675
chr2	153341157	153345810	2500004C02Rik	**0.90976**	7210
chr7	24978169	25005937	Atp1a3	**0.37881**	5691
chr7	24254794	24262444	Zfp108	**0.81014**	8900
chrX	161836430	162159441	Nhs	**0.82318**	18499
chr7	43562370	43575461	Zfp658	**0.88352**	12473
chr9	108568777	108568861	Mir425	**0.80582**	286
chr11	106318593	106349390	Scn4a	**0.94737**	26100
chr9	104002544	104043811	Nphp3	**0.76394**	20498
chr1	174011998	174031755	Ifi205	**1.85238**	12476
chr2	93833467	93849943	Accs	**0.92812**	16168
chr11	83175186	83190216	Slfn4	**1.5645**	25856
chr8	84043067	84044979	Rln3	**0.56873**	1128
chr3	104781056	104786017	Ppm1j	**0.89698**	6442
chr1	120067377	120073780	Tmem37	**0.39986**	1698
chr9	50751072	50752354	Hspb2	**0.73925**	1815
chr7	28451985	28467548	Lrfn1	**0.51651**	5974
chrX	36328409	36366856	Lonrf3	**0.55775**	17164
chrX	51386637	51681602	Hs6st2	**0.68449**	13696
chr17	13716436	13761394	Tcte2	**0.88449**	5200
chr7	35685500	35754454	Dpy19l3	**0.80124**	25664
chr10	80948624	81014925	Gng7	**0.64618**	9430
chr10	128913591	128919297	Rdh5	**0.4824**	2538
chr15	103248212	103258403	Nfe2	**0.28297**	3300
chr7	30355514	30362772	Lrfn3	**0.69495**	8302
chr10	17796219	17845663	Txlnb	**0.57484**	10698
chr1	153899926	153899928	Mir8114	**0.23949**	3
chrX	136213972	136215513	Bex1	**0.47013**	1700
chr5	110110092	110129794	Zfp605	**0.72204**	9521
chr7	139212988	139242973	Lrrc27	**0.44007**	4818
chr9	6928503	7177046	Dync2h1	**0.55579**	32425
chr3	101275908	101287939	Cd2	**0.95964**	4584
chr9	122923078	122931028	Zfp105	**0.64534**	5400
chr4	62427542	62434726	Rnf183	**0.44538**	2611
chr3	105704599	105720842	Fam212b	**0.82151**	16400
chr15	78755883	78773445	Mfng	**0.54297**	4158
chr3	135307700	135342767	Slc9b2	**0.26191**	2453
chr15	78523346	78529651	C1qtnf6	**0.49666**	4691

chr11	95140447	95145801	Dlx4	**0.2853**	2074
chr2	58129139	58160122	Cytip	**0.84033**	20123
chr6	115840697	115853341	Mbd4	**0.79626**	11916
chr9	119402501	119433506	Acvr2b	**0.74593**	5298
chr10	75893398	75895941	Derl3	**0.35476**	1979
chr3	95160420	95174050	Sema6c	**0.52225**	9028
chr7	24112320	24127952	Zfp112	**0.59999**	8786
chr13	108316337	108389557	Depdc1b	**0.60611**	6403
chr17	66336982	66449750	Mtcl1	**0.60287**	18321
chrX	7411817	7422988	2010204K13Rik	**0.63265**	2499
chr5	144190286	144194441	Bhlha15	**0.49379**	7204
chr9	36843659	36878640	Fez1	**0.81185**	4356
chr2	84839408	84863586	Slc43a1	**0.36505**	4457
chr2	18025189	18037741	A930004D18Rik	**0.93377**	10344
chr5	149006962	149012776	Gm15408	**0.75807**	4365
chr6	129267325	129275369	Cd69	**0.7096**	4800
chr6	124904359	124911705	Lag3	**0.70544**	5900
chr14	59320964	59341330	Phf11b	**1.06216**	5158
chr6	24748367	24766519	Hyal4	**0.61593**	5370
chr2	129297370	129307826	Gm14023	**0.89099**	5800
chr7	104315031	104324838	Gm15133	**1.0544**	3663
chr4	43668971	43692667	Tmem8b	**0.65813**	13119
chr11	69622109	69623869	Sat2	**0.47328**	1743
chr5	35757880	35884979	Ablim2	**0.72777**	11429
chr15	6299789	6440709	Dab2	**0.54274**	10488
chr19	4886882	4906627	Bbs1	**0.54295**	12689
chr15	96994823	97055956	Slc38a4	**0.80905**	13283
chrX	8081466	8090491	Was	**0.71333**	6237
chr2	4717831	4802146	Bend7	**0.68577**	10987
chr5	120680264	120711669	Dtx1	**0.91684**	14222
chr1	175880778	175911396	Exo1	**0.53883**	12388
chr2	177498226	177512311	Gm14403	**0.52705**	8169
chr19	11443558	11463548	Ms4a4b	**1.02612**	5390
chr17	15543079	15563323	Prdm9	**0.83421**	12052
chr1	118834061	119053619	Gli2	**0.64**	17926
chr7	101899808	101906359	Tomt	**0.55341**	3279
chr11	54839289	54860591	Lyrm7	**0.40483**	3685
chr5	38668484	38684826	Zfp518b	**0.45236**	12999
chr17	94864918	94878321	Gm20939	**0.76501**	7957
chr9	114490316	114496544	Ccr4	**0.55795**	6493
chr19	4003385	4007005	Doc2g	**0.75413**	4399
chr7	127932638	127946725	Prss36	**0.81659**	10437
chr13	58806569	59133970	Ntrk2	**0.53334**	31260
chr13	4233740	4248359	Akr1c19	**0.49113**	2547
chr3	146457203	146499753	Spata1	**0.52494**	3838
chr12	111572317	111574402	2810029C07Rik	**0.81861**	6679
chr17	26199183	26201350	Arhgdig	**0.22325**	962

chr19	5068078	5070639	Cd248	**0.45804**	4900
chr16	17233587	17263430	Hic2	**0.86888**	22998
chr1	136467848	136530819	Kif14	**0.67174**	23387
chr15	75754447	75841908	Zc3h3	**0.61322**	8547
chr19	11518559	11530403	Ms4a6b	**0.99374**	7000
chr19	10018228	10035586	Rab3il1	**0.66975**	6488
chr10	62947029	62974188	Dna2	**0.5548**	9549
chrX	94234930	94273515	Klhl15	**0.50632**	10911
chr17	22144359	22165977	Zfp947	**0.32344**	3591
chr14	46084027	46084957	Gm1821	**0.64762**	1901
chr1	106980984	107001195	Serpinb13	**0.57734**	3874
chr10	20347819	20361669	Mtfr2	**0.61248**	5900
chr4	140810993	140817511	Gm13032	**0.61981**	2073
chr7	82867333	82871576	Mex3b	**0.79055**	11276
chr6	92772699	92901441	Adamts9	**0.45621**	11498
chrX	9199973	9268085	Lancl3	**0.52786**	8640
chr4	5644179	5799944	Fam110b	**1.06157**	8843
chr3	88364589	88368541	Paqr6	**1.6099**	11226
chr13	21478849	21485505	Zkscan4	**0.72159**	7400
chr14	34345055	34345658	Gm3219	**0.60507**	1526
chr11	71031941	71033617	6330403K07Rik	**0.55407**	3697
chr15	89182213	89196474	Dennd6b	**0.82537**	15891
chr2	177935993	177957288	Gm14326	**0.65143**	8998
chr9	44273190	44288244	Abcg4	**0.5482**	8300
chr15	75993769	75999153	Mapk15	**0.39746**	3203
chrX	7372591	7375830	Usp27x	**1.03484**	14000
chr1	53061663	53068079	Mstn	**0.59828**	6700
chr3	145758692	145894277	Ddah1	**0.78603**	12298
chr11	11930499	12037420	Grb10	**1.18111**	25438
chr7	3712505	3720382	Pirb	**0.50514**	5754
chr18	74195299	74207818	Ska1	**0.70887**	7900
chr10	81252935	81262981	Matk	**0.60269**	5856
chr13	62516797	62558599	Zfp934	**0.47034**	4790
chr14	66802864	66868600	Dpysl2	**0.52378**	9693
chr12	51593341	51605773	Coch	**0.87553**	9081
chr4	141213956	141220114	Rsg1	**0.62253**	2472
chr8	111127444	111145498	9430091E24Rik	**0.76086**	7898
chr8	84030296	84042575	Il27ra	**0.56798**	6280
chr8	40862367	40922070	Slc7a2	**0.56366**	18492
chr1	9667411	9700209	Mybl1	**0.68489**	14253
chr16	11254368	11254445	Mir1945	**0.87814**	286
chr6	48571783	48572670	Rarres2	**0.43917**	706
chr18	84610509	84650095	Cndp1	**0.95983**	11338
chr8	104170513	104219097	Bean1	**0.81926**	11600
chr10	85928491	85929647	Ascl4	**0.59593**	2879
chrX	73655992	73660070	Pnck	**0.57344**	4013
chr4	40920056	40931395	Spink4	**0.39062**	641

chr4	11558920	11615808	Rad54b	**0.52246**	6381
chr7	114718643	114723365	Calcb	**0.68238**	2741
chr7	42660108	42692718	Gm5595	**0.59785**	7851
chr5	71569734	71658308	Gabra4	**0.34887**	6006
chr11	69935899	69941599	Ybx2	**0.50915**	3325
chr4	43631935	43651240	Npr2	**0.70112**	10703
chr9	49436961	49486225	Ttc12	**0.63317**	9597
chr6	116633008	116673836	Rassf4	**0.64173**	16999
chr11	58867240	58884338	2810021J22Rik	**0.77556**	15842
chr9	50533087	50555138	Bco2	**0.91468**	7925
chr13	23581602	23581969	Hist1h4d	**0.30327**	466
chr10	94790866	94944578	Plxnc1	**0.69396**	20414
chr5	107331194	107387058	Brdt	**0.54646**	10747
chr11	97989580	97996173	Arl5c	**0.46932**	3059
chr12	76580488	76710547	Sptb	**0.48608**	21096
chr8	84415364	84640249	Cacna1a	**0.48211**	15891
chr5	8798147	8866314	Abcb1b	**0.59211**	10740
chr17	55952623	55957022	Ebi3	**0.55607**	2092
chr6	4674350	4747204	Sgce	**0.58679**	4594
chr18	49696145	49755601	Dtwd2	**0.60158**	7900
chr7	44525995	44532071	Spib	**0.54629**	6355
chr7	80862108	80876513	Zscan2	**0.60041**	5731
chr1	178405881	178483249	Efcab2	**0.69158**	7329
chr11	102348820	102365281	Slc4a1	**0.66347**	12605
chr2	152754173	152765037	Cox4i2	**0.62591**	1900
chr6	124864693	124888209	Cd4	**1.02072**	13191
chr4	141420779	141425310	Hspb7	**0.58307**	6739
chr12	79297282	79814690	Rad51b	**0.72936**	8640
chr9	123767211	123783457	Ccr9	**0.83424**	15299
chr14	22019712	23056088	1700112E06Rik	**0.76238**	2900
chr1	133679029	133690108	Lax1	**0.62837**	6221
chr8	94902869	94918098	Ccdc102a	**0.56661**	5451
chr18	37714834	37717374	Pcdhga7	**0.44911**	4765
chr4	141546162	141548313	B330016D10Rik	**0.908**	8159
chrX	13467672	13489313	Nyx	**0.25874**	3912
chr5	137288254	137294466	Ache	**0.63164**	5834
chr18	38993145	39376285	Arhgap26	**0.91531**	30189
chr13	60934155	60936625	Ctla2a	**1.09953**	6400
chr3	14766214	14808365	Car1	**0.23028**	1200
chr5	20950989	20956398	A630072M18Rik	**0.54331**	10989
chr7	125603429	125633570	Il21r	**0.58812**	6402
chr12	118231686	118301440	Sp4	**0.72958**	27451
chrX	98149750	98317147	Ar	**0.64525**	8080
chr14	45351186	45376420	Styx	**0.6539**	10359
chr19	10789339	10830058	Cd6	**0.53258**	6747
chr12	104263122	104269365	Serpina3i	**0.36038**	3300
chr11	53785489	53859256	Gm12216	**1.64068**	7892

chr2	153222370	153225441	Tspyl3	**0.75363**	9667
chr3	7572077	7613427	Il7	**0.8612**	8900
chr11	90476493	90638108	Stxbp4	**0.61599**	15453
chr18	37747188	37749605	Pcdhga10	**0.76037**	7677
chr7	141438515	141443355	Pidd1	**0.70188**	8499
chr6	82877866	82881853	2310069B03Rik	**0.39946**	3054
chr4	46039222	46114745	Tmod1	**0.75007**	4961
chr4	11704447	11714993	Gem	**0.92475**	8715
chr4	112385969	112433985	Skint9	**2.78313**	15944
chr14	121952331	121965193	Gpr183	**0.4557**	5598
chr19	59260878	59296012	Slc18a2	**0.63938**	10153
chr1	173896341	173913046	Mnda	**1.45154**	10843
chr13	67194506	67209298	Zfp455	**0.8301**	9400
chr12	76417599	76439491	Ppp1r36	**0.49629**	3011
chr8	85053160	85060460	A230103J11Rik	**0.62191**	3703
chr7	127442136	127449158	Zfp689	**0.77112**	11659
chr6	118427319	118455506	Zfp248	**0.57299**	8759
chr4	48279760	48431953	Invs	**0.67408**	16246
chr6	112473684	112489808	Oxtr	**0.4037**	7700
chr4	34711332	34730206	1700003M02Rik	**0.83013**	5948
chr5	134702596	134747254	Eln	**0.41919**	6618
chrX	140007673	140062568	Nup62cl	**0.65138**	3068
chr7	122107262	122132946	Palb2	**0.60725**	10013
chr6	107529726	107570228	Lrrn1	**0.56105**	8799
chr8	105413622	105464086	Lrrc36	**0.99047**	10331
chrX	10158216	10216795	Rpgr	**0.71677**	20205
chr11	11685925	11772926	Ikzf1	**0.74976**	17732
chr3	40846999	40875609	Gm2011	**0.31912**	1058
chr6	55170627	55174990	Inmt	**0.81048**	3462
chr19	43440436	43497213	Cnnm1	**0.25398**	5345
chr2	25291194	25319187	Grin1	**0.64339**	7232
chr1	170644532	170682789	Olfml2b	**0.52618**	6800
chr3	159495433	159529955	Depdc1a	**0.51271**	7114
chr3	95236920	95241109	Gm128	**0.47719**	2929
chr3	82892582	82903974	Lrat	**0.45664**	10199
chr14	30879257	30881610	Mustn1	**0.88098**	4337
chr6	40574898	40585805	Clec5a	**0.37297**	5949
chr8	25808513	25815982	Star	**0.6437**	10770
chr10	79716634	79736108	Hcn2	**0.94065**	12549
chr11	106374826	106377114	2310007L24Rik	**0.78798**	2596
chr7	44986900	44994601	Gm15545	**0.90329**	3436
chr17	69416447	69419192	C030034I22Rik	**0.52329**	6000
chr17	12888902	12910000	Pnldc1	**0.51316**	3619
chr2	19655806	19657897	Gm3230	**0.56324**	4920
chr1	86154780	86278284	Armc9	**0.4619**	10137
chr4	141404357	141415988	Clcnkb	**1.12551**	10997
chr12	105705982	105782447	Ak7	**0.75123**	9702

chr1	135434580	135585355	Nav1	**0.6745**	35957
chr7	122289125	122634401	Prkcb	**0.59505**	21937
chr8	39581700	39642678	Msr1	**0.31928**	5330
chr15	83353847	83367297	1700001L05Rik	**0.58522**	14669
chr16	55899888	55934848	Cep97	**0.37699**	12944
chr14	31014293	31014351	Snord69	**0.34097**	84
chr5	148871584	148928647	Katnal1	**0.43565**	11200
chrX	134756568	134761456	Armcx3	**0.42146**	5957
chr19	8802496	8804854	Zbtb3	**0.66806**	5777
chr14	78569609	78725089	Dgkh	**0.67965**	13145
chr6	48764464	48770851	Gimap3	**0.65963**	5908
chr11	102268823	102278061	Asb16	**0.52751**	3000
chr8	70629394	70631635	Gdf15	**0.35349**	1600
chr1	171121661	171126967	1700009P17Rik	**0.55588**	2400
chr2	25085720	25095205	Noxa1	**0.34608**	2341
chr19	56320090	56390038	Nrap	**0.59265**	13494
chr7	45725107	45725816	Spaca4	**1.20454**	3571
chr3	108212266	108226599	Sypl2	**0.4573**	6200
chr11	100262882	100269871	Krt42	**0.26504**	1712
chr7	100503020	100514815	Dnajb13	**0.32058**	1530
chr10	41538849	41587753	Ccdc162	**0.7352**	8439
chr1	162829561	162866548	Fmo1	**0.52336**	5083
chr9	50662753	50727984	Dixdc1	**0.58761**	14027
chr13	49608071	49624500	Ogn	**0.73101**	7753
chr18	89197427	89270327	Cd226	**0.70364**	7307
chr17	47695207	47704286	Frs3	**0.58969**	4858
chr2	105657862	105661343	Paupar	**0.91574**	13314
chr7	30589681	30592942	Zbtb32	**0.47547**	3524
chr1	136052901	136119822	Cacna1s	**0.39063**	10186
chr19	45027105	45045772	Pdzd7	**0.87885**	13596
chr7	12977848	12985716	Zfp446	**0.62982**	12923
chr1	86045863	86055456	2810459M11Rik	**0.40982**	5700
chr14	64104323	64113751	Prss52	**0.90576**	3869
chr8	122625136	122699109	Cbfa2t3	**0.31548**	10491
chr6	38123174	38254009	D630045J12Rik	**0.43847**	19610
chr1	175662421	175692632	Opn3	**0.36553**	2700
chr15	85017141	85022560	Upk3a	**1.22821**	5672
chr19	12585868	12596566	A330040F15Rik	**0.44845**	2071
chr3	96433788	96452306	BC107364	**0.46349**	2243
chr4	100095791	100442545	Ror1	**0.41252**	6101
chr17	34629686	34632260	Prrt1	**0.22675**	872
chr11	115116214	115133992	Cd300lf	**0.27265**	2146
chrX	99042581	99074728	Stard8	**0.6817**	14127
chr3	63295435	63383713	Mme	**1.12393**	29974
chr7	45324958	45325651	Rpl14-ps1	**0.80026**	2319
chr7	24227795	24237598	Zfp109	**0.70636**	8102
chr3	95217457	95226658	Gm16740	**0.86041**	1764

chr16	17797282	17808287	Scarf2	**0.54201**	7473
chr1	176834624	176836133	Hmga2-ps1	**0.682**	4300
chr5	135023572	135051099	Stx1a	**0.56618**	4896
chr17	40598594	40602617	Esp4	**1.07988**	2489
chr18	4634929	4682869	9430020K01Rik	**0.62621**	17600
chr11	24481909	24569951	4933430M04Rik	**0.24723**	767
chr5	81021593	81795730	Lphn3	**0.62741**	15226
chr1	171419033	171420352	Tstd1	**1.24744**	2870
chr8	20385782	20424814	2610005L07Rik	**0.55413**	9276
chr17	34613450	34615971	Egfl8	**0.63031**	2774
chr3	107926334	107931745	Gstm7	**0.75022**	4088
chr15	39076932	39087119	Cthrc1	**0.53495**	2600
chr4	62452632	62470895	Wdr31	**0.75556**	8067
chr19	42045851	42070939	Hoga1	**0.39988**	2730
chr3	129677575	129740041	Egf	**0.73842**	13107
chr1	162639150	162649694	Myoc	**1.2353**	10249
chr10	53278081	53379851	Cep85l	**0.21413**	2406
chr11	100545632	100572566	Ttc25	**0.37836**	4452
chr13	23570663	23571220	Hist1h2ae	**0.44422**	1035
chr12	40446053	40846488	Dock4	**0.74131**	24964
chr11	77089915	77188968	Efcab5	**0.60027**	11665
chr18	36528152	36556272	Slc4a9	**0.59545**	8543
chr18	38586265	38601268	Spry4	**0.37562**	7199
chr5	98254184	98277033	Fgf5	**0.35379**	3699
chr6	85587531	85702751	Alms1	**0.5325**	22199
chr9	21526177	21545331	AB124611	**0.47074**	2569
chr4	116807734	116819431	Mutyh	**0.41663**	3020
chr7	100643896	100662394	Plekhb1	**0.32223**	2995
chr8	69654556	69664453	Zfp964	**0.49399**	3589
chr8	70808449	70821423	Il12rb1	**0.48065**	5764
chr12	50341232	50649223	Prkd1	**0.66921**	10554
chr13	83504034	83667079	Mef2c	**0.49828**	13659
chr17	6308315	6317474	Dynlt1a	**0.48349**	6004
chr11	49794155	49838620	Gfpt2	**0.62006**	7731
chr8	104628066	104631321	Rrad	**0.49738**	3271
chr16	10835059	10843235	Rmi2	**0.56994**	8898
chr4	120588745	120609672	Gm8439	**1.02198**	1788
chr7	79792241	79793590	Mesp1	**0.54236**	2439
chr5	136218149	136244903	Sh2b2	**0.42029**	4998
chr1	75220095	75232093	A630095N17Rik	**0.19328**	619
chr5	123930689	123969895	Ccdc62	**0.64925**	10627
chr11	116336345	116413032	Rnf157	**0.50635**	9842
chr11	5900821	5950081	Gck	**0.84946**	10279
chr11	46054502	46147347	Adam19	**0.44606**	11989
chr17	67842708	68004108	Arhgap28	**0.42689**	9474
chr10	127667123	127668851	1700012D01Rik	**0.2805**	814
chr6	142587862	142702274	Abcc9	**0.97351**	29999

chr15	77729072	77736382	Apol9b	**1.982**	13200
chr3	95734911	95734973	Mir7014	**2.13261**	561
chrX	136822746	136838582	Plp1	**0.61952**	8984
chr10	41490439	41514288	Ppil6	**0.43847**	1959
chr8	117095865	117133720	Bco1	**0.42261**	4468
chr15	76704243	76710559	Recql4	**0.52107**	7615
chr10	119454034	120087260	Grip1	**0.58702**	11552
chr11	29744415	30026033	Eml6	**0.62997**	17666
chr19	58235581	58455398	Gfra1	**0.53431**	10372
chr3	95004168	95004239	Mir7013	**1.19746**	360
chr9	98562460	98563611	4930579K19Rik	**0.33263**	1600
chr15	80287238	80398292	Cacna1i	**0.68272**	27920
chr5	124250959	124327972	Mphosph9	**0.61955**	20160
chr6	116650684	116652847	8430408G22Rik	**0.92742**	5100
chr17	71252176	71310965	Emilin2	**0.27606**	4507
chr4	98754892	98817537	Kank4	**0.29416**	5897
chr9	71215789	71296243	Aldh1a2	**0.35892**	3393
chr8	84208518	84208592	Mir23a	**0.6131**	192
chr11	94755136	94761182	Gm11545	**0.70487**	7926
chr11	86058136	86201193	Brip1	**0.55108**	15953
chrX	150589921	150643878	Pfkfb1	**0.47458**	3446
chr2	14070333	14073934	Stamos	**0.6595**	2203
chr8	105566695	105579845	Agrp	**0.49896**	1798
chr5	86071828	86103993	Stap1	**0.69191**	3282
chr13	56173703	56178885	Tifab	**0.53087**	7612
chr16	18776847	18778262	Cldn5	**0.62579**	3700
chr18	37707229	37709652	Pcdhga6	**0.47651**	4823
chr5	75152291	75198204	Pdgfra	**0.36768**	10297
chr5	34574151	34574213	Mir7036b	**0.67286**	177
chr10	127501717	127508815	Stac3	**0.41142**	3075
chr4	126340678	126429542	Ago3	**0.40932**	13049
chr4	62559847	62703019	Rgs3	**0.5105**	15565
chr17	73493751	73710451	Galnt14	**0.59111**	6089
chr16	36603869	36666077	Cd86	**0.50662**	5371
chr6	88547722	88627448	Kbtbd12	**0.20958**	1787
chr11	68432125	68497846	Pik3r5	**0.46504**	8472
chr9	32422204	32541452	Fli1	**0.48042**	6369
chr9	62419492	62537044	Coro2b	**0.49033**	7391
chr15	80078503	80078579	Snord83b	**0.26437**	85
chr6	34780432	34859459	Agbl3	**0.37869**	8847
chr6	8507059	8509161	A430035B10Rik	**0.44496**	3597
chr11	70018605	70045531	Dlg4	**0.57814**	8029
chr17	21816876	21845759	Zfp820	**0.52332**	8074
chr9	51839493	51875885	Arhgap20os	**0.25145**	1388
chr3	94693573	94704406	Selenbp2	**0.44719**	3165
chr11	116672505	116672582	Snord1c	**0.19651**	64
chr17	8236043	8257129	Ccr6	**0.35313**	3067

chr15	77403789	77411080	Apol9a	**2.37725**	15614
chr19	34067358	34084918	Lipn	**0.81303**	5099
chr6	48739047	48743795	Gimap1	**0.57573**	3618
chr9	72925650	72946015	Pygo1	**0.40336**	2939
chr1	75198235	75210778	Glb1l	**0.75185**	8674
chr17	37193892	37196101	Ubd	**1.07349**	4200
chr1	176733653	176807124	Cep170	**0.46146**	13353
chr2	102550021	102643040	Pamr1	**0.42368**	5049
chr4	112081470	112168076	Skint4	**0.86695**	14469
chr3	28781311	28798846	Eif5a2	**0.53238**	11097
chr10	12916646	12923127	B230208H11Rik	**0.44819**	2212
chr3	90064425	90068347	1700094D03Rik	**0.70226**	8703
chr3	129269177	129332749	Enpep	**0.45844**	8055
chr10	81497745	81500137	S1pr4	**0.80064**	8000
chr2	176798600	176808704	Gm14295	**0.58439**	3199
chr9	54950257	54950954	AY074887	**0.31431**	857
chr7	30036359	30051396	Zfp14	**0.47651**	6946
chr17	34972703	34979228	Hspa1l	**0.75646**	7628
chr7	43437138	43438246	Nkg7	**1.91475**	6500
chr2	32646595	32682608	Eng	**0.52387**	7680
chr3	36475937	36482299	1810062G17Rik	**0.59465**	2262
chr8	123840844	123860209	Ccsap	**0.41698**	4654
chr8	116505015	116515915	Dynlrb2	**1.01516**	2183
chr14	34194441	34201633	Gprin2	**0.45176**	3020
chr10	127048246	127053006	Cyp27b1	**0.30369**	3070
chr2	44983512	45113098	Zeb2	**0.41013**	15238
chr6	3962595	3968354	Tfpi2	**0.18708**	1178
chr14	55757842	55758424	Cideb	**0.46166**	613
chr4	106483458	106492243	Bsnd	**0.77186**	8747
chr2	165503897	165519917	Slc2a10	**0.48114**	6899
chr19	42725858	42752775	Pyroxd2	**0.66565**	8669
chr2	166793767	166799492	Trp53rk	**0.50471**	9300
chr5	108132914	108232949	Ccdc18	**0.46109**	8966
chr5	138165321	138165404	Mir25	**0.40485**	142
chr1	150100124	150108012	Ptgs2	**0.37157**	6431
chr9	50617465	50625000	Pih1d2	**0.47361**	2205
chr4	9770585	9823411	4930412C18Rik	**0.56509**	9365
chr4	43482083	43483709	Sit1	**0.51627**	2589
chr6	13835074	13839848	Gpr85	**0.14462**	1782
chr15	56689944	56693993	Has2os	**0.67421**	853
chr1	184033032	184033998	1700056E22Rik	**0.91438**	3692
chr15	13034200	13173639	Cdh6	**0.41474**	4558
chr3	116110020	116129688	Vcam1	**0.49329**	6999
chr1	173920403	173942492	Ifi203	**1.49009**	23581
chr2	144265982	144266202	Snord17	**0.26767**	247
chr10	23785754	23785821	Snord100	**1.47569**	419
chr10	39134023	39150970	Tube1	**0.73786**	8753

chr7	6383318	6396637	Zfp28	**0.43323**	7500
chr2	91035627	91045729	Rapsn	**0.4265**	2885
chr2	128298663	128429351	Gm14005	**1.0041**	18825
chr6	129591811	129598775	Klrd1	**0.63855**	2309
chr14	50956141	50964749	Pnp2	**0.35248**	1800
chr12	11090202	11150842	Kcns3	**0.25053**	3200
chr14	54369670	54417679	Slc7a7	**0.95499**	8992
chr3	107467548	107518018	Slc6a17	**0.46753**	12332
chr4	155761192	155763560	Atad3aos	**0.51708**	1466
chr9	106892825	107231909	Dock3	**0.29461**	11149
chr10	7832470	7870397	Zc3h12d	**0.31597**	5400
chr2	120031502	120031574	Jmjd7-pla2g4b	**0.19684**	60
chr11	94501347	94521502	Mycbpap	**0.80084**	9791
chr6	60731573	60829855	Snca	**0.33034**	2029
chr9	67830532	67832330	C2cd4a	**0.47526**	2683
chr4	155469114	155470858	Tmem52	**0.52574**	2125
chr19	27761721	28011166	Rfx3	**0.54726**	21345
chr8	93056727	93080017	Ces1b	**0.53127**	4359
chr11	94962777	94976327	Sgca	**0.37288**	2706
chr4	140906360	140952586	Padi2	**0.61071**	11753
chr15	100674422	100687920	Cela1	**0.31463**	1453
chr14	31139125	31168641	Stab1	**0.51633**	17004
chr4	73939371	73950846	2310002L09Rik	**0.50972**	4593
chr11	79481723	79484031	AU040972	**0.62295**	2700
chr2	126593660	126618678	Hdc	**0.34821**	3488
chr17	13487021	13554094	2700054A10Rik	**0.88542**	16075
chr11	78503513	78505081	Sebox	**0.70822**	3800
chr11	58379032	58390541	Lypd8	**1.12397**	5200
chr7	30240138	30280421	Wdr62	**0.39665**	7857
chr1	80501068	80758553	Dock10	**0.52804**	16651
chr13	32881397	32898140	Serpinb1c	**0.38942**	2600
chr7	142650768	142661035	Igf2	**0.54681**	9448
chr6	61175604	61180810	A730020E08Rik	**0.34201**	2372
chr1	171632403	171653037	Slamf7	**0.60153**	9989
chr10	58497937	58576244	Ccdc138	**0.5829**	6002
chr5	15934691	16374511	Cacna2d1	**0.4591**	14364
chr2	181384250	181387596	Slc2a4rg-ps	**0.71551**	8921
chr13	38006052	38036937	Cage1	**0.52021**	6208
chr17	7170115	7303316	Rps6ka2	**0.40386**	9118
chr4	48663514	48673492	Murc	**0.53276**	4547
chr14	70372480	70429094	Piwil2	**0.27171**	5574
chr11	9016054	9039591	Sun3	**0.81891**	4028
chr3	127553489	127618023	Zgrf1	**0.35078**	10323
chr5	123876736	123880020	Hcar1	**0.83541**	11459
chr15	74732252	74734313	Lypd2	**0.34074**	700
chr16	92058322	92087473	Slc5a3	**0.40225**	18086
chr6	48701583	48708244	Gimap6	**0.99362**	6688

chr10	81606308	81609836	BC025920	**0.41955**	3311
chr2	177464742	177479194	Gm14420	**0.52884**	10299
chr4	107802259	107876840	Lrp8	**0.3918**	9765
chr2	150218099	150244874	Zfp937	**0.51563**	14899
chr11	120361534	120368173	Fscn2	**0.93831**	6731
chrX	105040854	105070124	5530601H04Rik	**1.14971**	17916
chr5	87925633	87932264	Csn3	**0.29288**	1953
chr5	143357338	143391798	Grid2ip	**0.72375**	12762
chr2	92974906	93046144	Prdm11	**0.60027**	4687
chr11	114982446	114989886	Cd300ld	**0.35231**	3585
chr13	59769966	59773680	Etohd2	**0.64098**	5765
chr9	77366412	77399416	5730403I07Rik	**0.32758**	2778
chr7	30603092	30612734	Upk1a	**0.25469**	1391
chr5	129654595	129670088	Zfp11	**0.59928**	9799
chr6	28828126	28831747	Lrrc4	**0.48269**	7300
chr1	135108498	135132575	Ptprv	**0.33096**	8402
chr13	33832345	33843408	Serpinb6e	**0.30457**	1900
chr13	67096613	67114028	Rslcan18	**0.44653**	5215
chr6	59352461	59426290	Gprin3	**0.36472**	4721
chr10	4612046	5003761	Esr1	**0.33659**	6070
chr2	27886425	28039510	Col5a1	**0.35009**	12282
chr11	113203315	113209669	4732490B19Rik	**0.56808**	5802
chr6	60944317	60989378	Mmrn1	**0.36161**	7000
chr5	137821952	137836278	Pilra	**0.61454**	5440
chrX	153238045	153396134	Klf8	**0.52896**	9844
chr7	30729779	30743681	Gapdhs	**0.49494**	3319
chr15	58314573	58324169	Klhl38	**0.52294**	4830
chr15	10177238	10349180	Prlr	**0.32377**	18136
chr7	43527456	43533171	Cd33	**0.67469**	7243
chr2	67446002	67526604	Xirp2	**0.53423**	26699
chr1	136411916	136415519	9230116N13Rik	**0.66267**	5379
chr11	5106266	5152222	Emid1	**0.35805**	2857
chr15	102523839	102524621	Npff	**0.60839**	1133
chr8	90247112	90348252	Tox3	**0.48738**	6498
chr13	49230831	49248706	Susd3	**0.50554**	3027
chr10	116950562	116963279	4933412E12Rik	**0.72584**	5225
chr3	100922493	100936925	Trim45	**0.60688**	14700
chr5	37242058	37292163	Crmp1	**0.49606**	7117
chr15	99670718	99701128	Asic1	**0.64777**	13624
chr13	114835912	114932041	Itga2	**0.49306**	8684
chr11	76217613	76218665	Dbil5	**0.23783**	571
chr1	60909025	60915832	Ctla4	**0.22301**	1800
chr15	98567324	98570864	9330020H09Rik	**0.50089**	7065
chr10	76253836	76261319	S100b	**0.80744**	5600
chr15	5118421	5118480	Snord72	**1.24136**	311
chr6	99692679	99693818	Gpr27	**0.32752**	1559
chr6	124760055	124769509	Eno2	**0.42045**	4619

chr19	39061006	39093948	Cyp2c65	**0.81435**	6600
chr16	10480072	10527564	Ciita	**0.61945**	14725
chr17	13108617	13131791	Unc93a	**0.1989**	2195
chr19	47178820	47259441	Neurl1a	**0.40597**	7479
chr2	52136647	52338798	Neb	**0.39599**	37090
chr18	20684599	20746404	B4galt6	**0.35041**	8498
chr1	161017756	161034259	Zbtb37	**0.46862**	7598
chr11	83293430	83294644	AI450353	**0.39867**	1658
chr1	71027535	71102972	Bard1	**0.46158**	10500
chr5	107437997	107491596	Btbd8	**0.27455**	1300
chr7	29859979	29877302	Zfp420	**0.67624**	9414
chr10	60181528	60219260	Chst3	**0.51699**	13194
chr3	151730923	151749959	Ifi44	**2.52331**	30639
chr4	16164110	16266225	A530072M11Rik	**0.502**	3882
chr8	21839926	21843481	Defb2	**0.15756**	200
chr4	115518287	115533649	Cyp4a10	**0.51274**	4466
chr13	67779693	67789080	Zfp493	**0.47569**	6499
chr1	12692430	12860372	Sulf1	**0.35407**	7191
chr6	122847140	122856157	C3ar1	**0.4679**	8399
chr4	141615136	141615604	AI507597	**0.33243**	651
chr8	71406012	71409904	Ankle1	**0.68649**	6117
chr13	46501903	46650281	Cap2	**0.47708**	7287
chr6	83152710	83156379	Wdr54	**0.66441**	3515
chr9	66065176	66069731	Snx22	**0.41861**	3557
chr2	122280437	122298165	Duox2	**0.42213**	8027
chr14	116925297	117979529	Gpc6	**0.38082**	10781
chr17	34728381	34743897	C4b	**0.73291**	16504
chrX	107089335	107104970	P2ry10	**0.64367**	7598
chr3	51276761	51278407	4930577N17Rik	**0.67387**	3762
chr16	3847223	3858880	Zfp174	**0.36274**	9000
chr11	107703218	107716476	Cacng1	**0.47779**	2400
chr11	87377607	87404954	Rad51c	**0.37991**	5257
chr7	118872821	118972039	Iqck	**0.4739**	2426
chr13	48536012	48536114	Mirlet7d	**0.34645**	149
chr16	23110770	23110933	Snora81	**0.41327**	283
chr6	85910154	85915677	Cml1	**0.28924**	1221
chr13	55369732	55384687	Rgs14	**0.50419**	4960
chr14	70774381	70778494	Dok2	**0.6518**	4673
chr18	4353547	4368945	4833419F23Rik	**0.43494**	1600
chr15	57243771	57477625	Slc22a22	**0.34386**	3400
chr7	4922251	4925006	Nat14	**0.65325**	4397
chrX	160784308	160994681	Cdkl5	**0.68631**	9302
chr1	172581377	172590568	Slamf8	**0.47112**	4013
chr13	105147494	105293014	Rnf180	**0.35199**	5563
chr6	115810729	115838412	Efcab12	**0.29704**	3164
chr19	34550694	34576534	Ifit2	**0.73503**	12120
chr4	11966574	11994295	1700123M08Rik	**0.68994**	3071

chr7	46097123	46100764	Kcnj11	**0.45456**	5062
chr10	57784923	57788450	Fabp7	**0.59684**	1899
chr13	23698084	23698458	Hist1h4c	**0.22289**	349
chr19	25672411	25678991	Dmrt2	**0.97344**	9499
chr11	78920859	78960124	Nos2	**0.16098**	2682
chr9	110243783	110262576	Cspg5	**0.2351**	3800
chr5	105270702	105293699	Gbp6	**0.80459**	14500
chr7	104470014	104507849	Trim30d	**0.95554**	14994
chr11	75599646	75600231	Gm12338	**0.19045**	466
chr6	113424634	113435760	Cidec	**0.26455**	1900
chr11	104231436	104332089	Mapt	**0.44569**	10012
chr2	173579320	173659539	Ppp4r1l-ps	**0.49142**	9164
chr9	100552188	100571085	Slc35g2	**0.48276**	3195
chr9	89909775	90026979	Rasgrf1	**0.58538**	11559
chrX	112600526	112635062	Zfp711	**0.57395**	10377
chr4	42754525	42756518	Ccl19	**0.49894**	1500
chr19	54045182	54048982	Adra2a	**0.68678**	10900
chr13	21750145	21750553	Hist1h4k	**0.23422**	400
chr12	101746565	101819119	Fbln5	**0.47947**	11798
chr6	48628167	48633688	AI854703	**0.4072**	6075
chr8	35582503	35584612	Gm16793	**0.57261**	3694
chr14	57798189	57798217	Sap18	**0.60286**	73
chr16	55839953	55895279	Nxpe3	**0.4417**	11859
chr11	104132882	104175518	Crhr1	**0.37906**	3843
chr6	88198664	88207032	Gata2	**0.38401**	5200
chr11	85235166	85238304	D630032N06Rik	**0.76151**	2035
chr17	12741311	12859884	Airn	**0.44943**	4106
chr1	21398403	21961942	Kcnq5	**0.50437**	14700
chrX	20961676	20987349	A230072C01Rik	**0.38118**	3379
chr13	21467047	21468501	Nkapl	**0.3134**	1904
chr4	145829940	145831978	Znf41-ps	**0.30538**	2600
chr15	66670770	66850720	Tg	**0.6525**	22984
chr1	87386284	87394729	Kcnj13	**0.80831**	4553
chr11	120186650	120189856	2810410L24Rik	**0.62111**	4427
chr10	80852825	80855209	Lsm7	**0.48461**	947
chr13	32700827	32781779	Mylk4	**0.36936**	8700
chr5	52363804	52369738	Sod3	**0.78464**	6700
chrX	13632769	13640858	Gpr34	**0.72441**	5741
chr4	95959711	95967655	9530080O11Rik	**0.22745**	1473
chr11	76998597	77032343	Slc6a4	**0.47951**	5500
chr15	82221744	82224336	Tnfrsf13c	**0.55023**	4379
chr6	122727809	122742745	Slc2a3	**0.3024**	4999
chr7	45183676	45204892	Ccdc155	**0.33984**	3136
chr7	73313806	73375519	A730056A06Rik	**0.19194**	1986
chr2	10153543	10256529	Itih5	**0.53946**	17858
chr5	139352617	139357033	Cyp2w1	**0.52508**	3315
chrX	81070644	81097875	Tmem47	**0.32151**	5480

chr11	80477046	80481179	Cdk5r1	**0.39967**	6899
chr11	70166623	70170836	Clec10a	**0.2872**	1800
chr6	48684578	48692062	Gimap4	**0.87988**	3707
chr8	57774052	58911627	Galntl6	**0.43211**	9182
chr9	36890979	37147322	Pknox2	**0.56668**	8400
chr4	43875530	43944806	Reck	**0.30724**	5687
chr16	17139064	17144423	Ccdc116	**0.67068**	10846
chr4	48051248	48083352	Nr4a3	**0.59975**	4718
chr16	88758847	88759789	2310034C09Rik	**0.15238**	600
chr13	75089987	75132498	Pcsk1	**0.34591**	3634
chr2	34874436	34892133	Cutal	**0.5778**	5578
chr7	28351540	28351633	AF357399	**0.24459**	96
chrX	95022507	95026682	Spin4	**0.49877**	8697
chr6	47943175	47954549	Zfp783	**0.32135**	5665
chr4	152390740	152477549	Kcnab2	**0.56719**	8957
chr2	85753363	85754306	Olfr1010	**0.23847**	932
chr15	73512560	73572242	Dennd3	**0.54718**	12107
chr9	15312611	15312669	Mir7650	**0.13395**	33
chr11	62603460	62603521	Snord49a	**0.45581**	118
chr11	103697724	103725573	C130046K22Rik	**0.4227**	6121
chr5	150522621	150570146	Brca2	**0.39261**	18251
chrX	12134454	12137470	2900008C10Rik	**0.33643**	1829
chr8	72204335	72212837	Cib3	**0.4078**	1100
chr4	111919555	111950356	Skint8	**0.54438**	2905
chr2	178066878	178078425	Zfp931	**0.38933**	2892
chr18	25477620	25753983	Celf4	**0.65484**	15148
chr9	109830154	109831431	3000002C10Rik	**0.26235**	1400
chr4	41390748	41464848	Kif24	**0.39265**	9178
chr4	132724904	132732546	Xkr8	**0.67496**	11944
chr18	52767811	52915931	Sncaip	**0.33213**	5525
chrX	160390690	160498076	Gpr64	**0.55133**	10852
chr10	86048746	86498896	Syn3	**0.61101**	30202
chr7	81534354	81566981	Fsd2	**0.33759**	4195
chr2	32587078	32599696	St6galnac4	**0.38898**	6487
chr6	72206177	72235577	Atoh8	**0.42712**	4200
chr7	16246743	16259540	C5ar1	**0.25098**	2600
chr3	154576520	154594534	Tyw3	**0.47518**	8250
chr14	67745229	67749436	Gnrh1	**0.45054**	982
chr8	94923694	94943290	Gpr114	**0.51075**	6014
chr2	60411525	60412574	Gm13580	**0.17076**	400
chr10	39621411	39732007	E130307A14Rik	**0.62953**	4374
chr7	43651070	43660161	Siglece	**0.43741**	3377
chr1	134037515	134048277	Fmod	**0.45234**	5400
chr9	44793779	44799216	Tmem25	**0.7376**	7250
chr14	29996168	30008896	Il17rb	**0.52512**	4519
chr16	30008667	30021430	4632428C04Rik	**0.40313**	4087
chr8	26814597	26824423	2310008N11Rik	**1.38684**	3266

chr1	193178164	193201546	Traf3ip3	**0.40014**	3116
chr2	167298445	167349178	B4galt5	**0.4955**	8698
chr9	51213690	51240079	Pou2af1	**0.64596**	6921
chr4	121316316	121324917	Gm12888	**0.40557**	2000
chr1	131527989	131539872	Fam72a	**0.48365**	4251
chr7	100285520	100319699	P4ha3	**0.22975**	2265
chr13	16014475	16027211	Inhba	**0.37889**	2419
chr9	7692111	7699416	Mmp7	**0.71029**	2604
chr9	48362041	48400025	Nxpe4	**0.40456**	5360
chr10	79860475	79874634	Lppr3	**0.45771**	7830
chr15	62037987	62250975	Pvt1	**0.48927**	6280
chr10	111298679	111301736	Bbs10	**0.46976**	5400
chr11	4064853	4078990	Sec14l3	**0.23626**	3875
chr4	148495280	148500462	Angptl7	**0.58061**	4999
chr7	45405960	45411382	Kcna7	**0.31167**	4547
chr1	85717083	85736606	A630001G21Rik	**0.66837**	5403
chr7	27153714	27158564	Cyp2t4	**0.40153**	2535
chr3	57425410	57441675	Tm4sf4	**0.41114**	2400
chr14	54631992	54641364	Cdh24	**0.31122**	3545
chrX	73639441	73643514	Dusp9	**0.33209**	3744
chr16	46035657	46120248	Cd96	**0.79545**	7244
chr6	71707681	71810705	Reep1	**0.32781**	5200
chr7	44384126	44400030	Syt3	**0.66066**	6891
chr15	85703773	85707524	Mirlet7bhg	**0.20583**	1125
chr8	71597646	71608149	Fam129c	**0.45197**	4684
chr10	62659422	62726099	Stox1	**0.43945**	5692
chr11	62603086	62603148	Snord49b	**1.14424**	301
chr8	105312340	105326276	Lrrc29	**0.51199**	4111
chr7	111117673	111122675	1700012D14Rik	**0.45005**	1182
chr7	140809677	140822178	Zfp941	**0.25107**	4098
chr3	95898801	95904639	Car14	**0.29383**	1487
chr4	119205055	119218217	4930538K18Rik	**0.44634**	2803
chr18	60573717	60591716	Myoz3	**0.32776**	4649
chr7	4119533	4136241	Ttyh1	**0.3265**	5032
chr9	58156264	58159221	Islr	**0.42712**	4200
chr18	35713089	35721491	Ecscr	**0.24617**	1142
chr4	134561690	134704290	Man1c1	**0.58905**	11597
chr5	137293780	137293876	Mir8116	**0.4296**	174
chr13	100144063	100202122	Naip2	**0.4587**	9295
chr2	84936646	84958509	Slc43a3	**0.5416**	5882
chr1	171150713	171161123	Mpz	**0.31219**	2598
chr8	13037308	13056676	F10	**0.25354**	2851
chr2	33133419	33371494	Ralgps1	**0.50055**	13184
chr9	54365158	54501626	Dmxl2	**0.36497**	16175
chr5	136038496	136044993	Upk3b	**0.61731**	5248
chr13	21421275	21441053	Pgbd1	**0.47216**	7058
chr11	48945352	48946149	Psme2b	**0.48889**	1629

chr7	4007073	4063204	Lair1	**0.51942**	7617
chr9	54025606	54068411	Tnfaip8l3	**0.52742**	4900
chr11	101172998	101175443	Ccr10	**0.38666**	2785
chr12	91045848	91056635	5430427M07Rik	**0.90758**	3873
chr11	119390472	119390561	Mir1932	**0.19159**	72
chr13	66905415	66909166	Gm10767	**0.38229**	2637
chr13	119487257	119488384	3110070M22Rik	**0.3399**	1371
chrX	134086823	134111854	Nox1	**0.56509**	5099
chr7	110850607	110862953	Lyve1	**0.29277**	3187
chr10	60106257	60133913	Spock2	**0.27044**	4421
chr3	138526421	138526485	Mir1956	**0.36845**	100
chr3	108739658	108782309	Aknad1	**0.58295**	6336
chrX	17132049	17319368	Efhc2	**0.25318**	2700
chr15	97244074	97247287	Amigo2	**0.54198**	6366
chr1	44551671	44796836	Gulp1	**0.39304**	4884
chr6	65778962	65936377	Prdm5	**0.61453**	5599
chr7	44496588	44501134	Fam71e1	**0.33991**	1205
chr6	122952515	122969878	Clec4a3	**0.65275**	3625
chr5	113226909	113239263	Tmem211	**0.79726**	6082
chr5	137612505	137625078	Fbxo24	**0.75464**	6803
chr18	51117898	51304641	Prr16	**0.33608**	3121
chr4	117155771	117155848	Snord55	**0.86892**	283
chr1	58029969	58106410	Aox1	**0.61917**	11329
chr3	3508030	3659800	Hnf4g	**0.68181**	11900
chr13	30749258	30766927	Irf4	**0.42257**	8263
chr13	95477301	95478655	S100z	**0.15327**	192
chr16	19946492	19983049	Klhl6	**0.60744**	6100
chr7	45127383	45127463	Snord32a	**0.19218**	65
chr4	138967112	138968366	Rnf186	**0.36429**	1909
chr17	17064103	17089631	Zfp960	**0.57491**	3608
chr4	106442334	106464325	Pcsk9	**0.21092**	3093
chr11	82952102	82964850	Slfn5	**0.61578**	15201
chr1	17601901	17630939	Pi15	**0.47718**	13794
chr8	105860634	105860659	Nutf2	**1.36326**	148
chr7	29784790	29794540	Zfp30	**0.53058**	5769
chr3	59096448	59101821	Gpr171	**0.50159**	4660
chr15	66526212	66561046	Tmem71	**0.50472**	6177
chr10	79851377	79854971	E130317F20Rik	**0.31877**	4399
chr9	107581296	107587359	Hyal3	**0.48723**	3723
chr1	20951626	20990841	Efhc1	**0.59374**	5474
chr10	22158609	22173250	Raet1a	**0.59011**	685
chr15	84167816	84189521	Pnpla3	**0.38147**	7405
chr3	32583528	32616535	Gnb4	**0.36564**	4200
chr15	35307010	35328535	BC048602	**0.67457**	2059
chr3	9250567	9285332	Zbtb10	**0.40834**	12699
chr1	132509425	132542940	Cntn2	**0.13307**	5298
chr7	102096879	102100229	Art5	**0.16767**	1200

chr4	152115934	152120119	Tnfrsf25	**0.44865**	3565
chr17	7926000	7934897	Tagap	**0.44511**	5717
chr14	59380833	59393512	Phf11c	**0.31224**	2073
chr11	83191330	83215154	Slfn3	**0.52527**	3983
chr9	37528089	37538319	Esam	**0.2971**	2300
chr3	89753456	89764632	Chrnb2	**0.31629**	7100
chr6	125552948	125686679	Vwf	**0.33617**	12400
chr13	55523235	55528538	Dok3	**0.62971**	4065
chr18	80294544	80364254	Kcng2	**0.32329**	3800
chr9	21165714	21213248	Pde4a	**0.42667**	9134
chr18	37955559	37957155	Rell2	**0.2557**	773
chr2	84500748	84506873	Gm13710	**0.28854**	1000
chr13	113209659	113218104	Esm1	**0.40997**	3600
chr1	36562696	36683183	Fam178b	**0.37168**	3987
chr7	89632818	89854359	Me3	**0.83077**	15159
chr3	106481986	106485913	2010016I18Rik	**0.65926**	3240
chrX	113297510	113836386	Dach2	**0.42863**	13849
chr2	25234476	25236787	Rnf224	**0.49048**	4139
chr15	39745930	39760938	Dcstamp	**0.26817**	2300
chr13	67405713	67421418	Zfp459	**0.40153**	5583
chr19	47736857	47837361	Cfap43	**0.59851**	14862
chr19	5388704	5390069	D330050I16Rik	**0.33574**	1915
chr9	119937606	119967793	Ttc21a	**0.21939**	3831
chr4	124986430	125009099	Rspo1	**0.1567**	1200
chr10	40033535	40142254	Slc16a10	**0.40581**	11109
chr14	54643049	54643110	Mir6948	**0.43263**	112
chr2	125627447	125724148	Shc4	**0.29753**	5988
chr5	92321331	92328079	Cxcl9	**0.29679**	3600
chr14	46882965	47105817	Samd4	**0.31132**	9648
chr3	14863538	14872373	Car3	**1.35064**	8623
chr8	70152778	70167488	Mef2b	**0.30338**	1700
chr18	11821088	11839273	Gm6277	**0.30781**	1694
chr11	117611247	117613417	2900041M22Rik	**0.49965**	2804
chr6	118461950	118479273	Zfp9	**0.13273**	2173
chr4	148160668	148166417	Fbxo2	**0.36875**	1900
chr11	50236472	50238471	Ltc4s	**0.89443**	2196
chr15	101810689	101818169	Krt2	**0.14848**	1620
chr5	135406519	135545122	Hip1	**0.43693**	14329
chr13	62603015	62624182	6720489N17Rik	**0.42651**	4698
chr10	82629838	82650432	Tdg	**0.241**	160
chr15	76266787	76269839	Gm10872	**0.179**	583
chr6	54577605	54593128	Fkbp14	**0.25362**	2800
chr4	62189537	62208546	Zfp37	**0.26989**	4191
chr9	114368324	114377238	4930520O04Rik	**0.27174**	1424
chr17	10403012	10840191	Pacrg	**0.44187**	2500
chr2	176708353	176721813	Gm14305	**0.50188**	3397
chr7	16875317	16887301	Dact3	**0.18631**	2200

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chr6	125232622	125237027	Cd27	**0.43935**	2871
chr16	43648861	43664184	Tigit	**0.36707**	1476
chr1	132880355	132940005	Lrrn2	**0.2863**	4000
chr11	112663927	112711356	BC006965	**0.44009**	3587
chr10	109683439	110000219	Nav3	**0.18468**	6001
chr1	164154326	164220274	F5	**0.21696**	6472
chr2	32308471	32353329	Dnm1	**0.25209**	4341
chr8	105984946	105996423	Dpep2	**0.30644**	2600
chr17	35236596	35238768	Atp6v1g2	**0.28835**	1800
chr14	52110903	52160418	Rpgrip1	**0.71814**	12870
chrX	95639194	95658509	Zc4h2	**0.36516**	3359
chrX	93654863	93749948	Pcyt1b	**0.31602**	6900
chr2	150407137	150451494	Zfp442	**0.34322**	3964
chr6	129350244	129365303	Clec12a	**0.35568**	3300
chr5	109933563	109941710	Gm15446	**0.27393**	1774
chr11	50811085	50827731	Zfp354c	**0.31678**	7099
chr5	105115767	105139586	Gbp4	**1.17239**	22215
chr5	115845656	116006341	Cit	**0.36823**	10603
chr14	28904943	29721864	Cacna2d3	**0.27825**	4293
chr14	65266701	65321502	Fbxo16	**0.2923**	1500
chr11	46325148	46389515	Itk	**0.42803**	8316
chr2	62500936	62574021	Fap	**0.5083**	5739
chrX	135579787	135593855	Nxf7	**0.21841**	1699
chr13	62367716	62383174	Gm3604	**0.47135**	5745
chr15	99497005	99528165	Faim2	**0.34114**	6598
chr2	25327450	25332571	AA543186	**0.42758**	3028
chr10	22173521	22183914	Raet1e	**0.66155**	1569
chr9	121784016	121792507	Hhatl	**0.35005**	2916
chr2	14229414	14332023	Mrc1	**0.39202**	8705
chr4	128615446	128618619	Tlr12	**0.53572**	7100
chr2	113748675	113758648	Grem1	**0.51157**	3501
chr15	82996736	83033397	Nfam1	**0.42302**	7468
chr11	59175564	59183213	Gjc2	**0.2702**	2543
chr5	135960223	135974476	Ssc4d	**0.42148**	4794
chr1	132191436	132257382	Lemd1	**0.50018**	2053
chrX	142304753	142306198	Kcne1l	**0.41389**	2499
chr6	112459505	112472872	Cav3	**0.37259**	1800
chr7	81529916	81529988	Mir1839	**0.24933**	76
chr5	107497745	107512556	A830010M20Rik	**0.50564**	14264
chr9	120964454	121277172	Ulk4	**0.35671**	6074
chr1	173723428	173741809	AI607873	**0.49198**	7155
chr2	150667494	150668932	E130215H24Rik	**0.53115**	1914
chr3	129808575	129822505	Rrh	**0.5307**	3089
chr16	33062521	33125659	Lmln	**0.3634**	6238
chr11	80154162	80178827	Adap2	**0.28838**	1923
chr4	47208012	47313165	Col15a1	**0.23819**	5290

chr10	128194635	128209909	Gls2	**0.34283**	3427
chr4	132309465	132309600	Snora16a	**1.03721**	589
chr11	120826542	120932872	Ccdc57	**0.54652**	7736
chr7	119690026	119714566	Acsm4	**0.17464**	1570
chr7	45123026	45123111	Snord35b	**0.63772**	229
chr3	100993529	101029495	Cd101	**0.41305**	5638
chr13	36867178	37050244	F13a1	**0.31078**	5096
chr11	77463913	77469501	Coro6	**0.26023**	1669
chr14	69609476	69695834	Loxl2	**0.34713**	7498
chr2	150310937	150362765	3300002I08Rik	**0.4435**	1200
chr11	6172508	6173331	Rps15a-ps6	**0.61035**	2100
chr8	123504718	123515455	Dbndd1	**0.29344**	3231
chr1	75479532	75485693	Tmem198	**0.47164**	4303
chr12	103980243	103989957	Serpina11	**0.27214**	1692
chr6	90604880	90646412	Slc41a3	**0.45843**	5086
chr14	55618166	55625395	Rec8	**0.47397**	4067
chr3	127916171	127955220	9830132P13Rik	**0.52416**	9166
chr14	61607457	61612833	Kcnrg	**0.26995**	2065
chr18	46165300	46212607	Trim36	**0.39984**	8099
chr18	34562641	34579106	Nme5	**0.23111**	800
chr10	39118808	39133895	Fam229b	**0.40681**	1240
chr8	54779434	55060878	Gpm6a	**0.21564**	3200
chr14	51129068	51131121	Rnase6	**0.53668**	2400
chr7	27674661	27706482	C030039L03Rik	**0.34228**	6770
chr8	79295078	79307774	Gm4890	**0.38534**	4251
chr8	72189668	72200958	Hsh2d	**0.52258**	2673
chr12	80942652	80945399	Gm20337	**0.75245**	3588
chr7	10487224	10495381	Zik1	**0.26281**	4599
chr2	32757026	32775633	Ttc16	**0.21243**	3132
chr9	22247430	22259895	Zfp599	**0.37398**	5581
chr7	84528954	84578339	Gm2115	**0.55264**	4299
chrX	7558562	7574281	Ppp1r3f	**0.44056**	5848
chr5	91987473	91995317	Gm1045	**0.35466**	1124
chrX	10037977	10117661	Srpx	**0.19503**	2000
chr17	34092379	34095234	H2-Oa	**0.55233**	1958
chr12	111271111	111276426	Amn	**0.24987**	1758
chr17	71673261	71729669	Fam179a	**0.58946**	8622
chr13	23683473	23683959	Hist1h2ac	**0.17163**	349
chr5	24257528	24257612	Mir684-1	**1.39187**	494
chr10	30832359	30842783	Hey2	**0.31213**	3300
chr3	94660589	94667152	BC021767	**0.25304**	2354
chr1	40515362	40551705	Il18rap	**0.39105**	7983
chr17	26941452	26970645	Syngap1	**0.26723**	4489
chr19	41588651	41588789	Mir8091	**0.22743**	132
chr15	79139238	79141251	1700088E04Rik	**0.67709**	769
chr3	105815567	105817359	Gm5547	**0.50977**	977
chr16	20545112	20548556	Gm15760	**0.29879**	4298

chr7	44590886	44604751	Kcnc3	**0.21653**	4687
chr3	15795147	15848487	LOC100038947	**0.23028**	1400
chr11	98798309	98809807	Gm12359	**0.27267**	1167
chr2	131950861	131954820	Prnd	**0.20971**	1162
chr13	89655310	89742512	Vcan	**0.19397**	11897
chr8	92961047	93001667	Slc6a2	**0.46139**	11700
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chr11	90030348	90036505	Tmem100	**0.22741**	1675
chr15	82341179	82345710	Fam109b	**0.46241**	5300
chr5	120589023	120607113	Iqcd	**0.40662**	2832
chr2	180986535	181017540	Col20a1	**0.452**	7906
chr13	67254918	67269068	Zfp458	**0.38924**	5669
chr19	29067301	29069503	Gm9895	**0.17385**	482
chr2	121394355	121413792	Catsper2	**0.50318**	4721
chr2	127456498	127522094	Kcnip3	**0.2315**	3449
chr3	86138791	86138858	Snord73a	**0.62338**	177
chr9	57790505	57834234	Arid3b	**0.27455**	4346
chr13	40727808	40735162	Tfap2a-as1	**0.37879**	1879
chr3	107039504	107054322	AI504432	**0.37414**	8661
chr13	46418300	46431099	Rbm24	**0.26742**	3600
chr6	134897961	134900785	2810454H06Rik	**0.33046**	3898
chr2	11642792	11693194	Il2ra	**0.45827**	8473
chr7	79593363	79617657	Rhcg	**0.12754**	1113
chr8	119992470	120052793	Crispld2	**0.44649**	7737
chr19	12633308	12651737	Glyat	**0.63017**	3447
chr9	57504102	57505447	Rpp25	**0.19572**	1100
chr2	26352312	26359547	Card9	**0.42398**	2852
chr12	4769295	4778266	Pfn4	**0.41645**	2271
chr17	25162461	25171913	Ccdc154	**0.60286**	6059
chr12	104314570	104320586	Serpina3j	**0.36673**	3061
chr7	133883199	134225097	Adam12	**0.15565**	4988
chr8	46730970	46739515	Gm16675	**0.54852**	3021
chr1	144752841	144775421	Rgs18	**0.19324**	1500
chr5	136919146	136937109	4933404O12Rik	**0.31363**	5199
chr6	38918986	39084579	Tbxas1	**0.33563**	2772
chrX	153832293	153834240	Spin2c	**0.44011**	2400
chr9	7272514	7283333	Mmp13	**0.53718**	6000
chr5	4192367	4197651	Mterf1b	**0.42139**	2407
chr4	11579662	11580107	Fsbp	**0.65457**	1219
chr11	33211794	33513746	Ranbp17	**0.28739**	6144
chr18	52516060	52529867	Lox	**0.29599**	6098
chr1	163245119	163313650	Prrx1	**0.2894**	9000
chr1	195041900	195092248	Cd46	**0.49122**	2488
chr13	23574381	23574915	Hist1h2ad	**0.17593**	393
chr17	84917182	84957423	1110020A21Rik	**0.53032**	2066

chr9	66814994	66834706	Aph1c	**0.37159**	8045
chr9	6168612	6377519	Pdgfd	**0.49646**	3721
chr17	47412734	47437375	1700001C19Rik	**0.4174**	2867
chr6	55203383	55320222	Fam188b	**0.36754**	6553
chr16	98062512	98082439	A630089N07Rik	**0.35862**	3191
chr10	75937735	75940672	Gm867	**0.25328**	1286
chr17	23629458	23645269	Mmp25	**0.26874**	3785
chr12	5376502	5416132	2810032G03Rik	**0.40245**	2114
chr13	33936084	33960181	1110046J04Rik	**0.31811**	963
chrX	48025146	48034852	Apln	**0.50972**	6700
chr4	114406724	114615098	Trabd2b	**0.34018**	9399
chr12	4843303	4856967	BC068281	**0.27497**	3643
chr8	123186235	123201813	Dpep1	**0.34547**	3237
chrX	133851008	133865578	Tnmd	**0.48675**	2695
chr4	49521176	49531558	Zfp189	**0.4291**	5153
chr4	134315120	134329629	Trim63	**0.49244**	3878
chr1	171588613	171607410	Ly9	**0.38979**	4217
chr19	53441212	53464796	5830416P10Rik	**0.47084**	10404
chr10	61197112	61273438	Adamts14	**0.39912**	8646
chr8	45953606	45975252	1700029J07Rik	**0.3234**	3700
chr2	18044087	18048449	Skida1	**0.49929**	9096
chr15	6445333	6498476	C9	**0.32569**	2403
chr12	109032182	109068217	Begain	**0.35306**	3998
chr2	26639190	26639321	Snora17	**0.30844**	170
chr16	17835276	17838186	Car15	**0.5349**	2468
chr3	157566892	157644758	Ptger3	**0.31426**	2648
chrX	73086293	73097095	Xlr3a	**0.2693**	1852
chr13	19749682	19824257	Gpr141	**0.32083**	4599
chr14	50891389	50893255	Klhl33	**0.12827**	858
chr17	5798657	5803240	3300005D01Rik	**0.33649**	1797
chr11	3488227	3494166	Pla2g3	**0.63**	6900
chrX	107148927	107173661	A630033H20Rik	**0.42374**	5998
chr12	69464787	69475550	5830428M24Rik	**0.44431**	1922
chr13	102693558	102706631	Cd180	**0.3511**	3410
chr17	33981492	33985358	AA388235	**0.22909**	3699
chrX	122394561	122397385	Nap1l3	**0.32215**	3800
chr8	95534100	95558888	Ccdc113	**0.20727**	1100
chr15	37366175	37792428	Ncald	**0.5439**	9200
chr7	45366163	45367890	Mtag2	**0.52097**	1675
chr17	47385393	47392967	Guca1b	**0.34244**	2385
chr11	59963307	59964942	Rasd1	**0.55698**	3449
chr9	23223076	23485215	Bmper	**0.30128**	4788
chr7	109520132	109520251	Snora3	**0.17762**	89
chr7	100845848	100863413	Relt	**0.24196**	2846
chr1	95587682	95667594	St8sia4	**0.32028**	7592
chr3	103193823	103834523	Mir3473f	**0.12665**	55
chr8	71908606	71918851	Zfp882	**0.41952**	9899

chr11	100186781	100193246	Krt9	**0.15818**	1704
chr15	91673224	91816124	Lrrk2	**0.45428**	15611
chr13	17747473	17747593	Mir466i	**0.26324**	133
chr7	83932857	84086505	Cemip	**0.23387**	6947
chr6	47819266	47830505	Zfp786	**0.5197**	6139
chr9	53405286	53432803	4930550C14Rik	**0.80444**	4155
chr6	122921848	122934619	Clec4a1	**0.35355**	2300
chr2	71543408	71546754	Dlx2	**0.56169**	5800
chr5	30341663	30366708	Drc1	**0.24816**	2348
chr18	62607540	62741387	Spink13	**0.24552**	815
chr3	95884973	95891930	BC028528	**0.32414**	314
chr5	30913786	30921273	Emilin1	**0.24198**	3500
chr12	33957671	33959831	Twist1	**0.35263**	2400
chr5	23850597	23855033	2700038G22Rik	**0.31571**	1806
chr14	59647741	60086834	Atp8a2	**0.26139**	4022
chr10	7589800	7625477	Lrp11	**0.34545**	4900
chr19	6418738	6533217	Nrxn2	**0.27106**	7538
chr14	122097939	122106974	A330035P11Rik	**0.37006**	4189
chr8	125910450	125947439	BC021891	**0.33302**	7915
chr7	39517766	39540415	Zfp619	**0.27708**	6900
chrX	134748455	134751419	Armcx6	**0.15424**	1310
chr7	68273839	68363092	Fam169b	**0.23771**	2800
chr9	21971527	21989453	Rgl3	**0.54858**	5841
chr16	91269769	91271939	Olig1	**0.45229**	4100
chr7	46104523	46180033	Abcc8	**0.43164**	8925
chr9	108096022	108190383	Bsn	**0.4159**	27676
chr11	109225355	109298181	Rgs9	**0.29856**	10634
chr9	65265180	65280605	Cilp	**0.33447**	5800
chr3	55242526	55539068	Dclk1	**0.31492**	17088
chr1	56793981	56971334	Satb2	**0.29431**	6496
chr3	132085292	132180304	Dkk2	**0.21331**	3300
chr5	121518604	121521695	Adam1a	**0.30208**	3900
chr10	81084333	81098872	Creb3l3	**0.17424**	1661
chr1	171018926	171029761	Fcgr4	**0.5173**	2700
chr13	23555032	23555807	Hist1h1d	**0.23394**	758
chr5	64924680	64933558	Tlr1	**0.58132**	7413
chr13	73699826	73709856	Slc6a19os	**0.21843**	1400
chr3	145004537	145032776	Clca3	**0.40799**	5000
chr12	86678700	86695681	Vash1	**0.32474**	8392
chr7	142533117	142540742	Mrpl23	**0.43989**	1069
chr10	5020196	5550692	Syne1	**0.30351**	22952
chr13	52504375	52530836	Diras2	**0.30823**	5596
chr4	118471191	118489849	Tie1	**0.38217**	6190
chr2	119742337	119751253	Itpka	**0.19909**	1503
chr19	23758876	23949597	Apba1	**0.20222**	5600
chr1	169655501	169693526	Rgs5	**0.35388**	2673
chr11	82101845	82103399	Ccl12	**0.26809**	600

chr6	117863077	117872766	Zfp239	**0.23609**	2773
chrX	74023534	74023598	Mir5132	**0.49004**	133
chr5	88376108	88385916	Amtn	**0.57225**	2442
chr6	148988069	149101680	Dennd5b	**0.24806**	10185
chr6	134982001	134986836	Apold1	**0.32299**	4429
chr7	126816885	126830219	Fam57b	**0.15777**	2083
chr8	31187331	31261924	Fut10	**0.32927**	7005
chr10	81233163	81252123	Zfr2	**0.32257**	4500
chr6	128813706	128826315	Klrb1b	**0.53041**	4899
chr4	154960923	154962371	Hes5	**0.49102**	2610
chr7	142491080	142506771	Prr33	**0.23864**	2237
chr7	115470872	116038744	Sox6	**0.45803**	17899
chr9	20607475	20617271	Fbxl12os	**0.33**	3245
chr2	32721055	32755007	Sh2d3c	**0.39051**	5937
chr7	29134933	29153955	Rasgrp4	**0.3946**	6795
chr1	9942470	9942543	Snord87	**0.59226**	183
chrX	147471694	147554081	Lrch2	**0.76431**	11540
chr12	111417430	111431680	Exoc3l4	**0.31083**	4575
chr6	71322812	71337451	Cd8b1	**0.33319**	1970
chr19	4623898	4623955	Mir6986	**0.54918**	133
chr10	103367808	103419379	Slc6a15	**0.25632**	3900
chr9	65388684	65391652	Kbtbd13	**0.20166**	2500
chr4	141618825	141623834	Slc25a34	**0.20431**	2288
chr2	104071010	104084957	Cd59b	**0.17089**	568
chr15	76910370	76925448	Zfp647	**0.3335**	3200
chr3	10193624	10197283	Fabp9	**0.25951**	700
chr5	104935057	104982717	Abcg3	**0.36176**	4583
chr10	81194691	81208370	Atcayos	**0.43785**	479
chr7	6315665	6330434	Zfp583	**0.16777**	1937
chr16	31986831	31987791	LOC101669761	**0.24796**	995
chr13	4059591	4090422	Akr1c14	**0.55725**	5689
chr13	42680623	43138512	Phactr1	**0.34854**	8598
chr2	84811176	84822652	Smtnl1	**0.37916**	2788
chr10	58813359	59138916	Sh3rf3	**0.33142**	8000
chr14	88464747	88471396	Pcdh20	**0.56697**	12398
chr18	77456110	77565136	Rnf165	**0.28539**	8699
chr4	120877869	120891560	Rims3	**0.36549**	1491
chr1	134765943	134955940	Ppp1r12b	**0.36685**	9474
chrX	57088106	57105446	Vgll1	**1.07337**	5320
chr4	65124174	65357509	Pappa	**0.27689**	12749
chr6	48647234	48660875	Gimap8	**0.31076**	4801
chr2	131039632	131043088	Gfra4	**0.37754**	2352
chr2	170731807	170879775	Dok5	**0.27**	2000
chr6	31519493	31563937	Podxl	**0.25612**	5700
chr3	87846755	87855722	Sh2d2a	**0.42495**	8400
chr8	70373548	70382066	Comp	**0.44937**	4552
chr16	30511855	30550578	Tmem44	**0.40094**	7100

chr14	62555737	62608485	Fam124a	**0.47831**	7104
chr4	6687386	6990723	Tox	**0.3584**	4268
chr1	40805601	40855267	Tmem182	**0.17263**	790
chr17	7350904	7352696	Ttll2	**0.15996**	1084
chr1	15853862	15892722	Sbspon	**0.19173**	2200
chr18	37685400	37687817	Pcdhga4	**0.29971**	3026
chr8	121127685	121130644	Foxl1	**0.34451**	4258
chr15	75108161	75111949	Ly6c2	**0.47181**	1578
chr17	28142526	28171345	Scube3	**0.23194**	2888
chr12	26306794	26415262	Rnf144a	**0.25**	5399
chr2	26934069	26953496	Stkld1	**0.25131**	2276
chr6	124996720	125003097	Pianp	**0.35263**	3444
chr8	84125989	84132517	Podnl1	**0.36638**	3182
chr10	81271597	81271661	Mir3057	**1.0206**	277
chr3	87749097	87768953	Pear1	**0.20382**	4011
chr7	31059935	31070935	Lgi4	**0.346**	4652
chr5	114773733	114774983	4930515G01Rik	**0.23126**	1208
chr7	30291753	30308367	Clip3	**0.23942**	3299
chr17	47688474	47694736	Prickle4	**0.46431**	1266
chr1	184727145	184732493	Hlx	**0.27072**	2427
chr3	87736923	87748623	Lrrc71	**0.3999**	5006
chr11	114890041	114904651	Cd300a	**0.33819**	6555
chr7	127603903	127604445	1700120K04Rik	**0.62188**	1410
chr11	70438255	70438318	Mir7115	**0.37046**	99
chr8	27085841	27123436	Gpr124	**0.275**	6335
chr17	27655591	27711117	Pacsin1	**0.34678**	6400
chrX	7638580	7653256	Syp	**0.42099**	4363
chrX	134542341	134583140	Btk	**0.19499**	2064
chr13	73627001	73649041	Tert	**0.29541**	4226
chr2	69758057	69789486	Ccdc173	**0.26287**	1900
chrX	71050256	71154717	Mamld1	**0.1752**	2529
chrX	20059570	20097520	Chst7	**0.56234**	5154
chr8	13026034	13035809	F7	**0.23112**	1794
chr1	63114471	63158295	Ino80dos	**0.36525**	2370
chr2	104679980	104712162	Tcp11l1	**0.23833**	3495
chr14	61219115	61258490	Sgcg	**0.27591**	3932
chr2	32066885	32083705	Fam78a	**0.29854**	5000
chr11	83002158	83020722	Slfn8	**0.507**	8305
chr17	33524196	33553782	Adamts10	**0.38325**	6513
chr9	40972798	41004628	Crtam	**0.18527**	1500
chr5	140872999	141000596	Card11	**0.40088**	6883
chr3	37308627	37312446	Cetn4	**0.339**	1499
chr3	137341078	137431069	Emcn	**0.19277**	1176
chr7	45832483	45866681	Grin2d	**0.16933**	3099
chr10	122078112	122079879	Gm9079	**0.24383**	1800
chr12	102129419	102266749	Slc24a4	**0.27017**	2360
chr4	146468234	146469440	Gm13251	**0.44862**	2261

chr14	79451835	79454816	Zbtbd6	**0.21684**	2700
chr11	101279203	101288266	Cntd1	**0.38816**	2906
chr7	127232418	127233130	Gm4532	**0.58143**	1731
chr17	24175431	24199957	Tbc1d24	**0.28331**	9421
chr16	84774123	84826375	Jam2	**0.3077**	6189
chr12	111484609	111485823	Gm266	**0.41394**	2100
chr9	37544493	37552745	Nrgn	**0.20041**	1082
chr5	104813168	104860068	Zfp951	**0.48897**	5927
chr8	3871824	3878499	Cd209d	**0.21368**	770
chr16	29231914	29378732	Atp13a5	**0.27303**	5170
chr9	96731676	96752831	E030011O05Rik	**0.28869**	798
chr14	73519864	73548242	Nudt15	**0.24079**	2606
chr3	65666228	65831162	Lekr1	**0.36288**	3335
chr11	99144199	99155077	Ccr7	**0.37179**	3066
chr4	109218413	109254577	Calr4	**0.19156**	2022
chr13	16857475	17694765	Sugct	**0.46898**	3376
chr7	12768092	12775658	Zscan18	**0.30521**	4621
chr2	153649449	153687730	Dnmt3b	**0.34482**	6230
chr9	86571988	86574899	Rwdd2a	**0.14685**	848
chr5	149439706	149470620	Tex26	**0.52364**	2392
chr16	4037145	4039976	Dnase1	**0.21529**	1130
chr8	18932729	18950975	Xkr5	**0.23263**	3900
chr18	34689903	34720387	Gfra3	**0.26258**	2184
chr9	50488799	50499094	Plet1os	**0.36873**	1321
chr3	69573919	69598960	B3galnt1	**0.22185**	2100
chr15	42424667	42676977	Angpt1	**0.48831**	8800
chr11	97744897	97745035	Mir8102	**0.16885**	98
chr10	80832801	80844039	Lingo3	**0.1741**	2500
chr2	181578480	181585115	Uckl1os	**0.17385**	1483
chr13	114958081	115101964	Itga1	**0.4275**	10678
chr19	4164324	4175479	Carns1	**0.35006**	5800
chr2	181669837	181671640	Sox18	**0.2071**	1400
chr3	10244209	10301183	Fabp12	**0.15025**	1576
chr7	97309380	97325964	Usp35	**0.23769**	3952
chr9	92267258	92267361	Mir6386	**0.34312**	149
chr17	48232739	48246924	Trem1	**0.14251**	1800
chr7	141015812	141016892	Ifitm6	**3.06115**	6915
chr2	148694657	148732420	Napb	**0.35298**	5443
chr8	3665762	3668905	Mcemp1	**0.24838**	1174
chr4	132302194	132303356	Rab42	**0.72401**	2222
chr13	92751586	92794818	Thbs4	**0.23747**	3175
chr17	39406359	39410992	Esp18	**0.53233**	2794
chr5	120458202	120472763	Sdsl	**0.33557**	1694
chr5	30711895	30799369	Dpysl5	**0.29048**	6090
chr7	99482785	99482932	Snord15a	**0.16182**	100
chr11	115381916	115396132	Cdr2l	**0.25263**	3903
chrX	105764477	105776532	Fgf16	**0.77331**	9816

chr6	122513676	122529287	Mfap5	**0.2434**	1433
chr10	87859056	87937047	Igf1	**0.2912**	8993
chr10	107492860	107494729	Myf6	**0.24947**	1300
chr13	48272418	48273884	A330048O09Rik	**0.21543**	600
chr18	37755773	37758367	Pcdhga11	**0.48415**	5246
chr7	12881178	12893422	Zfp128	**0.33115**	5300
chr12	26469215	26479837	Cmpk2	**1.02127**	13599
chr5	48395573	48414294	5730480H06Rik	**0.24171**	1636
chr9	108986163	108987164	Ucn2	**0.2469**	1033
chr2	74704615	74707932	Hoxd8	**0.22185**	2000
chr9	121577843	121641566	Lyzl4	**0.50471**	2099
chrX	134971373	135009209	Zmat1	**0.43072**	6300
chr1	171559193	171585316	Cd244	**0.23274**	3652
chr14	78277446	78308043	Tnfsf11	**0.16073**	1500
chr17	12318853	12327250	4732491K20Rik	**0.22749**	3015
chr19	47512982	47516578	Gm19557	**0.30596**	3374
chr7	48830398	48848051	Csrp3	**0.86148**	3500
chr10	79916971	79922272	Kiss1r	**0.22116**	2920
chr4	101346524	101356248	E130102H24Rik	**0.28811**	800
chr18	9707648	9877995	Colec12	**0.33062**	4586
chr6	123122690	123143999	Clec4a2	**0.35631**	3892
chr13	55006019	55021385	Hk3	**0.25178**	3401
chr3	89998760	90001325	Gm19710	**0.29271**	682
chr2	177759288	177773275	Gm14322	**0.4097**	6877
chr9	54538984	54545020	Sh2d7	**0.28645**	3300
chr4	136423524	136444401	Htr1d	**0.27657**	3700
chrX	161162750	161258213	Scml2	**0.38841**	7916
chr9	57056897	57071966	Gm10658	**0.18686**	813
chr17	5492600	5753891	Zdhhc14	**0.43055**	5600
chr2	153407461	153529971	Nol4l	**0.36935**	10060
chr5	57570084	57717919	4932441J04Rik	**0.20353**	617
chr5	143758354	143764942	D130017N08Rik	**0.5259**	3744
chr4	108014793	108032090	Podn	**0.21**	3040
chr4	129287621	129306704	Sync	**0.36239**	2300
chr6	128539822	128581606	BC048546	**0.22649**	4443
chr12	113185903	113189522	Tmem121	**0.52389**	3500
chr13	62772200	62785808	Gm5141	**0.35774**	4898
chr8	4248214	4251423	Tgfbr3l	**0.42908**	1926
chr2	165377436	165388259	Zfp334	**0.30187**	6344
chr15	84232043	84315609	Parvb	**0.25669**	3971
chr1	125913636	126830632	Nckap5	**0.34493**	10936
chr13	95959443	96132577	Sv2c	**0.29052**	5158
chr7	92740706	92741459	4632427E13Rik	**0.36729**	1026
chr7	44959372	44974851	Cpt1c	**0.28329**	3305
chr8	34115030	34125185	Mboat4	**0.27348**	2100
chr11	51059257	51072799	Zfp354a	**0.36093**	6072
chr11	96464591	96759622	Skap1	**0.37761**	3453

chr12	87278638	87299705	Ism2	**0.13273**	1400
chr17	35203165	35205351	Lta	**0.32279**	1864
chr6	90333289	90364548	Uroc1	**0.25018**	3512
chr10	77686569	77886769	Tspear	**0.20375**	2081
chr10	79890853	79892660	Cfd	**0.80063**	3099
chr11	48803139	48803206	Snord95	**0.19723**	56
chr1	135324813	135368065	Lmod1	**0.15188**	2500
chr10	20398004	20725068	Pde7b	**0.42908**	7394
chr1	78101267	78197136	Pax3	**0.27862**	4500
chr9	118606709	118901003	Itga9	**0.30039**	8894
chr2	172393794	172433757	Cass4	**0.29041**	4500
chr6	120666421	120771191	Cecr2	**0.19431**	7475
chr14	20659418	20668306	Synpo2l	**0.28853**	4725
chr17	31208066	31242403	Ubash3a	**0.2596**	3201
chr14	20546293	20570680	1810062O18Rik	**0.30604**	676
chrX	78449610	78583897	Prrg1	**0.172**	2900
chr18	37751779	37754193	Pcdhgb7	**0.30078**	3033
chr12	57564115	57622109	4921506M07Rik	**0.27528**	1700
chr4	75941237	78211895	Ptprd	**0.37245**	14194
chr4	116684965	116686022	AV051173	**0.33757**	857
chr16	8513429	8621567	Abat	**0.39698**	7683
chr11	43374397	43374461	Mir146	**0.35003**	95
chr15	76715276	76719924	Lrrc24	**0.25188**	1952
chr17	35342333	35345722	H2-Q2	**0.45741**	2099
chr2	9881246	9886767	4930412O13Rik	**0.23384**	3845
chr4	115779834	115781034	Tex38	**0.18386**	628
chr12	105563172	105593071	Bdkrb2	**0.336**	2357
chr6	148232430	148444352	Tmtc1	**0.29446**	9760
chr3	134236495	134262089	Cxxc4	**0.22453**	5193
chr9	86743633	86757506	Prss35	**0.58852**	6200
chr1	36372291	36422110	Fer1l5	**0.32493**	8572
chr11	118428457	118451782	C1qtnf1	**0.2755**	4460
chr4	155859304	155863353	Tas1r3	**0.28088**	4079
chr11	118332360	118342534	BC100451	**0.30233**	2497
chr11	73234149	73261322	Trpv1	**0.20718**	3103
chr4	141890623	142011651	Fhad1	**0.23859**	4488
chr4	155608297	155624755	Gm16023	**0.40498**	3426
chr3	113555952	113577750	Amy1	**0.27603**	2100
chr9	35116811	35130922	4930581F22Rik	**0.3596**	3482
chr8	31089662	31097047	Dusp26	**0.30159**	2200
chr11	88718643	88728572	C030037D09Rik	**0.20411**	900
chrX	12936873	12938541	AA414768	**0.21524**	1500
chr16	87496073	87504038	B130034C11Rik	**0.29366**	1724
chr8	41017468	41019616	B430010I23Rik	**0.15483**	331
chr2	62664327	62694109	Gca	**0.21101**	2897
chr7	42609526	42642604	9830147E19Rik	**0.1625**	3400
chr17	35028605	35046723	Msh5	**0.46358**	5178

chrX	21312210	21334727	Gm6938	**0.32553**	1048
chr2	156872922	156887078	Sla2	**0.34779**	2887
chr3	115710433	115715055	S1pr1	**0.28456**	3599
chr10	63024512	63058812	Pbld2	**0.25964**	2397
chr7	35201112	35215345	Lrp3	**0.2393**	3757
chr3	86786150	86920884	Dclk2	**0.19118**	3352
chr11	69599750	69605960	Atp1b2	**0.15378**	1900
chr5	8490336	8622952	Rundc3b	**0.29977**	4600
chr11	116657108	116668389	Gm11744	**0.39198**	1311
chr1	180326969	180330475	Gm5069	**0.19121**	2800
chr4	134343046	134354484	Slc30a2	**0.20241**	2800
chr4	45848947	45887008	Stra6l	**0.27894**	4200
chr5	92571537	92591284	Fam47e	**0.44907**	2822
chr8	20268286	20297432	6820431F20Rik	**0.31763**	6179
chr15	79742698	79757394	Gm16576	**0.44805**	10110
chr5	19227046	20704791	Magi2	**0.23012**	6949
chr4	42917251	42941607	N28178	**0.51929**	7357
chr17	30622441	30626905	1700097N02Rik	**0.20661**	729
chr9	20770050	20815034	Col5a3	**0.15788**	4012
chr17	71640889	71641658	Snord53	**0.18506**	68
chr14	51922160	51922773	Rnase13	**0.19503**	500
chr17	50509547	50688494	Plcl2	**0.39438**	6671
chr6	129610323	129623864	Klrk1	**0.24367**	3384
chr11	69876684	69878018	Tmem95	**0.22506**	499
chr14	55650184	55652539	Tssk4	**0.32551**	1930
chr5	64044973	64050226	5830416I19Rik	**0.47889**	5259
chr2	125300594	125506438	Fbn1	**0.23891**	9876
chr7	29843936	29853648	Zfp940	**0.34451**	3976
chr2	32095651	32110820	Ppapdc3	**0.27836**	2120
chr11	69663043	69663125	Mir1934	**0.1991**	69
chr8	104101625	104144502	Cdh5	**0.16042**	2670
chr5	73606642	73632421	Lrrc66	**0.6388**	8250
chr3	59207894	59210882	P2ry13	**0.1517**	1600
chr1	127753617	127774054	2900009J06Rik	**0.12945**	200
chr12	102743499	102743661	Moap1	**0.18219**	124
chr6	30733506	30747553	Mest	**0.32904**	2561
chr17	26202962	26211324	Rgs11	**0.27423**	2297
chr15	103308235	103310438	Gpr84	**0.16985**	1100
chr16	17646470	17650738	Ccdc74a	**0.15535**	829
chr5	29195993	29225524	Rnf32	**0.61797**	4144
chr6	54508816	54566382	Scrn1	**0.35432**	2629
chr4	132309953	132310069	Snora44	**0.31523**	154
chr2	165055636	165071654	Cd40	**0.22432**	1671
chr2	84734204	84737877	Ypel4	**0.2621**	823
chr5	120730333	120749848	Oas2	**1.45877**	23536
chr18	75001068	75001122	Snord58b	**0.4964**	114
chr2	59382493	59386682	5330411J11Rik	**0.53711**	3687

chr4	106680417	106727930	Mroh7	**0.20252**	3675
chr1	85939537	85961055	Gpr55	**0.41549**	4424
chr18	70240429	70244584	Dynap	**0.75244**	3855
chr13	35967906	35970388	Ppp1r3g	**0.20753**	2000
chr10	68430956	68541875	1700040L02Rik	**0.36756**	1900
chr5	21543527	21575902	Lrrc17	**0.25885**	2300
chr3	87250965	87263524	Fcrls	**0.26355**	2191
chr16	4935164	4939377	Gm16861	**0.48332**	2561
chr17	40520022	40530702	Esp8	**0.34555**	1300
chr18	23750448	23752305	Gm15972	**0.22973**	400
chr9	121777607	121783819	Klhl40	**0.19511**	2000
chr8	122422085	122423639	Il17c	**0.38341**	1047
chr2	12106660	12301920	Itga8	**0.1536**	3700
chr12	111941991	111944482	5033406O09Rik	**0.26816**	1936
chr15	98519835	98519878	Mir1291	**0.41911**	77
chr9	102506138	102546239	Ky	**0.20925**	4761
chr2	70508819	70540884	Erich2	**0.20909**	1527
chr2	119218119	119229865	Ppp1r14d	**0.94586**	3203
chr17	25809085	25821265	Fbxl16	**0.1848**	2700
chr7	135410367	135413615	Foxi2	**0.46114**	4989
chr8	116969599	116978943	1700030J22Rik	**0.22571**	2800
chr8	122454206	122460692	Snai3	**0.27129**	1800
chr11	75999912	76003569	1700016K19Rik	**0.13158**	506
chr5	103648587	103655732	1700016H13Rik	**0.19063**	753
chr8	105253052	105255153	B3gnt9	**0.29129**	2328
chr9	37275835	37348392	Ccdc15	**0.2365**	3481
chr9	95400926	95407270	Chst2	**0.24341**	6344
chr5	110339812	110343035	P2rx2	**0.33727**	2411
chr4	129137060	129144593	Fndc5	**0.25704**	2900
chr7	120173858	120183716	Anks4b	**0.26155**	2217
chr17	51736187	51833290	Satb1	**0.40242**	11406
chrX	101731536	101734147	Cxcr3	**0.25319**	1700
chr11	87760541	87785928	Bzrap1	**0.40792**	12972
chr9	95637628	95695551	Pcolce2	**0.38478**	2998
chr4	114163384	114245028	Skint11	**0.92135**	5359
chr10	22113050	22149270	E030030I06Rik	**0.45286**	4334
chr13	95696920	95702768	F2rl2	**0.16523**	1700
chr17	17830975	17839071	Spaca6	**0.18777**	864
chr1	17727417	17766207	Crispld1	**0.25504**	4266
chr16	38085064	38089000	BC031361	**0.3224**	5300
chr6	67292018	67376137	Il12rb2	**0.34489**	4244
chr10	127032905	127041394	LOC100504608	**0.44849**	1309
chr12	71309884	71320107	Dact1	**0.24197**	3800
chr15	81686167	81697287	Chadl	**0.21353**	2171
chr4	103038065	103114299	Wdr78	**0.30112**	4769
chr19	59458690	59465357	Emx2	**0.40081**	4348
chr4	129984870	130022633	Bai2	**0.23893**	5484

chr8	105690906	105698158	Rltpr	**0.3143**	3277
chr12	85288591	85299358	Zc2hc1c	**0.42363**	7928
chr19	37434841	37440731	Hhex	**0.32455**	2400
chr13	19623175	19632823	Sfrp4	**0.20148**	1479
chr2	163225454	163323102	Tox2	**0.20146**	1409
chr2	130580677	130582541	Avp	**0.16202**	343
chr6	124493113	124510643	C1rl	**0.35804**	4500
chr6	70956606	70961066	Foxi3	**0.24128**	1215
chr18	37518353	37521419	Pcdhb22	**0.28111**	3600
chr9	53850251	53853849	Sln	**0.27634**	600
chr14	32322019	32347820	Ogdhl	**0.33386**	4808
chr2	122466583	122467797	Bambi-ps1	**0.19711**	1000
chr2	30237198	30237631	1700084E18Rik	**0.46077**	835
chr19	24679662	24861842	Pgm5	**0.15287**	4200
chr11	85832615	85841948	Tbx2	**0.20843**	3100
chr19	10962295	10974670	Ms4a10	**0.38072**	1604
chr3	37714190	37724360	Gm5148	**0.33332**	1691
chr7	45126864	45126917	Snord33	**1.1265**	254
chr9	88841798	88858870	9330159M07Rik	**0.1675**	1724
chr17	29827958	29887882	Mdga1	**0.27134**	8572
chr6	67422932	67491855	Il23r	**0.14439**	1500
chr7	143778363	143784500	Mrgpre	**0.21014**	3300
chr8	84010228	84011720	2210011C24Rik	**0.57381**	1888
chr8	87661810	87959595	Zfp423	**0.13178**	2700
chr11	67112461	67120080	2310065F04Rik	**0.19342**	2200
chr7	107370790	107548655	Syt9	**0.33037**	5264
chr16	96158406	96192257	Lca5l	**0.24176**	3200
chr16	57624256	57754737	Col8a1	**0.39809**	8494
chr15	79803975	79804709	Nptxr	**0.2535**	778
chr11	33116978	33147400	Fgf18	**0.72286**	4784
chr14	56258858	56262260	Gzmb	**1.29386**	7650
chr2	120463593	120504919	Capn3	**0.3431**	4997
chr15	99972167	99973287	2310068J16Rik	**0.23584**	903
chr16	44765736	44794977	Cd200r1	**0.2476**	1955
chr17	40764734	40794146	Crisp2	**0.35753**	2193
chr1	195017399	195037908	A330023F24Rik	**0.24059**	5049
chr2	131946371	131946473	Prn	**0.23252**	100
chr10	63115795	63203952	Mypn	**0.20543**	4500
chr17	25057702	25081114	Tmem204	**0.24366**	1810
chr1	191098414	191108943	Batf3	**0.60546**	1800
chr7	16234585	16244154	C5ar2	**0.41637**	6191
chr8	23138785	23147467	Gm15816	**0.16077**	919
chr7	70365383	70411146	B130024G19Rik	**0.50753**	3840
chr2	158666733	158766334	Ppp1r16b	**0.36107**	9777
chr11	82057832	82062955	Ccl11	**0.37944**	1700
chr18	37504264	37507661	Pcdhb20	**0.21757**	3087
chr2	120265869	120289069	Pla2g4d	**0.14183**	1946

chr11	82035577	82037452	Ccl2	**0.23771**	800
chr10	93523338	93540033	Amdhd1	**0.147**	1486
chr15	94629185	95096097	Tmem117	**0.31863**	3700
chrX	103560910	103623754	Ftx	**0.38074**	11909
chr7	27523261	27531174	Hipk4	**0.30755**	3100
chr7	114415254	114537937	Pde3b	**0.26817**	5919
chr16	3707215	3718124	Mefv	**0.18654**	2505
chr7	24661294	24663109	Gm4598	**0.14857**	670
chr7	103826523	103826531	Hbb-bs	**0.13305**	5
chr18	37689859	37692369	Pcdhgb2	**0.1526**	1600
chr13	21716412	21716859	Hist1h2ai	**0.24804**	464
chr7	35578996	35585582	Rgs9bp	**0.23266**	6399
chr4	44121893	44124123	Gm12504	**0.33589**	3129
chrX	53053112	53057190	C430049B03Rik	**0.38794**	4419
chr7	82335694	82614448	Adamtsl3	**0.39591**	12043
chr4	83525545	83864670	Ccdc171	**0.4114**	7773
chr13	23561896	23562365	Hist1h3e	**0.15949**	313
chr5	45529705	45639274	Fam184b	**0.17495**	2846
chr13	67363584	67375763	Zfp456	**0.36942**	6292
chr7	66839735	67152625	Adamts17	**0.26364**	6637
chr17	83831354	83846790	Haao	**0.4739**	2422
chr18	5591860	5775468	Zeb1	**0.28866**	6998
chr2	32986366	33087204	Garnl3	**0.17147**	2425
chr8	65618040	66471637	March1	**0.38233**	7698
chr11	100334412	100336996	Gast	**0.52635**	1000
chr13	75967739	75998968	Spata9	**0.28202**	1240
chr12	103532565	103613832	Ppp4r4	**0.19846**	3052
chr5	105078394	105110292	Gbp9	**0.49968**	7580
chr9	78367054	78368199	Dppa5a	**0.78706**	2100
chr4	155781591	155785874	Tmem88b	**0.219**	3174
chr15	99251788	99262041	1700120C14Rik	**0.34011**	409
chr18	12741355	12755142	Cabyr	**0.17764**	965
chr1	86359574	86367964	C130036L24Rik	**0.37532**	1984
chr9	86695442	86701253	A330041J22Rik	**0.14253**	1079
chr7	13325667	13360668	Pla2g4c	**0.15098**	2197
chr8	102632995	102785111	Cdh11	**0.25551**	4498
chr10	7444873	7473477	Ulbp1	**0.35351**	2685
chr9	27097384	27155421	Jam3	**0.15804**	1300
chr2	126553024	126588243	Slc27a2	**0.20462**	1966
chr13	107022570	107033518	3830408C21Rik	**0.2246**	1780
chr11	99914751	99915671	Gm11565	**0.59782**	2299
chr16	38362173	38378216	Popdc2	**0.13077**	1127
chr6	124858445	124863917	Gpr162	**0.23779**	2656
chr4	135759715	135815567	Myom3	**0.2021**	4707
chr4	53631471	53707009	Fsd1l	**0.18282**	5700
chr9	55326949	55438344	AI118078	**0.2388**	2400
chr8	93302369	93337209	Ces1g	**0.37352**	3570

chr1	93015455	93101874	Kif1a	**0.12549**	4360
chr15	10714836	10790123	4930556M19Rik	**0.34228**	6137
chr2	118707517	118728438	Plcb2	**0.30959**	6651
chr11	97854307	97884154	Fbxo47	**0.24491**	1719
chr7	45126603	45126668	Snord34	**0.47898**	132
chr15	101221191	101225186	A330009N23Rik	**0.18449**	919
chr17	31141062	31144282	Tff2	**0.2936**	700
chrX	73411103	73426987	Zfp92	**0.26007**	6243
chr11	43474306	43491525	C1qtnf2	**0.27311**	1381
chr7	82632960	82648528	Fam154b	**0.27926**	3251
chr12	110591374	110592679	B930059L03Rik	**0.31174**	1700
chr6	92940582	93111749	9530026P05Rik	**0.29557**	1228
chr16	4964288	4978054	4930451G09Rik	**0.33322**	2677
chr2	121093589	121109791	Tgm7	**0.25325**	2245
chr8	124576111	124618731	Capn9	**0.18101**	1761
chr9	70798128	70934808	Lipc	**0.20843**	1671
chr6	128169700	128183803	9330102E08Rik	**0.28699**	4610
chr14	62663667	62692243	Serpine3	**0.3138**	1837
chr6	24951141	24956125	Tmem229a	**0.30944**	6441
chr2	30845367	30881247	Prrx2	**0.25455**	1200
chr18	37477768	37483037	Pcdhb16	**0.18632**	4100
chr2	110360925	110362993	Fibin	**0.19666**	1699
chr7	6363308	6382605	Zfp78	**0.2347**	4800
chr8	10006633	10035999	Tnfsf13b	**0.26671**	1891
chr5	122989354	122998341	A930024E05Rik	**0.31645**	2500
chr3	142496934	142522344	Gbp5	**0.32329**	4078
chr8	40926233	40990770	Pdgfrl	**0.20309**	1300
chr16	37011786	37095417	Polq	**0.20619**	7363
chr19	44516957	44545848	Sec31b	**0.20042**	3283
chr5	23692261	23712667	AI506816	**0.15929**	1849
chr17	32621319	32636184	Cyp4f37	**0.19943**	2200
chr6	129666016	129678973	Klrc1	**0.21739**	1800
chr3	89234177	89245897	Trim46	**0.37012**	5491
chr5	66745840	67057159	Limch1	**0.25947**	6999
chr7	27765673	27770972	Gm10046	**0.18947**	500
chr1	39618406	39651182	Creg2	**0.13629**	3300
chr17	35470089	35474563	H2-Q10	**0.14356**	883
chr9	58287723	58313212	Loxl1	**0.20089**	2800
chr8	75213944	75224113	Rasd2	**0.25568**	3000
chr6	37983739	38046996	Svopl	**0.30589**	3022
chr17	34597850	34600937	Ager	**0.18681**	1234
chr9	120092133	120094906	Ccr8	**0.29543**	1426
chr1	3214482	3671498	Xkr4	**0.36247**	5500
chr11	82911253	82943406	Unc45b	**0.22034**	3129
chr14	70530821	70538324	Lgi3	**0.19334**	2568
chr2	50066429	50193569	Lypd6	**0.19624**	2999
chrX	161717036	161779494	Rai2	**0.21963**	2300

chr3	63696234	63850991	Plch1	**0.26729**	6999
chr6	29433153	29461888	Flnc	**0.23777**	9100
chr11	113780790	114065951	Sdk2	**0.17052**	4702
chrX	106576509	106603679	Cysltr1	**0.28138**	3500
chr19	25671134	25672239	2610016A17Rik	**0.25263**	500
chr6	142085768	142186149	Slco1a6	**0.60582**	7093
chrX	8145427	8147963	Rbm3os	**0.16052**	500
chr18	37694501	37696924	Pcdhga5	**0.20462**	2071
chr6	39462378	39557834	Dennd2a	**0.25845**	4786
chr17	32950961	32965716	Cyp4f41-ps	**0.44093**	2051
chr14	56042123	56044634	Mcpt2	**0.26539**	1076
chr9	78289928	78305525	Gm10639	**0.32882**	1200
chr16	45656317	45693658	Tmprss7	**0.27034**	2918
chr8	69271080	69303375	D130040H23Rik	**0.2432**	2033
chr7	141359178	141365110	B230206H07Rik	**0.37914**	3676
chr18	31931507	31958619	Lims2	**0.23295**	1459
chr7	30712209	30725534	Atp4a	**0.13697**	2000
chr15	74979812	74983430	Ly6i	**0.32869**	1205
chr7	44310264	44358353	Shank1	**0.17807**	5648
chr6	14713822	14755274	Ppp1r3a	**0.26906**	7999
chr2	93955810	93957100	Gm13889	**0.16696**	900
chr11	104608000	104670471	Itgb3	**0.1782**	4300
chr16	36210403	36217788	Gm5416	**0.23542**	289
chr7	4628040	4630482	Tmem86b	**0.40706**	2077
chr10	118920381	118927143	C230029M16	**0.14225**	1400
chr11	70054124	70057895	Asgr1	**0.25964**	1392
chr9	66508776	66514593	Fbxl22	**0.30396**	4592
chr6	120773768	120793982	Slc25a18	**0.14016**	800
chr3	88822010	88832487	1500004A13Rik	**0.23472**	3100
chr8	105939551	105943402	Lcat	**0.17496**	995
chr14	118984985	119099434	Uggt2	**0.19353**	5264
chr19	4625841	4698668	Gm960	**0.22022**	2080
chr9	38752796	38756863	Olfr920	**0.45125**	3693
chr8	40551135	40634792	Mtmr7	**0.35875**	3700
chr13	95024105	95250304	Pde8b	**0.22807**	4693
chr9	77636732	77660122	Klhl31	**0.33116**	8652
chr19	30098441	30175441	Gldc	**0.22532**	3561
chrX	94636069	94638561	Gspt2	**0.19213**	2000
chr4	113477891	113999503	Skint5	**0.76678**	14398
chr14	54650511	54655100	4930579G18Rik	**0.42715**	2472
chr4	142084305	142088101	Tmem51os1	**0.30925**	2261
chr2	122028580	122028582	Eif3j1	**0.87814**	11
chr5	121819209	121819273	Mir7031	**0.23949**	65
chr7	28840611	28840620	Lgals6	**0.62268**	26
chr10	78445095	78445157	Mir6908	**0.39535**	104
chr15	34440506	34440507	Gm12191	**0.95797**	8
chr8	75033686	75070121	Tom1	**0.19785**	1948

chr11	62778387	62789417	Zfp286	**0.29343**	3683
chr11	101877510	101894354	Meox1	**0.16161**	1490
chr12	38780258	38868215	Etv1	**0.4128**	7279
chr6	45060061	47301371	Cntnap2	**0.21128**	6298
chr1	55405946	55754285	Plcl1	**0.28111**	7694
chr13	63289154	63297147	Gm16907	**0.19896**	2224
chr14	105427559	105437716	5430440P10Rik	**0.29135**	1236
chr3	96606662	96629819	6330549D23Rik	**0.27946**	3300
chr3	59952309	59973594	Gm9696	**0.26321**	3352
chr19	23302609	23448322	Mamdc2	**0.20089**	2800
chr11	4139364	4139446	Mir3060	**0.14139**	49
chr1	37754572	37865298	Tsga10	**0.32654**	5702
chr19	11407661	11427246	Ms4a4c	**0.1251**	900
chr5	135106891	135138382	Mlxipl	**0.20215**	3080
chr7	140837221	140845689	C330022C24Rik	**0.38969**	1523
chr8	22974836	23150497	Ank1	**0.14445**	5142
chr2	14174524	14221993	Tmem236	**0.20892**	3191
chr13	21945094	21960485	Zfp184	**0.22151**	2500
chr5	25100975	25103007	2900005J15Rik	**0.1661**	1410
chr6	87778136	87779762	Gp9	**0.20671**	700
chr7	117380979	117667630	Xylt1	**0.21422**	2746
chr5	8893721	8959226	Abcb4	**0.23508**	4000
chr3	105925891	105932664	I830077J02Rik	**0.55222**	2458
chr1	170277324	170285662	Sh2d1b1	**0.31754**	1900
chr8	4209543	4217312	BC068157	**0.2466**	4753
chr11	3239902	3462990	Mir3470a	**0.46008**	73
chr17	49456022	49564337	Daam2	**0.30134**	7606
chr3	54156057	54318471	Trpc4	**0.17502**	3464
chr9	108392834	108397767	1700102P08Rik	**0.41638**	1909
chr2	79255426	79333114	Itga4	**0.28724**	11593
chr8	62057042	62123193	Anxa10	**0.16803**	1305
chr18	70453140	70472453	4930503L19Rik	**0.26636**	2518
chr14	56231401	56234656	Gzmc	**0.3077**	1200
chr19	17432832	17837632	Pcsk5	**0.19875**	7756
chr10	103007847	103028777	Alx1	**0.27859**	2900
chr9	67759437	67760933	C2cd4b	**0.26074**	1448
chr19	5447698	5450351	Fosl1	**0.26126**	600
chr3	96555768	96566801	Gm15441	**0.2276**	1014
chr19	6012620	6018459	Gm10814	**0.27988**	1892
chr4	52430284	52438964	Smc2os	**0.15303**	400
chr11	98982180	98983016	Gjd3	**0.41775**	1460
chr6	21985910	22255606	Cped1	**0.16864**	3449
chr2	164354313	164354383	Mir7678	**0.20913**	62
chr11	83116845	83122659	Slfn1	**0.3998**	3100
chr8	85067568	85067982	Gm5741	**0.31105**	426
chr17	34845101	34845167	Mir6970	**0.85073**	238
chr4	127311420	127314039	Gja4	**0.26449**	1862

chr3	123006206	123034987	Myoz2	**0.47587**	2291
chrX	9885621	9998864	Sytl5	**0.36099**	9983
chr7	139972303	139978755	6430531B16Rik	**0.17204**	834
chr4	3901158	3938405	Plag1	**0.13434**	2600
chr1	5913707	5917398	Npbwr1	**0.15568**	2400
chr7	4518308	4522443	Tnni3	**0.31506**	1084
chr7	119486587	119523482	Pdilt	**0.23568**	2105
chr5	65863569	65896700	Rhoh	**0.19797**	4100
chr9	45117876	45130070	Scn2b	**0.36218**	6899
chr3	83766321	83774314	Sfrp2	**0.29921**	2500
chrX	48108725	48136981	Xpnpep2	**0.24469**	3574
chr12	101082451	101088927	D130020L05Rik	**0.42604**	3782
chr17	36986855	36989504	H2-M5	**0.26467**	1293
chr17	46254165	46257316	Lrrc73	**0.22496**	1300
chr9	121756842	121759943	E530011L22Rik	**0.22459**	2909
chr6	50207403	50261769	Dfna5	**0.2341**	2085
chr9	119102478	119147694	Dlec1	**0.15699**	3450
chr11	16934709	16951282	Eldr	**0.3893**	2804
chr2	126034658	126091185	Fgf7	**0.242**	2700
chr11	69554092	69560237	Efnb3	**0.22258**	2988
chr19	43956308	43986520	Cpn1	**0.26597**	1989
chr2	148436651	148443535	Cd93	**0.21287**	5900
chr16	30307685	30310781	Gp5	**0.30495**	2800
chr14	21733395	21748622	Dusp13	**0.26841**	2200
chr18	37447657	37451094	Pcdhb14	**0.13932**	2000
chr2	5898060	5942792	Dhtkd1	**0.1691**	2496
chr5	111418166	111457025	Mn1	**0.32434**	8299
chr1	91801477	91848027	Twist2	**0.27381**	1500
chr18	60376029	60392629	Iigp1	**0.86648**	11299
chr18	4165832	4182236	Lyzl1	**0.39615**	1406
chr15	11839896	11907371	Npr3	**0.20512**	6277
chr17	17887824	17893952	Fpr2	**0.14783**	800
chr11	58994256	59136375	Obscn	**0.14524**	17001
chr18	37680458	37682839	Pcdhgb1	**0.19344**	1924
chr11	49057196	49064212	Tgtp2	**0.62084**	7300
chr7	99466004	99474020	Klhl35	**0.1806**	1472
chr7	4825552	4844696	Shisa7	**0.21103**	5293
chr2	164163619	164171113	Kcns1	**0.38591**	4370
chr18	62548911	62661388	Spink10	**0.16754**	794
chr7	90426312	90428664	Ccdc89	**0.35623**	3500
chrX	75172715	75380041	F8	**0.16068**	5038
chr1	21001397	21079225	Tram2	**0.39714**	2305
chr16	78359860	78377181	Btg3	**0.15738**	46
chr5	137981521	137990232	Azgp1	**0.63791**	3500
chr9	58652880	58741559	Rec114	**0.22248**	798
chr6	125145241	125161782	Iffo1	**0.23924**	2846
chr14	77156763	77721763	Enox1	**0.27332**	3983

chr17	34564295	34588543	Notch4	**0.14317**	3948
chr6	125231276	125239934	E130112N10Rik	**0.12994**	733
chr11	32188997	32200279	Il9r	**0.19401**	2500
chr5	77205106	77211471	Spink2	**0.51165**	1801
chr1	90766860	90843971	Col6a3	**0.17397**	7875
chr17	8988333	9008319	1700010I14Rik	**0.29892**	2344
chr11	55158468	55185077	Slc36a2	**0.17713**	1798
chr11	70705990	70706052	Mir6925	**0.60443**	159
chrX	167304926	167330571	Tlr7	**0.13242**	2200
chr1	14168958	14310199	Eya1	**0.26348**	4777
chr10	127849928	127861176	Rdh19	**0.3702**	2920
chr5	31086106	31093527	Slc30a3	**0.15559**	1300
chr16	94085260	94127032	Sim2	**0.21169**	3244
chr2	64912482	65022766	Grb14	**0.33973**	2786
chr4	138799247	138863469	Pla2g5	**0.17559**	1668
chr7	43472907	43490023	Iglon5	**0.21001**	2251
chr14	55824795	55833943	Nfatc4	**0.28597**	4799
chr5	123510460	123511329	B3gnt4	**0.23674**	860
chr8	84701457	84704711	Lyl1	**0.3115**	2336
chr18	37972623	37998969	Arap3	**0.16092**	3695
chr4	86053915	86428382	Adamtsl1	**0.17261**	5650
chr19	34473784	34475135	Ch25h	**0.14171**	800
chr7	143607685	143627845	Tnfrsf26	**0.14875**	1849
chr10	79617938	79637918	Shc2	**0.15016**	2481
chr1	59256907	59352369	Cdk15	**0.38218**	2357
chr8	95806830	95821728	4930513N10Rik	**0.18179**	2029
chr2	9883142	9889540	9230102O04Rik	**0.29447**	782
chr10	88729541	88731101	Gm4925	**0.15342**	1000
chr8	3743395	3748984	Cd209a	**0.46801**	2900
chr11	68556186	68558245	Mfsd6l	**0.27902**	2400
chr11	49609679	49652739	Flt4	**0.22969**	5600
chr16	13715057	13730983	Pla2g10	**0.19422**	1300
chr9	110857967	110864628	Prss50	**0.17464**	1061
chr6	124304651	124330527	Cd163	**0.1383**	2594
chr7	109798691	109865679	Scube2	**0.1578**	2347
chr2	144459280	144467794	Zfp133-ps	**0.25081**	1130
chr15	77748613	77755229	Apol8	**0.22255**	1708
chr2	181390886	181459426	Zbtb46	**0.1423**	1981
chr9	121937275	121947016	1700048O20Rik	**0.37583**	2900
chr5	112688876	112896362	Myo18b	**0.16373**	5524
chr5	24532697	24540448	Asb10	**0.2583**	2500
chr3	94464985	94473591	Riiad1	**0.61513**	1613
chr16	3946933	3976632	Nlrc3	**0.16553**	2820
chr10	59403685	59421976	Pla2g12b	**0.41158**	1832
chr17	27143971	27167764	Ip6k3	**0.17528**	1687
chr6	114397936	114483296	Hrh1	**0.17025**	2899
chr5	35041553	35048436	Hgfac	**0.13335**	1171

chr6	122626424	122630271	Dppa3	**0.219**	748
chr9	37539255	37544205	Vsig2	**0.36845**	1800
chr11	52764706	53187347	Fstl4	**0.2106**	2741
chr2	77009906	77170635	Ccdc141	**0.29398**	7769
chr17	24719531	24719965	Snhg9	**0.13087**	100
chr10	22173875	22173901	Raet1b	**0.42576**	48
chr10	70440668	70557685	Fam13c	**0.15062**	1549
chr5	147957320	148316065	Mtus2	**0.34801**	10961
chr18	37731154	37733559	Pcdhgb5	**0.1941**	1950
chr7	122219496	122222539	Chp2	**0.33009**	1614
chr11	120635712	120643670	Pycr1	**0.19486**	2371
chr7	126781483	126785548	Tbx6	**0.15361**	1100
chr16	20684256	20684313	Snord66	**0.21885**	53
chr11	108395297	108414396	Apoh	**0.28129**	1393
chr13	23456993	23465901	Btn1a1	**0.14621**	2105
chr17	25242800	25256364	Baiap3	**0.18876**	3550
chr6	22288227	22298522	Wnt16	**0.15813**	1100
chr19	5495278	5510489	Snx32	**0.20683**	1425
chr4	156021645	156023824	Gm10560	**0.25568**	900
chr9	51056780	51077094	Layn	**0.2108**	1572
chr18	37854605	37854660	Mir6979	**0.16251**	38
chr6	131219235	131247362	Klra2	**0.32178**	2534
chr7	120982509	121014787	4933427G17Rik	**0.14614**	1149
chr2	25490845	25493911	Lcn12	**0.36459**	1090
chr11	62711486	62729093	Zfp287	**0.28614**	5999
chr1	173521311	173535957	BC094916	**0.38718**	2092
chr8	69832704	69872292	Pbx4	**0.19273**	1084
chr3	69222419	69223618	Arl14	**0.31314**	1569
chr15	75746843	75747922	Mafa	**0.24393**	1100
chr9	45318266	45322079	1700003G13Rik	**0.2978**	807
chr11	89300638	89302559	Nog	**0.32397**	2600
chr3	103966621	103968257	Phtf1os	**0.24836**	1569
chrX	71963021	71972728	Prrg3	**0.19897**	4900
chr6	71373427	71379171	Cd8a	**0.63393**	8285
chr18	36763709	36766214	Dnd1	**0.42744**	2554
chr13	68597439	68614231	1700001L19Rik	**0.30466**	2300
chr17	43801851	44039516	Rcan2	**0.21857**	3520
chr17	28066747	28080639	Tcp11	**0.20637**	1757
chr10	96226207	96248708	4930459C07Rik	**0.21568**	1087
chr15	83226722	83251774	A4galt	**0.14314**	1300
chr7	143021784	143053686	R74862	**0.19741**	3181
chr18	37341702	37345207	Pcdhb7	**0.27324**	4000
chr16	30021842	30039479	9030404E10Rik	**0.31694**	1600
chr1	175632193	175660853	Kmo	**0.16298**	1700
chr19	36554639	36619417	Hectd2	**0.28926**	3679
chr12	85086814	85106431	Prox2	**0.19341**	2166
chr3	108458069	108536522	5330417C22Rik	**0.14747**	2048

chr7	139103638	139213274	Stk32c	**0.22385**	2047
chr7	143005046	143019485	Tspan32	**0.19673**	1500
chr7	44731482	44748391	Zfp473	**0.26213**	4400
chr15	84785376	84856129	Phf21b	**0.21122**	3287
chr5	69516670	69542647	Yipf7	**0.19627**	999
chr4	134102583	134126780	Ubxn11	**0.20304**	1337
chr19	6400583	6415216	Rasgrp2	**0.20367**	1865
chr17	23917458	23919441	Dcpp3	**0.35335**	900
chr2	122426477	122461130	Slc28a2	**0.23925**	3900
chr11	48985329	48992246	Tgtp1	**0.68207**	8000
chr10	4266329	4359471	Akap12	**0.20303**	5296
chr15	4020111	4027406	BC037032	**0.16878**	2960
chr17	34039437	34066242	Col11a2	**0.134**	3136
chr5	24364819	24384180	Nos3	**0.17582**	2811
chr11	59542686	59566956	Nlrp3	**0.17272**	2900
chr13	80940403	80948597	5430425K12Rik	**0.19324**	1011
chr3	65527485	65529414	4931440P22Rik	**0.24593**	1718
chr6	87104746	87113003	D6Ertd527e	**0.34413**	3200
chr11	108425266	108860615	Cep112	**0.33872**	5308
chr5	116040534	116083246	Tmem233	**0.20288**	593
chr9	106222598	106226876	Tlr9	**0.21389**	3100
chr13	58392779	58392886	Mir7-1	**0.57877**	261
chr12	84146131	84148489	Pnma1	**0.13502**	1330
chr6	127149389	127212419	9330179D12Rik	**0.35651**	2224
chr6	67036599	67080652	E230016M11Rik	**0.24279**	1545
chr8	84148038	84172597	4930432K21Rik	**0.17093**	1780
chr16	91688898	91715755	Gm10785	**0.18679**	1290
chr6	48895255	48909187	Aoc1	**0.54979**	6600
chr7	44225437	44229617	Klk1	**0.1367**	500
chr10	121641701	121693914	D930020B18Rik	**0.13005**	1861
chr4	149449702	149454968	Rbp7	**0.24191**	600
chr6	7997808	8192617	Col28a1	**0.18961**	3349
chr9	64385626	64709205	Megf11	**0.18358**	5083
chr15	82370527	82380260	Cyp2d22	**0.35699**	4132
chr1	52008244	52107184	Stat4	**0.28392**	3534
chr12	26442743	26456452	Rsad2	**0.4719**	7458
chr3	49743296	49757316	Pcdh18	**0.14718**	3176
chr19	9985172	10001633	Best1	**0.35257**	3065
chr10	19622028	19634681	Il22ra2	**0.47258**	4870
chr7	30121948	30135032	Zfp382	**0.15322**	1403
chr15	54745928	54753761	Nov	**0.23068**	2278
chr7	63444772	63759027	Otud7a	**0.17299**	2500
chr13	24582189	24733806	Fam65b	**0.15785**	4857
chr17	25877628	25880858	Wfikkn1	**0.19794**	2096
chr9	72958785	72973067	Dyx1c1	**0.19372**	1600
chr11	50832031	50841552	Zfp879	**0.28705**	2891
chr14	52016865	52019787	Tmem253	**0.31647**	1332

chr11	54303824	54361539	Acsl6	**0.15231**	1955
chrX	136200951	136203851	Tceal5	**0.165**	700
chrX	123103559	123143293	3110007F17Rik	**0.2827**	1086
chr18	60912240	60917768	Arsi	**0.50179**	3608
chr5	129794561	129794676	Snora15	**0.21059**	102
chr7	121083438	121163089	Otoa	**0.17373**	2647
chr4	120930137	120951701	Zfp69	**0.1863**	1839
chr1	46066738	46373550	Dnah7b	**0.23591**	12134
chr9	48654297	48835945	Zbtb16	**0.3465**	7399
chr18	37307455	37311173	Pcdhb4	**0.12879**	2000
chr2	18028239	18030577	Gm17762	**0.12676**	1238
chr11	102881244	102885168	Ccdc103	**0.169**	1237
chr18	23310020	23659719	Dtna	**0.16083**	4964
chrX	139779681	139782353	Ripply1	**0.16295**	462
chr7	59982501	59983277	Snurf	**0.24658**	800
chr11	116216002	116220287	Cdk3-ps	**0.26853**	1600
chr1	34535648	34544311	Cfc1	**0.28933**	1254
chr10	128085286	128085363	Mir677	**0.42986**	140
chr10	77897576	77902536	Lrrc3	**0.22299**	3999
chr10	130322852	130362642	Tespa1	**0.17955**	1270
chr5	98854439	98880960	Bmp3	**0.23849**	3099
chr2	72745846	72813717	6430710C18Rik	**0.12807**	1100
chr19	60755987	60759914	Nanos1	**0.26827**	4400
chr9	95706629	95750358	Trpc1	**0.14169**	1782
chr3	116562973	116583134	Lrrc39	**0.19117**	3612
chr2	83812728	83881358	Fam171b	**0.20619**	2922
chr9	44511787	44526421	Cxcr5	**0.15798**	1725
chr11	104550663	104587219	Myl4	**0.34473**	1271
chr13	28460034	28885422	2610307P16Rik	**0.22045**	2500
chrX	136742957	136803361	BC065397	**0.19254**	2518
chr19	5891138	5894107	Tigd3	**0.14721**	1300
chr8	105131800	105150109	Ces4a	**0.40358**	4100
chr17	8293366	8311102	4930506C21Rik	**0.18222**	649
chr19	7092011	7105729	Flrt1	**0.12669**	3101
chr11	120646031	120648337	Myadml2	**0.2807**	1301
chr6	137252299	137464633	Ptpro	**0.13355**	3763
chr9	62677855	62783979	Itga11	**0.13791**	2843
chr13	49504810	49532789	Ecm2	**0.21119**	3171
chr2	28955481	29055066	1700101E01Rik	**0.27268**	1060
chr8	12706944	12719127	Gm15348	**0.16945**	2586
chr6	113392497	113414571	Ttll3	**0.13079**	1700
chr17	14978864	14991577	9030025P20Rik	**0.20447**	1810
chr8	93810838	93969388	Gnao1	**0.18758**	6056
chr2	25563115	25571316	Mamdc4	**0.15234**	2538
chr14	70520942	70524081	Sftpc	**0.14912**	500
chr7	3836810	3845051	Pira2	**0.1722**	499
chr17	48264295	48275358	Treml4	**0.13724**	1000

chr1	171767132	171801184	Slamf1	**0.16037**	1800
chr15	76294434	76296896	Smpd5	**0.18647**	1280
chr2	71529445	71533980	Dlx1	**0.19629**	1413
chr1	86351170	86351285	Snora75	**0.20646**	100
chr2	180622186	180642691	Tcfl5	**0.21576**	1782
chr1	59989068	60043087	Ica1l	**0.25583**	3899
chr10	70925096	71159634	Bicc1	**0.16651**	2156
chr11	102576399	102579119	Gm11627	**0.13973**	395
chr8	123117374	123135185	Cpne7	**0.1658**	1665
chr13	60895351	60897447	Ctla2b	**0.46398**	1639
chr11	58183843	58190198	Gm12250	**0.9125**	10295
chr17	47687610	47691092	Tomm6os	**0.14862**	1238
chr3	94413318	94431499	Tdrkh	**0.15364**	1700
chr12	20804392	20815779	1700030C10Rik	**0.12502**	900
chr18	65698268	65751537	Oacyl	**0.18267**	2617
chr5	43151686	43235354	Gm7854	**0.17365**	939
chrX	143802237	143827412	Capn6	**0.15503**	2300
chrX	75725458	75764699	4933407K13Rik	**0.16181**	2281
chr3	107438303	107458898	Kcnc4	**0.2569**	3232
chr11	50872723	50887443	Zfp454	**0.15143**	1300
chrX	136981116	137038302	Slc25a53	**0.19245**	2618
chr1	152955101	153119261	Nmnat2	**0.21773**	4112
chr14	23298694	24004205	Kcnma1	**0.16804**	5498
chr17	43389466	43459557	Gpr116	**0.17602**	6273
chr18	61687935	61692537	Il17b	**0.31148**	900
chr1	87147655	87156356	Ecel1	**0.28362**	3535
chr11	61343400	61378075	Slc47a1	**0.12684**	1395
chr13	34652923	34666774	LOC101056149	**0.20744**	945
chr5	105014153	105053561	Gbp8	**0.32909**	3379
chr11	32000419	32059211	Nsg2	**0.22213**	2200
chr11	61022564	61073267	Kcnj12	**0.12734**	2598
chr11	78394485	78405657	Slc13a2os	**0.27316**	3416
chr18	63010213	63387183	Piezo2	**0.17102**	7658
chr11	17051934	17079372	Cnrip1	**0.23342**	1500
chr2	43748824	44395953	Arhgap15	**0.17859**	4252
chr10	81704825	81881086	Zfp433	**0.15586**	3103
chr6	50566643	50594865	5430402O13Rik	**0.25662**	1079
chr15	79251016	79254748	Slc16a8	**0.1836**	1373
chr13	49582747	49592609	Omd	**0.30761**	2249
chr5	30950066	30950248	Abhd1	**0.32717**	250
chr18	34207775	34221772	Gm10548	**0.27329**	3000
chr14	56059744	56062310	Mcpt4	**0.2661**	1100
chr6	143828425	144209568	Sox5	**0.17308**	5298
chr16	33016030	33056186	Iqcg	**0.13734**	1300
chr2	93029348	93033445	4631405J19Rik	**0.1784**	917
chr5	137553555	137569573	Actl6b	**0.19586**	1266
chr3	84593574	84597032	Tigd4	**0.20771**	3000

chr11	48946411	48979303	9930111J21Rik1	**0.28**	2502
chr1	33852052	33907621	Bend6	**0.22988**	2200
chr5	98929773	99037079	Prkg2	**0.18069**	3543
chr8	105289924	105296098	Exoc3l	**0.19844**	2069
chr15	98985965	98989281	4930578M01Rik	**0.20464**	775
chr6	124624625	124636085	C1s2	**0.15294**	1700
chr5	45668701	45669708	1600023N17Rik	**0.21383**	900
chr6	49085218	49214954	Igf2bp3	**0.179**	3249
chr5	138225904	138251875	Nxpe5	**0.21753**	2100
chr2	167690759	167697413	A530013C23Rik	**0.20638**	1907
chrX	73892102	73894351	Avpr2	**0.13445**	974
chr8	70072924	70080066	Tm6sf2	**0.13697**	827
chr8	94152607	94154148	Mt3	**0.22258**	500
chr7	114745766	114850380	Insc	**0.19605**	1900
chr14	26894604	26915257	Asb14	**0.15225**	1281
chr6	84008598	84211059	Dysf	**0.26731**	7889
chr16	21891969	21931877	Map3k13	**0.13772**	3858
chr5	33983474	33985006	Gm1673	**0.33495**	600
chr7	105425820	105436338	Cckbr	**0.18326**	1900
chr13	76384961	77031810	Mctp1	**0.21219**	3800
chr5	147330742	147400489	Flt3	**0.13101**	2000
chr3	96282909	96293969	Fcgr1	**0.23126**	2500
chr11	58608206	58613492	2210407C18Rik	**0.40024**	1469
chr7	44253087	44257204	Acpt	**0.26573**	1418
chr2	104886324	104999656	Ccdc73	**0.18822**	3036
chr10	61297836	61304263	Prf1	**0.18178**	1559
chr6	129831154	129876672	Klra17	**0.30521**	1500
chr1	74601455	74636893	Stk36	**0.13654**	2984
chr14	32785963	32817968	1810011H11Rik	**0.17153**	1055
chr5	139907943	139974724	Elfn1	**0.18115**	2900
chr18	32939041	33195767	Camk4	**0.15895**	8184
chr9	21032038	21039036	Icam5	**0.14336**	1785
chr10	75589381	75616968	Ggt5	**0.22948**	3964
chr4	116589733	116597630	C530005A16Rik	**0.30124**	2083
chr15	77698889	77719288	Apol7e	**0.22583**	2100
chr5	96373955	96784728	Fras1	**0.2312**	15299
chr6	135237330	135254336	Gsg1	**0.27285**	1693
chr3	141837136	142169228	Bmpr1b	**0.19717**	4593
chr10	120857629	120863328	Gm15910	**0.13694**	1700
chr13	62129890	62173936	Zfp808	**0.22303**	2900
chrX	73074345	73082507	Xlr4a	**0.22401**	1114
chr19	42036038	42045110	Ankrd2	**0.19595**	900
chr7	132315664	132318291	Gm10584	**0.16106**	1694
chr3	54755582	54801269	Smad9	**0.14686**	3299
chr4	63724603	63745113	Tnfsf15	**0.16433**	3999
chr7	62417593	62420139	Mkrn3	**0.19652**	2090
chr3	96219916	96220353	Hist2h2ab	**0.15911**	291

chr6	55451978	55501455	Adcyap1r1	**0.15723**	4100
chr10	41914990	42018382	Armc2	**0.20956**	4257
chr5	113075839	113081584	Crybb3	**0.29131**	922
chr8	123235091	123242355	4933417D19Rik	**0.13435**	667
chr2	26637847	26637985	Snora43	**0.46175**	268
chr7	7130678	7136755	Zfp773	**0.18209**	2300
chr4	124855243	124862171	Maneal	**0.20844**	2370
chr14	51007751	51010758	Rnase10	**0.18699**	1300
chr19	57323197	57360899	B230217O12Rik	**0.21461**	1751
chr10	44170447	44219585	Speer5-ps1	**0.23603**	1500
chr16	11008898	11015184	Gm4262	**0.14485**	1200
chr2	126320973	126491553	Atp8b4	**0.15594**	3600
chrX	135839034	135844730	Gprasp2	**0.18191**	2900
chr18	37400855	37403909	Pcdhb9	**0.2195**	2800
chr2	93642434	93681339	Alx4	**0.138**	2998
chr17	10319919	10321141	B930003M22Rik	**0.23499**	1200
chr10	75316877	75334792	Adora2a	**0.21153**	2300
chr19	43675178	43677170	BC037704	**0.22832**	1900
chr7	109998377	110006646	1600010M07Rik	**0.15551**	400
chr8	105518746	105523988	Hsd11b2	**0.20931**	1616
chr16	38902345	39027157	Igsf11	**0.16144**	2300
chr1	75375297	75432304	Speg	**0.12819**	6382
chr12	24665838	24681795	Cys1	**0.24148**	1822
chr6	5725639	6028039	Dync1i1	**0.12821**	1500
chr1	162916551	162937225	Fmo6	**0.38921**	3039
chr3	59216271	59262831	P2ry12	**0.19463**	1900
chr11	50921786	50931635	Zfp354b	**0.2296**	2391
chr8	104446719	104509887	Ccdc79	**0.22317**	2749
chr3	95386458	95402841	4930558C23Rik	**0.25483**	781
chr4	134211968	134227383	Catsper4	**0.15379**	1109
chr17	24719676	24719832	Snora78	**0.35542**	233
chr17	34238905	34245908	H2-Ob	**0.14334**	1598
chr14	123660140	123974079	Itgbl1	**0.21338**	2100
chr4	154026644	154042677	Ccdc27	**0.18582**	1617
chr8	84901928	84905295	Klf1	**0.15612**	1000
chr1	161987302	162478034	Dnm3	**0.18646**	5857
chr13	58004957	58102428	Klhl3	**0.15351**	1373
chr17	31152752	31163052	LOC102631757	**0.19707**	1208
chr11	116280939	116283938	Galr2	**0.37035**	3000
chr2	145701195	145753672	BC039771	**0.1379**	1200
chr17	49615172	49909847	Kif6	**0.17819**	2625
chr6	136828843	136840557	BC049715	**0.24178**	1055
chr11	113619481	113625895	Sstr2	**0.18587**	1189
chr17	27091245	27091311	Mir7677	**0.18587**	52
chr12	41451668	41486057	Lrrn3	**0.1837**	2700
chr7	30865404	30880342	Cd22	**0.16467**	2989
chr5	52607550	52619011	8030423F21Rik	**0.19201**	2285

chr16	42907645	43619123	Zbtb20	**0.21884**	3042
chr11	74619605	74641516	E130309D14Rik	**0.16158**	2700
chr11	99948475	99949551	Krtap9-5	**0.1372**	617
chr7	4504570	4515975	Tnnt1	**0.24555**	1053
chr1	171250422	171259922	Adamts4	**0.14795**	2269
chr6	54452883	54503768	Wipf3	**0.13672**	2400
chr9	77102084	77347870	Mlip	**0.16201**	828
chr5	37735519	37739820	Cytl1	**0.36883**	1500
chr2	165395450	165400394	Ocstamp	**0.18366**	1500
chr11	106377656	106382641	Icam2	**0.31457**	1500
chr8	84208672	84208758	Mir27a	**0.6469**	235
chr2	130801966	130804101	Gm14057	**0.22256**	1985
chr12	4862438	4874359	Mfsd2b	**0.14561**	1900
chr18	37736936	37739543	Pcdhga9	**0.14546**	1584
chr14	104462325	104467999	Pou4f1	**0.1388**	2200
chr10	84547417	84553338	C330046G13Rik	**0.16822**	937
chr8	70895508	70895570	Mir7067	**0.80971**	213
chr12	76444497	76448698	Gm10451	**0.29447**	1098
chr18	44661665	44676271	A930012L18Rik	**0.14036**	1052
chr7	104218795	104235152	Trim6	**0.23636**	3777
chr14	58072686	58112720	Fgf9	**0.17087**	2953
chr3	146149833	146195511	Mcoln2	**0.17964**	1999
chr1	93135240	93145421	Agxt	**0.16778**	1088
chr13	67729262	67756838	Zfp85os	**0.17067**	2021
chr3	87376387	87392133	Fcrl1	**0.15071**	1285
chr15	79258195	79285509	Baiap2l2	**0.16182**	1400
chr11	62604530	62604586	Snord65	**0.45377**	108
chrX	73033981	73037103	Pnma5	**0.30316**	2895
chr2	160311401	160327494	Gm826	**0.20653**	946
chr15	102150575	102163436	Soat2	**0.2467**	2190
chr18	37435621	37438654	Pcdhb12	**0.25859**	3276
chr15	85581142	85593708	AU022754	**0.19221**	2358
chr14	20702012	20703026	6230400D17Rik	**0.24445**	1036
chr3	32817626	32935257	Usp13	**0.1431**	2800
chr2	76703984	76982547	Ttn	**0.14115**	61485
chr2	165111507	165234737	Cdh22	**0.15361**	2300
chr4	137159082	137165066	Gm13003	**0.15669**	1900
chr4	24973419	25009233	Gpr63	**0.20524**	2031
chr2	31806168	31810518	Qrfp	**0.14488**	1732
chr7	127017542	127021211	Prrt2	**0.18544**	1928
chr4	150119344	150144168	Slc2a5	**0.15471**	2000
chr3	105973802	105987423	Ovgp1	**0.12871**	1357
chr10	79531029	79531090	Mir6909	**0.17382**	45
chr8	123212858	123222045	Spata33	**0.23949**	518
chr17	45732864	45733844	1600014C23Rik	**0.32364**	700
chr5	142702101	142722490	Slc29a4	**0.27478**	3200
chrX	85870273	85891499	5430427O19Rik	**0.22013**	3525

chr15	98708227	98723333	Ccdc65	**0.14099**	1105
chr5	87666208	87682577	Csn1s1	**0.18642**	1117
chr6	83034224	83052564	Loxl3	**0.19507**	2863
chr2	121453482	121456764	Serinc4	**0.21958**	1158
chr19	36621136	36689479	1500017E21Rik	**0.13649**	538
chr1	85246344	85270566	C130026I21Rik	**0.56793**	4674
chr6	48746197	48754200	Gimap5	**0.17256**	1400
chr10	97607205	97613688	Kera	**0.14738**	1200
chr10	105574551	105583870	Gm15663	**0.33494**	4481
chr10	78030022	78043610	Aire	**0.15095**	1277
chr1	110889195	110977372	Cdh19	**0.15974**	2037
chr13	36725622	36734477	Nrn1	**0.17718**	1200
chr14	75016027	75052532	5031414D18Rik	**0.24193**	2678
chr4	126286794	126314330	Col8a2	**0.45239**	8181
chr16	32271609	32274779	Smco1	**0.35876**	1898
chr17	74426295	74459108	Nlrc4	**0.19681**	3154
chr16	10420559	10447350	Tvp23a	**0.12751**	1495
chr15	100761747	100823971	Slc4a8	**0.14165**	6975
chr5	112385445	112392213	Asphd2	**0.166**	1100
chr16	66655421	67620908	Cadm2	**0.14959**	5814
chr15	74709161	74710374	4933427E11Rik	**0.14731**	700
chr9	73479424	73933567	Unc13c	**0.21089**	7114
chr2	157560078	157562525	Nnat	**0.20005**	1116
chr4	111972927	111988221	Skint7	**0.16306**	1583
chr14	52209786	52209884	Snord8	**0.38948**	161
chr17	22776230	22817747	Gm16386	**0.1638**	2887
chr17	23972127	23975230	Prss30	**0.23705**	1454
chr11	116330704	116335354	Foxj1	**0.13582**	1462
chr16	28158584	28753243	Fgf12	**0.18959**	5858
chr15	101624028	101628188	Gm5414	**0.18767**	1300
chr13	33084103	33094380	Serpinb1b	**0.23698**	1700
chr5	120876142	120887598	Oas1g	**0.64445**	5363
chr16	42248561	42340651	Gap43	**0.16549**	899
chr2	118277098	118373419	Gpr176	**0.20208**	3300
chr7	142544609	142558598	Nctc1	**0.14783**	1300
chr2	164698501	164702448	Spint4	**0.19262**	600
chr4	119637732	119639465	Guca2a	**0.14498**	339
chr6	142821541	142964452	St8sia1	**0.14368**	5307
chr13	107469822	107479188	AI197445	**0.21584**	5056
chr17	3557824	3559863	1700102H20Rik	**0.34031**	800
chr5	67607883	67613987	Shisa3	**0.15949**	2500
chr2	155097791	155100079	2310005A03Rik	**0.16184**	942
chr17	80944632	81001816	Tmem178	**0.15533**	1100
chr1	130670202	130681571	C4bp-ps1	**0.15596**	491
chr11	6658621	6677475	Ramp3	**0.50054**	2368
chr11	109354778	109363654	Gm11696	**0.20156**	2200
chr6	129532184	129532942	1700101I11Rik	**0.1849**	586

chr15	82070117	82126814	Mei1	**0.17402**	2900
chr11	67171027	67197517	Myh2	**0.21252**	5398
chr15	79041885	79043558	Galr3	**0.18328**	675
chr6	4903320	5165661	Ppp1r9a	**0.14048**	5600
chr10	40683282	40811083	Mettl24	**0.1723**	1100
chr2	85647363	85648319	Olfr1002	**0.15015**	600
chr10	57631981	57741112	Pkib	**0.38614**	9737
chr6	83441755	83448322	B230319C09Rik	**0.24601**	1735
chr9	62858104	62875917	Calml4	**0.21916**	787
chr11	96265164	96265265	Mir196a-1	**0.21836**	93
chr2	104559184	104571429	4930500J02Rik	**0.2717**	1299
chr13	23551286	23551643	Hist1h4f	**0.12911**	193
chr7	119526265	119543360	Acsm5	**0.18123**	1885
chr17	67630965	67632723	Lrrc30	**0.14977**	1100
chr5	31569592	31571397	AI839979	**0.30523**	1495
chr6	123049962	123071555	Clec4b1	**0.15274**	500
chr5	135747220	135778385	Styxl1	**0.15126**	1092
chr10	42860512	42960782	Scml4	**0.13123**	2600
chr18	37674335	37676907	Pcdhga3	**0.13031**	1400
chr14	56010292	56011480	Gm5801	**0.23647**	1174
chr5	29735334	29735897	Gm5129	**0.16985**	400
chr9	113977202	114026751	Fbxl2	**0.12934**	1598
chr11	88098058	88100107	2210416O15Rik	**0.17091**	932
chrX	103493576	103506425	Jpx	**0.17721**	2800
chr11	103198944	103208548	1700023F06Rik	**0.31**	1552
chr8	95017692	95045249	Gpr97	**0.12613**	1284
chr2	109674700	109727043	Bdnf	**0.13801**	3699
chr2	179442478	179899375	Cdh4	**0.16681**	4418
chr3	65109368	65378225	Kcnab1	**0.1779**	2582
chr14	121911434	121915774	Gpr18	**0.18282**	1000
chr3	84174638	84175193	Gm6525	**0.16971**	394
chr5	25499797	25504473	4831440E17Rik	**0.13314**	2600
chr2	84432860	84476775	Tfpi	**0.12672**	2000
chr6	39118473	39148312	4930599N23Rik	**0.21526**	533
chr15	77524867	77533315	Apol7c	**0.2109**	1800
chrX	42502608	42522075	Sh2d1a	**0.15878**	543
chr7	144175520	144422675	Shank2	**0.14239**	4179
chr4	129491190	129491956	Fam229a	**0.16438**	383
chr7	7212996	7278289	Vmn2r29	**0.22061**	3506
chr7	30818357	30823775	Ffar2	**0.20275**	2246
chr11	34314822	34422640	Fam196b	**0.16052**	3600
chr7	19276807	19280049	Ppm1n	**0.1762**	1200
chr16	17894203	17895653	Tssk1	**0.14855**	900
chr11	68943154	68956858	Arhgef15	**0.13277**	2293
chr11	110025634	110095937	Abca8a	**0.15778**	3700
chr6	147075062	147087032	Mansc4	**0.15632**	733
chr17	78883938	78906992	Sult6b1	**0.25402**	2185

chr4	62525369	62547993	4933430I17Rik	**0.14359**	1069
chr7	45783947	45804142	Lmtk3	**0.12544**	2634
chr13	116298270	116309688	Isl1	**0.14212**	1499
chr11	75513541	75526580	Scarf1	**0.15811**	1904
chr16	17113398	17125106	2610318N02Rik	**0.18917**	1000
chr18	37765580	37768540	Pcdhga12	**0.17794**	2200
chr2	130543791	130563749	4930473A02Rik	**0.25722**	1204
chr2	119519404	119547627	Exd1	**0.17046**	2237
chr1	150562502	150993435	Hmcn1	**0.14144**	10816
chr12	4746216	4769267	Fam228b	**0.13825**	1666
chr7	18813937	18821591	Psg17	**0.1379**	1200
chr7	106595549	106644645	Gm1966	**0.12801**	4800
chr15	7206120	7398390	Egflam	**0.14209**	2900
chr7	26307192	26315088	Cyp2a4	**0.15361**	1100
chr3	8461387	8463098	Gm6194	**0.13891**	993
chr7	105591611	105600116	Hpx	**0.14564**	900
chrX	168795099	169304440	Arhgap6	**0.14124**	3689
chr16	10324105	10331285	Gm1600	**0.16071**	3013
chr7	45621811	45627242	Izumo1	**0.1333**	831
chr11	87578389	87590539	Sept4	**0.21741**	1684
chr18	46558231	46574533	Ticam2	**0.19811**	2700
chrX	23219271	23365082	Klhl13	**0.1768**	2600
chr17	31944769	32034508	Hsf2bp	**0.17525**	2098
chr2	91237146	91238357	A330069E16Rik	**0.18794**	700
chr9	78395777	78423589	Ddx43	**0.19732**	1820
chr8	41191434	41215156	Fgl1	**0.21383**	1000
chr3	108093066	108101430	Gnat2	**0.13492**	1000
chr3	60081869	60087566	Sucnr1	**0.15245**	1000
chr17	36923792	36933432	1700031A10Rik	**0.18254**	500
chr17	53398889	53463321	Efhb	**0.23238**	2582
chr4	131899478	131920029	Gm12992	**0.1991**	3593
chr13	66996818	67032405	4933433G19Rik	**0.17286**	703
chr16	36221562	36257427	2010005H15Rik	**0.22679**	500
chr16	48734690	48771956	Trat1	**0.34873**	996
chr11	52154876	52157907	Olfr1372-ps1	**0.13546**	1000
chr12	87437679	87437757	Mir3068	**0.16977**	56
chr2	152143609	152149096	Tcf15	**0.12862**	500
chr9	43108653	43116570	Tmem136	**0.23935**	3498
chrX	56346400	56365674	Zfp449	**0.12814**	2000
chr6	122605403	122610071	Gdf3	**0.39745**	3500
chr10	86705811	86776843	BC030307	**0.18577**	3769
chr7	48642863	48643801	Mrgprb3	**0.42899**	1682
chr19	8850785	8853909	Lrrn4cl	**0.22252**	2400
chr1	106152625	106171524	Gm20753	**0.16259**	370
chr17	34670535	34719815	Tnxb	**0.22973**	9179
chr6	58905233	58907126	Nap1l5	**0.16438**	1300
chr15	73694607	73707505	Gpr20	**0.16779**	1500

chr1	83255781	83408200	Sphkap	**0.12997**	3534
chr19	58795751	58860984	Hspa12a	**0.18376**	4399
chr3	51559757	51567116	5031434O11Rik	**0.43629**	1308
chr2	21180731	21205365	Enkur	**0.21972**	1100
chr1	164115264	164150026	Selp	**0.14864**	1862
chr3	75557533	75642523	Serpini1	**0.13759**	1800
chr13	3478303	3492398	2810429I04Rik	**0.1396**	341
chr18	59175340	59411336	Chsy3	**0.17274**	2800
chr16	44820728	44839150	Cd200r4	**0.22287**	1582
chr16	78250863	78255454	E330011O21Rik	**0.27536**	1090
chr8	84173733	84176552	Nanos3	**0.2595**	791
chr18	37720554	37722917	Pcdhgb4	**0.19248**	1900
chr1	134193448	134198560	Mybph	**0.22574**	1100
chr12	102948859	103183997	Unc79	**0.15266**	5654
chr7	26808927	26821197	Cyp2g1	**3.32781**	25748
chr9	115909455	116076176	Gadl1	**0.64817**	9884
chr2	58567334	58792971	Upp2	**0.13312**	2026
chr4	127169204	127237022	Dlgap3	**0.2948**	5378
chr14	64075443	64085389	Prss55	**0.14157**	600
chr5	34915915	34923839	Msantd1	**0.12862**	1500
chr2	118772769	118778164	Phgr1	**0.31076**	702
chr8	84001706	84004770	1700067K01Rik	**0.13212**	598
chr11	97098007	97115331	Tbx21	**0.13101**	1396
chr2	25653118	25656216	Lcn8	**0.34601**	942
chr9	108578826	108597600	P4htm	**0.17201**	1300
chr7	19678084	19681460	Apoc4	**0.1387**	300
chr10	6886365	7023185	Ipcef1	**0.14697**	5015
chr16	56724609	56795858	Gpr128	**0.20323**	2292
chr7	6705960	6730419	Peg3	**0.12908**	3104
chr6	128778485	128788641	Klrb1c	**0.14559**	1600
chr5	143164779	143165751	Rbakdn	**0.42637**	940
chr8	24584133	24596952	Ido1	**0.13523**	1000
chr11	7063489	7178505	Adcy1	**0.17975**	9200
chr4	104367538	104744844	Dab1	**0.28779**	7067
chr2	52038113	52056681	Tnfaip6	**0.19447**	1300
chr13	112987802	112990778	Ccno	**0.15179**	1189
chr9	41206155	41217627	1700063D05Rik	**0.24118**	714
chr6	130218605	130233322	Klra7	**0.3329**	1700
chr4	82065380	82102807	Gm5860	**0.1333**	600
chr17	28896395	28915324	4930539E08Rik	**0.16753**	3152
chr7	28774899	28781514	Gm19897	**0.12659**	777
chr17	25366333	25368092	Tpsb2	**0.37421**	1700
chr2	92408892	92432308	D930015M05Rik	**0.14425**	627
chr11	117077348	117077457	Mir6516	**0.31787**	146
chr8	25302650	25306270	5430421F17Rik	**0.12522**	1200
chr8	104534700	104550343	Car7	**0.1779**	1600
chr2	45111138	45114084	Zeb2os	**0.27656**	1216

chr7	101552453	101560865	Art2a-ps	**0.18228**	943
chr7	28540885	28542210	Sycn	**0.17199**	400
chr7	100882306	100882409	Mir3102	**0.15659**	68
chrX	96306867	96357240	Hsf3	**0.15873**	1307
chr10	79970724	79977119	Grin3b	**0.17609**	2355
chr7	43745466	43755936	2310002F09Rik	**0.35361**	3771
chr8	93256236	93279736	Ces1f	**0.13544**	1083
chr17	24804382	24839787	Meiob	**0.21094**	1500
chr12	99964499	100062682	Kcnk13	**0.14678**	1876
chr11	3309084	3320722	Gm11944	**0.16658**	546
chr1	177991435	178048291	Gm16432	**0.17022**	1182
chr3	96798763	96829351	Cd160	**0.21755**	2400
chr1	125676996	125873861	Gpr39	**0.18586**	1154
chr14	69171844	69175540	Nkx2-6	**0.41234**	1918
chr11	98551097	98558665	Zpbp2	**0.20149**	1278
chr5	72695978	72752777	Txk	**0.24773**	2527
chr16	97536081	97560901	Mx2	**0.22724**	2300
chr7	24970010	24970075	Mir7046	**0.6459**	178
chr7	4237754	4243463	Lilra5	**0.23427**	2063
chr6	48718621	48724636	Gimap7	**0.24534**	1300
chr11	116441325	116454347	Qrich2	**0.13525**	1221
chr5	86231481	86289308	Tmprss11c	**0.13346**	900
chr2	156714539	156720909	4930405A21Rik	**0.22361**	929
chr5	87513339	87538195	Sult1b1	**0.22726**	2471
chr19	34617051	34640743	2010002M12Rik	**0.23956**	3366
chr10	81459228	81482709	Celf5	**0.1258**	2306
chr3	94433388	94436651	Oaz3	**0.19785**	784
chr4	138316132	138316200	Mir7019	**0.26379**	76
chr18	36801763	36802107	Vaultrc5	**0.27767**	400
chr15	7810048	7837580	Gdnf	**0.14265**	2899
chr4	132219893	132220589	Rps15a-ps4	**0.27488**	800
chr9	28995964	29963129	Ntm	**0.13246**	1000
chr15	41865293	41869720	Abra	**0.12804**	942
chr17	25942233	25944931	Nhlrc4	**0.16779**	1500
chr15	92396810	92771819	Pdzrn4	**0.22915**	4099
chr14	55941451	55944661	Cma1	**0.26219**	1178
chr2	119325784	119335666	Dll4	**0.13019**	1758
chr16	20733127	20742384	Chrd	**0.13534**	1801
chr11	11280040	11462419	Zpbp	**0.12881**	2068
chr7	45126347	45126435	Snord35a	**0.85571**	318
chr11	120549975	120551132	Ppp1r27	**0.18541**	600
chr9	45939521	45939590	Mir7087	**0.45503**	133
chr19	20405288	20422785	1500015L24Rik	**0.1847**	600
chr6	41652770	41680723	Trpv5	**0.14489**	1573
chr7	44229930	44236122	1700028J19Rik	**0.20176**	1000
chr5	38706457	38876693	Clnk	**0.18951**	1255
chr6	136829931	136835450	Smco3	**0.2821**	2304

chr2	25676786	25681607	Lcn6	**0.17784**	600
chr7	140948962	140950239	Ifitm5	**0.12566**	372
chr14	51116553	51117791	Eddm3b	**0.17396**	900
chr5	73006904	73012955	Slc10a4	**0.14932**	1300
chr10	127195249	127202643	F420014N23Rik	**0.13203**	1241
chr10	127866476	127877319	BC089597	**0.19765**	1044
chr14	73025603	73026890	Gm9199	**0.20305**	1092
chr5	149119565	149182036	5730422E09Rik	**0.1719**	1231
chr3	30624267	30647818	Lrrc34	**0.13748**	1000
chr9	110763681	110769794	Myl3	**0.21282**	798
chr14	59276913	59297522	Phf11a	**0.33394**	1888
chr1	131019845	131024970	Il10	**0.12836**	700
chr17	55954771	55959401	Gm16712	**0.14443**	986
chr3	65324020	65349429	A730090N16Rik	**0.14217**	821
chr6	129578286	129585827	Klre1	**0.20093**	766
chr9	48591890	48605077	Nnmt	**0.15062**	600
chr17	6601671	6648946	Dynlt1f	**0.3422**	683
chr17	25780808	25780879	Mir6966	**0.21288**	64
chr1	151442393	151442450	Mir7682	**0.43769**	106
chr11	99907920	99908890	Krtap31-1	**0.17265**	700
chr5	35389117	35392872	Hmx1	**0.17787**	1120
chr9	107935920	107949691	Camkv	**0.14965**	1894
chr6	35312746	35326141	Fam180a	**0.18808**	1200
chr7	97412957	97417510	Thrsp	**0.20511**	889
chr16	11901364	11930594	Gm9961	**0.2661**	600
chr6	136954523	136963483	Pde6h	**0.22747**	530
chr12	49382883	49386867	Foxg1	**0.14424**	2400
chr2	164214454	164221663	Wfdc15b	**0.25034**	600
chr2	25080323	25085669	Entpd8	**0.23684**	2231
chr5	17962570	18019668	Gnat3	**0.19033**	933
chr19	36111965	36119844	Ankrd1	**0.16283**	1200
chr3	107291292	107312116	Slc16a4	**0.18616**	1700
chr4	134251110	134254106	Grrp1	**0.15628**	800
chr7	140093396	140097203	Prap1	**0.18212**	473
chr3	38203151	38208119	5430434I15Rik	**0.13337**	700
chr17	47699969	47701996	Frs3os	**0.14406**	471
chr17	30394825	30396180	Gm6402	**0.15895**	900
chr6	142298425	142303819	Iapp	**0.34459**	1000
chr7	45613890	45615490	Fgf21	**0.12645**	500
chr4	104766317	104804548	C8b	**0.14975**	1400
chr16	16868401	16869255	Vpreb1	**0.24947**	800
chr8	107551244	107551313	Mir140	**0.55083**	161
chr16	91465104	91470123	A930006K02Rik	**0.21548**	700
chr2	93421929	93422007	Mir7001	**0.31225**	103
chr10	34389981	34397085	Col10a1	**0.13742**	1796
chr17	57145997	57149777	Cd70	**0.18431**	648
chrX	103460373	103481274	Xist	**10.72911**	461032

chr11	99936291	99937225	Krtap31-2	**0.15368**	600
chr19	9557606	9559248	Stxbp3b	**0.14151**	595
chr7	48550966	48558086	Mrgprb2	**0.13832**	1199
chr3	108940084	108960776	Henmt1	**0.13486**	1200
chr7	30922372	30924181	Hamp2	**0.46035**	840
chr5	93206518	93213474	2010109A12Rik	**0.17481**	400
chr18	35964830	36014716	Psd2	**0.1413**	2717
chr13	34946614	34963809	Eci3	**0.13157**	673
chr7	19386643	19386706	Mir343	**0.23949**	64
chr14	57798424	57798487	Mir3077	**0.13471**	36
chr1	193507463	193507530	Mir205	**0.31345**	89
chr7	140777229	140787854	Syce1	**0.25194**	1538
chr4	156054896	156054985	Mir200a	**0.21288**	80
chr7	110046364	110046547	Snora23	**0.37095**	285
chr15	12171492	12171574	Mir1898	**0.27412**	95
chr3	157544279	157544349	Mir186	**0.23949**	71
chr2	30595044	30608945	Cstad	**0.14657**	500
chr2	175061549	175067769	Gm14393	**0.13208**	348
chr3	31038966	31039028	Mir7008	**0.23569**	62
chr3	88440879	88440951	Mir7011	**0.23949**	73
chr3	96240335	96245496	Hist2h2aa2	**0.47599**	159
chr3	96269700	96270192	Hist2h2bb	**0.19431**	400
chr4	40722917	40722921	Mir207	**0.23949**	5
chr4	56895229	56895298	Mir32	**0.2087**	61
chr7	25217668	25217725	Mir7048	**0.47898**	116
chr7	126367971	126368045	Mir7058	**0.55562**	174
chr8	21929813	21932710	Defb15	**0.14471**	200
chr8	21938352	21940878	Defb35	**0.22335**	249
chr9	21075497	21075584	Mir7082	**0.51436**	189
chr9	58221150	58221254	Mir6385	**0.22353**	98
chr10	81104614	81104615	Mir5615-1	**0.23949**	2
chr11	60202262	60202327	Mir6922	**0.27578**	76
chr11	65734733	65734832	Mir744	**0.36403**	152
chr11	82176666	82179812	Ccl1	**0.14227**	300
chr12	111406809	111412077	A230065H16Rik	**0.21871**	600
chr12	112920483	112920541	Mir6941	**0.13801**	34
chr14	115044157	115044263	Mir20a	**0.16563**	74
chr15	80082859	80082906	Snord43	**0.23949**	48
chr16	23108953	23109020	Snord2	**0.58816**	167
chr17	35439155	35439166	H2-Q7	**0.21953**	11
chr17	40574711	40574862	Esp5	**0.47898**	304
chr18	35557030	35557227	Snora74a	**0.24917**	206
chr18	60268301	60273267	Gm4841	**0.16877**	2000
chrX	74317362	74317429	Mir7092	**0.23949**	68

Chromosome	Start Position	Stop Position	Gene	2 year Female RPKM Value	2 year Female Raw Count
chr19	47854989	47864788	Gsto1	**5934.17947**	24281363
chr11	100131759	100135949	Krt15	**2327.21755**	14107355
chrX	167207094	167209218	Tmsb4x	**2406.67567**	5682933
chr19	44394450	44407709	Scd1	**6122.76895**	104376835
chr11	120729485	120732021	Cbr2	**2026.69222**	7292790
chr15	101707070	101712891	Krt5	**1544.32038**	11919600
chr9	78478454	78481724	Eef1a1	**2486.67272**	15678667
chr11	100203162	100207510	Krt14	**1684.50805**	9855107
chr11	100117596	100121495	Krt13	**392.34266**	1816942
chr2	85484092	85518935	4833423E24Rik	**2047.97934**	12162018
chr1	120113280	120121096	Dbi	**1554.196**	4080771
chr7	126623246	126625470	Nupr1	**2178.32045**	4805917
chrX	100402222	100442717	Awat2	**1990.29643**	14905854
chr3	92483954	92485881	Sprr1a	**1934.25772**	5385445
chr6	86628174	86629704	Asprv1	**1327.98511**	7165534
chr9	61913283	61914510	Rplp1	**1778.13193**	2932851
chr13	3802893	3804318	Calml3	**1185.81572**	5959597
chr7	18884690	18890438	Pglyrp1	**1750.54495**	4201463
chr19	44333326	44346743	Scd4	**1299.20328**	14066255
chr15	101918535	101924735	Krt4	**486.32103**	3655898
chr16	36359382	36367570	BC100530	**690.21537**	1072762
chr9	83778692	83806305	Elovl4	**1866.52675**	20090161
chr3	90612894	90614414	S100a6	**877.10122**	2222587
chr6	135362931	135383173	Emp1	**621.09557**	6667584
chr4	118428093	118432900	Elovl1	**2248.31291**	14960252
chr9	69453683	69491785	Anxa2	**975.90433**	4725787
chr7	28864386	28866284	Lgals7	**1614.86239**	3397739
chr4	106561038	106589113	Dhcr24	**2127.94605**	30208575
chr9	78191966	78209349	Gsta4	**585.94463**	1978346
chr5	36204021	36206567	Psapl1	**1460.73908**	13112387
chr6	115805556	115808743	Rpl32	**1202.81483**	1958488
chr15	101929332	101940324	Krt79	**1602.86689**	11846118
chr10	18845071	18857072	Perp	**992.43498**	6645625
chr19	20373434	20390671	Anxa1	**916.7386**	4507128
chr11	100256217	100260989	Krt17	**1328.46075**	7074461
chr10	78425670	78427622	Cstb	**1262.32038**	2678220
chr7	142375916	142387870	Ctsd	**1102.03298**	7589258
chr5	115559467	115563729	Rplp0	**946.65832**	4537455
chr11	61208742	61218416	Aldh3a1	**407.7353**	2292024
chr15	101733949	101743097	Krt71	**837.09777**	6413807
chr18	60774596	60778546	Rps14	**881.97128**	1855705
chr15	101689928	101694305	Krt6a	**503.16103**	4004157
chr9	64173387	64178562	Rpl4	**953.10081**	4776597
chr7	45125563	45128745	Rpl13a	**956.41624**	3458394
chr7	19696244	19699166	Apoe	**1609.98092**	7098363

chr10	80292431	80294114	Rps15	**848.01264**	1560102
chr15	76904071	76906318	Rpl8	**796.07534**	2418475
chr19	5344705	5349574	Cst6	**894.50669**	12455776
chr7	140967429	140969827	Ifitm1	**520.13103**	1539828
chr5	142903116	142906724	Actb	**697.2871**	4642199
chr8	64718145	64733578	Msmo1	**1246.82753**	8015145
chr11	48800360	48806241	Gnb2l1	**827.99967**	3659383
chr7	27119955	27133660	Cyp2f2	**659.57871**	4230758
chr4	41092724	41098183	Aqp3	**394.26291**	2449731
chr7	3704041	3706897	Rps9	**763.45628**	1891558
chr15	101676023	101680289	Krt6b	**288.96556**	2278202
chr10	81176631	81182509	Eef2	**841.21035**	9190655
chr7	12922311	12926686	Rps5	**737.7588**	1924094
chr4	86656565	86670059	Plin2	**966.23262**	6425897
chr11	99315844	99322941	Krt25	**694.36509**	4040314
chr3	138277645	138290691	Adh1	**563.12745**	2647541
chr13	64363214	64370306	Ctsl	**755.17526**	5245834
chr9	110281287	110281409	Mir6236	**412.78334**	178940
chr19	6906819	6909645	Prdx5	**638.19659**	1547473
chr4	4056666	4077514	Sdr16c6	**853.37932**	3548986
chr16	89487374	89487952	Krtap8-1	**696.13801**	1420542
chr8	19225478	19228209	Defb6	**800.315**	911053
chrX	100572247	100578206	Awat1	**775.69891**	3813709
chr14	73362232	73385271	Itm2b	**625.38385**	3905625
chr1	16101296	16104433	Rpl7	**591.43177**	1944762
chr7	45122388	45124389	Rps11	**627.10724**	1330511
chr6	138140537	138156752	Mgst1	**1243.83915**	4133863
chrX	102184943	102188371	Rps4x	**534.92674**	1651500
chr2	122147687	122153082	B2m	**880.84686**	2663593
chr3	93555117	93564645	S100a10	**385.87789**	883982
chr2	180257379	180258444	Rps21	**575.05874**	792445
chr3	59925214	59937949	C130079G13Rik	**906.93427**	8914654
chr3	90526849	90528835	S100a14	**538.98305**	2080029
chr17	45567778	45573261	Hsp90ab1	**668.98615**	5910873
chr7	141447650	141451342	Rplp2	**586.08104**	910912
chr10	128548110	128549168	Rpl41	**557.88625**	882820
chr11	99385256	99389364	Krt10	**17.47399**	128835
chr3	93520496	93526288	S100a11	**420.23456**	746453
chr18	67343564	67367794	Cidea	**790.41446**	3242560
chr17	33951999	33955641	Rps18	**517.27177**	955279
chr7	30787905	30791083	Krtdap	**424.24286**	681804
chr15	74762056	74763567	Ly6d	**435.97994**	1061756
chr8	64592551	64693040	Cpe	**631.32003**	4659147
chr11	99345566	99351094	Krt27	**431.22895**	2338981
chr9	50494525	50505639	Plet1	**480.37155**	2683408
chr3	92500263	92500493	Sprr4	**675.95721**	550315
chr2	164562716	164568506	Wfdc2	**1070.34403**	2670772

chr10	128083307	128090388	Atp5b	**667.42301**	4419856
chr6	11900373	11907446	Ndufa4	**477.49786**	827974
chr3	10012585	10016610	Fabp5	**853.1842**	2865602
chr14	63122462	63145149	Ctsb	**551.11438**	7709088
chr13	3837757	3838671	Calm4	**314.05376**	1012757
chr2	127633226	127656695	Mal	**235.36755**	2304406
chr7	99477897	99483709	Rps3	**493.12282**	3263855
chr15	101845426	101850786	Krt1	**6.45528**	55671
chr7	99153663	99182713	Dgat2	**715.09646**	5673098
chr1	107045587	107052303	Serpinb3a	**38.85716**	223086
chr6	125460266	125494755	Cd9	**535.63571**	2250225
chr16	89507703	89508323	Krtap7-1	**426.68576**	933856
chrX	36598225	36606079	Pgrmc1	**630.32303**	4083089
chr7	119442544	119459272	Gp2	**1984.69155**	13835647
chr14	34085979	34100568	Anxa8	**298.95394**	1979754
chr7	126795234	126800447	Aldoa	**591.57207**	3644427
chr6	148047416	148182760	Far2	**733.37246**	6616750
chr4	133600556	133602168	Sfn	**359.59895**	2044245
chr10	43579169	43584265	Cd24a	**496.02012**	3174646
chr10	128624529	128626506	Rps26	**409.75154**	646962
chr3	92122204	92123947	Prr9	**403.14973**	1680859
chr19	46131899	46135685	Elovl3	**841.85623**	5548297
chr9	43310763	43336125	Trim29	**384.31195**	3833103
chrX	36795652	36798806	Slc25a5	**474.40996**	2069925
chr3	90541223	90543151	S100a16	**369.19245**	1380538
chr16	56805161	56886163	Tmem45a	**356.72505**	3391999
chr19	9980600	9985111	Fth1	**333.9802**	1778547
chr3	93442330	93449077	Tchh	**329.88381**	6769989
chr17	33996012	34000333	H2-K1	**553.15606**	3208911
chr7	26835339	26843264	Cyp2a5	**106.02312**	640833
chr15	74955051	74959905	Ly6e	**400.47546**	3247676
chr11	100140811	100145919	Krt19	**218.99632**	1060483
chr3	86137940	86142668	Rps3a1	**372.98929**	1239619
chr2	73908447	73911326	Atp5g3	**532.66805**	1359175
chr11	120560304	120572936	P4hb	**449.62709**	4021835
chr7	29256330	29281977	Spint2	**341.54523**	1757443
chr18	84851414	84879863	Cyb5a	**405.19974**	1069624
chr8	84842088	84846931	Calr	**441.3182**	3022072
chr12	8921307	8938741	Laptm4a	**329.70173**	2473871
chr4	3834473	3835600	Rps20	**373.89352**	661503
chr2	94032697	94157909	Hsd17b12	**688.43648**	4461961
chr18	77773768	77782868	Atp5a1	**468.92257**	4017596
chr14	47373860	47386167	Lgals3	**281.36568**	1394237
chr3	87948693	87953372	Crabp2	**289.7961**	919211
chr12	8771396	8793687	Sdc1	**348.46853**	3753160
chr15	101412403	101427806	Krt7	**214.9377**	1201423
chr3	101576219	101604707	Atp1a1	**335.71935**	4380190

chr10	128490861	128493825	Myl6	**338.94766**	733468
chr3	93014205	93015686	Crct1	**370.57371**	936427
chr3	67478886	67515523	Rarres1	**332.4474**	1653218
chr15	74994877	74998031	Ly6a	**330.78223**	1168127
chr7	46845804	46855627	Ldha	**443.43886**	3016277
chr15	99392947	99410049	Tmbim6	**357.86326**	3535252
chr6	67534059	67535822	Tacstd2	**261.98278**	1628739
chr19	10870661	10881743	Tmem109	**491.99595**	3344829
chr4	115088708	115093894	Pdzk1ip1	**226.45505**	901065
chr17	35067325	35070048	Ly6g6c	**365.13139**	1235380
chr8	120668225	120674209	Cox4i1	**405.72078**	1092448
chrX	37082520	37085184	Rpl39	**330.72434**	459243
chr11	70651847	70654650	Pfn1	**380.90694**	1167934
chr9	44407714	44410406	Rps25	**316.91649**	539476
chr17	32452723	32493320	Cyp4f39	**477.53394**	4406097
chr14	24490681	24496146	Rps24	**289.2632**	892034
chr7	141392160	141402976	Taldo1	**357.50179**	1607715
chr15	74714839	74717065	Psca	**66.52598**	200699
chr5	115345654	115348955	Cox6a1	**379.52956**	712940
chr2	34772090	34776529	Hspa5	**363.77945**	3353946
chr2	143915331	143943324	Dstn	**298.93348**	2001743
chr19	7215158	7217616	Cox8a	**367.97632**	706800
chr7	43781054	43785410	Klk10	**333.06389**	1589375
chr7	30616974	30626151	Cox6b1	**359.42943**	639713
chr19	44203288	44244016	Scd3	**510.48592**	6243001
chr19	34592888	34601968	Gm14446	**213.05589**	1783353
chr7	30186942	30195048	Capns1	**246.12796**	1240444
chr7	30751471	30756134	Sbsn	**170.08169**	438782
chr2	174461075	174464101	Atp5e	**357.70439**	521921
chr2	148871732	148875468	Cst3	**338.1831**	884374
chr9	96332675	96364299	Atp1b3	**232.11319**	1497850
chr4	116636510	116651674	Akr1a1	**330.73373**	1648193
chr7	28893586	28962280	Actn4	**215.85107**	2646603
chr14	75845256	75848303	Tpt1	**342.63039**	1079552
chr13	119690351	119708260	Hmgcs1	**524.67737**	6614415
chr4	3995942	4019663	Sdr16c5	**454.68755**	2209823
chr19	34100943	34122548	Lipm	**199.03442**	1797163
chr1	63176831	63180486	Eef1b2	**291.15815**	1983540
chr10	60277628	60302600	Psap	**325.04963**	3130902
chr7	31071162	31076697	Fxyd3	**340.35691**	359862
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chr11	116021961	116024504	H3f3b	**319.90428**	2247023
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chr5	77086986	77115123	Hopx	**150.26656**	731898
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chrX	73686183	73716175	Bcap31	**314.94199**	1347502
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chr8	84969648	84974313	Prdx2	**226.13227**	750747
chr13	41763148	41847616	Adtrp	**291.72625**	2638228
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chr4	57943373	57956411	Txn1	**257.72836**	954652
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chr1	74236550	74268213	Arpc2	**196.6155**	1106631
chr14	34351882	34355393	Fam25c	**136.26378**	176249
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chr2	121413902	121438686	Pdia3	**261.56263**	2435503
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chr3	94884324	94886958	Psmb4	**243.98519**	816037

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chr19	5842302	5845478	Neat1	**141.66247**	1586179
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chr4	134127406	134128753	Sh3bgrl3	**176.81066**	440563
chr9	66060169	66063082	Ppib	**234.47396**	363603
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chr10	91116578	91123963	Slc25a3	**246.09562**	1311402
chr11	75732887	75765841	Ywhae	**221.44477**	1621777
chr8	83571698	83594491	Tecr	**298.47779**	1234981
chr6	120795244	120822685	Atp6v1e1	**233.41417**	990453
chr6	88724412	88828360	Mgll	**387.56176**	6321417
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chr19	55253369	55296628	Acsl5	**302.22897**	3356330
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chr1	72711260	72713813	Rpl37a	**170.45362**	353235
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chr19	9083642	9087956	Scgb1a1	**66.69273**	110003
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chr16	10281749	10313968	Emp2	**174.0775**	2110480
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chr1	135871395	135919024	Pkp1	**140.85137**	2226899
chr17	70973963	70990516	Myl12b	**155.73855**	515397
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chr5	17781690	17888959	Cd36	**187.86395**	2449108
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chr15	101349571	101370125	Krt80	**126.39988**	790279
chr4	137319696	137357759	Cdc42	**186.91284**	1978879
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chr13	55322055	55325167	Prelid1	**152.27989**	528102
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chr4	118409337	118415824	Med8	**115.10983**	785007
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chr8	21776555	21795185	Defb1	**151.6882**	489697

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chr9	120571517	120574653	Rpl14	**157.54948**	519169
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chr5	143505481	143527993	Rac1	**127.32752**	1018209
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chr2	155381856	155389847	Trp53inp2	**102.50144**	1421165
chr8	94172618	94173567	Mt2	**172.38605**	337798
chr7	24636570	24641118	Lypd3	**114.57886**	657818
chr11	70238123	70239852	Rnasek	**173.44605**	380220
chr11	99597348	99598106	Krtap9-3	**154.11729**	412262
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chr14	30549131	30574726	Tkt	**139.93525**	1592485
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chr2	32384637	32387739	Lcn2	**232.90957**	700191
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chr9	108936648	108949641	Uqcrc1	**174.9297**	1020949
chr7	25461702	25477625	Ceacam1	**124.47621**	1638979

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chr5	129881161	129887470	Chchd2	**180.98248**	580441
chr4	149149985	149166707	Pgd	**149.49131**	1171739
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chr3	90692630	90695721	S100a9	**54.48997**	100054
chr13	55593135	55597694	Tmed9	**150.20967**	768149
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chr7	140954839	140955961	Ifitm2	**180.13839**	398065
chr18	46713205	46728342	Cdo1	**64.72117**	348994
chr8	93166072	93197804	Ces1d	**162.85581**	1128410
chr12	79175551	79191819	Rdh11	**175.06783**	971161
chr18	61555582	61588299	Csnk1a1	**149.57132**	1061139
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chr4	127351086	127354081	Gjb4	**158.57701**	807585
chr16	90220742	90226324	Sod1	**175.15442**	400015
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chr11	70525357	70527858	Psmb6	**158.92097**	580258
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chr8	70302785	70312990	Cope	**146.77217**	534348
chr7	25367616	25369724	Cnfn	**63.85042**	162698
chr8	106603368	106670246	Cdh1	**123.88596**	1926798

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chr11	116220559	116238091	Evpl	**66.45718**	1498533
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chr5	121567687	121593824	Aldh2	**210.85562**	1640090
chr7	29174187	29180673	Psmd8	**135.88123**	724567
chr19	7425905	7483291	Rtn3	**155.54377**	2228401
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chr17	35533201	35534648	Psors1c2	**109.8193**	326664
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chr11	70213910	70216414	Slc16a11	**78.96103**	488672
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chr10	127266262	127281955	Dctn2	**97.61496**	660882
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chr13	58391132	58403343	Hnrnpk	**89.30867**	916569
chr8	85537640	85555271	Dnaja2	**105.51902**	1055787

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chr14	65968483	65981545	Clu	**70.03768**	446283
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chr14	70164218	70177672	Pdlim2	**56.98834**	331599
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chr9	20894349	20898590	Eif3g	**73.23083**	275642
chr8	85026833	85030286	2310036O22Rik	**63.88624**	200841
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chr15	81365044	81399694	St13	**85.21195**	487115
chr7	29247533	29248467	2200002D01Rik	**42.26458**	73733
chr18	20510304	20541310	Dsg3	**41.7928**	605079
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chr3	57736066	57835233	Rnf13	**69.96406**	659844
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chr13	74322255	74350240	Sdha	**79.81407**	804218

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chr10	80249452	80256792	Ndufs7	**87.059**	232575
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chr17	66078795	66101559	Ndufv2	**73.41938**	423584
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chr8	94674895	94696242	Pllp	**36.72827**	244519
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chr7	19779718	19796809	Cblc	**46.20584**	270650
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chr6	24518666	24527687	Ndufa5	**78.28575**	151473
chr13	53332748	53377361	Sptlc1	**76.79648**	695592
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chr17	53479234	53507459	Rab5a	**63.51334**	480145
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chr4	154157485	154160684	Tprgl	**53.94699**	331204
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chr18	46585928	46597535	Tmed7	**59.69972**	726312
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chr10	75935573	75937722	Chchd10	**81.96465**	270385
chr9	62341343	62378805	Anp32a	**49.69673**	366412
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chr4	59471868	59549364	Ptbp3	**49.13439**	1192949
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chr12	31331562	31351471	Dld	**73.17551**	587231
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chr10	85938637	85957793	Rtcb	**49.17698**	342995
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chr10	59949675	59951770	Ddit4	**35.19818**	209026
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chr13	81783292	81797157	Cetn3	**54.29592**	193846
chr11	96034917	96047405	Snf8	**49.02791**	163634
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chr19	7020696	7040026	Stip1	**52.61651**	402960
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chr18	64499647	64516557	Nars	**52.48002**	489585
chr15	11981339	11996007	Sub1	**47.9266**	560952
chr7	141455188	141460743	Pnpla2	**65.39898**	626240
chr5	100798759	100804467	Mrps18c	**51.95203**	91915
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chr7	46889027	46919930	Tsg101	**46.49549**	300204
chr5	24802823	24842361	Rheb	**50.27879**	269522
chr8	25998722	26015601	Fnta	**49.56572**	328587
chr4	135946453	135962617	Hmgcl	**49.88795**	248438
chr6	124958411	124965529	Cops7a	**48.68469**	388634
chr13	38500271	38528824	Txndc5	**42.73155**	475599
chr14	57916280	57999262	Micu2	**51.78283**	421578
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chr8	35824709	35826559	Cldn23	**29.60073**	193103
chr9	21320719	21355028	Slc44a2	**40.76157**	516021
chr11	3249922	3266386	Drg1	**49.41983**	265440
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chr15	88862194	88865726	Pim3	**55.23701**	470919
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chr7	19701313	19715429	Tomm40	**60.03262**	331752
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chr10	57515775	57532529	Serinc1	**58.60207**	594407
chr7	34344720	34389540	Lsm14a	**47.30104**	453940
chr2	152758732	152831728	Bcl2l1	**42.96864**	483841
chr3	30995771	31052740	Prkci	**41.01711**	645456
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chr6	72432799	72437448	Mat2a	**48.56436**	443471
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chr12	21390329	21417436	Ywhaq	**43.20815**	321313
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chr15	81802673	81826863	Tef	**22.08045**	346919
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chr5	129020156	129024321	Ran	**36.22168**	292082
chr14	34310727	34345033	Glud1	**36.26197**	403593
chr7	142008553	142061034	Mob2	**33.55688**	172196

chr17	26212692	26244242	Itfg3	**30.94456**	312238
chr3	35754138	35856276	Atp11b	**29.42304**	504384
chr19	5366877	5371511	Eif1ad	**34.59522**	293232
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chr16	20279821	20302362	Parl	**34.37992**	160183
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chr7	127841808	127848965	Stx4a	**35.54642**	170128
chr13	108044474	108049146	Smim15	**31.52142**	207077
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chr3	92646532	92648307	Lce1a1	**6.39937**	15968
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chr1	38987814	38997236	Pdcl3	**31.29068**	188137
chr16	22245741	22265929	Tra2b	**30.40731**	228800
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chr19	8723487	8726326	Snhg1	**34.46958**	57826
chr11	61684410	61709950	Fam83g	**27.85834**	431317
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chr17	25831844	25833361	Stub1	**33.76472**	117452
chr17	34026033	34028055	H2-Ke6	**37.10012**	126047
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chr8	22192860	22218597	Vps36	**34.08518**	153404
chr17	32183770	32189463	Ephx3	**32.26222**	274708
chr9	37659902	37669222	Panx3	**44.06065**	391009
chr5	76183880	76209244	Tmem165	**33.30602**	222557
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chr11	50225335	50235103	Mgat4b	**32.42375**	277569
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chr10	127290793	127296220	Ddit3	**29.06934**	82268
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chr10	3256208	3267771	H60c	**12.44707**	123576
chr10	80583649	80590341	Abhd17a	**25.57277**	132758
chr18	35562158	35592045	Matr3	**34.3229**	540961
chr14	16365206	16430787	Top2b	**30.92277**	613901
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chr4	34550615	34566780	Akirin2	**27.98178**	156901
chr14	118937932	118981702	Dnajc3	**36.0833**	660015
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chr19	6134389	6141137	Arl2	**36.9854**	113274
chr3	58525885	58557501	Eif2a	**31.99858**	252051
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chr17	43270347	43324406	Gpr110	**14.55485**	179743
chr10	96617001	96622811	Btg1	**27.93254**	493009
chr7	143688762	143741963	Osbpl5	**24.45633**	352098
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chr1	160202367	160212892	Cacybp	**31.2846**	233196
chr16	97741942	97763755	Ripk4	**23.35832**	292247
chr14	54254129	54269169	Abhd4	**23.15888**	224374

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chr11	75679259	75708428	Crk	**28.55733**	604381
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chr4	148960535	149099812	Pex14	**37.27566**	255126
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chr11	120594516	120598365	Alyref	**29.47282**	117584
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chr12	17544873	17551502	Odc1	**27.70164**	248665
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chr2	13654936	13793520	St8sia6	**27.09061**	301612
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chr8	3631160	3643644	Stxbp2	**28.56416**	272112
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chr2	173659845	173702182	Rab22a	**34.16319**	215522
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chr8	122611626	122615591	Trappc2l	**30.24663**	65026
chr3	145924262	145934364	Bcl10	**25.20425**	173838
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chr5	100361649	100416234	Sec31a	**29.26604**	436093
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chr9	50521617	50528641	Pts	**26.17415**	95568
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chr10	128677183	128696268	Rab5b	**29.7503**	333006
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chr6	146888494	147032023	Ppfibp1	**25.30863**	434834
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chr17	34204479	34216321	Tap2	**28.26342**	248030
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chr17	35000907	35016329	Vars	**27.97266**	416426
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chr13	43398376	43402672	Nol7	**30.04793**	172087
chr17	14943184	14945939	1600012H06Rik	**32.19313**	270489
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chr9	122175874	122294423	Ano10	**30.8136**	288111
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chr9	121710389	121712921	Deb1	**30.07639**	54802

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chr10	127165156	127172340	B4galnt1	**19.30426**	180089
chr11	98836785	98853005	Rapgefl1	**17.1981**	252329
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chr1	171342502	171345645	Nit1	**30.02675**	117360
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chr5	44175162	44226606	Tapt1	**36.68185**	451058
chr17	34647146	34655074	Atf6b	**29.06207**	262823
chr11	21994764	22001651	Otx1	**22.36822**	222705
chr11	120721468	120723969	Rac3	**21.74292**	82607
chr14	51162260	51163018	Rnase2b	**57.13856**	152845
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chr3	104789034	104794459	Rhoc	**29.25204**	108868
chr11	80482127	80780025	Myo1d	**23.08218**	435466
chr2	130667841	130681614	Itpa	**30.85979**	126054
chr13	4132627	4150631	Akr1c18	**48.43424**	200060
chr5	88554483	88556083	Utp3	**27.67869**	156177
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chr17	25831365	25831428	Mir3082	**22.9563**	5178
chr9	59388554	59486374	Arih1	**28.95717**	656727
chr3	88716854	88731048	Rit1	**22.39016**	200276
chr18	58659482	58679570	Isoc1	**34.19011**	308837
chr14	54686171	54690742	1700123O20Rik	**27.65585**	138991
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chr2	30061996	30072577	Set	**27.76027**	303393
chr4	53440413	53622478	Slc44a1	**23.60405**	272694
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chr12	51608541	51691914	Strn3	**23.93177**	351209
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chr5	137745969	137768453	Tsc22d4	**21.89861**	245042

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chr3	89314951	89322879	Efna3	**23.96638**	103471
chr6	29540827	29609607	Tnpo3	**24.06863**	336846
chr4	57061726	57143156	Epb4-1l4b	**18.48392**	193217
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chr8	105297663	105305370	E2f4	**21.88809**	153743
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chr19	46032601	46045211	Ldb1	**19.74498**	185801
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chr10	127296289	127311786	Mars	**26.54538**	270843
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chr16	38089261	38246079	Gsk3b	**15.20477**	430733
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chr17	26781079	26792521	Bnip1	**15.15823**	57964
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chr19	11770415	11774946	Mrpl16	**19.94861**	79024
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chr11	94328001	94341847	Ankrd40	**19.36728**	256852

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chr4	125030014	125055338	Gnl2	**17.97033**	146048
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chr11	70451931	70453726	Med11	**14.51955**	45492
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chr17	28207778	28228608	Def6	**15.76144**	126485
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chr3	122538719	122619714	Fnbp1l	**16.52452**	309828
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chr4	149104142	149120653	Dffa	**14.51385**	129210
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chr11	60902246	60913792	Natd1	**14.5723**	213598
chr7	18065929	18077986	Ceacam12	**57.26046**	332577
chr17	47815328	47834691	Mdfi	**14.53975**	95415
chr3	52982123	53017223	Cog6	**16.97763**	174719
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chrX	162411952	162643658	Reps2	**7.29812**	197693
chr16	5008729	5013553	Rogdi	**14.26219**	69969
chr19	37207545	37224457	March5	**11.3447**	211349
chr11	76416732	76577739	Abr	**11.33496**	241129
chr5	115279702	115296972	Coq5	**15.22891**	107398
chr14	120478461	120507192	Rap2a	**12.24895**	180104
chr17	78919003	78937070	Cebpz	**11.99612**	159179
chrX	168653099	168673902	Msl3	**11.6884**	137506
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chr19	60198586	60226697	Fam204a	**10.10963**	72507
chr4	44126212	44168283	Rnf38	**9.02111**	164691
chr9	20907206	20959888	Dnmt1	**9.89513**	219741
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chr10	119198812	119240055	Cand1	**9.97623**	288627
chr1	86543015	86582501	Pde6d	**11.06818**	42597
chr8	22462614	22476699	Smim19	**9.17639**	41364
chr3	103127556	103169733	Dennd2c	**6.95749**	121966
chr11	60788897	60811265	Shmt1	**10.69114**	77808
chr7	30095076	30107614	Zfp260	**10.88121**	142506
chr8	116943393	116960445	Atmin	**8.94062**	153674
chr9	53301670	53381158	Exph5	**8.58533**	290505
chr12	88360514	88461726	Adck1	**13.40554**	121989
chr6	34476356	34505610	Bpgm	**11.91212**	86820

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chr14	57826239	57828745	Mrpl57	**11.84616**	96902
chr11	104333229	104442291	Kansl1	**10.18676**	197819
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chr7	24399628	24422777	Smg9	**10.60527**	83425
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chr12	69311543	69357176	Nemf	**11.2578**	147676
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chr2	5951469	6056703	Upf2	**10.00738**	182485
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chr16	18620319	18621810	Gp1bb	**10.71648**	47362
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chr17	3114972	3198859	Scaf8	**9.96698**	171175
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chr14	21033742	21052442	Ap3m1	**11.09259**	172953
chr4	136889802	136892914	C1qc	**17.88528**	66438
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chr2	72285637	72442610	Zak	**10.02171**	312477
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chr16	84835124	84863778	Gabpa	**10.78759**	184888
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chr10	111164802	111297247	Osbpl8	**10.04522**	253202
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chr7	5015508	5018488	Zfp524	**9.80455**	38183
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chr13	42301270	42307989	Edn1	**7.82063**	64607
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chr10	127898535	127911759	Sdr9c7	**2.71579**	27269
chr6	97151950	97179124	Tmf1	**10.53723**	251826
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chr3	127536714	127553349	Larp7	**9.84781**	73614
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chr8	4238740	4247897	Map2k7	**9.19092**	61545
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chr13	46679902	46727849	Nup153	**9.55304**	202717
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chr4	43442277	43448075	Tesk1	**10.18897**	118753
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chr14	70577847	70582571	Nudt18	**10.9623**	143568
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chr16	36071660	36092118	Ccdc58	**10.54005**	45505
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chr18	36760239	36763670	Wdr55	**9.25185**	47606
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chr7	145253923	145283927	Tpcn2	**8.43981**	86528
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chr8	4284782	4325100	Elavl1	**9.13227**	194078

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chr5	76529311	76570298	Exoc1	**10.09573**	120833
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chr14	69697304	69714809	R3hcc1	**10.4455**	76278
chr4	155943813	155944259	Ube2j2	**9.49238**	14720
chr5	34638536	34660148	Nop14	**9.91923**	94459
chr10	125966219	126015359	Lrig3	**9.04527**	129109
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chr6	89383146	89595652	Chchd6	**12.1814**	48341
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chr16	17130138	17132383	Sdf2l1	**11.86508**	46333
chr10	75212073	75312400	Specc1l	**9.43533**	214086
chr4	53826045	53862018	Tmem38b	**13.22994**	133400
chr6	72097608	72154570	St3gal5	**25.09261**	216932
chr19	8809075	8819294	Ttc9c	**7.8546**	96058
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chr19	9872297	9899533	Incenp	**9.21523**	104481
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chr16	94129306	94287856	Hlcs	**13.54993**	230799
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chr11	78343522	78349156	Unc119	**10.64632**	48065
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chr8	111270944	111300222	Rfwd3	**9.83822**	154054
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chr9	13827727	13846522	Fam76b	**7.96681**	103102
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chr3	135485611	135571403	Manba	**8.81129**	114093
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chr11	19924442	20022597	Spred2	**10.78605**	109176
chr5	36747374	36748679	Bloc1s4	**8.65492**	39837
chr6	113624021	113631633	Vhl	**11.95531**	115028
chr9	15005785	15045478	Panx1	**7.8684**	57542
chr9	7347374	7360461	Mmp12	**9.32093**	118491
chr5	114821937	114823468	2610524H06Rik	**10.40258**	34646
chr9	123259057	123260789	Tmem158	**8.01707**	48966
chr16	95257558	95300258	Kcnj15	**7.72753**	148837
chr2	164053540	164071169	Tomm34	**8.19072**	68386
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chr5	117379145	117389023	Rfc5	**9.44689**	57599
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chr5	129501231	129571384	Sfswap	**9.14315**	106435
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chr9	4294793	4309494	Aasdhppt	**11.38102**	115118
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chr4	130165600	130175122	Tinagl1	**11.65811**	89365
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chr4	135856071	135869899	Srsf10	**9.99694**	194168
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chr17	56326050	56402873	Kdm4b	**10.15689**	165022
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chr5	93093457	93174958	Sept11	**9.6127**	169664
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chr15	80977765	81012280	Sgsm3	**10.27988**	108219
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chr8	84913508	84922915	LOC100503676	**9.88733**	31780
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chr3	81932616	81956725	Ctso	**9.24943**	112562
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chr15	81586214	81652077	Ep300	**8.58934**	264849
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chr18	34758906	34773760	Fam53c	**7.8548**	123882
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chr5	103754162	103855322	Aff1	**8.04156**	240788
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chr10	83360221	83368835	D10Wsu102e	**9.066**	112119
chr9	65346068	65359643	Pdcd7	**6.86083**	59362
chr7	13277429	13311427	Lig1	**7.52014**	90192
chr8	104947356	104955962	Ces2f	**3.86994**	24864
chr7	119760923	119781067	Acsm3	**12.07502**	85922
chr3	54693105	54716837	Supt20	**7.03668**	48806
chr7	100082113	100121500	Pold3	**8.99677**	95187
chr13	34162964	34178172	Psmg4	**8.76827**	17120
chr9	104151597	104262930	Dnajc13	**9.06603**	245934
chr2	30982279	31022655	Usp20	**8.94336**	131027
chr6	47920568	47932637	Zfp212	**7.81494**	74558

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chr9	76490705	76545804	Fam83b	**6.90366**	76302
chr15	80133154	80161702	Tab1	**7.16278**	74016
chr9	98986373	99002019	Faim	**9.35257**	35401
chr12	40315046	40445790	Zfp277	**7.67715**	66398
chr11	75531694	75577572	Slc43a2	**9.41778**	240042
chr8	46033261	46124146	Snx25	**11.75562**	127069
chr2	36230426	36252271	Ptgs1	**3.03936**	30700
chr2	103021057	103073513	Pdhx	**10.17651**	90525
chr7	24081897	24107708	Zfp180	**8.69348**	123383
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chr6	54327012	54330200	Prr15	**16.41621**	79900
chr18	24012267	24020771	Zfp191	**9.71545**	107105
chr13	73937838	73960895	Brd9	**8.48767**	72002
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chr3	58674949	58692388	Siah2	**8.22856**	72153
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chr3	88910130	88913950	Msto1	**7.47626**	40314
chr16	44485045	44558870	Boc	**7.78522**	121495
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chr15	80948490	80970947	Adsl	**9.4189**	123222
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chr15	83526862	83544635	Bik	**5.76085**	19146
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chr10	128411616	128441441	Rnf41	**7.59826**	120452
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chr11	86265715	86357525	Med13	**9.14613**	379945
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chr9	110532597	110618633	Setd2	**9.27319**	272895
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chr8	84097072	84104762	Dcaf15	**8.4712**	69026
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chr13	97241105	97253040	Enc1	**6.59798**	110292
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chr8	71272714	71360712	Myo9b	**8.39236**	214675
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chr5	124345439	124354628	Cdk2ap1	**7.74949**	34140
chr14	50807946	50821300	Parp2	**9.23677**	58206
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chr12	57540632	57546121	Foxa1	**11.86676**	133289
chr16	56477846	56690135	Abi3bp	**6.54839**	109440
chr9	66843664	66919705	Rab8b	**7.98382**	133683
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chr19	34492316	34527474	Lipa	**9.13764**	95679
chr2	126791558	126876261	Trpm7	**9.32395**	234693
chr19	24919916	24961616	Cbwd1	**9.81109**	69536
chr3	62468642	62506988	Dhx36	**8.89414**	155947
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chr17	24073680	24150922	Pdpk1	**8.45787**	54967
chr9	57589452	57596233	Ulk3	**7.83778**	78063
chr12	69583761	69681852	Sos2	**8.11352**	160475
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chr9	108051937	108079375	Rnf123	**8.43153**	120319
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chr4	151989631	151996179	Phf13	**7.3052**	80534
chr15	97792693	97844502	Hdac7	**5.6909**	98900
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chr19	18713236	18718428	D030056L22Rik	**6.4145**	36872
chr13	106960585	107022114	Kif2a	**7.51869**	111506
chr14	20548912	20618354	Usp54	**7.27858**	160917
chr5	137650854	137684617	Agfg2	**5.71857**	60604
chr7	45825223	45830789	Grwd1	**8.46176**	56722
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chr19	3896050	3907133	Tcirg1	**8.62237**	100403
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chr1	30802342	30863256	Phf3	**9.00818**	240047
chr3	52268337	52350109	Foxo1	**7.77672**	152169
chr12	28690628	28750453	Trappc12	**8.71631**	130834
chr16	20097554	20127744	Klhl24	**9.8275**	231470
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chr18	56761716	56925548	March3	**6.35826**	39305
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chr14	55603985	55610030	Irf9	**6.85704**	64960
chr10	117070127	117148474	Frs2	**7.18589**	143951
chr8	83997672	84000386	Samd1	**8.91307**	65056
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chr9	56418846	56496936	Hmg20a	**8.64023**	107828
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chr3	92777210	92778899	Lce1i	**0.34934**	900
chr6	125067920	125082472	Lpar5	**4.3945**	23464
chr4	116221914	116303056	Pik3r3	**7.55561**	133250
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chr11	58978093	58991462	Trim11	**8.2977**	68051
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chr7	45648591	45666394	Fut2	**12.15943**	131091
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chr14	32201971	32297549	Parg	**8.2448**	127563
chr6	125168007	125191586	Ncapd2	**8.85017**	140797
chr12	86082561	86162459	Ift43	**8.52025**	24293
chr11	83942090	83963086	Ddx52	**8.71208**	97149
chr14	56887795	56962579	Zmym2	**8.23245**	199501
chr5	145167213	145182041	Cpsf4	**6.51096**	39377
chr6	50110241	50198598	Mpp6	**7.73937**	60608
chr2	29889720	29931746	Odf2	**8.06076**	125028
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chr7	135689788	135716379	Mki67	**10.97406**	389666
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chr15	89211559	89286261	Ppp6r2	**8.67043**	132651

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chr5	93041123	93045022	Sowahb	**5.95125**	81800
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chr10	89744991	89819869	Uhrf1bp1l	**7.26996**	165159
chr15	89351004	89355659	Lmf2	**7.62894**	78134
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chrX	56731761	56793346	Fhl1	**28.73394**	299958
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chr17	34020792	34024680	Ring1	**9.21512**	66059
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chr11	49203500	49218816	Zfp62	**9.03232**	128192
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chr5	24100590	24161231	Klhl7	**8.35065**	100859
chr4	108165437	108179308	Echdc2	**12.41833**	57203
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chr7	5007056	5014728	Fiz1	**7.60137**	76780
chr1	191575734	191621691	Ints7	**7.41387**	84972
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chr12	73123717	73273988	Mnat1	**8.48104**	74875
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chr10	128015215	128030030	Prim1	**9.40061**	50790
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chr2	59852365	59882606	Wdsub1	**7.0961**	54395
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chr10	127056050	127060184	March9	**6.48795**	45686
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chr7	3620324	3629929	Tfpt	**7.13632**	29326
chr9	109057932	109059723	Trex1	**7.92599**	31761
chr4	46116033	46138475	Tstd2	**7.93005**	68166
chr8	120653914	120668112	Emc8	**8.18048**	142223
chr9	44773009	44792714	Ift46	**7.43547**	87447
chr15	74726644	74728026	Slurp1	**0.70259**	1300
chr19	30030513	30093724	Uhrf2	**8.18987**	102121
chr13	17715962	17805097	Cdk13	**8.36937**	208866
chr7	45092993	45103822	Fcgrt	**18.70607**	114581
chr14	55765962	55768492	Ltb4r1	**7.6732**	37644
chr6	88465423	88497566	Ruvbl1	**7.70623**	44949
chr2	128610083	128687395	Anapc1	**8.71802**	275515
chr15	6813577	6874313	Osmr	**8.55579**	145793
chr7	126428767	126445859	Rabep2	**8.01692**	70382
chr19	43733854	43753000	Cox15	**8.86642**	131181
chr3	108195771	108200834	Cyb561d1	**8.53351**	126045
chr11	120369562	120378746	2310003H01Rik	**6.17739**	69124
chr12	81470704	81485110	Cox16	**8.08821**	56926
chr19	47501048	47537020	Obfc1	**6.15605**	38055
chr7	38220654	38227994	Plekhf1	**6.94989**	38186
chr18	10725625	10812217	Mib1	**10.15829**	135795
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chr5	114100333	114122924	Usp30	**8.23465**	80971
chr11	78181687	78181756	Snord4a	**13.0277**	3214
chr8	88199213	88259722	Papd5	**8.2806**	134946
chr3	83898287	84040161	D930015E06Rik	**5.39909**	93410
chr9	57072040	57128368	Sin3a	**8.42522**	155683
chr10	18407675	18533891	Nhsl1	**7.40992**	199442
chr2	114101161	114175339	Aqr	**8.89624**	159809
chr15	98038744	98093569	Senp1	**7.98115**	180022
chr6	48062395	48086593	Zfp746	**7.67682**	98781
chr6	72957347	72958748	Tmsb10	**11.3576**	25498
chr11	29545842	29547949	Rps27a	**8.65211**	22260
chr6	72347317	72353160	0610030E20Rik	**7.58333**	123850
chr10	95515162	95545658	Ube2n	**7.83375**	106322
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chr15	89322899	89324730	Adm2	**8.22286**	32400

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chr5	30951667	30960327	Preb	**7.63817**	118258
chr5	34525784	34563639	Sh3bp2	**6.80832**	81199
chr4	119539661	119629119	Foxj3	**7.45028**	125747
chr4	116804249	116807559	Toe1	**10.12412**	62870
chr10	59141627	59221847	Sept10	**6.99823**	65459
chr11	78357577	78386608	Foxn1	**6.59005**	75739
chr2	102449366	102451792	Fjx1	**6.48287**	55452
chr16	92601466	92826074	Runx1	**8.18418**	212811
chr4	126150602	126163341	Sh3d21	**10.35003**	84919
chr18	64528979	64661000	Atp8b1	**7.36617**	167189
chr9	35184391	35200291	Tirap	**5.85664**	100480
chr7	127769815	127775150	Orai3	**6.82055**	47980
chrX	41794994	41911901	Thoc2	**8.05628**	216328
chr7	126699774	126704816	Coro1a	**7.83469**	52767
chr2	10080612	10092701	Kin	**7.68339**	37342
chr2	25996958	26021760	Ubac1	**8.64657**	105134
chr7	16494473	16614993	Arhgap35	**8.83203**	261251
chr16	16870891	16892986	Top3b	**8.1736**	85239
chr18	46239949	46280850	Pggt1b	**7.67113**	73970
chr3	92763215	92765065	Lce1h	**0.28133**	700
chr10	8722219	8886070	Sash1	**7.85749**	198916
chr1	185204168	185286661	Rab3gap2	**8.29857**	201893
chr9	124291804	124312694	2010315B03Rik	**7.72915**	75156
chr9	44309237	44320282	C2cd2l	**7.06665**	107940
chr16	5007288	5008308	Smim22	**10.87177**	17702
chr1	52119438	52161865	Stat1	**7.51888**	140605
chr18	34631683	34651736	Cdc23	**8.89245**	94616
chr17	28177418	28205886	Zfp523	**8.47117**	80968
chr13	69497959	69533864	Papd7	**8.2633**	116404
chr14	45593171	45658143	Ddhd1	**6.30528**	113977
chr11	86768849	86807660	Dhx40	**10.11138**	132709
chr4	15957967	15992589	Nbn	**9.49257**	83337
chr14	55761428	55763229	Ltb4r2	**6.19652**	31426
chr4	86854099	86857367	Rps6	**7.48388**	36768
chr13	113794508	114157461	Arl15	**9.99184**	118357
chr13	43151742	43171501	Tbc1d7	**7.7737**	34548
chr17	31386234	31476309	Pde9a	**4.70287**	34210
chr2	151716062	151741293	Psmf1	**7.34655**	91709
chr6	7845224	7872042	C1galt1	**9.75693**	71009
chr5	136180357	136198954	Prkrip1	**7.49783**	43707
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chr18	88867880	88894207	Socs6	**7.03046**	79537
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chr12	59200655	59219483	Fbxo33	**7.51523**	91272
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chr1	9723196	9747647	Vcpip1	**8.32245**	130231

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chr8	71476098	71486067	Ano8	**9.19106**	119140
chr10	10545039	10558207	Rab32	**8.41949**	60949
chr5	30921895	30931246	Khk	**8.12658**	31992
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chr17	15704967	15772612	Chd1	**7.87128**	219655
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chr8	11728105	11835217	Arhgef7	**7.5064**	196642
chr13	40859768	40960892	Gcnt2	**11.32636**	280984
chr17	56256793	56263608	Fem1a	**8.9482**	214954
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chr9	123072310	123113205	Zdhhc3	**6.90112**	169938
chr13	73681157	73700695	Slc6a19	**6.86094**	58976
chr14	32080517	32085692	Dph3	**7.78833**	93134
chr2	179912146	179976646	Taf4a	**6.93776**	108123
chr8	112011359	112020528	Terf2ip	**7.0126**	88949
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chr3	95893921	95898592	Aph1a	**7.61086**	66227
chr5	23787744	23820369	Rint1	**7.40625**	85224
chr1	131867277	131872889	Rab29	**9.63714**	40452
chr18	65430997	65478792	Malt1	**7.99694**	141146
chr14	52296074	52305124	Mettl3	**8.29521**	51688
chr19	34640889	34650009	Ifit1	**10.41963**	96874
chr1	164275598	164287847	Ccdc181	**6.83609**	45680
chr19	20692953	20727556	Aldh1a7	**13.00973**	94453
chr11	98863598	98905578	Wipf2	**6.96487**	186285
chr19	46356880	46375254	Tmem180	**7.0854**	56935
chr17	47488050	47502287	Taf8	**7.21581**	70673
chr10	123105006	123197019	Usp15	**7.98156**	324872
chr18	4375592	4397330	Mtpap	**7.87514**	73578
chr12	84149174	84218881	Elmsan1	**7.2544**	188353
chr7	109138565	109175207	Lmo1	**15.32321**	84193
chr4	98395826	98719603	Inadl	**6.70407**	181365
chr7	4425665	4445657	Rdh13	**6.84055**	74182
chr5	31036036	31048924	Slc5a6	**12.04901**	153044
chr2	4881564	4910556	Sephs1	**9.14268**	171357
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chr17	25863698	25868738	Fam195a	**9.00734**	25904
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chr3	123368295	123385990	Mettl14	**8.66632**	80176
chr12	8313433	8343824	Hs1bp3	**7.18155**	74868
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chr8	70130806	70139197	Rfxank	**8.6727**	84881
chr17	56303337	56323486	Uhrf1	**6.9358**	89246
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chr10	77259300	77269586	Pofut2	**10.16757**	79516
chr13	38036989	38061433	Riok1	**8.05979**	77945
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chr15	85879327	85897393	Trmu	**8.74347**	46839
chr1	9798130	9902568	Sgk3	**6.88811**	136432
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chrX	167346333	167382699	Prps2	**8.59033**	110142
chr5	110648419	110653382	Noc4l	**8.94747**	64298
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chr13	13954674	13999068	B3galnt2	**6.56403**	77684
chr2	32682670	32694175	Fpgs	**8.11737**	61823
chr9	62057249	62070606	Glce	**8.07127**	131563
chr8	70778117	70792433	Mast3	**8.81476**	165708
chr16	97471086	97504936	Fam3b	**9.65281**	28951
chr19	6993019	6996037	Nudt22	**9.30887**	32775
chr5	147016655	147076572	Lnx2	**6.55842**	105008
chr10	128210005	128211794	Spryd4	**8.10285**	42065
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chr10	31332380	31445921	Tpd52l1	**8.37289**	37388
chr4	137594189	137658537	Usp48	**8.10727**	164180
chr1	160219174	160792938	Rabgap1l	**5.16511**	172735
chr16	35311131	35363918	Sec22a	**7.87903**	110852
chr11	93886219	93946984	Mbtd1	**8.4363**	155531
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chr15	90224311	90230554	Alg10b	**8.57443**	111026
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chr7	4844960	4866179	Isoc2b	**8.73598**	32790
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chr3	158036682	158067090	Lrrc40	**7.83592**	77216
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chr16	45139573	45158673	Slc35a5	**6.71037**	99329
chr6	119479668	119483886	Fbxl14	**8.81973**	131143
chr7	25756500	25788733	Axl	**10.2014**	182787
chr1	180165603	180196020	Adck3	**12.35548**	161596
chr6	57684739	57692078	Pyurf	**9.60613**	183158
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chr7	120842831	120907219	Eef2k	**5.87201**	138988
chr9	110385089	110408210	Ptpn23	**7.07865**	133121
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chr8	47827606	47990551	Wwc2	**5.85718**	103854
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chr11	77044292	77078437	Ccdc55	**8.51619**	93524
chr4	41755253	41759125	Galt	**8.28803**	58420
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chr3	89164805	89177087	Clk2	**6.92656**	56391
chr7	126272619	126294999	Sbk1	**9.52594**	137380
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chr7	27553290	27582098	2310022A10Rik	**6.61325**	63373

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chr17	4995074	5347656	Arid1b	**8.45268**	337375
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chr5	118027824	118061870	Tesc	**5.63443**	18706
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chr7	141091175	141100546	Sigirr	**9.55518**	67015
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chr8	84250576	84257324	Mri1	**7.46345**	56527
chr18	34598615	34624863	Brd8	**7.93235**	125832
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chr6	33249150	33972930	Exoc4	**8.17568**	106900
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chr7	131371146	131387838	Pstk	**7.51219**	29891
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chr4	136310942	136345979	Hnrnpr	**7.55034**	213147
chr3	88043106	88055994	Gpatch4	**8.22428**	51333
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chr1	172209894	172219895	Casq1	**27.16904**	179442
chr7	31032723	31042331	Fxyd5	**11.1848**	40523
chr4	123282911	123298821	Pabpc4	**7.83485**	81734
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chr17	57203973	57228136	C3	**26.91159**	486845
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chr11	29130751	29161828	Pnpt1	**8.59235**	81884

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chr17	6978860	8147832	Rnaset2b	**6.14653**	23049
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chr7	30553302	30555439	Hspb6	**24.71532**	115415
chr8	106009616	106011477	Ddx28	**7.66021**	50269
chr2	140119881	140170558	Esf1	**7.37296**	88141
chr11	20302180	20332713	Slc1a4	**5.47142**	75706
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chr6	92186712	92214811	Zfyve20	**7.21275**	132694
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chr9	21411837	21420279	Qtrt1	**5.91557**	27541
chr13	73763697	73816742	Slc12a7	**6.21611**	112387
chr4	59769647	59783855	Inip	**6.94447**	78711
chr9	65691583	65827564	Zfp609	**7.74657**	234385
chr3	32436151	32468486	Pik3ca	**7.47008**	234760
chr2	48902852	48949267	Orc4	**7.40735**	127398
chr6	35177616	35247598	Nup205	**8.98791**	197282
chr11	58307069	58314613	Zfp692	**5.36426**	36847
chr12	84918149	84970886	Arel1	**7.28019**	139400
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chr17	83350931	83480359	Eml4	**7.55359**	146951
chr12	98202300	98259337	Galc	**6.86322**	89594
chr9	62880077	62980879	Pias1	**6.3239**	85919
chr15	89130584	89140703	Mapk12	**7.39389**	49251
chr14	52198151	52237572	Chd8	**7.51234**	216840
chr17	56713932	56717699	Vmac	**8.79231**	70527
chr5	143548706	143564525	Fam220a	**5.8099**	47730
chr9	47530352	47853385	Cadm1	**7.26031**	106625
chr6	34863146	34874946	Tmem140	**5.49857**	8643
chr1	106171869	106394245	Phlpp1	**5.20939**	112068
chr11	114851532	114872617	Gprc5c	**8.10255**	133415
chr17	15499888	15517427	Tbp	**6.48658**	42110
chr8	123411564	123422010	Tubb3	**6.40201**	38876

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chr4	152039327	152061494	Nol9	**7.15376**	100295
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chrX	74393291	74453778	Ikbkg	**7.47524**	190662
chr19	3767421	3818303	Suv420h1	**7.43309**	238706
chr17	6270470	6306343	Tmem181a	**7.12112**	61087
chr1	180330550	180423659	Itpkb	**8.73937**	154835
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chr17	33843091	33849774	Cd320	**9.16457**	71349
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chr18	76944115	76972171	Hdhd2	**7.12783**	92144

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chr12	33429624	33439380	Twistnb	**6.25204**	51208
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chr16	3744099	3750788	Zfp263	**6.08211**	69494
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chr5	24445463	24447846	Tmub1	**6.93851**	32279
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chr14	55679080	55681817	Tinf2	**6.63255**	40650
chr10	40223246	40247039	Rpf2	**6.77447**	45125
chr14	64652531	64806296	Kif13b	**5.79471**	114428
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chr10	128363097	128370037	Coq10a	**8.79004**	77665
chr7	45207525	45211883	Dkkl1	**0.74124**	2359
chr9	40685964	40784046	Clmp	**15.99588**	165123
chr11	78073376	78080383	Eral1	**6.38639**	45331
chr17	32321424	32350577	Akap8l	**7.12416**	52024
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chr11	77982816	78030535	Phf12	**6.02333**	93235

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chr5	115565263	115622654	Gcn1l1	**7.18547**	216243
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chr17	30215524	30576287	Btbd9	**6.45713**	151495
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chr7	67952257	68233667	Igf1r	**5.36582**	226517
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chr8	85408759	85432841	4921524J17Rik	**6.28141**	35310
chr4	129676355	129696838	Tmem39b	**5.30969**	33871
chr1	107153961	107161114	Serpinb3b	**0.50472**	2903
chr18	42275353	42341540	Rbm27	**6.91461**	152651
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chrX	71555917	71560673	Hmgb3	**6.9341**	43940
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chr18	36281162	36288244	Pura	**6.37448**	35968
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chr7	118972653	118995211	Gprc5b	**8.10372**	55550
chr6	88257334	88446539	Eefsec	**7.29853**	68911
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chr17	8165518	8196470	Fgfr1op	**6.501**	72264
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chr5	124483155	124491122	Snrnp35	**6.71049**	25826
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chr11	3330731	3342971	Pik3ip1	**5.91033**	46722
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chr13	51645232	51650662	Cks2	**7.22963**	17683
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chr12	98676741	98737405	Ptpn21	**4.93765**	99853
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chr9	59617284	59650290	Parp6	**6.83124**	63897
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chr4	133661425	133672647	Pigv	**6.20185**	64283
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chr5	139751282	139775678	Ints1	**6.99663**	175397
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chr17	71344493	71475343	Smchd1	**6.33877**	157453
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chr16	5195280	5204012	Nagpa	**6.32074**	50100
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chr3	133091953	133110985	Ints12	**6.08087**	63972
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chr5	118245227	118263114	2410131K14Rik	**6.84514**	64413
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chr8	111345138	111393821	Fa2h	**21.53711**	189154
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chr17	25727751	25731456	Rpusd1	**5.64363**	33873
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chr15	55015129	55072152	Taf2	**6.2792**	111381
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chr18	21001341	21028223	Rnf138	**7.51882**	82412
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chr15	58890153	58933730	Tatdn1	**6.79916**	32733
chr8	94601941	94660276	Rspry1	**6.68996**	90751
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chr7	73426652	73519708	Chd2	**6.65693**	197944
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chr10	94147931	94197214	Nr2c1	**5.30542**	71558
chr2	181364931	181380793	Zgpat	**6.83816**	56563
chr7	90442781	90448043	Crebzf	**6.11843**	113489
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chr15	102518192	102523676	Tarbp2	**6.07884**	38349
chr8	77549397	77581338	Prmt10	**6.92565**	67880
chr14	64122621	64455903	Msra	**6.36931**	43167
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chr6	89643988	89675529	Txnrd3	**7.63345**	76297
chr11	78465701	78471945	Slc46a1	**7.46908**	51963
chr7	110816535	110844381	Rnf141	**7.29258**	24468
chr5	20893024	20927730	Rsbn1l	**6.47328**	113797
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chr19	56548261	56598846	Nhlrc2	**5.01881**	69585
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chr11	59306930	59333552	Wnt9a	**4.89335**	57222
chr16	16302965	16309640	Yars2	**7.95579**	44498
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chr19	41922980	41933314	Exosc1	**6.91996**	39558
chr8	11514017	11550771	Cars2	**8.41801**	54886
chr14	75284373	75344426	Zc3h13	**6.24697**	135424
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chr5	73481055	73560794	Dcun1d4	**6.99336**	104208
chr11	54438179	54518241	Fnip1	**7.47408**	165450
chr7	105731730	105737385	Rrp8	**5.9561**	63814
chr9	124423251	124424856	4930526I15Rik	**6.27426**	26867
chr17	33629092	33631714	Zfp414	**5.83746**	24832
chr11	119038436	119040913	Cbx8	**5.37903**	26408
chr19	5050808	5057071	Rin1	**4.8996**	72111
chr9	61953738	62026790	Paqr5	**2.929**	36130
chr18	33437019	33464029	Nrep	**10.7745**	93604
chr5	35893319	36003922	Afap1	**6.90623**	161058
chr16	87376651	87432606	Ltn1	**6.87444**	187452
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chr4	131768457	131838278	Ptpru	**5.95013**	115421
chr16	32277461	32301439	Rnf168	**5.32394**	83779
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chr14	31700015	31830415	Ankrd28	**8.20728**	151251
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chr11	116537753	116581447	Ube2o	**6.37113**	116582
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chr5	123394798	123457931	Mlxip	**5.19918**	133837
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chr16	20141063	20232573	Yeats2	**5.87688**	126676
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chr7	121865038	121918728	Scnn1b	**7.2076**	72320
chr10	31501887	31609725	Rnf217	**7.3561**	74147
chr8	10986964	11008430	Irs2	**7.1907**	97569
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chr10	88146992	88178395	Nup37	**5.87728**	28357
chr16	26581705	26725147	Il1rap	**4.64358**	114805
chr5	39613935	39644631	Hs3st1	**5.5224**	32795
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chr11	5713417	5762376	Urgcp	**7.1104**	138329
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chr11	69045643	69051662	Aurkb	**6.41045**	44214
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chr5	92603051	92606579	Stbd1	**5.51755**	38600
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chr9	30427329	30466726	Snx19	**5.90978**	115409
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chr13	100468577	100492609	Gtf2h2	**6.70802**	40356
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chr5	52643407	52669701	Sepsecs	**4.80279**	32584
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chr5	121452709	121495421	Tmem116	**1.65257**	8451
chr7	130577484	130764784	Tacc2	**7.04354**	234810
chr10	12382188	12861735	Utrn	**5.59106**	243986
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chr14	32180166	32201891	Timm23	**6.90742**	28288
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chr4	154964133	154980938	Pank4	**6.41163**	57961
chr4	19575066	19606932	Rmdn1	**4.94963**	32708
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chr14	122918975	122983261	Tmtc4	**6.10517**	72942
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chr8	26119380	26143869	Rnf170	**4.98084**	68725
chr12	70190815	70227683	Pygl	**5.68907**	56562
chr7	122159437	122169875	Plk1	**8.16121**	63365
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chr5	100679486	100719683	Hpse	**4.09112**	44438
chr5	142960355	142973189	Fscn1	**7.55075**	70973
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chr4	87769925	88033407	Mllt3	**6.81868**	149596
chr18	77065208	77155708	Pias2	**6.62665**	126886
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chr12	84996321	85070515	Ylpm1	**5.54426**	137444
chr11	97685952	97688625	Cisd3	**8.3489**	21833
chr11	51692263	51756834	Sec24a	**7.08572**	169689
chr7	127233443	127237860	Zfp553	**5.71121**	53159
chr12	65036334	65063386	Prpf39	**4.90774**	65018
chr9	123636907	123678832	Slc6a20a	**1.87502**	12516
chr5	112338318	112343040	Srrd	**4.48209**	10868
chr1	23366424	23383175	Ogfrl1	**5.51435**	94141
chr17	48419231	48432728	Apobec2	**15.44843**	66315
chr14	77024201	77036617	Lacc1	**4.5179**	38517
chr4	148434497	148444751	Ubiad1	**6.28507**	65788
chr6	116018618	116193374	Tmcc1	**5.68**	114485
chr11	49846751	49886421	Mapk9	**6.74595**	113027
chr8	95081201	95099827	Katnb1	**5.84421**	69577
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chr8	74993703	75031972	Hmgxb4	**5.73244**	77661
chr13	76098734	76187983	Ttc37	**6.1647**	116911
chr7	127027731	127042420	Kif22	**6.79683**	49442

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chr19	6384429	6398459	Pygm	**26.72339**	267856
chr9	111228228	111271608	Mlh1	**5.80159**	53121
chr17	29156521	29237790	Cpne5	**7.30568**	112415
chr7	128205504	128206366	Cox6a2	**22.79534**	47400
chr2	181251451	181287966	Gmeb2	**5.39708**	77036
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chr12	91633009	91786436	Ston2	**4.87739**	170109
chr17	12119284	12219640	Agpat4	**2.86577**	19291
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chr2	118598211	118641592	Bub1b	**6.93511**	89677
chr11	80046493	80080991	Crlf3	**5.35245**	45198
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chr12	111166370	111267155	Traf3	**5.66247**	142889
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chr4	129619274	129623908	Ccdc28b	**5.77781**	17105
chr3	55112108	55137332	Spg20	**5.98849**	85562
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chr12	81714950	81781170	Map3k9	**4.33048**	181467
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chr3	116272553	116424032	Cdc14a	**5.97903**	94509
chr17	63863981	64139496	Fert2	**5.54391**	70867
chr19	23141226	23166911	Klf9	**7.71958**	88775
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chr5	145283343	145291469	Zscan25	**5.43256**	38216
chr19	42518805	42592256	R3hcc1l	**5.90312**	82782
chr8	13907806	13940521	Fbxo25	**6.10704**	43219
chr5	101832953	102069921	Wdfy3	**5.22296**	262805
chr3	103832696	103854618	Bcl2l15	**9.73065**	71778
chr14	24133953	24245920	Dlg5	**4.80229**	132912
chr16	20703037	20716636	Clcn2	**7.32253**	92235
chr8	88272403	88329962	Adcy7	**7.26763**	162135
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chr9	108296922	108301597	Amt	**3.23977**	15129
chr14	30572149	30572208	Mir3076	**4.72426**	999
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chr4	99193934	99259787	Atg4c	**4.98285**	55810
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chr1	191005832	191021256	Mfsd7b	**5.04446**	58189
chr2	163658386	163726158	Pkig	**6.88357**	34595
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chr7	99535486	99606771	Arrb1	**7.51403**	188341
chr17	35121496	35124815	Gpank1	**4.80521**	27215
chr13	100778739	100786486	Ccnb1	**6.53851**	53370
chr13	90935349	91223987	Atg10	**7.04147**	39930
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chr13	98246845	98262992	Utp15	**5.8744**	84284
chr4	40203777	40239825	Ddx58	**3.68678**	64227
chr5	107909006	107987077	Fam69a	**7.18909**	44593
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chr5	138116905	138134265	Zscan21	**5.35572**	43810
chr11	87077732	87086777	Smg8	**4.25468**	48299
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chr7	45027707	45052881	Prr12	**4.95123**	120038
chr14	45376885	45388796	Gnpnat1	**7.58277**	55373
chr16	17619354	17644830	Smpd4	**5.80433**	95348
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chr11	102475916	102556158	Gpatch8	**5.0754**	122154
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chr10	24595442	24598682	Ctgf	**8.78151**	74340
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chr12	73964530	73984820	Snapc1	**5.62178**	42103
chr17	6106830	6240637	Tulp4	**6.52917**	226959
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chr16	24392556	24393655	1110054M08Rik	**5.90771**	12555
chr16	24393350	24992578	Lpp	**6.18026**	342949
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chr17	47599689	47611492	Bysl	**6.16395**	75947
chr10	102512222	102546560	Rassf9	**4.02205**	30023
chr9	21104068	21131275	Tyk2	**5.15826**	88589
chr9	61917278	61946799	Kif23	**5.78804**	69867
chr2	71453338	71525191	Metap1d	**8.09548**	35921
chr6	143010920	143100152	C2cd5	**4.36473**	69423
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chr12	56328307	56345894	Mbip	**6.40691**	34051
chr7	45918023	45921426	Emp3	**6.93381**	23753
chr17	78852550	78882572	Eif2ak2	**4.69554**	71590
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chr13	38932140	38960875	Slc35b3	**6.27956**	48999
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chr13	97898595	98206165	Arhgef28	**4.22395**	93176
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chr2	30171524	30172951	Endog	**6.90317**	15887
chr4	86748555	86850602	Dennd4c	**6.41895**	176276
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chr5	124463265	124478235	Rilpl2	**4.80195**	21324
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chr8	122282141	122337247	Zfpm1	**5.47393**	65323
chr19	46328184	46329593	Fbxl15	**6.40097**	22627
chr15	67102875	67176882	St3gal1	**5.09784**	103919
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chr6	72565922	72598413	Elmod3	**3.82877**	30159
chr17	26091745	26095470	Nme4	**5.31971**	16180
chr5	150635973	150665612	N4bp2l2	**5.44858**	172460
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chr6	120931546	121131022	Mical3	**5.54294**	192579
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chr4	136286069	136293942	Zfp46	**4.55831**	74494
chr16	18071726	18089190	Prodh	**3.3784**	27183
chr12	17348493	17430095	Nol10	**5.03405**	52977
chr10	23785183	23787209	Rps12	**5.15442**	9410
chr8	116888685	116921436	Cmc2	**5.1217**	25993
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chr5	136987019	136996646	Plod3	**7.58441**	78961
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chr16	18254773	18289168	Dgcr8	**5.38502**	63351
chr12	86241878	86291368	Gpatch2l	**5.80533**	80183

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chr10	11281330	11297969	Fbxo30	**5.06304**	91254
chr10	24641411	24712102	Enpp1	**6.9782**	79290
chr9	72274899	72363771	Zfp280d	**4.99085**	76708
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chr6	43345007	43666175	Tpk1	**5.07398**	45815
chr14	60963834	61046855	Tnfrsf19	**7.38738**	124373
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chr9	44969572	44980431	Cd3g	**3.7316**	13454
chr2	130632765	130642844	Lzts3	**4.55967**	69406
chr11	57645442	57787500	Galnt10	**8.80836**	145937
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chr6	39603237	39725463	Braf	**5.23883**	179613
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chr5	25222893	25265918	Galnt11	**5.9946**	53684
chr12	77238104	77475996	Fut8	**5.60574**	78671
chr12	113014508	113074401	Pacs2	**5.64497**	109024
chr7	81571292	81596836	Whamm	**5.91314**	63958
chr15	73101625	73184947	Ago2	**4.98019**	140960
chr5	34369933	34486458	Fam193a	**4.85025**	94718
chr11	75178925	75190483	Dph1	**6.59245**	31552
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chr7	126688927	126695783	Slx1b	**6.96276**	90599
chr8	77595978	77610653	Tmem184c	**6.84805**	64730
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chr9	94669892	95230452	Slc9a9	**4.83137**	59460

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chr9	44110781	44113051	Rnf26	**4.82645**	38630
chr16	8633731	8637701	Tmem186	**5.51202**	55909
chr14	48446352	48515159	Tmem260	**5.17642**	95195
chr13	100697241	100730942	Cdk7	**5.40316**	140554
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chr7	19581038	19604486	Clasrp	**5.10446**	41125
chr13	95627177	95891922	Iqgap2	**4.68065**	95200
chr10	84622437	84727178	Polr3b	**5.00556**	85208
chr5	90891245	90893115	Cxcl1	**3.51042**	11741
chr8	70184340	70212281	Slc25a42	**4.77903**	53426
chr13	98263076	98274754	Ankra2	**5.31097**	61413
chr5	114727408	114773492	Git2	**5.31428**	94284
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chr2	119112817	119136070	Rad51	**5.6294**	42418
chr7	139978938	139992488	Adam8	**4.58898**	49118
chr5	134932373	134942637	Wbscr27	**5.37202**	53069
chrX	141475419	141689235	Col4a5	**3.23433**	72030
chr19	5917556	5924816	Cdc42ep2	**4.51262**	23713
chr17	24443778	24455392	E4f1	**5.63612**	52758
chr1	153218922	153332786	Lamc1	**6.52631**	175314
chr19	37376403	37421859	Kif11	**6.03437**	102487
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chr6	94500314	94604528	Slc25a26	**8.3753**	52984
chr18	35553410	35558316	Snhg4	**6.02879**	24456
chr11	46436947	46442721	Med7	**5.57922**	50613
chr10	115384959	115432771	Zfc3h1	**5.87483**	144024
chr8	111536640	111626030	Znrf1	**4.49152**	72421
chr13	73467383	73514538	Lpcat1	**7.41559**	41947
chr6	85431976	85446429	Smyd5	**6.6487**	58417
chr1	75521529	75537335	Stk11ip	**5.74499**	90263
chr7	19606222	19629438	Relb	**5.34153**	41416
chr9	5345476	5373034	Casp12	**4.59168**	42156
chr5	135149711	135162662	Tbl2	**6.0487**	92434
chr8	123518835	123536650	Gas8	**5.2404**	31028
chr3	94372794	94398274	Rorc	**4.78196**	57571

chr9	108808380	108818366	Nckipsd	**5.51799**	55814
chr8	66860217	66890564	Naf1	**4.48821**	47296
chr9	31426196	31464238	Tmem45b	**11.1325**	61795
chr15	50654759	50890041	Trps1	**5.65716**	203406
chr11	90638184	90645690	Cox11	**6.33004**	43994
chr7	46760466	46795881	Hps5	**5.64436**	93655
chr14	26573858	26634322	Dennd6a	**4.1345**	100645
chr4	120921202	120925005	Exo5	**4.33074**	30053
chr11	54522845	54699286	Rapgef6	**5.27742**	173236
chr9	74953053	75032468	Fam214a	**6.02116**	95939
chr10	43874190	43901736	Qrsl1	**5.21058**	36177
chr6	6956018	7039220	Acn9	**7.46802**	14476
chr2	134594502	134644121	Tmx4	**6.80798**	123496
chr2	122053632	122118386	Spg11	**4.71922**	125723
chr10	61738653	61783864	H2afy2	**5.08744**	29961
chrX	52912214	52956961	Phf6	**4.49265**	69985
chr11	120458129	120464325	Ccdc137	**5.22638**	50304
chr1	39371911	39478747	Tbc1d8	**5.27887**	74865
chr7	25317164	25365917	Megf8	**6.02842**	213313
chr3	37420280	37579095	Spata5	**5.99997**	61535
chr2	181195124	181202789	Ptk6	**5.70619**	45973
chr12	24651371	24662782	Klf11	**3.98995**	55995
chr9	57940135	57962865	Sema7a	**6.03642**	69674
chr18	61493794	61536536	Arhgef37	**4.20091**	47881
chr13	112927793	112969187	Dhx29	**5.30049**	76554
chr17	3519398	3557713	Tfb1m	**5.73692**	24101
chr3	93319749	93333572	Hrnr	**0.6043**	22699
chr13	100407770	100452864	Naip1	**1.84243**	34811
chr1	131744022	131770405	Slc26a9	**10.15982**	130337
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chr11	67854523	67922153	Usp43	**3.84441**	60456
chr14	30479565	30527056	Dcp1a	**4.23861**	83894
chr3	32510550	32520833	Zfp639	**6.36879**	46261
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chr14	14012491	14107301	Atxn7	**4.88718**	118020
chr8	94037198	94067922	Ogfod1	**5.27923**	98816
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chr6	118107452	118139140	Csgalnact2	**6.46354**	83397
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chr15	53068261	53346183	Ext1	**7.43096**	90720
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chr17	32965831	32979211	Zfp472	**4.77452**	39325
chr8	13288127	13322924	Tmco3	**5.70401**	88835
chr5	149184560	149215434	Uspl1	**4.61089**	55804
chr10	117750643	117792705	Nup107	**5.5142**	60090
chr11	3514702	3517351	Selm	**11.80317**	36274

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chr1	119526154	119528983	Tmem185b	**4.55096**	45391
chr11	87127075	87220686	Trim37	**4.8723**	96797
chr14	51893610	51896745	Slc39a2	**4.66432**	38368
chr7	45554928	45567321	Hsd17b14	**2.63306**	12667
chr4	141467938	141538597	Spen	**4.6088**	198994
chr13	24937785	24939049	9330162012Rik	**4.78948**	21353
chr2	24291196	24293820	Il1f10	**2.63962**	5005
chr9	3404085	3479236	Cwf19l2	**5.73623**	79916
chr8	126947173	126971079	Rbm34	**6.10201**	73786
chr16	90830859	90904885	Eva1c	**5.13977**	38801
chr1	64606480	64617168	Mettl21a	**5.069**	47628
chr4	123016597	123054934	Trit1	**4.94415**	35878
chr4	121145373	121188534	Rlf	**5.68759**	131997
chr5	21424903	21482124	Fam185a	**5.1794**	56259
chr2	150749081	150771674	Entpd6	**5.35723**	47202
chr5	88565040	88651417	Rufy3	**5.6161**	129368
chr3	20057811	20118491	Hltf	**5.29434**	96841
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chr5	110664373	110770717	Ep400	**5.80286**	220834
chr5	92331841	92414627	Art3	**7.51846**	41416
chr16	45626848	45654118	BC016579	**3.85262**	29763
chr6	86404219	86433405	Tia1	**5.63512**	88914
chr16	64780347	64786321	Zfp654	**5.96385**	99734
chr9	58253164	58262524	Stoml1	**4.96957**	39723
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chr19	37550418	37683249	Exoc6	**7.29614**	70277
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chr12	31484829	31499616	Cbll1	**4.5606**	56883
chr2	103721259	103761250	Nat10	**5.67729**	77154
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chr10	82619851	82623228	1190007I07Rik	**5.03751**	13280
chr5	108065674	108109219	Mtf2	**4.7588**	87649
chr14	47540893	47568434	Atg14	**5.11282**	62185
chr17	26715650	26776626	Crebrf	**4.52487**	118855
chr7	28756174	28757567	Gm6537	**1.59278**	4154
chr2	153346139	153404007	Asxl1	**5.03848**	118513
chr6	113483569	113493338	Creld1	**3.60003**	25807
chr15	7873055	8099209	Wdr70	**4.83518**	36655
chr2	69135800	69189329	Nostrin	**4.31262**	27465
chr19	42247578	42270348	Golga7b	**6.80271**	71542
chr3	95759873	95818953	Rprd2	**4.5796**	135884
chr16	43980350	44027945	Gramd1c	**3.64924**	46622
chr11	69765912	69784026	Zbtb4	**7.12145**	196371
chr7	102557920	102565482	Trim21	**4.32728**	42550
chr2	168230622	168232303	Mocs3	**5.31126**	31485

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chr2	168925361	168955587	Zfp64	**4.9356**	47888
chr13	49421223	49463060	Ippk	**5.58816**	65859
chr16	91014037	91044379	Paxbp1	**4.93821**	66292
chr16	55980595	56008912	Zbtb11	**5.32546**	83146
chr18	68300355	68324852	Rnmt	**5.97417**	105444
chrX	8193850	8206525	Porcn	**4.5961**	30712
chr5	122209729	122242297	Hvcn1	**3.68238**	19506
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chr3	27097222	27153878	Ect2	**4.92592**	71474
chr16	33955012	33967003	Umps	**5.0472**	57260
chr4	116702434	116708385	Mmachc	**6.32592**	43029
chr5	145194946	145201882	Zkscan14	**5.04773**	35242
chr7	108921853	108930158	Nlrp10	**6.95481**	109884
chr1	44086617	44102388	Tex30	**5.48997**	24476
chr15	99702287	99713995	Smarcd1	**5.31393**	59050
chr5	36474078	36484285	Tada2b	**5.56802**	66387
chr2	121137292	121140698	Lcmt2	**5.8644**	65477
chr1	60343372	60387387	Cyp20a1	**6.45418**	34143
chr17	80393752	80480453	Sos1	**5.02173**	157852
chr8	106135400	106138722	1810019D21Rik	**6.59133**	32894
chr2	3284212	3328877	Nmt2	**5.56537**	86872
chr7	46923216	46958518	Uevld	**5.17438**	84015
chr4	94500079	94556796	Caap1	**5.59407**	41580
chr7	109893781	109960422	Dennd5a	**6.44853**	112612
chr1	20730905	20734496	Il17a	**1.09037**	4500
chr2	153241532	153270249	Pofut1	**5.22439**	103166
chr9	78109192	78172109	Ick	**5.2112**	127259
chr6	72414308	72431106	Ggcx	**5.16922**	60539
chr19	46056539	46072909	Pprc1	**4.39077**	81149
chr8	71497753	71511769	Plvap	**10.89047**	77378
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chr15	98571004	98589588	4930415O20Rik	**4.7945**	9564
chr14	70654246	70766628	Xpo7	**5.0934**	271383
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chr11	120456604	120458063	Oxld1	**5.28947**	15100
chr7	16119876	16127516	Kptn	**5.87404**	34138
chr5	140327674	140331898	Ftsj2	**5.84232**	29712
chr12	105613540	105685241	Atg2b	**5.4701**	196102
chr7	31302769	31304977	Scgb2b2	**14.24239**	25700
chr6	134830199	134857883	Crebl2	**5.367**	47969
chr7	19577287	19580656	Zfp296	**3.16676**	17076
chr17	15396202	15433581	Fam120b	**5.58077**	89748
chr5	34153897	34168394	Haus3	**5.23575**	34488

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chr8	105943590	105966115	Slc12a4	**7.15657**	96652
chr11	52252604	52282571	Tcf7	**5.23828**	41317
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chr3	105678462	105687571	Ddx20	**4.96963**	47465
chr6	38697840	38876190	Hipk2	**6.36544**	102636
chr7	140097815	140102441	Fuom	**5.51783**	45350
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chr11	82804275	82871210	Rffl	**4.46543**	59536
chr15	88805243	88819318	Alg12	**5.51331**	41893
chr12	106010263	106077410	Vrk1	**6.10907**	81730
chr1	66175329	66442583	Map2	**3.39146**	65979
chr6	92091418	92169522	Nr2c2	**5.58579**	80399
chr17	78850505	78852544	Gm6548	**4.19976**	30195
chr19	29808108	29812974	Ranbp6	**5.95416**	102132
chr10	75831845	75834881	Gstt2	**2.13902**	10328
chr13	29325306	29855588	Cdkal1	**4.83822**	43277
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chr17	85984665	86145175	Srbd1	**5.37506**	66871
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chr12	101837372	101913171	Trip11	**5.89112**	133876
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chr13	100759686	100775899	Cenph	**5.35922**	23402
chr13	43195519	43304172	Gfod1	**5.06736**	118835
chr16	17759621	17793382	Klhl22	**5.07686**	46843
chr5	103862050	103911229	Klhl8	**4.70956**	52500
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chr9	72532240	72622949	Rfx7	**4.67635**	131849
chr2	24976033	25054072	Pnpla7	**3.77295**	61021
chr13	90923122	90924732	Rps23	**4.9386**	9660
chr2	121171168	121198770	Tubgcp4	**5.06321**	45807
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chr9	75625732	75637773	Lysmd2	**6.85444**	28989
chr1	132007605	132025684	Elk4	**4.68267**	60584
chr7	80586632	80688877	Crtc3	**4.37947**	78872
chr2	32925254	32961255	Lrsam1	**5.15509**	71638
chr14	70474555	70520260	Bmp1	**6.13748**	96343
chr5	139359739	139460534	3110082I17Rik	**5.66022**	29145
chr16	17900709	17911348	Dgcr14	**5.14809**	51129
chr10	99107171	99197988	Poc1b	**4.97382**	47803
chr1	85576899	85603891	Sp110	**5.39926**	37506
chr11	95749067	95764713	Zfp652	**4.96613**	46644
chr15	103153290	103163284	Smug1	**4.37946**	55735
chr7	78895927	78908833	Aen	**4.99514**	45420
chr4	154142372	154156818	Wdr8	**4.91933**	27740

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chr9	63953076	64022059	Smad6	**4.57335**	47887
chr11	114922781	114934386	Cd300lb	**5.57489**	56586
chr15	89123303	89128700	Hdac10	**5.17196**	44239
chr7	81881256	81934459	Hdgfrp3	**4.12979**	72818
chr11	74849264	74897080	Sgsm2	**5.14796**	86362
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chr14	51884842	51891868	Mettl17	**4.95364**	28335
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chr8	121598703	121651933	Zcchc14	**5.26828**	120242
chr10	127190378	127195709	Dtx3	**5.36916**	36786
chr17	50733127	51179352	Tbc1d5	**4.32556**	89975
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chr13	114452262	114458951	Fst	**6.48053**	58424
chr11	117654289	117763441	Tnrc6c	**5.12217**	157561
chr5	145147378	145167104	Ptcd1	**4.45021**	46723
chr12	75818318	76110928	Syne2	**5.16795**	395383
chr11	67025154	67035312	Tmem220	**4.45701**	26154
chr16	21423118	21644681	Vps8	**5.06396**	89825
chr4	46604390	46650199	Tbc1d2	**3.47955**	52793
chr14	20694968	20700197	Fut11	**4.79337**	56492
chr16	45729725	45742955	Abhd10	**4.94266**	20503
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chr2	167980786	168010593	Fam65c	**3.19828**	33083
chr19	47090766	47131145	Pdcd11	**4.72661**	100666
chr3	133463677	133544390	Tet2	**3.53455**	114368
chr16	93883901	93906106	Chaf1b	**5.34626**	36045
chr5	140505609	140525238	Chst12	**7.93788**	49965
chr12	107910403	108003414	Bcl11b	**5.29053**	147730
chr11	60777525	60788287	Smcr8	**4.90732**	139693
chr10	127538158	127621148	Lrp1	**6.97729**	366177
chr17	25099569	25115967	Telo2	**4.77488**	59421
chr5	144768792	144859773	Trrap	**5.10743**	224573
chr2	104754793	104816696	Qser1	**5.38176**	170231
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chr11	72796226	72927120	Zzef1	**4.89668**	192423
chr2	144305176	144332080	Ovol2	**3.61439**	19528
chr12	103728156	103738189	Serpina1b	**17.65636**	88674
chr6	136872435	136875805	Mgp	**29.2967**	61848

chr3	108040408	108044859	Gstm4	**3.49431**	20591
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chr10	120141654	120201537	Irak3	**6.21016**	64982
chr5	139150223	139186505	Heatr2	**5.4791**	66524
chr7	113207465	113314126	Arntl	**8.05243**	82528
chr5	74592447	74702903	Lnx1	**4.19595**	56165
chr5	36868570	36955078	Ppp2r2c	**5.96909**	84801
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chr6	59208870	59212033	Tigd2	**5.43465**	57595
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chr11	84820728	84829003	Dhrs11	**4.81199**	24099
chr7	46443159	46639807	Sergef	**4.07419**	20964
chr14	54541785	54554361	Haus4	**4.97858**	27846
chr14	27428847	27483554	Fam208a	**4.22213**	109787
chr15	76721465	76723845	C030006K11Rik	**5.71688**	35723
chr16	62734852	62786716	Nsun3	**5.5876**	26467
chr12	16810965	16826752	E2f6	**5.75971**	50667
chr11	69157072	69169791	Alox12b	**0.20552**	1700
chr2	129100996	129126595	Polr1b	**4.59143**	64695
chr16	37509796	37539769	Gtf2e1	**5.19323**	55970
chr18	60813756	60848964	Tcof1	**5.031**	82077
chr10	78170910	78185149	Pwp2	**4.99377**	68129
chr11	116434094	116434256	Ubald2	**3.64897**	1749
chrX	150547446	150570622	Alas2	**5.04736**	34688
chr1	182954788	182976044	Tlr5	**3.66271**	41295
chr5	8396969	8422716	Dbf4	**5.99945**	51613
chr16	44173397	44227466	Gm608	**5.7065**	253549
chr13	22040960	22041362	Hist1h4i	**7.25824**	10309
chr11	99514624	99521258	Krt39	**4.92931**	25173
chr5	122364584	122371963	Fam216a	**7.39455**	25618
chr10	95411490	95416857	Socs2	**10.39939**	95513
chr1	172376531	172384099	Pigm	**4.64296**	123855
chr2	60293760	60383231	Ly75	**7.99913**	145808
chr4	152086863	152115404	Plekhg5	**4.85162**	68669
chr3	92806291	92807891	Lce1k	**0.68474**	1600
chr3	113605067	113630149	Rnpc3	**4.91088**	38700
chr9	105642995	105687655	Pik3r4	**4.30513**	74104
chr3	10417817	10440130	Snx16	**3.90953**	36651
chr3	95739974	95754977	Tars2	**4.97222**	77806
chr9	46283012	46298783	Bud13	**4.97636**	38725
chr2	32414487	32431151	Slc25a25	**5.65096**	76358
chr9	58217180	58249786	Pml	**4.16755**	78977
chr7	105371211	105400054	Fam160a2	**3.76032**	132315
chr9	56950924	56983199	Snupn	**5.72484**	26996
chr16	18220753	18235136	Zdhhc8	**4.32784**	74251
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chr11	4097040	4118729	Sec14l2	**3.9948**	35592
chr9	88548020	88571086	Zfp949	**3.67734**	45322
chr14	20294690	20317575	Nudt13	**4.77971**	42501
chr18	12972252	12992948	Impact	**5.88718**	71209
chr18	68260185	68300333	Fam210a	**5.40967**	183011
chr3	84087934	84155786	Mnd1	**5.33229**	16425
chrX	16619698	16687812	Maoa	**5.28338**	77480
chr17	31564773	31607693	Pknox1	**4.54479**	71438
chr11	69561754	69579324	Wrap53	**4.82806**	32262
chr13	24907579	24937661	Aldh5a1	**5.27696**	90702
chr4	122946851	122961188	Mfsd2a	**6.74983**	51146
chr8	22168152	22185819	Ckap2	**5.07731**	46543
chr6	81957842	81965949	Mrpl19	**5.38237**	73127
chr9	96119429	96182953	Gk5	**5.7373**	55525
chr7	4148183	4149872	Leng9	**5.42026**	32284
chr7	133686355	133709295	Uros	**5.21718**	44589
chr12	79130788	79156016	Arg2	**6.60847**	26365
chr18	44071393	44083610	Spink6	**3.61417**	7477
chr2	165288031	165326479	Elmo2	**4.60343**	95252
chr6	119570796	119848150	Erc1	**4.33787**	150650
chr4	115624728	115647705	Cyp4b1	**3.43035**	22620
chr5	138259658	138264044	BC037034	**5.16153**	46169
chr3	115888183	115929323	Dph5	**5.26231**	29062
chr5	31452436	31481753	Zfp512	**4.75619**	55266
chr2	106693459	106868360	Mpped2	**3.53203**	34083
chr17	25779843	25785586	Haghl	**5.46386**	24013
chr6	121245906	121270917	Usp18	**4.49097**	28031
chr9	37229149	37255738	Slc37a2	**3.35428**	52441
chr7	97371617	97392158	Alg8	**4.5309**	31953
chr8	84066836	84096992	Rfx1	**3.94352**	57984
chr5	86110730	86172743	Uba6	**4.13361**	74109
chr11	72042502	72047370	Fam64a	**4.04009**	20874
chr11	97362551	97398542	Socs7	**5.16916**	127799
chr12	69724962	69744658	Atp5s	**4.64148**	24292
chr17	24892152	24895087	Eme2	**4.49861**	24115
chr3	116739999	116808166	Agl	**7.23912**	245565
chr6	17693994	17943023	St7	**5.00077**	48344
chr5	114808196	114813976	1500011B03Rik	**4.62941**	28373
chr13	64161866	64186537	Habp4	**5.44245**	49238
chr5	23431808	23434353	5031425E22Rik	**5.24495**	47063
chr1	192098546	192138040	Rcor3	**4.94916**	77079
chr15	36174010	36177012	Polr2k	**5.45768**	12041
chr10	19934526	20142750	Map3k5	**4.39389**	83514
chr14	46760541	46771525	Cdkn3	**5.17779**	14106
chr17	85063477	85090274	Prepl	**5.24773**	59757
chr15	77015487	77050606	Mb	**25.25471**	93457
chr12	37241639	37581932	Agmo	**5.93615**	45085

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chr8	83666640	83669761	Ptger1	**5.39774**	33101
chr7	44991222	44997579	Bcl2l12	**4.5449**	14352
chr5	138085084	138107822	Zkscan1	**4.69419**	136670
chr12	72073428	72085313	L3hypdh	**4.96469**	29833
chr17	80224489	80228497	Gemin6	**5.01116**	19180
chr11	23862646	23895270	Papolg	**4.36344**	57884
chr11	106988629	106999525	Kpna2	**3.74361**	26889
chr14	56668248	56695748	Mphosph8	**5.05056**	45479
chr14	99076634	99098840	Dis3	**4.64407**	55600
chr17	56111601	56117548	Plin5	**5.70349**	38956
chr1	86303221	86307305	B3gnt7	**3.44424**	31500
chr19	47033619	47050845	Pcgf6	**4.41311**	32631
chr1	58430993	58445486	Ppil3	**4.35703**	30174
chr14	46383607	46390599	Bmp4	**4.87416**	32759
chr7	19119859	19138261	Fbxo46	**4.30744**	44966
chr5	86012025	86065583	Cenpc1	**5.60979**	63089
chr8	124897886	124903813	Sprtn	**4.87976**	36391
chr6	87788853	87812164	Rab43	**6.99315**	120299
chr7	35397093	35438684	Cep89	**5.45649**	49365
chr1	58522806	58586333	Fam126b	**5.02612**	154022
chr12	69690436	69724874	L2hgdh	**6.55329**	77095
chr9	45766946	45828638	Cep164	**4.4005**	85113
chr4	41518929	41569527	Fam219a	**6.30429**	46859
chr5	92683435	92965759	Shroom3	**4.00189**	107445
chr6	37870811	37968445	Trim24	**4.91436**	111454
chr4	144777204	144786583	Gm438	**7.0073**	35365
chr11	120090522	120098731	Enthd2	**4.92792**	48265
chr5	65131231	65168142	Klhl5	**4.50054**	54056
chr14	55540266	55550017	Pck2	**5.18217**	62097
chr5	105699969	105815215	Lrrc8d	**7.22019**	106850
chr2	180176373	180225859	Lama5	**4.46476**	179195
chr11	98937696	98974942	Rara	**5.2499**	76434
chr9	111271845	111279091	Epm2aip1	**5.20061**	132829
chr6	142350342	142387087	Recql	**4.63423**	60382
chr6	115774557	115805513	Cand2	**4.78791**	91307
chr12	101645446	101718523	Tc2n	**5.61062**	75279
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chr7	59307924	59324149	C230091D08Rik	**4.76465**	62266
chr8	111094745	111135144	Pdpr	**6.09826**	58438
chr11	98203305	98253540	Cdk12	**4.37375**	118215
chr12	111540946	111541066	Snora28	**4.2303**	1804
chr17	28328471	28331033	Rpl10a	**4.65504**	13617
chr4	117019408	117086852	Eif2b3	**5.67543**	80449
chr8	72814599	73352556	Large	**4.65916**	60247

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chr13	55539316	55571120	Fam193b	**3.82679**	58547
chr9	44295673	44305671	Hinfp	**3.44338**	25485
chr14	61339763	61360445	Ebpl	**7.66971**	56143
chr9	52111985	52168111	Zc3h12c	**2.83678**	60147
chr2	104095801	104115410	Cd59a	**7.87085**	51790
chr1	84839841	84900486	Fbxo36	**4.409**	13985
chr6	71812997	71823784	Mrpl35	**5.25145**	68387
chr9	57412660	57440114	Ppcdc	**4.6936**	45573
chr16	4544661	4559720	Tfap4	**4.06917**	30303
chr5	24862735	25100642	Prkag2	**5.10189**	62160
chr7	35772346	35801528	Zfp507	**4.54552**	104675
chr1	161040613	161070632	Dars2	**5.12498**	64681
chr4	130792537	130826318	Sdc3	**4.85593**	85091
chr2	172356190	172370570	Aurka	**4.93247**	34333
chr8	36216064	36249516	Lonrf1	**3.40394**	47147
chr1	139422383	139453007	Zbtb41	**5.64432**	166342
chr11	26476554	26593920	Vrk2	**5.61054**	29779
chr2	180070593	180085902	Mtg2	**5.36099**	32101
chr4	139962173	139968026	Klhdc7a	**7.52996**	152834
chr5	137294669	137295664	Ufsp1	**5.97933**	20989
chr3	85574129	85654470	Gatb	**5.28934**	43006
chr11	78180936	78183584	Rpl23a	**5.65347**	11138
chr11	23741729	23770970	Rel	**3.19438**	29091
chr4	155654470	155669254	Mib2	**4.57171**	64546
chr8	79266424	79294956	Mmaa	**4.58285**	45919
chr16	37539894	37572385	Rabl3	**5.17747**	36896
chr3	92944486	92945730	Lce3c	**2.91789**	5800
chr5	28317189	28419242	Rbm33	**4.80518**	160901
chr9	114404521	114411201	Tmppe	**4.66571**	109860
chr2	154436484	154539356	Cbfa2t2	**4.7342**	101445
chr19	38930990	38968277	Hells	**4.11512**	43785
chr10	45289305	45318450	Popdc3	**2.78727**	18183
chr6	65042667	65116049	Smarcad1	**4.51996**	81211
chr12	73280410	73286711	Trmt5	**4.77529**	28089
chr7	123123885	123195296	Tnrc6a	**4.56687**	136472
chr12	51875873	51971321	Heatr5a	**4.64838**	127145
chrX	140456603	140476140	Prps1	**5.81831**	40499
chr15	93283833	93336935	Yaf2	**5.57393**	45536
chrX	107782752	107816334	2610002M06Rik	**4.63193**	95352
chr2	51924449	51935009	Rbm43	**5.05649**	38404
chr17	31494322	31512487	Wdr4	**4.6084**	63180
chr5	123142193	123168630	Setd1b	**4.20843**	131382
chr6	120509494	120531299	Cecr5	**6.19126**	41633
chr1	179961089	180165237	Cdc42bpa	**5.35077**	156352
chr17	36958592	36965623	Znrd1as	**4.60895**	15870
chr13	23703841	23710811	Hfe	**6.44428**	39110

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chr10	128958285	128960988	Mettl7b	**16.66359**	71590
chr15	76852141	76871435	Zfp251	**4.64**	57301
chr1	131254602	131279563	Ikbke	**4.11471**	46449
chr3	51388413	51396547	Mgarp	**6.98825**	35195
chr5	57718021	58132240	Pcdh7	**4.23384**	135682
chr8	3515384	3544267	Pnpla6	**5.19647**	82359
chr5	138755081	138810063	Fam20c	**3.15772**	33398
chr5	72647796	72671078	Nipal1	**3.81385**	56521
chr2	92184182	92364666	Phf21a	**4.37017**	106459
chr12	3426857	3506849	Asxl2	**4.93929**	157245
chr18	23954688	23964670	Zfp397	**4.50689**	87139
chr11	32232703	32267707	Nprl3	**5.3899**	46844
chr19	4195420	4201603	Rad9a	**4.2802**	27515
chr11	115892595	115933492	Recql5	**4.47555**	62873
chrX	150806421	150814339	Maged2	**5.94187**	46364
chr19	8774468	8786417	Taf6l	**4.23515**	21643
chr10	79736125	79746581	Polrmt	**5.44347**	72173
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chr15	81663889	81688315	L3mbtl2	**6.03484**	71804
chr17	21567046	21588682	Zfp948	**4.97675**	45551
chr11	76904545	76916586	Tmigd1	**2.51461**	12106
chr10	81621786	81627608	Sirt6	**4.37456**	32901
chr15	39094191	39112716	Slc25a32	**4.90084**	50867
chr15	93239742	93275084	Gxylt1	**4.38272**	100926
chr3	54361107	54391041	Postn	**19.03216**	221016
chr6	129485247	129507165	Olr1	**7.86004**	98867
chr16	13256481	13417529	Mkl2	**4.82433**	152803
chr10	122678762	122945793	Ppm1h	**3.56985**	79087
chr16	15889546	16146851	Spidr	**5.0173**	52341
chr2	25926838	25983282	Camsap1	**4.19333**	119324
chr3	100825459	100896922	Vtcn1	**7.13407**	65925
chr5	106616741	106696830	Zfp644	**4.76308**	95517
chr2	30472641	30474199	Ier5l	**4.85215**	26660
chr10	80540926	80561560	Rexo1	**4.54335**	84049
chr2	180258539	180273465	Cables2	**4.32845**	44926
chr7	35276544	35318440	Gpatch1	**4.86562**	52422
chr2	121492681	121506656	Mfap1a	**4.69801**	56610
chr11	67532998	67688992	Gas7	**3.63404**	94418
chr12	64965742	65022573	Fam179b	**4.17111**	94583
chr15	35371546	35931229	Vps13b	**5.46674**	257616
chrX	152144268	152225237	Iqsec2	**3.74564**	81846
chr16	17146967	17148857	Ydjc	**3.8451**	17888
chr14	70180468	70207671	Sorbs3	**4.72061**	57448
chr7	112225836	112353975	Mical2	**4.24484**	55054
chr11	69070809	69073293	Tmem107	**5.22256**	19124
chr2	121142093	121156680	Adal	**4.88766**	42634

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chrX	157698973	157752591	Smpx	**14.85649**	59114
chr17	34894559	34896844	Zbtb12	**4.12219**	26659
chr15	39870603	39943757	Lrp12	**4.82343**	69086
chr3	50364936	50443613	Slc7a11	**3.93324**	127906
chr14	41172212	41185198	Sftpd	**17.09178**	79875
chr10	42312585	42478565	Lace1	**5.21266**	46167
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chr14	62837690	62956886	Wdfy2	**4.30288**	28419
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chr6	86527330	86564449	1600020E01Rik	**4.27234**	10254
chr13	64133057	64153199	Zfp367	**3.97187**	48854
chr19	29714402	29806009	9930021J03Rik	**4.93783**	139674
chr3	93197273	93221376	Flg2	**1.43031**	38669
chr7	137375569	137410756	9430038I01Rik	**5.11563**	20283
chr11	60728398	60732951	Mief2	**4.32247**	38420
chr5	92006074	92043042	Cdkl2	**6.2618**	100987
chr6	29398926	29426995	Ccdc136	**2.70898**	33330
chr11	98152155	98193293	Med1	**4.69481**	125569
chr4	141368192	141384174	Fam131c	**2.5523**	13133
chr4	130047840	130099277	Col16a1	**5.73867**	105292
chr11	62281473	62316424	Ttc19	**6.23024**	75073
chr10	41476314	41487030	Mical1	**4.56078**	57271
chr1	191821473	191833049	Nek2	**4.86085**	54769
chr9	106440051	106447678	Abhd14a	**5.34188**	24663
chr7	44501699	44524669	Mybpc2	**28.4351**	363181
chr13	73260497	73269620	Irx4	**7.37243**	67582
chr7	142201364	142203015	Krtap5-3	**3.74392**	21798
chr17	83215283	83225069	Pkdcc	**6.59041**	56999
chr11	83437694	83441232	1700020L24Rik	**6.45866**	21192
chr2	131170261	131174810	Spef1	**4.09893**	32706
chr15	5233399	5244187	Ptger4	**3.80298**	44592
chr17	35194507	35196305	Ltb	**3.44607**	13299
chr8	125418063	125492710	Sipa1l2	**3.98385**	89368
chr7	25228931	25230264	9130221H12Rik	**4.22049**	15410
chr16	72663149	73046100	Robo1	**4.65782**	124235
chr9	58129088	58153997	Stra6	**4.0787**	52353
chr11	5896637	5898782	Myl7	**1.60818**	3344
chr7	24370263	24385212	Kcnn4	**7.82394**	56169
chrX	8061171	8074760	Suv39h1	**4.79849**	56045
chr13	116854824	117025516	Parp8	**4.38014**	47670
chr1	180227004	180256300	Psen2	**5.5027**	40416
chr2	118814003	118836212	Knstrn	**4.61909**	50759

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chr5	137518880	137527935	Gigyf1	**3.89278**	74607
chr1	131285251	131527361	Srgap2	**2.48872**	70520
chrX	100590154	100594869	P2ry4	**4.58296**	71618
chr18	65580230	65689436	Zfp532	**4.4102**	85425
chr7	19140217	19149196	Qpctl	**5.69762**	42169
chr3	94955015	94961561	Rfx5	**3.76827**	55633
chr5	29735937	29786478	Dnajb6	**4.14335**	56965
chr18	77633281	77714010	8030462N17Rik	**4.52074**	54458
chr5	131437682	132542343	Auts2	**3.75155**	80111
chr2	30091020	30093635	Zdhhc12	**3.86018**	15210
chr1	58973571	58995121	Stradb	**4.76161**	38883
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chr4	3574879	3616623	Tgs1	**3.77412**	57555
chr4	108814295	108833584	Btf3l4	**4.5391**	49768
chr10	79755119	79756961	Fgf22	**5.77981**	9961
chr16	59613321	59639339	Arl6	**5.56535**	29343
chrX	52272427	52613974	Gpc3	**3.83924**	30688
chr8	90828835	91054508	Chd9	**4.55715**	184975
chrX	99975606	100400760	Eda	**3.6493**	65439
chr11	67052670	67067440	Sco1	**4.48521**	67656
chr5	3583978	3596547	Rbm48	**4.78203**	29932
chr1	143999338	144004149	Rgs2	**4.48495**	47562
chr11	17211893	17235200	Wdr92	**4.7135**	56996
chr9	96196275	96323646	Tfdp2	**4.33251**	116734
chr7	141475236	141493135	Tspan4	**7.48477**	33686
chr3	97203662	97227364	Bcl9	**3.72456**	80099
chr12	9029997	9036394	Ttc32	**5.80758**	20468
chr2	121956093	122015326	Ctdspl2	**4.04195**	94660
chr15	74747856	74752979	Lynx1	**5.55022**	77305
chr14	65919395	65953744	Scara3	**5.68429**	68214
chr6	71909053	71979360	Polr1a	**4.78916**	103112
chr13	54575013	54581128	Arl10	**3.48691**	12879
chr9	32696042	32757820	Ets1	**3.33489**	59472
chr10	128270576	128292849	Stat2	**3.64309**	56417
chr5	146951573	146963797	Mtif3	**4.29059**	65295
chr5	100420842	100429535	5430416N02Rik	**4.04759**	8930
chr11	59197793	59202431	2610507I01Rik	**2.23046**	22836
chr8	11611581	11635757	Ankrd10	**4.19733**	69852
chr13	63511533	63565520	Ptch1	**5.10454**	77448
chr14	31001667	31012432	Glt8d1	**5.31714**	42014
chr11	6415870	6419810	Ppia	**4.78502**	12412
chr7	105604463	105633571	Trim3	**5.43365**	62755
chr14	87416583	87545508	Tdrd3	**4.25595**	92082
chr19	4496788	4498583	2010003K11Rik	**4.15908**	17106
chr7	56050155	56231798	Herc2	**5.21716**	282169
chr5	110361752	110448503	Fbrsl1	**4.32971**	75519

chr19	24999529	25202432	Dock8	**5.09049**	140117
chr15	37923953	37961055	Rrm2b	**5.14404**	81800
chr13	40001882	40288011	Ofcc1	**5.74714**	57038
chr5	144195347	144223578	Tecpr1	**4.07341**	59779
chr4	143107391	143212709	Prdm2	**4.12249**	167797
chr11	107933387	108343888	Prkca	**4.24175**	125112
chr6	149157577	149188712	Amn1	**4.55917**	16502
chr13	95325237	95337841	Zbed3	**4.25654**	28413
chr4	143412426	143421087	Pramef8	**3.74731**	51269
chr15	76723985	76818170	Arhgap39	**4.40109**	71149
chr17	21450352	21465589	Zfp51	**4.55829**	41737
chr4	138455148	138460126	Camk2n1	**9.115**	116066
chr7	141839072	141873085	Muc5b	**14.05323**	741097
chr1	36530534	36535729	Ankrd23	**12.56411**	86524
chr9	43123939	43205755	Pou2f3	**1.72156**	15302
chr6	34945295	34977999	2010107G12Rik	**2.59547**	19740
chr7	104244457	104262236	Trim34a	**2.68046**	24373
chr4	49584506	49597870	Tmem246	**2.73895**	28795
chr15	72805600	72810324	Peg13	**4.50975**	75099
chr8	123332713	123369518	Spire2	**5.17165**	42523
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chr15	3963564	3979573	Fbxo4	**4.61418**	56039
chr11	75440943	75454717	Wdr81	**4.25486**	103605
chr3	108383804	108388231	Psrc1	**4.94552**	30903
chr16	4084048	4213404	Crebbp	**4.49671**	118971
chr4	108459426	108559415	Zcchc11	**3.6484**	77844
chr16	32332252	32393747	Ubxn7	**4.04286**	147016
chr14	86656323	87141114	Diap3	**3.61316**	44773
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chr7	73740307	73776919	Fam174b	**4.32274**	40799
chr10	85131700	85185054	Cry1	**4.84107**	51458
chr7	87427405	87493411	Tyr	**3.06734**	35750
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chr4	124802549	124849484	Mtf1	**4.95778**	127815
chr16	28826176	28929698	Mb21d2	**4.01178**	43548
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chr19	33137745	33392295	Rnls	**5.03938**	28932
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chr13	52583437	52648792	Syk	**3.41133**	63384
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chr17	32993139	33005457	Zfp952	**4.15573**	44056
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chr6	99625137	99666771	Eif4e3	**4.44307**	39351
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chr5	109554709	109558993	Crlf2	**5.67458**	27199
chr9	65214690	65239219	Parp16	**4.11119**	35977
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chr4	118362745	118409263	Szt2	**4.41992**	170619
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chr14	59347407	59365490	Phf11d	**3.8102**	36069
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chr10	76469115	76515857	Mcm3ap	**4.30034**	94558
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chr11	86544991	86567360	Tubd1	**3.81531**	26409
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chr16	88707171	88707962	2310061N02Rik	**4.08413**	11400
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chr5	115429685	115454202	Msi1	**3.37103**	18427
chr6	4505697	4541543	Col1a2	**35.84938**	649798
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chr7	142460812	142494868	Lsp1	**4.59732**	42224
chr2	130613838	130616705	Fastkd5	**4.04388**	40875
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chr7	27258761	27282150	Numbl	**4.76076**	45856

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chr8	129216354	129234046	2610044O15Rik8	**4.08674**	25580
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chr1	44119968	44144771	Bivm	**4.11093**	51738
chr16	96235801	96319858	B3galt5	**1.40261**	26338
chr11	82764345	82767622	Zfp830	**3.54891**	41000
chr18	53681723	53744547	Cep120	**3.9817**	63906
chr12	55836366	55869735	Brms1l	**5.19688**	46998
chr11	116030316	116061214	Unk	**3.51622**	46360
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chr16	45711230	45724531	Tagln3	**3.65568**	14984
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chr7	90302355	90410719	Sytl2	**5.52219**	104979
chr6	82041628	82093099	Eva1a	**5.44786**	33946
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chr2	105700109	105904500	Elp4	**4.12215**	56688
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chr9	106194953	106199233	Ppm1m	**5.57391**	40664
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chr8	107069402	107096545	Terf2	**4.1673**	57823
chr8	109593248	109608673	Dhodh	**5.03056**	41097
chr2	90885786	90890526	C1qtnf4	**4.169**	20056
chr14	97786846	98169765	Dach1	**5.53787**	106331
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chr8	107293470	107379517	Nfat5	**3.64594**	172737
chr7	29768552	29781419	Zfp84	**3.38267**	68085
chr8	72494559	72548310	Med26	**3.45016**	36953
chr14	49066668	49087723	Ap5m1	**4.2266**	44569
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chr12	80463095	80498135	Exd2	**4.26224**	49917
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chr11	78567168	78697425	Nlk	**3.91707**	62068
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chr15	56665627	56694546	Has2	**2.36373**	33839
chr19	34290659	34327770	Fas	**4.06263**	25787
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chr10	61319657	61383523	Pald1	**4.35196**	65554
chr3	9687482	9833679	Pag1	**3.77759**	109877
chr8	10924427	10928457	3930402G23Rik	**9.26195**	92933
chr2	23510054	23572104	Spopl	**3.36755**	33920
chr7	80343137	80346097	Hddc3	**3.25377**	9862
chr17	24696234	24700529	Noxo1	**5.43378**	42859
chr11	77470487	77489678	Ankrd13b	**4.53958**	53373
chr19	40894790	40917947	Zfp518a	**3.54227**	84331
chr9	55220222	55283625	Nrg4	**9.11316**	56592
chr3	97689829	97888707	Pde4dip	**9.75318**	441221
chr12	111678105	111683902	Trmt61a	**3.98194**	29906
chr2	126628907	126676337	Gabpb1	**3.79394**	75467
chrX	49009707	49288242	Enox2	**3.91421**	54863
chr8	71922825	71934630	Zfp617	**4.397**	45684
chr18	49832997	49965473	Dmxl1	**4.03604**	173695
chr8	27123832	27128632	Brf2	**3.79735**	18509
chr2	173206612	173218922	Zbp1	**5.30338**	40410
chr19	5940543	5964206	Pola2	**3.75431**	38001
chr10	80339793	80348448	Adamtsl5	**3.14555**	39422
chr16	3905798	3908689	1700037C18Rik	**4.93298**	19072
chr14	110748578	110755149	Slitrk6	**2.80021**	41864
chrX	50555744	50635258	Firre	**3.80998**	88153
chr2	73341506	73386480	Gpr155	**3.45889**	60574
chr7	27656375	27674581	Map3k10	**4.15208**	53690
chr13	58233351	58274188	Gkap1	**5.25255**	28101
chr7	28385247	28392690	Med29	**4.77226**	36363
chr8	46169556	46195590	Cfap97	**4.24486**	67666
chr12	112808975	112816245	BC022687	**3.19848**	21587

chr1	162533672	162548345	Mettl13	**3.31629**	32609
chr17	21535539	21562601	Zfp52	**4.07889**	45484
chr17	31612623	31637205	Cbs	**4.69355**	41404
chr12	104237796	104241934	Serpina3g	**3.0157**	19907
chr14	60634729	60764556	Spata13	**4.78643**	126805
chr4	155989466	155992678	B3galt6	**4.27879**	48452
chr1	191170297	191183333	Atf3	**4.80677**	33475
chr6	8259288	8428765	Gm16039	**4.24185**	32471
chr7	143107254	143427042	Kcnq1	**5.54121**	56791
chr16	52031549	52208046	Cblb	**3.37821**	75270
chr7	127607035	127614433	Zfp629	**3.25006**	70055
chr12	100125450	100159653	Nrde2	**4.04144**	53057
chr9	37613847	37648318	Siae	**3.46992**	41983
chr19	38395980	38405607	Slc35g1	**5.0366**	61613
chr3	18054325	18057514	Bhlhe22	**4.71239**	52980
chr16	88505807	88506978	Cldn17	**0.8517**	3518
chr9	106688080	106789213	Rad54l2	**3.93913**	129472
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chr18	24708623	25133507	Fhod3	**4.00861**	88115
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chr19	4793672	4794009	Rbm4	**3.50141**	4171
chr2	11471431	11553929	Pfkfb3	**3.41857**	63663
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chr14	118787871	118874525	Cldn10	**5.42147**	27629
chr1	38863873	38898160	Chst10	**2.27128**	24967
chr1	44106546	44118773	Kdelc1	**4.24962**	34807
chr5	142463931	142478715	Ap5z1	**3.44041**	46282
chr16	95992092	96082428	Brwd1	**4.37441**	173318
chr4	117159633	117182624	Kif2c	**4.5518**	49426
chr9	57143256	57147034	Neil1	**4.55826**	18796
chr3	90213715	90226387	Rab13	**5.37648**	31000
chr15	75969185	75975865	Zfp707	**3.73517**	23906
chr5	64160260	64351486	Tbc1d1	**4.56899**	89483
chr11	6525591	6528760	Gm11974	**4.32751**	9029
chrX	47912456	47965866	Ocrl	**3.18137**	58102
chr18	75431221	75697696	Ctif	**4.14318**	80209
chr14	50824061	50870554	Tep1	**4.0426**	116303
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chr16	37777055	37836516	Fstl1	**13.51768**	171937
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chr10	80380355	80387651	Mex3d	**3.84851**	44190
chr2	121158273	121171125	Zscan29	**3.31707**	74048
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chr4	126861820	126967923	Zmym4	**4.14327**	101720
chr6	123229843	123247024	Clec4n	**5.23676**	22978
chr6	129232623	129238482	2310001H17Rik	**3.62217**	7251
chr4	149896284	149955006	Spsb1	**4.85377**	52243

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chr13	35978797	36117357	Lyrm4	**4.56512**	24375
chr1	33453808	33669794	Prim2	**3.7439**	26073
chr17	35655635	35667592	Vars2	**3.90527**	60890
chr4	133574745	133584242	Gpatch3	**3.5726**	25220
chr4	148140490	148145696	Mad2l2	**3.92414**	16928
chr13	23621777	23622558	Hist1h1e	**5.61528**	15476
chr6	90659598	90810123	Iqsec1	**3.79395**	91085
chr6	84571414	84593908	Cyp26b1	**4.18271**	71422
chr2	5870987	5895353	Sec61a2	**4.71302**	39350
chr8	13952008	13974777	Tdrp	**3.84471**	33374
chr4	34566909	34614942	Orc3	**3.9545**	86159
chr13	63301199	63301283	Mir3074-1	**2.97092**	178
chr5	125414404	125434048	Dhx37	**3.5402**	51667
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chr11	76672470	76673676	Bhlha9	**2.77275**	11795
chr18	68337603	68339711	Mc5r	**5.07972**	20803
chr18	11839378	11945627	Cables1	**4.18356**	46607
chr4	155601416	155623340	Slc35e2	**4.38992**	90107
chr5	27740081	27791550	Paxip1	**3.91157**	80633
chr7	128129568	128150657	Itgax	**3.69623**	52433
chr4	65604986	65616240	Trim32	**4.4562**	50194
chr1	156558787	156649619	Abl2	**4.03822**	152483
chr5	77265494	77283697	Rest	**3.4928**	52514
chr5	31253279	31291114	Ift172	**4.08809**	77918
chr2	118754145	118762661	A430105I19Rik	**1.83612**	30518
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chr9	31386192	31421334	Nfrkb	**4.13544**	75235
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chr11	115614181	115628295	Slc25a19	**4.49156**	44197
chr7	43296523	43313261	Zfp715	**3.60187**	53189
chr17	33875666	33890633	Kifc1	**4.21809**	34519
chr8	70754679	70758648	Rab3a	**3.92798**	19561
chr13	68582248	68592279	Fastkd3	**3.68069**	30640
chr11	3289131	3308999	Patz1	**2.95004**	35329
chr5	140705011	140719378	Brat1	**3.5029**	43024
chr19	23206441	23273897	Smc5	**3.3205**	68671
chr15	98724368	98728198	Fkbp11	**6.83327**	17725
chr5	25271794	25498783	Kmt2c	**3.72345**	220725
chr10	115369966	115384435	Thap2	**3.7772**	45368
chr5	123076275	123117445	Tmem120b	**4.26555**	27962
chr2	3341988	3366569	Olah	**4.76769**	25339

chr14	62676325	62761112	Ints6	**3.8015**	66440
chr4	24898083	24905001	Ndufaf4	**5.24207**	67101
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chr14	122890860	122913165	Ggact	**3.63181**	13811
chr13	67515782	67526231	Zfp87	**2.89752**	27664
chr5	113735782	113740607	Ficd	**3.8369**	42745
chr4	134244320	134245873	E130218I03Rik	**2.5959**	6084
chr14	78492246	78536860	Akap11	**3.9581**	131351
chr1	9548046	9577968	Adhfe1	**4.80383**	52315
chr10	77032739	77050432	Slc19a1	**3.46269**	29167
chr1	63047801	63114267	Ino80d	**3.55101**	169316
chr13	107724617	107890064	Zswim6	**2.97248**	57168
chr18	32528320	32560034	Gypc	**3.67704**	28277
chr9	103112074	103185270	Rab6b	**3.25905**	54375
chr7	143501548	143502524	Phlda2	**3.17041**	8235
chr5	31624439	31697610	Rbks	**3.80682**	13752
chr1	170298193	170306332	Gm7694	**2.74568**	37091
chr10	127739538	127747339	Zbtb39	**3.01765**	63280
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chr17	23726336	23735720	Pkmyt1	**3.40044**	20685
chr5	29229802	29378390	Lmbr1	**5.15529**	89610
chr10	5799158	5805465	Fbxo5	**4.09954**	26108
chr5	143464493	143504442	Daglb	**3.02206**	34530
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chr12	55302796	55382491	1110008L16Rik	**4.07629**	41260
chr18	24484962	24530204	Rprd1a	**4.00517**	60655
chr10	41188172	41303241	Fig4	**4.62001**	53130
chr2	113831492	113848661	Arhgap11a	**4.04186**	71467
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chr14	16238659	16249808	Oxsm	**4.01585**	52806
chr7	99920254	99980458	Rnf169	**3.47639**	87688
chr13	55325273	55329730	Mxd3	**3.89156**	16376
chr11	102604431	102608058	Fzd2	**4.29934**	54973
chr4	150187016	150201135	Car6	**8.935**	43110
chr2	173021902	173034731	Rbm38	**4.86068**	30390
chr18	61953075	62015719	Sh3tc2	**3.31344**	53017
chr11	59461197	59472474	Zfp867	**4.39813**	52888
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chr4	116551528	116555943	Tmem69	**4.32511**	36721
chr4	126489543	126533458	Ago4	**3.52771**	81075
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chr19	4154646	4156710	Ptprcap	**3.18586**	9499

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chr15	75882934	75888723	Mroh6	**4.21208**	50057
chr6	85334962	85374634	Rab11fip5	**4.81479**	102527
chr7	28741968	28753879	Sars2	**5.01521**	33760
chr15	25363277	25413764	Basp1	**4.02207**	26295
chr6	49822729	49829505	Npy	**1.98878**	3820
chr5	120116513	120198971	Rbm19	**3.67275**	46780
chr17	23556767	23564226	Zfp213	**3.15976**	29778
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chr9	53911460	53975301	Elmod1	**2.70898**	24871
chr14	105106728	105114518	Gm17066	**3.28055**	40848
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chr5	72513304	72559645	Nfxl1	**3.77111**	48777
chr17	23749236	23754065	9530082P21Rik	**4.04127**	45036
chr6	52768068	53068624	Jazf1	**6.97497**	76156
chr11	101418814	101425084	Ptges3l	**3.92858**	16781
chr17	25717172	25719029	Gng13	**2.54034**	3053
chr11	102393403	102402939	Rundc3a	**4.63932**	49804
chr9	86467154	86555806	Dopey1	**4.70705**	128335
chr4	126716003	126736269	Tfap2e	**3.61637**	26982
chr17	6430112	6436295	Dynlt1b	**3.05517**	8291
chr2	168476410	168601657	Nfatc2	**3.02927**	83819
chr3	63914696	63929385	E130311K13Rik	**4.25075**	23086
chr14	43818765	43819639	Ear1	**5.71777**	14368
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chr7	97081751	97308951	Gab2	**4.62182**	97864
chr2	38339281	38369737	Lhx2	**5.29305**	52606
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chr6	22306522	22356081	Fam3c	**4.98932**	48163
chr2	112492964	112631253	Aven	**4.95565**	26565
chr5	76913249	76951410	Ppat	**3.31569**	44873
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chr15	76538943	76542130	Slc52a2	**5.42489**	51622
chr2	25054379	25062881	Nsmf	**5.01801**	51977
chr4	156203284	156206028	AW011738	**2.83223**	27400
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chr17	80238304	80290476	Dhx57	**3.3553**	58547
chr15	76101488	76120195	Eppk1	**3.5988**	150667
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chr14	8431172	8666290	4930452B06Rik	**1.88335**	18260

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chr19	55741810	55933655	Tcf7l2	**3.1083**	49877
chr2	122630625	122632704	Spata5l1	**3.34044**	15552
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chr19	3851773	3894369	Chka	**3.70065**	35045
chr17	78835516	78848308	Gpatch11	**3.50078**	51906
chr13	96388294	96415587	Poc5	**3.79096**	40523
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chr3	79455971	79567679	Fnip2	**2.59629**	64921
chr10	13966379	14151378	Hivep2	**3.75142**	129146
chr17	46650338	46664364	Cul7	**3.20812**	62514
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chr18	69344492	69687967	Tcf4	**5.22995**	141578
chr5	137111286	137116207	Trim56	**3.45512**	44288
chr19	6341160	6355619	Map4k2	**3.52233**	57700
chr14	50807447	50807771	Rpph1	**0.17461**	200
chr2	31974450	32053975	Nup214	**3.49673**	100993
chr7	78827474	78847211	Det1	**3.69092**	28839
chr5	114130435	114139321	Ung	**3.45981**	25570
chr11	117076783	117078955	2810008D09Rik	**3.54674**	7500
chr6	122453609	122486305	Rimklb	**1.29254**	18299
chr4	115828092	115836183	Mob3c	**2.88229**	29276
chr11	80183872	80199753	Rnf135	**2.91373**	20117
chr5	112343095	112378424	Hps4	**3.5938**	36047
chr4	99715630	99763460	Alg6	**4.14693**	45512
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chr6	100228565	100287358	Rybp	**3.12185**	48147
chr4	43058984	43264887	Unc13b	**5.27957**	118918
chr17	35865595	35875596	Ppp1r18	**3.55521**	42426
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chr2	31151049	31152291	D330023K18Rik	**4.76871**	8605
chr5	34761740	34912534	Htt	**3.69243**	172025
chr5	73632749	73647731	Sgcb	**5.10564**	67064
chr10	95174746	95324097	Cradd	**4.17149**	24258
chr3	116007449	116029016	Extl2	**3.53684**	40549
chr10	33926936	33951212	Zufsp	**3.57843**	29814
chr3	145118589	145153915	Odf2l	**3.9102**	35610
chr17	17527723	17624489	Lnpep	**3.84048**	70126
chr4	40682078	40703194	Aptx	**3.54175**	71674
chrX	85574022	85634469	Tab3	**3.24352**	72749
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chr15	8109313	8159859	Nup155	**3.41125**	76992
chr11	121616208	121673151	B3gntl1	**2.99907**	27566
chr7	5020376	5033223	Zfp865	**2.74525**	29316
chr3	51687613	52105006	Maml3	**3.17551**	72880
chr12	100549778	100725028	Rps6ka5	**2.64768**	41114

chr14	64822218	64949847	Hmbox1	**3.88426**	40124
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chr11	83441876	83462961	Mmp28	**4.83585**	39387
chr11	95337018	95381872	Fam117a	**3.86973**	31600
chr12	110975353	110979021	Ankrd9	**4.2237**	38078
chr2	29346810	29524790	Med27	**3.13837**	27320
chr13	33661405	33671585	Serpinb6d	**38.34158**	198235
chr8	14911663	15001085	Arhgef10	**3.58955**	69934
chr11	51813456	51857481	Jade2	**3.23235**	69491
chr10	76032612	76042969	Zfp280b	**3.74863**	64393
chr19	38788128	38819237	Noc3l	**3.49991**	49056
chr6	86849517	87003227	Aak1	**2.87477**	195998
chr2	160946978	161109056	Chd6	**3.61564**	134424
chr17	28801126	28838789	Brpf3	**3.10085**	65276
chr7	4548614	4604041	Ptprh	**2.36464**	33502
chr1	152370736	152386682	Tsen15	**3.58259**	14293
chr8	71708387	71725681	Fcho1	**2.07651**	23126
chr14	30951488	30987401	Nek4	**3.88757**	37185
chr4	108328152	108340718	Coa7	**4.18131**	42382
chr3	95218544	95228423	Mllt11	**4.20816**	31872
chr9	20965952	20976793	S1pr2	**3.48753**	34600
chr17	56999457	57000018	Pspn	**2.82542**	4720
chr2	181381235	181383628	Lime1	**2.48674**	17169
chr14	101442360	101609191	Tbc1d4	**3.87033**	90586
chr9	66350450	66508458	Herc1	**4.16115**	218690
chr18	32067734	32104331	Iws1	**3.82953**	129878
chr10	85102627	85117747	Tmem263	**5.34223**	71132
chr11	80360492	80378015	5730455P16Rik	**4.02158**	64291
chr8	123897123	123949265	Nup133	**3.43717**	70357
chr17	33908182	33909178	BC051226	**3.28226**	9717
chr6	149141513	149151170	Mettl20	**3.31606**	19751
chr4	116708930	116715104	Ccdc163	**3.67366**	15718
chr16	18780447	18811972	Cdc45	**4.2565**	31098
chr12	81492194	81532907	Synj2bp	**4.13668**	151594
chr4	3938888	3951382	Chchd7	**3.63244**	39251
chr13	32965513	32979037	Serpinb6b	**4.97712**	32609
chr12	3235791	3250374	Rab10os	**5.47633**	20420
chr7	35392288	35396767	C230052I12Rik	**4.73357**	27560
chr16	22813215	22857569	Tbccd1	**3.71256**	35354
chr3	104453983	104511856	Lrig2	**3.29771**	82658
chr8	104591468	104596849	Pdp2	**2.76918**	34139
chr3	146220961	146286214	Lpar3	**2.09665**	18429
chr7	67647410	67726576	Ttc23	**3.97813**	33046
chr14	21845880	21848910	Comtd1	**4.33999**	33987
chr3	146450467	146465848	Ctbs	**3.71517**	35680
chrX	53669177	53670408	Cxx1b	**5.0753**	22037
chr6	48554799	48570722	Lrrc61	**4.3573**	38361

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chr16	18429811	18479073	Txnrd2	**3.92533**	24376
chr7	16197221	16222032	Dhx34	**3.12472**	45273
chr1	87853287	87944489	Dgkd	**3.8402**	77064
chr18	12252357	12305720	Ankrd29	**3.08898**	35447
chr10	100572274	100589259	4930430F08Rik	**2.99818**	17361
chr17	3064318	3084183	Pisd-ps2	**6.31927**	33073
chr2	84765360	84775429	Serping1	**33.02229**	211816
chr7	96951527	97064757	Nars2	**3.49132**	46204
chr3	27416162	27710439	Fndc3b	**4.71697**	114292
chr7	121642021	121707253	Usp31	**3.2408**	116479
chr8	14027565	14090327	Erich1	**3.76319**	20942
chr2	154335386	154372719	Cdk5rap1	**3.17515**	22045
chr7	142296377	142297069	Krtap5-1	**3.15143**	7697
chr7	65644898	65692093	Tarsl2	**3.98852**	44898
chr16	18581704	18590671	Tbx1	**4.90728**	33708
chr4	34803110	34882948	Zfp292	**3.83343**	134793
chr11	101582242	101591785	Tmem106a	**4.03142**	32693
chr13	23418361	23423866	Abt1	**3.94669**	61981
chrX	71210767	71315295	Mtm1	**4.17746**	57007
chr8	25980604	25994121	Pomk	**4.07849**	51761
chr3	129914960	129970206	Ccdc109b	**2.78917**	12956
chr1	66719806	66817595	Kansl1l	**3.08792**	44533
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chr10	25169090	25299163	Akap7	**4.31987**	47547
chr17	32685659	32703349	Cyp4f15	**3.64006**	27364
chr12	110850279	110869998	Zfp839	**3.04572**	39985
chr18	75367365	75395934	Smad7	**3.50633**	54880
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chr19	5453163	5457563	Ccdc85b	**3.53608**	40453
chr10	81357570	81364023	Mfsd12	**2.6596**	15841
chr5	104459457	104505819	Pkd2	**4.41304**	81063
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chr11	97050820	97068904	Osbpl7	**2.68176**	33411
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chr2	44564412	44861622	Gtdc1	**4.40416**	39798
chr13	62453016	62466812	Zfp935	**3.54628**	30896
chr3	79062529	79145875	Rapgef2	**3.49759**	80654
chr9	83834689	83872390	Ttk	**3.6664**	40277
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chrX	8154472	8176181	Tbc1d25	**3.17535**	29634
chr17	21008941	21028856	Zfp160	**3.12988**	41862
chr10	60346851	60372684	4632428N05Rik	**5.27535**	90098
chr17	46798116	46831413	Gltscr1l	**3.34493**	77558

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chr8	124890299	124897705	Exoc8	**3.24406**	84686
chr13	92355004	92389053	Dhfr	**3.49253**	62394
chr12	104763114	104865076	Clmn	**3.7318**	158392
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chrX	60223290	60403981	Atp11c	**4.40174**	93809
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chr10	30603195	30606634	Gm20300	**3.5055**	42500
chr3	96577872	96594181	Polr3gl	**4.27956**	21523
chr4	56749680	56802328	Ikbkap	**3.48856**	75700
chr8	88647347	88688474	Nod2	**2.91372**	47453
chr2	119972699	120027403	Mapkbp1	**3.49711**	85499
chr3	132982551	133091740	Gstcd	**3.19502**	29491
chr11	78193392	78205763	Proca1	**5.69767**	30382
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chr8	123805996	123835291	Rab4a	**3.96632**	19738
chr19	40659794	40741602	Entpd1	**3.35917**	49688
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chr11	101260567	101277409	Wnk4	**3.10403**	45378
chrX	74026592	74085690	Mecp2	**3.74789**	139473
chr11	68901566	68901588	Rpl26	**3.5159**	285
chr2	120033433	120033506	Pla2g4b	**3.06362**	799
chr11	115187487	115247025	Tmem104	**3.67848**	59195
chr5	96210115	96266727	Mrpl1	**3.81314**	56282
chr11	101971144	101984791	Dusp3	**5.80056**	85923
chr11	105589986	105929303	Tanc2	**5.16172**	215736
chr11	94936270	94951856	Col1a1	**31.55452**	522462
chr9	8994953	9239013	Arhgap42	**3.53052**	67241
chr3	103914120	103964535	Rsbn1	**3.60359**	58955
chr13	9276525	9668926	Dip2c	**3.97204**	112327
chr2	75935850	75938462	Ttc30b	**2.85043**	26250
chr8	92827328	92853420	Mmp2	**14.04637**	150543
chr2	178411206	178414463	Ppp1r3d	**3.49858**	40172
chr11	78094673	78157339	Fam222b	**2.4394**	33392
chr3	88616207	88648052	Arhgef2	**4.6178**	78835
chr6	48395586	48419855	Krba1	**2.30888**	57002
chr6	87980421	87981482	H1fx	**3.23281**	12100
chr7	116331507	116334190	Rps13	**2.55804**	5247
chr11	119491347	119511465	Endov	**3.3304**	61939
chr19	5482840	5488336	Mus81	**4.29126**	30142
chr2	28641233	28691172	Tsc1	**3.38745**	91760
chr15	6708381	6800400	Rictor	**3.49853**	114830
chr17	57043711	57059863	Slc25a23	**4.03835**	47850
chr2	132690283	132751055	1110034G24Rik	**3.49129**	18100
chr11	75410029	75422623	Serpinf1	**25.26991**	133056
chr16	65815633	65863066	Vgll3	**3.55045**	41681

chr5	113817798	113830501	Selplg	**3.72653**	34200
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chr18	11052568	11085635	Gata6	**4.91622**	54336
chr8	60993193	61131346	Nek1	**3.16789**	62735
chr8	106011487	106053840	Dus2	**3.36711**	22559
chr1	169497934	169531464	Nuf2	**3.87596**	32853
chr18	60593990	60624305	Synpo	**4.73226**	118632
chr8	105844678	105852008	Cenpt	**5.8511**	36438
chrX	101264387	101268206	Il2rg	**3.50186**	19895
chr8	104250861	104264936	Cklf	**2.56999**	20452
chr16	44240180	44332838	Sidt1	**3.42689**	51511
chr15	10981756	10996624	Amacr	**4.48463**	40699
chr7	100159277	100160931	Lipt2	**4.18452**	18125
chr7	43933771	43939590	Klk15	**3.22165**	8686
chr5	5537457	5559501	Gtpbp10	**3.76003**	38854
chr14	33216823	33369936	Arhgap22	**3.41842**	31300
chr7	81966662	81992299	Bnc1	**3.78804**	62253
chr12	98920574	98983238	Ttc8	**3.11991**	25378
chr4	45297168	45316131	Trmt10b	**3.63293**	25902
chr17	24897530	24936977	Mapk8ip3	**3.65681**	71979
chr15	27730649	28025848	Trio	**3.64626**	147745
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chr11	70970200	70977845	Rpain	**3.24144**	12852
chr12	116047724	116063207	Zfp386	**3.99097**	63886
chr8	36993575	36995533	AI429214	**4.25407**	29371
chr2	130684108	130697519	Slc4a11	**3.62071**	40847
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chr19	6922426	6925380	Tex40	**6.83736**	18820
chr7	27731409	27751689	Zfp60	**3.17461**	43221
chr9	44149262	44234046	Cbl	**3.19192**	57181
chr6	113415319	113419340	Rpusd3	**4.74241**	21210
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chr19	7356464	7383002	AI846148	**2.49776**	31638
chr8	124023473	124048504	Urb2	**3.23339**	65787
chr11	119343489	119355510	Sgsh	**3.58629**	42582
chr1	64789121	64956824	Plekhm3	**3.19533**	96421
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chr10	84371319	84440471	Nuak1	**3.21726**	56898
chr5	110429875	110431955	LOC101056043	**2.58761**	18978
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chr3	34057280	34081354	Dnajc19	**4.2472**	40610

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chr9	25481597	25604110	Eepd1	**3.59297**	33848
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chr10	41450358	41465582	Zbtb24	**2.9343**	29918
chr16	43861413	43889676	Qtrtd1	**3.59755**	35793
chr15	98831669	98871205	Kmt2d	**3.11226**	217477
chr17	40875482	40880558	9130008F23Rik	**4.39527**	33444
chr1	171358449	171360798	Klhdc9	**3.21985**	17646
chr2	133552159	133562896	Bmp2	**2.9351**	36888
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chr19	45076139	45079289	Kazald1	**5.26604**	25612
chr14	34041078	34046981	Gm5460	**1.36383**	9147
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chr10	117733678	117746358	Slc35e3	**3.40439**	41790
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chr11	100859351	100885169	Stat5a	**3.26279**	44709
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chr8	36489191	36513013	6430573F11Rik	**1.75359**	11279
chr4	44991243	45012412	Zbtb5	**3.63384**	71783
chr17	71496100	71526857	Ndc80	**4.06401**	31525
chr15	101266846	101274794	Nr4a1	**4.63586**	40454
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chr15	55112317	55259273	Deptor	**6.08914**	180696
chr3	103643953	103646068	Atg4a	**2.93344**	16676
chr12	102753275	102754166	AK010878	**4.17116**	13113
chrX	166390033	166440704	Ofd1	**3.59858**	56476
chr9	106281061	106349891	Poc1a	**4.0154**	24157
chr5	90214725	90223996	Cox18	**3.62163**	16976
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chr7	99811439	99828417	Neu3	**1.86702**	21984
chr12	84345317	84361821	Fam161b	**3.88648**	45982
chr11	52126746	52126836	Mir3061	**2.24809**	721
chr15	9071260	9110496	Nadk2	**3.0316**	43443
chr8	25518759	25575718	Fgfr1	**9.30434**	160680
chr5	108647771	108660769	Dgkq	**3.22243**	42725
chr19	56722372	56724862	Adrb1	**2.84058**	24938
chr11	72047528	72135889	Pitpnm3	**1.76177**	41390
chr13	71958232	71963723	Irx1	**5.00659**	36384
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chr10	9627259	9675208	Samd5	**3.48755**	30667
chr16	50191844	50432389	Bbx	**3.13129**	96475
chr10	88746607	88826814	Utp20	**3.16724**	98576

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chr4	156013695	156016589	Tnfrsf4	**3.19754**	13016
chr17	84626499	84655564	Dync2li1	**3.04801**	14255
chr8	106168875	106198704	Slc7a6	**4.18657**	55036
chr4	154056249	154140208	Trp73	**3.02508**	56783
chr13	92211881	92354782	Msh3	**4.53899**	59573
chr5	64970075	65041901	Fam114a1	**6.91559**	71876
chr7	126928879	126945609	Kctd13	**3.03965**	17719
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chr7	135537824	135686294	Ptpre	**3.11087**	57889
chr3	145646971	145649985	Cyr61	**3.44601**	24630
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chr2	24962422	24972469	Dph7	**3.43616**	23615
chr6	38626660	38637239	Klrg2	**3.88507**	31246
chr8	117158135	117205186	Gan	**2.79257**	26101
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chr13	35181623	35188014	1700011B04Rik	**0.89719**	2049
chr1	91932749	92148393	Hdac4	**4.03356**	56081
chr4	88094630	88411011	Focad	**4.14134**	84596
chr18	32163089	32236751	Map3k2	**3.67244**	139668
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chr8	31111846	31131473	Rnf122	**3.0533**	38169
chr9	75071206	75223687	Myo5a	**4.15436**	171056
chr3	89401896	89402650	Lenep	**4.41793**	10401
chr17	24223232	24251409	Ccnf	**3.25121**	35418
chr18	44104523	44108543	Spink12	**6.20246**	19477
chr4	147753974	147809788	Gm13157	**3.08329**	29655
chr1	90203980	90215722	Ackr3	**3.04662**	24900
chr15	64086840	64382919	Asap1	**3.224**	71368
chr6	86848407	86849440	2610306M01Rik	**3.6727**	13384
chr8	71488103	71493400	Gtpbp3	**3.01504**	29753
chr19	47132232	47138294	Calhm2	**3.04082**	21959
chr7	143458339	143461050	Cdkn1c	**3.40979**	22881
chr6	34354164	34368454	Akr1b8	**4.29134**	19722
chr4	135686457	135708180	Ifnlr1	**2.00478**	28340
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chr5	107597373	107661853	Rpap2	**3.56131**	44871
chr11	95509846	95514565	Nxph3	**1.20654**	8900
chr14	57424071	57517936	Ift88	**3.26425**	35422
chr7	98590606	98656569	2210018M11Rik	**3.08226**	43604
chr13	49653078	49679016	Nol8	**3.37574**	55275
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chr4	124937048	124944661	9930104L06Rik	**2.9513**	30601
chr5	121621029	121660510	Acad10	**3.20835**	40944
chr6	147091075	147112778	Klhl42	**2.60349**	60293
chr15	34675073	34679204	4930413F20Rik	**3.15458**	10751
chr6	100573082	100671157	Shq1	**3.63229**	25475
chr5	107548967	107597888	Glmn	**3.67237**	21925
chr8	13176869	13200624	Grtp1	**3.13695**	14483
chr19	5707374	5726317	Ehbp1l1	**4.8322**	109710
chr1	39194272	39363240	Npas2	**3.24298**	47775
chr18	53245662	53390825	Snx24	**2.74618**	18215
chr4	32615473	32653265	Casp8ap2	**2.7534**	63629
chr4	53714182	53763271	Fktn	**4.1456**	49413
chr8	87472812	87525554	Gm2694	**1.72059**	4833
chr11	113684412	113694647	D11Wsu47e	**3.42658**	26520
chr7	141328130	141337155	Tmem80	**3.12192**	19794
chr2	31470270	31470307	Ass1	**2.67312**	358
chr9	14748459	14752122	Fut4	**2.15809**	27868
chr7	89918685	89941204	l7Rn6	**3.77377**	47242
chr11	61488812	61494266	Mapk7	**2.74641**	32629
chr11	121204433	121222588	Hexdc	**3.34723**	25375
chr12	13269127	13583811	Nbas	**4.54069**	115862
chr14	17660960	18038088	Thrb	**3.10975**	71842
chr19	4099998	4113755	Pitpnm1	**2.73453**	43542
chr6	145115636	145174871	Lrmp	**1.60841**	13565
chr6	128362994	128375886	Foxm1	**3.59788**	54208
chr7	109727465	109731732	Ascl3	**3.17378**	7897
chr11	60105013	60199088	Rai1	**2.94065**	76693
chr3	95499210	95509387	Ctsk	**13.91238**	77618
chr19	4756525	4765941	Rbm4b	**3.46441**	22344
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chr16	10783809	10785536	Socs1	**2.0183**	8671
chr13	76001535	76018712	Rfesd	**3.40985**	34923
chr19	3958808	3970438	1700055N04Rik	**1.75396**	12357
chr19	16615366	16780933	Vps13a	**2.82253**	111055
chr19	46003478	46006173	Hps6	**4.00277**	38033
chr3	92967061	92968281	Lce3e	**0.23372**	500
chr5	90931196	91021370	Mthfd2l	**3.42295**	27083
chr9	99243468	99300403	Cep70	**3.35812**	30523
chr16	91679265	91688728	Donson	**3.18037**	26038
chr7	127418966	127422034	Zfp688	**3.07645**	11016
chr8	13884788	13890271	Coprs	**3.20251**	9052
chr19	24261453	24280586	Fxn	**2.83351**	10935
chr13	3566262	3611108	Fam208b	**3.72006**	106342
chr4	97581943	98118876	Nfia	**3.73684**	126998
chr19	34192270	34240328	Stambpl1	**3.22456**	22479
chr16	31878810	31899019	Mfi2	**1.57052**	22871
chr3	108186289	108192286	Amigo1	**3.5697**	70277

chr15	101552356	101562950	4732456N10Rik	**1.8798**	16788
chr9	21766773	21798546	Kank2	**3.72264**	63671
chr2	180657963	180709999	Dido1	**2.93126**	153681
chr17	22337989	22361400	Zfp944	**3.31957**	32571
chrX	143518591	143797796	Pak3	**3.24782**	102881
chr1	193173469	193177832	A130010J15Rik	**3.4576**	43479
chr6	48676135	48678704	Gimap9	**3.28793**	16026
chr9	121489824	121495694	Cck	**3.91022**	11769
chr3	30899295	30969415	Phc3	**3.01996**	117780
chr3	33800183	33814860	Ttc14	**3.20476**	91205
chr1	93825240	93852174	D2hgdh	**3.438**	37053
chr14	104477534	104522666	Rnf219	**2.65086**	32288
chr16	85793828	85803115	Adamts1	**4.10722**	70712
chr15	80711313	80941086	Tnrc6b	**3.24305**	199402
chr7	127372537	127376050	Zfp747	**2.27911**	21559
chr2	158794807	158858220	Dhx35	**2.67607**	31218
chr2	69647255	69667569	Bbs5	**3.34669**	16737
chr5	143235163	143248834	Zfp12	**3.50195**	65981
chr17	21488988	21510477	Zfp53	**2.72819**	29605
chr3	121459528	121532344	Slc44a3	**3.57168**	32225
chr1	163384909	163403641	Gorab	**3.39357**	30008
chr5	41787540	41844315	Bod1l	**3.36581**	125005
chr16	34784950	35002434	Mylk	**4.17301**	109951
chr14	25711640	25768856	Zcchc24	**5.96527**	91979
chr14	75761999	75787037	Slc25a30	**3.43514**	20654
chr6	4003987	4008446	Gng11	**6.286**	18543
chr8	4613170	4630231	Zfp958	**3.16836**	26364
chr9	35452076	35507652	Cdon	**2.75197**	69968
chr8	83900098	83941954	Lphn1	**3.94279**	113779
chr10	79777274	79781473	Fstl3	**2.47951**	6956
chr12	29938036	30017658	Pxdn	**3.89904**	90887
chr4	103171718	103214884	Slc35d1	**3.52149**	35905
chr8	71456700	71463657	Abhd8	**3.24478**	22700
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chr3	82358072	82395268	Map9	**5.37371**	117762
chr7	119853163	119895745	Dcun1d3	**3.25153**	66752
chr2	52072837	52122381	Rif1	**3.21345**	96288
chr13	119623819	119654358	Ccl28	**12.19101**	160648
chr5	150673827	150810669	Pds5b	**3.36465**	86660
chr5	21372673	21378386	Fgl2	**7.42225**	98592
chr5	45669925	45696544	Ncapg	**3.6484**	37649
chr13	74350317	74365783	Ccdc127	**2.98829**	42559
chr4	11051046	11076205	Ndufaf6	**3.17463**	12106
chr1	191325965	191351980	Tmem206	**3.58414**	41167
chr5	124328089	124341852	2810006K23Rik	**3.43737**	20522
chr17	21926963	21962464	Zfp942	**3.35272**	38698

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chr15	85859707	85876573	Gtse1	**3.26403**	31980
chr13	41606216	41641357	Tmem170b	**2.66838**	67429
chr9	45370185	45396159	Fxyd6	**7.13054**	45034
chr8	82331624	82402586	Il15	**1.8548**	8400
chr4	117888643	117892003	Dph2	**2.91951**	25991
chr14	24448694	24487046	Polr3a	**3.36161**	55482
chr14	9550094	11162032	Fhit	**4.02237**	13992
chr2	101560781	101628986	B230118H07Rik	**3.84055**	30712
chr16	16896469	16927375	Ppm1f	**3.13517**	54507
chr2	181319724	181356616	Rtel1	**3.40308**	53240
chr11	115268025	115276969	Fdxr	**3.19169**	20990
chr12	99884515	99955216	Tdp1	**2.68993**	19482
chr9	73017391	73039699	Pigb	**2.84719**	15985
chr5	3803165	3844515	Krit1	**3.28415**	74239
chr8	69761324	69774911	Zfp866	**3.08077**	62584
chr1	74435561	74544286	Usp37	**3.44117**	86654
chr7	30653708	30664994	Haus5	**2.97558**	23019
chr19	5878466	5885768	Slc25a45	**3.20952**	20734
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chr9	67840396	67995634	Vps13c	**2.85948**	116127
chr5	32789207	32854230	Prr14l	**2.96934**	110364
chr1	176814660	177020432	Sdccag8	**4.19158**	40935
chr8	84257767	84270402	Ccdc130	**3.70523**	28324
chr2	33729956	33887946	Mvb12b	**3.63613**	64011
chr13	77043088	77135468	Ankrd32	**3.21031**	42338
chr10	121263820	121311189	Tbc1d30	**2.55241**	51230
chrX	139684996	139754218	Tbc1d8b	**3.91399**	81483
chr19	56529161	56548222	Dclre1a	**2.73543**	39276
chr2	71055744	71099142	Dcaf17	**3.61782**	26572
chr17	46725664	46729165	Gnmt	**3.18712**	11592
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chr7	4915217	4922003	Zfp628	**3.17339**	39413
chr14	20262756	20269162	Kcnk16	**1.68759**	5228
chr2	11777753	11790323	Ankrd16	**2.79569**	23194
chr15	82127922	82142202	Ccdc134	**2.86528**	20651
chr14	70303467	70351424	Slc39a14	**3.30893**	60735
chr4	145212368	145246870	Tnfrsf1b	**4.2051**	72812
chr12	16535669	16589770	Lpin1	**4.06538**	82027
chr17	22424268	22456689	Zfp946	**3.68054**	37838
chr5	138622859	138648905	A430033K04Rik	**3.14624**	34840
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chr11	82871961	82890624	Rad51d	**3.54032**	96138
chr9	27030175	27095315	Ncapd3	**2.94768**	57169
chr10	8204753	8518825	Ust	**2.85958**	43175

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chr14	69784990	69805545	Rhobtb2	**2.32546**	42872
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chr9	48985385	49042517	Usp28	**3.15933**	46988
chr4	132310307	132310368	Snora61	**2.79163**	610
chr14	32159887	32179855	Ncoa4	**2.98828**	44107
chr2	69686824	69712606	Fastkd1	**3.47799**	35008
chr1	171518124	171535294	Itln1	**8.16418**	32773
chr10	94673493	94688613	Cep83os	**3.27971**	47796
chr17	7363712	7385305	Gm9992	**2.55704**	14356
chr10	75573593	75586182	Ggt1	**3.76734**	26847
chr17	24632682	24638838	Nthl1	**2.3976**	9126
chrX	57231485	57338729	Arhgef6	**2.68096**	43171
chr2	32963301	32963418	Snora65	**3.77277**	1569
chr16	87433331	87440592	Rwdd2b	**2.9999**	22245
chr8	123254195	123270551	Zfp276	**3.11691**	45039
chr9	56089976	56128890	Pstpip1	**4.3099**	28116
chr8	70382358	70439573	Crtc1	**3.06903**	61372
chr7	45699967	45704661	Car11	**2.91542**	14796
chr19	46573365	46596900	Sfxn2	**4.01493**	45450
chr13	29906575	29986063	E2f3	**2.67544**	50550
chr8	69822565	69831102	Lpar2	**2.64155**	53075
chr13	68560780	68582121	Mtrr	**3.32802**	43304
chr3	131110297	131224357	Lef1	**3.25304**	42271
chr17	94727080	94749892	Mettl4	**3.52457**	26707
chr1	166393621	166409828	Pogk	**3.14492**	81588
chr10	34297421	34301320	Tspyl4	**2.74238**	37694
chr10	38965515	39110188	Lama4	**5.30991**	113145
chr5	74204816	74531742	Scfd2	**3.18541**	67898
chr7	28277706	28280129	Eid2b	**3.42267**	29240
chr14	30714849	30822721	Sfmbt1	**3.15471**	90303
chr1	182565007	182632352	Capn8	**2.70276**	35292
chr13	76060422	76098660	Arsk	**3.0091**	38783
chr17	21423227	21435384	Zfp54	**2.64182**	23612
chr17	79706953	79715041	Cyp1b1	**4.40765**	79659
chr14	37077849	37098311	Cdhr1	**3.48576**	52875
chr12	116405402	116463531	Ncapg2	**3.15714**	73482
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chr19	8927382	8929356	Rom1	**3.95264**	21258
chr3	40799951	40816883	Plk4	**3.29416**	41180
chr14	7965190	7994182	Dnase1l3	**2.568**	33478
chr2	62330073	62412231	Dpp4	**1.62715**	36134
chr4	33170406	33189737	Pm20d2	**4.38231**	86074
chr1	133363572	133380319	Etnk2	**1.98506**	15951
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chr6	103510876	103733035	Chl1	**1.44516**	39478

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chr15	99317223	99370466	Fmnl3	**2.74833**	42706
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chr17	55864892	55878953	Zfp119a	**2.57409**	18516
chr5	114707779	114722327	Tchp	**2.90082**	29270
chr13	12565883	12609528	Ero1lb	**3.53962**	52881
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chr13	73912462	73937767	Trip13	**3.02313**	24154
chr9	113741473	113919697	Clasp2	**2.74168**	75910
chr4	88412930	88438926	Ptplad2	**2.04377**	15047
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chr11	8993142	9011137	Hus1	**2.80228**	45243
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chr17	78369212	78418152	Fez2	**2.92073**	47279
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chr3	73635809	73708415	Bche	**4.67025**	102198
chr10	30534225	30600749	Trmt11	**3.47103**	28858
chr8	69209046	69230539	Zfp930	**3.38319**	35723
chr16	96145419	96157852	Wrb	**3.31094**	28974
chr3	119718742	119783388	Ptbp2	**2.89618**	34337
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chr9	50768238	50772670	Fdxacb1	**3.42998**	23911
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chr15	99295409	99317007	Prpf40b	**3.21706**	35817
chr15	74516196	74589464	Bai1	**1.66412**	36521
chr5	143172186	143180775	Rbak	**2.25222**	27623
chr19	5568074	5571261	Ap5b1	**3.19446**	34811
chr11	31359441	31370061	Stc2	**4.80205**	30345
chr12	51997507	52006501	Dtd2	**2.97085**	26846
chr11	3886088	3895126	4921536K21Rik	**2.47876**	22871
chr7	120677620	120734854	BC030336	**3.19931**	54596
chr5	136138781	136141614	Alkbh4	**2.95516**	17841
chrX	48341358	48406728	Bcorl1	**2.33056**	50309
chr9	123034741	123067558	Tgm4	**2.48977**	24280
chr9	105129338	105131805	Nudt16	**2.58069**	14607
chr11	74383483	74590158	Rap1gap2	**3.19962**	72283
chr4	134129858	134187085	Cep85	**3.06029**	41697
chr8	11198423	11312826	Col4a1	**6.6706**	155516
chr12	44852486	45074483	Stxbp6	**5.53204**	84324
chr11	101246334	101248250	Ramp2	**5.57522**	17134
chr4	94614491	94693233	Ift74	**3.39072**	31381
chr15	51877441	51884622	Utp23	**2.95665**	30396
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chr3	107741048	107760469	Csf1	**2.81199**	43824
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chr11	23487882	23498039	Ahsa2	**4.88485**	27184
chr2	181147692	181157015	Eef1a2	**13.88063**	100091
chr19	6085097	6091773	Cdca5	**3.30647**	22211
chr4	135412309	135433805	Rcan3	**3.66277**	64777
chr2	73312652	73337807	Scrn3	**3.44245**	39394
chr1	60409619	60481163	Abi2	**3.39409**	71461
chr11	83704056	83706269	Wfdc17	**6.84907**	11321
chr2	121194835	121271407	Trp53bp1	**2.53889**	67056
chr19	61224402	61228418	Csf2ra	**2.59831**	16932
chr4	135728159	135755383	Il22ra1	**1.92709**	39562
chr4	156229044	156234857	Klhl17	**3.29309**	34319
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chrX	9435254	9469324	Cybb	**4.95027**	82871
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chr5	124552864	124569660	Ddx55	**3.04146**	30003
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chr3	37404982	37419596	Nudt6	**4.28237**	16300
chr7	101421691	101512829	Pde2a	**6.38172**	104383
chr11	59450045	59458567	Jmjd4	**2.6879**	42108
chr8	110882456	110902488	Fuk	**3.02797**	41342
chr4	46376975	46389423	5830415F09Rik	**2.56294**	14073
chr18	36017658	36197160	Nrg2	**3.74296**	37332
chr7	49975350	50863289	Nell1	**4.45336**	44135
chr7	142273764	142274363	Gm4559	**2.43969**	5159
chr11	21572281	21898686	Wdpcp	**2.92868**	25216
chr1	37299838	37410740	Inpp4a	**2.43951**	59178
chr17	35841498	35859670	Mdc1	**3.13904**	81336
chr18	54888045	54990180	Zfp608	**3.21969**	69355
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chr11	120464354	120467600	Arl16	**2.97891**	20945
chr4	129150825	129189482	S100pbp	**3.42213**	18646
chr2	19371636	19394971	Msrb2	**2.80857**	11789
chr7	127214442	127218445	Sept1	**2.09846**	10746
chr6	49367739	49389904	Fam221a	**2.95495**	21818
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chr14	20075636	20083172	Saysd1	**2.93087**	23799
chr14	65819027	65833969	Esco2	**3.0304**	30962
chr13	67538641	67553152	Zfp748	**3.34536**	54412
chr3	98280431	98310738	Hmgcs2	**21.68342**	251728
chr4	129615617	129619093	Iqcc	**3.06709**	23154
chr11	5276329	5444847	Znrf3	**2.72348**	73515
chr8	19445770	19447606	Defb8	**0.39684**	400
chr15	98517658	98534269	Kansl2	**3.44238**	43688
chr4	152019776	152027671	Zbtb48	**2.10778**	16536

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chr12	100912700	101028983	Ccdc88c	**2.19573**	48691
chr5	21186267	21291701	Gsap	**2.85808**	37723
chr13	119334317	119409011	Nnt	**3.12901**	50882
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chr19	36917550	36919599	Fgfbp3	**2.9358**	18169
chr19	7596661	7607176	Lgals12	**2.80691**	27254
chr3	154596711	154623182	Cryz	**3.41918**	27246
chr16	23224740	23360350	St6gal1	**2.62265**	44700
chr3	41626705	41742514	Sclt1	**3.69359**	39313
chr2	31245923	31295471	Ncs1	**3.13893**	44638
chr17	78949405	79020816	Prkd3	**3.45465**	74672
chr17	14665500	14694262	Thbs2	**8.85615**	184839
chr6	128952353	128975029	Gm15987	**2.20106**	7959
chr16	36828400	36872715	Iqcb1	**2.78508**	22252
chr1	171051169	171059403	Fcgr3	**6.39075**	30474
chr10	26275452	26375185	L3mbtl3	**2.46981**	29691
chr1	181896386	182019980	Enah	**2.89361**	118451
chr17	35994504	36038174	A930015D03Rik	**4.12754**	11623
chr7	142079487	142095284	Dusp8	**2.914**	49491
chr8	83723352	83741311	Cd97	**4.57792**	50355
chr11	94539798	94549207	Rsad1	**1.70449**	24936
chr8	70234423	70263105	Sugp2	**2.79889**	36340
chr12	64942440	64965536	Klhl28	**2.43266**	24469
chr18	41875696	41951194	Prelid2	**2.26169**	5771
chr5	145204559	145221750	Zkscan5	**2.50546**	33528
chr2	101714285	101838980	Prr5l	**1.25181**	19615
chr5	137314558	137333582	Slc12a9	**2.82841**	33045
chr6	38433925	38512763	Ubn2	**3.23725**	166575
chr3	90237500	90243512	Creb3l4	**4.5011**	24636
chr1	157458582	157488733	BC026585	**0.82062**	3728
chr11	109485476	109573329	Arsg	**1.93684**	22847
chr7	100372233	100470159	C2cd3	**3.17115**	87309
chr15	89472476	89477424	Arsa	**2.80227**	32552
chr18	31909094	31911903	Sft2d3	**3.65873**	36234
chr2	118528757	118549678	Bmf	**1.99536**	32581
chrX	159532668	159593081	A830080D01Rik	**2.72671**	32347
chr13	67705306	67729173	Zfp65	**2.49963**	34886
chr8	71371298	71373689	Ocel1	**3.2673**	19023
chr19	6057888	6059524	Fau	**3.01913**	8672
chr5	149411806	149431703	Medag	**3.19513**	32386
chr7	125707876	125874797	D430042O09Rik	**2.79587**	61004
chr4	72109945	72200893	Tle1	**3.35979**	144142
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chr10	121739937	121752859	BC048403	**3.04831**	33487

chr7	126363828	126369534	Lat	**1.88156**	8183
chr18	82593597	82692734	Zfp236	**3.00896**	100458
chr4	156109998	156127263	9430015G10Rik	**2.27806**	20152
chr10	90989311	91082743	Apaf1	**2.28294**	52411
chr9	95954760	96053029	Xrn1	**3.1413**	60902
chr8	94067954	94098811	Bbs2	**2.62712**	27286
chr7	138835818	138846267	Mapk1ip1	**3.43505**	17191
chr2	69822370	69836651	Klhl23	**2.45053**	39875
chr11	22972005	22976496	Zrsr1	**2.8103**	44491
chr11	78301591	78322454	Spag5	**2.89159**	38950
chr13	108158738	108194981	Ercc8	**2.74313**	20370
chr5	143710326	143732280	Usp42	**2.48969**	45189
chr8	122578237	122611487	Galns	**2.9514**	26899
chr11	51651074	51657681	D930048N14Rik	**2.13272**	24872
chr4	116031770	116053876	Nsun4	**3.50727**	43399
chr4	131921771	131923140	Tmem200b	**4.75854**	22976
chr4	95557507	95926939	Fggy	**2.50534**	23955
chr7	6286580	6307883	Zfp667	**2.25198**	29136
chr6	42672547	42693059	Fam115a	**2.87459**	37870
chr2	27188393	27247303	Sardh	**2.90519**	46669
chr16	32914100	33014269	Lrch3	**3.2729**	47962
chr6	40407498	40436133	E330009J07Rik	**2.76192**	18991
chr19	41766588	41802084	Arhgap19	**3.37749**	61184
chr19	5079337	5085477	Tmem151a	**2.5876**	35977
chr1	177729814	177753305	1700016C15Rik	**1.02283**	2700
chr16	3861544	3872374	Zfp597	**2.6986**	53546
chr8	12915893	13020509	Mcf2l	**2.7555**	53529
chr12	76348900	76369560	Zbtb25	**2.46152**	15416
chrX	101404384	101420685	Zmym3	**2.72026**	58012
chr9	42412317	42472226	Tbcel	**2.8831**	50470
chr19	46135695	46148325	Pitx3	**4.16593**	20100
chr8	69808687	69821870	Gmip	**2.6626**	36832
chr11	101092208	101095435	Psmc3ip	**3.2688**	10426
chr13	33879816	33905708	Serpinb6c	**5.31606**	24881
chr3	132881745	132950291	Npnt	**4.32927**	73238
chr5	115478010	115484484	Sirt4	**2.55523**	16192
chrX	93304766	93632155	Pola1	**2.85926**	53882
chr6	58833700	58920396	Herc3	**3.32261**	55377
chr6	35022065	35133737	Cnot4	**2.77258**	70238
chr3	122419780	122530182	Bcar3	**3.09121**	35952
chr12	51348230	51376986	G2e3	**2.5861**	61303
chr4	93334148	93335511	Tusc1	**4.42729**	21283
chr5	35057084	35087831	Dok7	**3.57514**	31286
chr4	107070168	107084805	Cyb5rl	**3.18902**	18039
chr19	44108637	44135876	Cwf19l1	**3.04959**	38488
chrX	100626065	100727271	Kif4	**3.10885**	51628
chr11	69796068	69801716	Fgf11	**1.6684**	14900

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chr11	20227037	20249424	Cep68	**2.63258**	44628
chr1	151884524	152090320	1700025G04Rik	**2.47119**	84951
chr8	111643443	111671011	Zfp1	**3.55295**	23466
chr10	105763185	105841380	Mettl25	**2.73094**	19625
chr10	69533708	70027436	Ank3	**3.12326**	117615
chr7	19076200	19082775	Dmwd	**2.82355**	25077
chr16	90936097	91011248	Synj1	**2.71292**	68545
chr4	136247957	136274899	Tcea3	**8.00546**	35183
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chr9	86552476	86571842	Pgm3	**4.36589**	49146
chr11	79014801	79146354	Ksr1	**3.09521**	41071
chr9	22276748	22307638	Zfp810	**3.6193**	41303
chr11	69803595	69803668	Tmem102	**3.42788**	894
chr2	91643688	91649791	Zfp408	**2.56215**	33772
chr6	90462626	90475209	Klf15	**2.99708**	24231
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chr1	38056264	38129662	Rev1	**2.83674**	30213
chr3	36863106	37053033	4932438A13Rik	**3.29724**	184571
chr2	127008711	127069814	Ap4e1	**3.04276**	69962
chr4	155650655	155653384	Mmp23	**3.00321**	15178
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chr14	31237696	31251218	Phf7	**2.5548**	17864
chr15	75044018	75048837	Ly6c1	**6.10411**	35389
chr4	132221025	132261549	Gmeb1	**2.94363**	68274
chr4	152120876	152152207	Espn	**1.86562**	20179
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chr11	83572917	83578636	Ccl9	**6.68288**	70847
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chr11	75830992	75925891	Rph3al	**2.32589**	28174
chr11	110399122	110513637	Map2k6	**2.25851**	16429
chr3	92407991	92409271	Sprr2i	**2.15909**	4695
chr3	103859795	103912252	Ptpn22	**2.63335**	26766
chr17	55938373	55945259	Zfp119b	**2.94688**	19702
chr13	93304495	93405129	Homer1	**3.19402**	57759
chr11	117867949	117873526	Tha1	**3.37558**	21890
chr8	106252548	106337988	Smpd3	**3.20998**	58240
chr18	43320979	43438286	Dpysl3	**4.19971**	89977
chr18	38838673	38918699	Fgf1	**4.66809**	64311
chr16	56075409	56190011	Senp7	**2.98643**	55647
chr5	138194314	138195621	Mblac1	**2.75735**	12711
chr4	149468787	149485142	Nmnat1	**3.69397**	12420
chr3	101855771	101924453	Slc22a15	**3.10023**	72529
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chr19	27217020	27254231	Vldlr	**3.23548**	94736
chr2	164656046	164657368	Wfdc10	**1.73087**	2800
chr10	13553143	13563376	Adat2	**2.9155**	12505
chr13	12471209	12520450	Edaradd	**2.84741**	81316
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chr16	4711318	4719356	Nmral1	**2.59485**	15684
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chr11	103171138	103198900	Fmnl1	**2.21959**	30297
chr4	86581285	86612022	Haus6	**3.21751**	41900
chr13	63304709	63431745	Fancc	**2.6331**	39143
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chr6	31220351	31337394	2210408F21Rik	**2.49982**	8916
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chr5	3344312	3522225	Cdk6	**1.70278**	14823
chr11	99798186	99804287	Gm11554	**2.3385**	5217
chr11	72777232	72795839	Cyb5d2	**2.94177**	24634
chr16	23609919	23614222	Rtp4	**2.72376**	15100
chr19	6914196	6914286	Mir6990	**3.54519**	1137
chr1	36538173	36547201	Ankrd39	**2.41862**	15224
chr4	41657498	41697091	Cntfr	**4.81656**	38483
chr17	33239507	33255145	Zfp955a	**2.37895**	31483
chr2	120860276	120970715	Ubr1	**3.31712**	87131
chrX	164070703	164076049	Siah1b	**2.5419**	15346
chr4	53261356	53270232	AI427809	**3.01011**	24156
chr2	154559400	154569892	E2f1	**2.31634**	25299
chr5	32863721	32994233	Depdc5	**2.96008**	88112
chr12	100779123	100872610	9030617O03Rik	**2.2816**	25965
chr12	31640055	31654826	Dus4l	**2.43634**	15181
chr19	41845976	41848132	Frat2	**1.88055**	14296
chr1	84906705	84935083	Slc16a14	**1.86961**	15478
chr4	111720010	111829140	Spata6	**3.70433**	31829
chrX	48695004	48710719	Rbmx2	**2.77863**	17069
chr19	4878668	4885397	Zdhhc24	**2.87623**	23700
chr14	79334507	79390668	Naa16	**2.55695**	34920
chr2	152337425	152344060	Trib3	**2.17183**	15699
chr9	21800180	21852635	Dock6	**2.2604**	52260
chr14	57034460	57058030	Gja3	**1.99079**	20298
chr4	43492785	43493059	Rmrp	**0.51589**	500
chr12	86700502	86726460	Angel1	**2.65101**	35971
chr9	44803355	44881274	Kmt2a	**2.59323**	150244
chr11	116105750	116110235	Trim47	**3.74622**	28941
chr8	105701148	105703494	Pard6a	**2.77757**	14067
chr11	5765509	5784710	2210015D19Rik	**2.78759**	17183
chr1	178955039	179518003	Smyd3	**2.21816**	29402
chr13	67589439	67609707	AA987161	**2.85518**	48653

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chr1	184034461	184075636	Dusp10	**2.86648**	27398
chr10	128800825	128804370	Tmem198b	**2.34682**	12787
chr9	107327082	107338350	Hemk1	**3.33051**	25753
chr2	35109492	35178822	Cntrl	**2.37268**	65158
chr1	173857220	173880187	Mndal	**2.62206**	17632
chr6	47955817	47965299	Zfp956	**1.72753**	15629
chr9	13246979	13292353	Ccdc82	**2.53581**	41486
chr12	104929933	105009809	Syne3	**2.26894**	44365
chr4	127077383	127124374	Zmym6	**2.7557**	43413
chr11	58120001	58168539	Gemin5	**2.65891**	58231
chr13	17986640	17993351	Yae1d1	**2.33251**	28246
chr6	83030936	83033471	Dok1	**2.84808**	18118
chr4	94942041	94979100	Mysm1	**2.80473**	73336
chr1	106538178	106714290	Bcl2	**2.37211**	64691
chr7	121734507	121768477	Scnn1g	**3.38593**	35382
chr13	33004541	33017955	Serpinb9	**3.80029**	45498
chr19	44147637	44192442	Pkd2l1	**1.79411**	20999
chr9	108953745	108984875	Col7a1	**2.31987**	74909
chr1	60483185	60566765	Raph1	**3.16427**	101673
chr16	45959261	46010413	Plcxd2	**2.05323**	53093
chr8	31150316	31164703	Tti2	**2.42713**	40649
chr8	48099092	48141667	Dctd	**2.59483**	25460
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chr12	33147686	33368277	Atxn7l1	**2.19497**	33094
chr3	88835231	88910099	Gon4l	**2.52142**	64773
chr2	91277828	91444642	1110051M20Rik	**2.93202**	20450
chr1	94038305	94052553	Pdcd1	**1.53793**	10461
chr13	3854173	3854761	Calm5	**0.568**	1099
chr4	96723887	96785160	Gm12695	**1.55295**	8965
chr5	121220219	121368577	Gm15800	**3.12522**	170525
chr16	31296192	31314808	Apod	**20.00898**	145974
chr1	138062859	138175305	Ptprc	**3.02684**	60443
chr13	64192545	64274988	Cdc14b	**2.03215**	42922
chr6	87628429	87672168	Aplf	**3.06054**	34344
chr12	85234520	85270564	Mlh3	**2.65073**	50709
chr18	67665501	67724621	Ptpn2	**2.72321**	80658
chr17	25748613	25754327	Msln	**0.2616**	1950
chr12	84038379	84044723	Acot4	**4.76695**	39061
chr2	144270904	144281227	Mgme1	**2.49893**	24977
chr13	23353103	23369208	Zfp322a	**2.28357**	41826
chr10	70245276	70285951	Slc16a9	**3.49231**	43854
chrX	53243415	53269805	Fam122b	**2.22085**	26706
chr9	3335231	3385846	Alkbh8	**2.74286**	21934
chr11	101769742	101785310	Etv4	**3.44666**	28376
chr8	119862305	119876989	Klhl36	**2.511**	18956

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chr7	43579586	43593710	Zfp719	**2.2219**	39099
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chr11	78166106	78176666	Nek8	**3.00733**	29677
chr13	96480689	96542485	Polk	**2.20835**	32891
chr5	124493080	124531391	Rilpl1	**5.5649**	44109
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chr7	24462500	24475873	Plaur	**3.60996**	17761
chr14	76110891	76137379	Nufip1	**2.9175**	40862
chr10	43479140	43515417	Bend3	**3.19984**	68217
chr3	19894871	19898984	4632415L05Rik	**2.40965**	34938
chr5	134099748	134141758	Gatsl2	**2.82478**	47239
chr14	47387779	47418407	Dlgap5	**2.65139**	27697
chr5	134489383	134552434	Clip2	**2.8693**	50542
chr6	22875502	23052916	Ptprz1	**1.26093**	35854
chr7	143795594	143822841	Nadsyn1	**3.11359**	28871
chr12	110279230	110281097	Dio3	**5.05946**	33309
chr5	53809627	53904380	Tbc1d19	**2.96934**	28130
chr6	88842558	88874044	Podxl2	**4.94413**	25754
chr9	22475715	22888280	Bbs9	**2.18697**	26499
chr16	36041190	36042974	Wdr5b	**2.46464**	15505
chr3	64258961	64287417	Vmn2r3	**1.78915**	16836
chr2	120403896	120460852	Ganc	**2.40546**	35937
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chr11	88973935	88991613	Coil	**2.56911**	23605
chrX	135743563	135747326	Armcx5	**2.82265**	23935
chr7	26173409	26210660	Cyp2b9	**3.19536**	21138
chr14	54875597	54877538	Ppp1r3e	**2.59548**	16941
chr3	90213381	90213648	Rps27	**3.90327**	3164
chr13	92449620	92484031	Fam151b	**2.44143**	11900
chr12	80120546	80132844	2310015A10Rik	**2.33363**	39848
chr11	62458460	62513900	Pigl	**3.04682**	17793
chr2	60598292	60722603	Itgb6	**2.02643**	36495
chr7	81600481	81706925	Homer2	**2.16812**	84940
chr16	13109736	13152009	Ercc4	**2.37388**	56080
chr1	78310346	78420286	Sgpp2	**11.72111**	154208
chr11	63128982	63159547	Pmp22	**6.04853**	50138
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chr14	45134448	45219394	Txndc16	**2.23801**	31771
chr5	107403513	107430031	Ephx4	**2.479**	10991
chr2	91061781	91070315	Slc39a13	**3.69609**	31146
chr7	112368308	112413104	Micalcl	**2.27595**	19227
chr6	72438683	72440615	4930414L22Rik	**2.74155**	16619
chr1	191537365	191575534	Dtl	**2.19672**	32532
chr4	12089370	12096271	Rbm12b2	**2.19173**	26464
chr3	89939481	89963332	Atp8b2	**2.54986**	49040
chr3	87922601	87930195	Rrnad1	**2.50766**	22024

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chr9	24411779	24503140	Dpy19l1	**2.99139**	49962
chr11	101442245	101445596	Rpl27	**2.48949**	6440
chr17	44495987	44814797	Runx2	**2.48571**	69366
chr18	63708695	63989759	Wdr7	**3.2472**	81346
chr8	9970020	9976323	Lig4	**2.37671**	34184
chr9	59518685	59525501	Tmem202	**1.79913**	7964
chr7	78192114	78577838	Ntrk3	**2.71128**	49402
chr4	132458729	132463921	Med18	**2.18684**	12925
chr4	70223024	70410367	Cdk5rap2	**2.80843**	55458
chr1	121431067	121506460	Ccdc93	**2.66549**	68164
chr19	3986661	3990005	Acy3	**2.37865**	12600
chr7	33743799	33745103	Scgb1b24	**10.37706**	14629
chr2	140170646	140205252	Ndufaf5	**2.9128**	28046
chr4	59805650	59904740	Snx30	**2.48056**	65629
chr11	34809185	34833641	Spdl1	**2.68366**	23740
chr11	108920349	108950781	Axin2	**2.55912**	38404
chr15	31291479	31367759	Ankrd33b	**3.69129**	111881
chr3	34650005	34652460	Sox2	**2.06046**	17835
chr4	141576062	141606052	Fblim1	**4.26102**	47575
chr14	54906727	54913132	Slc22a17	**3.17506**	25670
chr2	158624913	158639211	Actr5	**2.91333**	24324
chr19	59902884	59943654	Rab11fip2	**2.89517**	62038
chr2	26362765	26380653	Snapc4	**1.80972**	28644
chr19	18632016	18652184	Nmrk1	**1.9296**	11085
chr17	22197265	22225614	Gm4944	**2.50144**	43022
chr9	53537047	53575627	Npat	**2.37044**	61379
chr4	152274362	152285337	Gpr153	**3.73759**	49753
chr9	96823343	96889474	Pxylp1	**1.90019**	21899
chr2	121461666	121474023	Mfap1b	**1.9976**	13285
chr10	80702693	80705382	Izumo4	**2.56545**	8481
chr2	57107226	57124003	Nr4a2	**1.5245**	17983
chr11	83753637	83783754	Heatr6	**2.46518**	49288
chr9	124102183	124109140	Ccr2	**3.51563**	44469
chr2	130589996	130630038	Ubox5	**2.35249**	30055
chr8	109868603	109944671	Phlpp2	**2.33739**	64642
chr6	93675453	94283917	Magi1	**2.55786**	88796
chr9	37489321	37524150	Msantd2	**2.12204**	17134
chr2	155956558	155998900	Cep250	**2.70984**	76184
chr7	48866429	48881041	E2f8	**2.52806**	32886
chr18	46282151	46311928	Ccdc112	**2.12192**	20947
chr14	55784995	55788857	Ripk3	**1.83952**	12104
chr13	64096310	64129330	Slc35d2	**1.72251**	13817
chr1	172271709	172298064	Atp1a2	**12.01015**	263577
chr17	7945614	7979556	Rsph3a	**2.11111**	14583
chr2	30266203	30282149	Phyhd1	**2.3339**	14699
chr15	83483769	83510907	Ttll1	**2.08208**	15219

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chr4	56876013	56947429	Tmem245	**2.27909**	55383
chrX	129749742	130465833	Diap2	**3.07784**	91563
chr9	119444923	119465518	Exog	**2.33472**	31992
chr1	163994945	163997244	Mettl18	**3.06334**	15741
chr10	21124930	21160984	Myb	**2.45277**	32650
chr5	138273660	138279937	Gpc2	**1.83985**	16295
chr11	103133339	103139908	Hexim2	**3.0826**	21196
chr11	64079484	64083259	2810001G20Rik	**3.20774**	10186
chr17	56162491	56173955	Tnfaip8l1	**3.12485**	26046
chr18	73735038	73754479	Elac1	**2.4798**	43445
chr4	123233556	123249870	Heyl	**3.3156**	52958
chr15	73723145	73758766	Ptp4a3	**6.6899**	108905
chr4	8690406	8868449	Chd7	**2.98454**	118923
chr17	40571869	40571969	Esp6Esp5	**3.5622**	1268
chr9	44410448	44418007	Ccdc84	**3.07073**	10357
chr13	67490167	67500522	Zfp58	**1.79205**	14899
chr7	27179741	27181149	Mia	**0.50042**	1000
chr8	94745684	94751388	Ccl22	**1.91144**	12200
chrX	95420314	95444840	Amer1	**1.95662**	58394
chr9	59321966	59353508	Bbs4	**2.09277**	18749
chr6	91440987	91441755	1810044D09Rik	**1.8589**	3184
chr7	102069897	102071218	Xndc1	**2.44642**	1095
chr7	66109515	66173798	Chsy1	**2.85391**	42003
chr6	49319353	49341581	Ccdc126	**2.23031**	17851
chr4	72201244	72203930	C630043F03Rik	**2.99062**	28321
chr4	126148003	126149874	Eva1b	**3.53852**	16998
chr11	82115185	82116799	Ccl8	**19.37536**	34894
chr11	103219764	103267401	Map3k14	**2.13896**	31458
chr8	110721484	110741400	Mtss1l	**2.61457**	43392
chr6	54595111	54645822	Plekha8	**2.39944**	59094
chr11	95009879	95026087	Samd14	**2.0911**	24453
chr5	134220053	134229625	Ncf1	**2.95494**	30920
chr4	111415006	111460298	Bend5	**2.27899**	15325
chr3	97658212	97673067	Prkab2	**3.41793**	51328
chr8	104831644	104838652	Ces2b	**1.07507**	7180
chr9	75232014	75305450	Myo5c	**4.22912**	100340
chr1	58210397	58268596	Aox4	**1.95719**	34296
chr3	100938860	100969663	Ttf2	**2.44025**	39054
chr5	137641100	137641472	Gm20605	**1.65984**	2182
chr17	37480851	37483529	H2-M2	**2.99004**	16102
chr11	60740059	60777365	Top3a	**2.01387**	26545
chr6	127085116	127109552	9630033F20Rik	**2.98109**	38380
chr6	127453723	127494239	Parp11	**2.43213**	31921
chr19	15955773	15984989	Cep78	**2.81647**	25302
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chr10	127749602	127751798	Gpr182	**3.13587**	18722

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chr4	117873000	117883476	B4galt2	**3.32775**	29168
chr15	89071198	89075854	1810021B22Rik	**1.36013**	3135
chr11	106789252	106818861	Cep95	**2.32496**	22345
chr3	27183004	27244911	Nceh1	**2.8487**	44115
chr13	8802966	8871736	Wdr37	**2.4104**	67961
chr3	145987870	146021720	Syde2	**2.17243**	42072
chr3	88082051	88121048	Iqgap3	**2.73232**	54658
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chr17	32412461	32424167	Pglyrp2	**2.97399**	30155
chr2	6539699	7396198	Celf2	**2.18649**	72598
chr3	19995945	20035310	Hps3	**2.30732**	33438
chr1	181051237	181060667	9130409I23Rik	**5.51438**	36887
chr2	128126038	128162547	Bcl2l11	**1.95397**	47992
chr12	8974001	9028847	Wdr35	**2.51954**	39000
chr6	53815468	53820825	Tril	**2.77014**	52310
chrX	48541626	48594452	Zfp280c	**1.78565**	25815
chr5	138139702	138155744	Zfp113	**2.0599**	46971
chr14	45458792	45530065	Fermt2	**4.49294**	51352
chr9	13619989	13709533	Maml2	**2.10408**	45524
chr19	38097079	38114263	Ffar4	**4.33024**	21259
chr15	75979872	75982285	Ccdc166	**2.54317**	20624
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chr10	51490898	51496611	Lilrb4	**3.60746**	19071
chr7	12965864	12973822	Zfp324	**2.56007**	38698
chr17	33380179	33394637	Zfp101	**2.35968**	22712
chr1	33761541	33814595	Zfp451	**2.2825**	45724
chr15	27655071	27681542	Fam105a	**3.06897**	33184
chr12	69201779	69228190	Pole2	**2.44702**	14618
chr17	35199367	35202007	Tnf	**4.37573**	25492
chr15	101128522	101145336	Acvrl1	**2.84107**	37929
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chr14	59402011	59440877	Setdb2	**2.68617**	28723
chr11	102453297	102469883	Itga2b	**3.15539**	38222
chr14	79397772	79423650	Mtrf1	**2.80128**	18383
chr3	132684144	132838506	Tbck	**2.29478**	33224
chr9	44998743	45009590	Cd3e	**1.37029**	6935
chr12	72536357	72580213	Pcnxl4	**2.40126**	37406
chr8	79711820	79777321	Anapc10	**2.22506**	21973
chr12	21111756	21269805	Asap2	**1.96263**	36750
chr11	77515117	77520628	Abhd15	**3.11048**	35617
chr13	75645046	75645141	Mir682	**2.10145**	711
chr15	34495311	34530653	Pop1	**1.69031**	20213
chr7	19013283	19023539	Foxa3	**3.99309**	28695
chr7	134266262	134376828	D7Ertd443e	**1.301**	12247

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chr9	58488603	58499742	6030419C18Rik	**2.16698**	16336
chr2	91096797	91115756	Spi1	**3.45681**	16240
chr11	115912017	115913917	Smim6	**3.17672**	10916
chr4	154021513	154026044	Smim1	**2.49044**	20407
chr1	132026621	132068062	Mfsd4	**4.25726**	72815
chr10	81393064	81395079	Smim24	**2.62422**	5318
chr11	16971206	17008718	Plek	**3.48468**	50562
chr2	37799104	38287384	Dennd1a	**3.38472**	50555
chr2	14026831	14056035	Ptpla	**3.49185**	12405
chr9	60587235	60688134	Lrrc49	**2.59287**	28429
chr7	143665807	143685872	Tnfrsf23	**4.14123**	47916
chr7	126382854	126396737	Nfatc2ip	**2.11398**	25242
chr12	113156421	113165458	4930427A07Rik	**2.55146**	30169
chr4	136172394	136196056	E2f2	**2.04457**	34141
chr1	179528056	179546267	Tfb2m	**2.86104**	24684
chr17	35972539	35979825	Prr3	**2.42514**	19248
chr5	124598749	124627738	Tctn2	**1.61834**	15588
chr11	73090595	73147449	Itgae	**1.50879**	20398
chr3	94837567	94883567	Pogz	**2.3726**	63885
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chr3	29951296	30509487	Mecom	**1.61856**	31397
chr17	35170992	35176001	Aif1	**3.15097**	9717
chr13	4268172	4279399	Akr1c12	**3.21195**	13935
chr3	121155402	121171695	Rwdd3	**3.03665**	18151
chr4	128930233	128962455	Azin2	**2.13919**	21125
chr16	55973268	55974617	2310061J03Rik	**2.36026**	6505
chr15	83866712	84065349	Efcab6	**0.52207**	9404
chr5	108694229	108706950	Fgfrl1	**2.47652**	23182
chr4	151059523	151861768	Camta1	**2.62175**	95902
chr14	11553553	12242039	Ptprg	**2.6603**	86164
chr17	6954965	6961156	Tagap1	**2.80803**	23336
chr12	31519819	31559969	Slc26a4	**1.44603**	15712
chr9	103208876	103230286	Trf	**6.79113**	55815
chr2	109092300	109278290	Mettl15	**2.79088**	18600
chr9	108053159	108055701	Amigo3	**2.7902**	25007
chr13	21513221	21531114	Zkscan8	**2.30808**	72389
chr6	112619851	112696670	Rad18	**2.46142**	23431
chr14	118875520	118923167	Dzip1	**2.48196**	39153
chr5	100846229	100899102	Agpat9	**2.03381**	20622
chr6	57580992	57665136	Herc6	**2.2826**	42468
chr17	32536629	32551797	Cyp4f16	**2.25604**	17230
chr2	114193461	114201432	Zfp770	**2.38906**	35894
chr2	178414534	178422161	Fam217b	**2.51568**	20073
chr2	13510161	13544664	Trdmt1	**2.89388**	26895
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chr16	90738324	90749776	Mrap	**4.05044**	14161
chr9	120539818	120568326	Entpd3	**2.6504**	32245
chr16	11322904	11755473	Snx29	**2.52934**	25067
chr2	146241299	146512004	Ralgapa2	**2.79597**	94697
chr3	152236984	152266320	Nexn	**4.47133**	40405
chr5	143249695	143270022	Zfp316	**2.15351**	52316
chr7	33737193	33739295	Scgb2b24	**3.61641**	6411
chr17	32036162	32062862	Rrp1b	**2.05218**	36720
chr19	11321039	11336146	Ms4a7	**4.13241**	24992
chr14	99046377	99074107	Bora	**2.99405**	24196
chr11	78183059	78183113	Snord42b	**2.02745**	393
chr3	127670310	127780527	Alpk1	**1.96576**	33220
chr4	42953094	42958732	Dnajb5	**3.47013**	28239
chr11	69393612	69395346	Cyb5d1	**2.5581**	6906
chr9	95861369	95951644	Atr	**2.66493**	74076
chr7	16309583	16318334	Bbc3	**3.18561**	22185
chr5	90903899	90905938	Cxcl2	**4.22492**	16126
chr15	84729332	84772207	Arhgap8	**3.44191**	17844
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chr18	34732997	34751533	Cdc25c	**3.22083**	22033
chr3	88282760	88296838	Tsacc	**1.8269**	3097
chr18	20944625	20983848	Rnf125	**2.9363**	13805
chr3	68892499	69004570	Ift80	**2.78724**	40177
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chr7	25681158	25686558	B9d2	**2.52753**	9095
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chr9	69397998	69433074	Ice2	**2.56119**	36368
chr14	63372837	63417187	Blk	**1.46696**	12796
chr2	180277646	180289879	Rbbp8nl	**1.92732**	15752
chr17	6904716	6948356	Rsph3b	**2.03804**	11593
chr12	103946932	103956897	Serpina1e	**6.56589**	31772
chr15	78559169	78572783	Rac2	**2.27562**	24349
chr13	111255013	111257749	Actbl2	**2.21839**	21399
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chr12	4133397	4211605	Adcy3	**2.13609**	27742
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chr6	112273758	112330423	Lmcd1	**5.53029**	33680
chr9	122888471	122896124	Zkscan7	**2.51774**	19770
chr17	32506462	32528894	Cyp4f17	**2.23154**	13315
chr17	24720789	24720905	Snora64	**2.07591**	856

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chr15	78597047	78622019	Cyth4	**3.14035**	30890
chr10	126868428	126901371	Xrcc6bp1	**2.27428**	10941
chr5	30888852	30906515	Agbl5	**2.17374**	29541
chr13	54371349	54383917	Cplx2	**2.03817**	35399
chr9	122951081	123018733	Kif15	**2.39917**	40781
chrX	36608183	36645414	Akap17b	**1.60325**	34767
chr11	84876313	84880195	Pigw	**2.99066**	28216
chr11	72154097	72203371	4933427D14Rik	**1.87784**	28670
chr17	21690212	21692213	Gm10509	**2.2325**	15752
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chr2	164189231	164190558	Wfdc12	**1.12439**	2873
chr18	80606205	80713071	Nfatc1	**2.61916**	68613
chr14	70217898	70289449	Ppp3cc	**3.15041**	21629
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chr2	91457531	91513901	Lrp4	**1.83002**	60672
chr15	79889532	79893138	D730005E14Rik	**2.47138**	30006
chr4	147822986	147848375	Zfp933	**2.43955**	36515
chr11	34204341	34208089	Foxi1	**3.80758**	31589
chr6	120324322	120364098	Ccdc77	**2.41029**	22630
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chr11	94343295	94392976	Abcc3	**1.94261**	34246
chr11	45945306	45955503	Thg1l	**2.18797**	30598
chr3	110246104	110250999	Prmt6	**2.55372**	38044
chr3	53041547	53261679	Lhfp	**4.84884**	35699
chr16	46394858	46496967	Pvrl3	**2.02511**	29598
chr17	37270234	37274485	H2-M3	**4.15753**	20880
chr11	69686240	69686956	Tnfsf12	**3.01191**	7611
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chr17	42708937	42742179	Gpr111	**2.08712**	24149
chr7	41633531	41651532	Zfp788	**1.95255**	26363
chr16	21794347	21809039	1300002E11Rik	**2.29149**	31973
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chr19	47067748	47083470	Taf5	**2.04853**	23457
chr15	32244813	32696341	Sema5a	**1.79426**	68352
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chr18	3266354	3337589	Crem	**2.71978**	40767
chr14	32513521	32580989	Ercc6	**2.56218**	76051
chr4	41517437	41518929	Fam219aos	**3.89461**	9718
chr2	139833479	140066805	Tasp1	**2.26796**	31285

chr11	82980303	82991830	Slfn9	**1.35924**	18472
chr7	6172513	6193104	Zfp444	**2.04317**	31187
chr7	45131189	45136432	Flt3l	**2.49189**	9441
chr17	45506841	45520843	Aars2	**3.25618**	38433
chr3	96832674	96870926	Pdzk1	**2.61074**	21816
chr5	37338478	37425054	Evc2	**2.2392**	32443
chr15	103503034	103530056	Pde1b	**4.21756**	54507
chr4	141010424	141015984	Mfap2	**4.72916**	18984
chr1	189640614	189688086	Cenpf	**2.63777**	103395
chr17	24753003	24758684	Hs3st6	**2.02199**	8694
chr2	32712900	32712972	Mir3960	**2.33211**	600
chr12	104028769	104044443	Serpina12	**0.16332**	2124
chr6	58933536	59024502	Fam13a	**2.16463**	32751
chr8	77663029	77724452	Ednra	**3.06802**	39391
chr17	32815453	32830261	Zfp799	**2.30579**	51554
chr6	118151748	118197744	Ret	**1.82592**	39023
chr10	11149430	11215273	Shprh	**2.17159**	71093
chr3	95988836	95995839	Plekho1	**3.78507**	18169
chr6	48537569	48541800	Atp6v0e2	**3.12253**	20183
chr16	4480228	4523053	Srl	**10.07691**	176792
chr5	12383166	12588943	Sema3d	**0.68701**	15789
chr12	84100654	84109783	Acot6	**2.66454**	17110
chr8	33234373	33385527	Wrn	**2.6058**	58620
chr16	15550986	15594518	Ube2v2	**2.32751**	48332
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chr7	15971262	15999495	Gltscr1	**2.02164**	38190
chr7	127865359	127876823	Zfp668	**2.4591**	29909
chr3	92352143	92353449	Sprr2e	**2.01731**	4600
chr1	85199611	85213762	Gm7609	**7.56938**	42977
chr16	14906646	14924522	Efcab1	**1.21671**	4837
chr6	112717972	112947266	Srgap3	**1.59001**	49795
chr7	97332323	97350216	Kctd21	**1.88969**	19800
chr12	12936093	12941836	Mycn	**3.3781**	30907
chr19	41274218	41385070	Pik3ap1	**3.01686**	27804
chr15	102536644	102625421	Atf7	**2.28254**	22959
chr3	107326110	107333289	Rbm15	**1.77532**	20460
chr5	138264053	138266661	6330418K02Rik	**1.35549**	1930
chr17	63045952	63500580	Fbxl17	**2.40703**	144113
chr17	33016864	33033381	Zfp763	**1.83789**	21926
chr1	180935039	180938401	Lefty1	**2.62919**	14863
chr4	149715375	149738068	Tmem201	**2.4948**	55446
chr12	76546972	76547925	AI463170	**2.31668**	4409
chr19	18670780	18704792	2410127L17Rik	**2.50488**	18486
chr8	22227303	22261332	Thsd1	**2.68489**	41919
chr14	47240944	47276857	Wdhd1	**1.8874**	27765
chr1	74661754	74697973	Ttll4	**2.17184**	32554
chr4	21757382	21767211	Tstd3	**1.95609**	9038

chr7	127403668	127406822	Zfp764	**2.01763**	17834
chr7	19903578	19921143	Pvr	**1.92477**	19591
chr5	122239495	122264460	Tctn1	**1.59213**	15358
chr9	41013641	41157494	Ubash3b	**2.18654**	24991
chr19	45363734	45533343	Btrc	**2.00004**	44584
chr15	77940522	77956722	Foxred2	**2.45956**	42397
chr2	9914552	10048609	Taf3	**2.24382**	37998
chr11	5058128	5060374	Rasl10a	**2.98662**	11568
chr4	59314683	59438633	Susd1	**1.29211**	15005
chr19	8888387	8888698	5730408K05Rik	**1.09949**	1209
chr9	20637749	20642806	Fbxl12	**1.96776**	14744
chr1	172630769	172632974	Dusp23	**2.79835**	13975
chr3	135212563	135273540	Cenpe	**2.6159**	72031
chr17	59001401	59013322	Nudt12	**3.0726**	24690
chr8	105264648	105269326	Fbxl8	**1.98961**	13330
chr8	111448784	111522107	Wdr59	**2.44247**	43893
chr18	67321209	67344103	B430212C06Rik	**2.66172**	24606
chr16	90386397	90499553	Hunk	**2.55603**	45123
chr1	161038092	161038156	Snord47	**1.55838**	357
chr3	104864506	104930063	St7l	**2.68219**	54109
chr11	105179342	105181433	1700052K11Rik	**1.7833**	12526
chr7	119895861	119916756	Lyrm1	**2.68651**	14297
chr11	116062096	116077961	Unc13d	**2.27793**	31848
chr2	179976853	179979013	4921531C22Rik	**2.55753**	17171
chr2	38511697	38587490	Nek6	**2.32845**	26851
chrX	53642489	53643763	Cxx1a	**2.82627**	12700
chr6	121300296	121337718	Slc6a13	**1.67195**	12669
chr5	36017181	36398139	Sorcs2	**3.10075**	62520
chr7	19282624	19296164	Rtn2	**8.66013**	64156
chr10	80808496	80813498	Jsrp1	**8.68914**	34176
chr17	69156810	69289987	Epb4-1l3	**1.19269**	17003
chrX	137049594	137082501	Fam199x	**2.36485**	69152
chr5	33995984	34005916	Nat8l	**0.2129**	4899
chr9	107651155	107668968	Slc38a3	**2.06664**	19855
chr17	33289544	33304689	Zfp955b	**2.49903**	28501
chr11	106768204	106779537	Polg2	**2.0935**	11119
chr2	156840007	156855569	Tgif2	**1.8681**	12562
chr4	84884309	85131921	Cntln	**2.85148**	69835
chr15	81400188	81454888	Xpnpep3	**2.51262**	28656
chr14	75847923	75848034	Snora31	**1.69737**	670
chr17	34589806	34591754	Gpsm3	**2.68253**	12697
chr9	44686308	44735198	Phldb1	**2.73483**	52636
chr8	71676383	71688313	Jak3	**2.62569**	34045
chr10	79664574	79668536	Madcam1	**1.43308**	7172
chr1	119658093	119837071	Ptpn4	**2.5838**	42854
chr6	18170687	18322769	Cftr	**1.9652**	43662
chr18	78750378	79109391	Setbp1	**2.63762**	92541

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chr7	12897809	12909083	Zscan22	**1.90058**	23491
chr19	36731731	36736604	Ppp1r3c	**2.93908**	27719
chrX	135743442	135803468	Gprasp1	**2.65812**	52415
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chr13	23583670	23621124	Hist1h2be	**2.56869**	22723
chr17	14947736	14948823	LOC106740	**2.9777**	11418
chr1	191045830	191062932	Tatdn3	**2.59078**	11304
chr2	33406108	33431324	Zbtb34	**1.8823**	43797
chr10	23785347	23785451	Snora33	**1.15387**	427
chr10	13090788	13131695	Plagl1	**0.71191**	13200
chr19	34922358	34975731	Kif20b	**2.56375**	50265
chr19	3913491	3929716	Aldh3b1	**2.74818**	17744
chr1	74191786	74194631	Cxcr1	**1.39522**	5527
chr1	172541620	172550806	4933439K11Rik	**1.10511**	3665
chr8	105269801	105275845	Hsf4	**2.36185**	14592
chr15	101224207	101232756	Grasp	**2.82359**	20042
chr14	65192441	65262463	Fzd3	**2.29307**	102976
chr18	47245254	47368868	Sema6a	**3.20477**	77866
chr9	21937010	21948907	Lppr2	**2.64577**	25708
chr4	127047094	127061132	Zmym1	**1.9824**	26773
chr14	54852737	54864158	Homez	**1.88945**	38796
chr4	11191351	11204779	Ccne2	**1.83953**	9634
chr7	5034446	5038446	Zfp784	**2.51029**	18986
chr1	51289126	51302960	Sdpr	**8.72757**	93969
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chr5	33213518	33218238	Spon2	**2.87862**	22695
chr19	10570478	10577156	Tmem138	**2.08956**	13219
chr17	86167785	86657919	Prkce	**2.4562**	54138
chr4	155260118	155361428	Prkcz	**1.62795**	26685
chr13	91707902	91741872	4833422C13Rik	**2.42149**	26456
chr7	46686108	46710651	Saal1	**1.94427**	32199
chr17	79051906	79090243	Qpct	**2.7697**	18781
chr13	67617001	67637753	A530054K11Rik	**2.19075**	39987
chr9	43221278	43239816	Oaf	**3.24364**	27299
chr6	40325478	40396762	Agk	**2.38698**	18718
chr13	106947129	106960224	Dimt1	**2.15263**	19308
chr5	138264925	138272754	Gal3st4	**2.45731**	24535
chr12	110889264	110972394	Tecpr2	**1.94865**	54530
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chr15	58872649	58876781	Trmt12	**1.95824**	28524
chr2	152931898	152933208	Foxs1	**3.20316**	14800
chr9	101922128	102354693	Ephb1	**1.89577**	31182
chr8	124722139	124734123	Arv1	**2.07313**	8512
chr8	57455923	57477585	Scrg1	**2.09035**	5157
chr2	32712807	32712888	Mir2861	**1.56057**	451

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chr2	4152863	4614043	Frmd4a	**2.99792**	78905
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chr15	79995876	80014808	Pdgfb	**2.75455**	28561
chr12	104406708	104414329	Serpina3n	**11.26249**	82760
chr8	11312829	11449287	Col4a2	**4.16734**	94380
chr6	18366477	18514825	Cttnbp2	**2.19562**	45895
chr19	40596446	40612215	Tctn3	**2.21265**	21250
chr4	20008428	20030785	Ttpa	**3.58183**	38540
chr2	37569868	37647285	Strbp	**2.21078**	127377
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chr5	25530018	25531466	1700096K18Rik	**2.47415**	12635
chr13	67389328	67399767	Zfp429	**1.52203**	10900
chr5	38200044	38220428	Zbtb49	**1.63732**	17225
chr9	8021672	8042823	9230110C19Rik	**2.30663**	12942
chr11	100694884	100704271	Dhx58	**2.2258**	18921
chr3	87971093	87980451	Nes	**2.08807**	45082
chr7	4992852	4996101	Zfp579	**1.90259**	14477
chr1	21218575	21230167	Tmem14a	**2.08615**	9933
chr15	66780819	66831829	Sla	**1.42322**	15725
chr17	3326573	3519255	Tiam2	**1.7727**	42615
chr1	91494668	91529307	Traf3ip1	**1.73584**	21412
chr3	7366604	7445365	Pkia	**5.11587**	66387
chr8	36094828	36147787	D8Ertd82e	**1.941**	32699
chr10	30645582	30803107	Ncoa7	**3.0792**	57929
chr18	84207702	84589504	Zfp407	**2.36148**	65816
chrX	48623578	48662298	Slc25a14	**1.52286**	10015
chr4	154922210	154928077	Tnfrsf14	**1.85813**	5848
chr11	114996769	115001880	AF251705	**3.31494**	13307
chr16	17070139	17086555	Ypel1	**2.36748**	23563
chr8	111912018	111933791	Tmem231	**1.92102**	19546
chr10	5811887	5823943	Mtrf1l	**1.67851**	15505
chr14	32959547	33185066	Wdfy4	**1.81097**	61789
chr7	127390836	127393621	E430018J23Rik	**2.05426**	15660
chr12	85686720	85709087	Batf	**2.5298**	8060
chr10	58600788	58675696	Edar	**1.68833**	21897
chr12	87106866	87147902	Pomt2	**2.27208**	36699
chrX	20933395	20950608	Elk1	**2.4385**	30492
chr19	56874416	56912078	Vwa2	**2.55475**	34953
chr13	58402248	58411149	Rmi1	**1.86149**	24648
chr14	34237035	34310503	Fam35a	**2.73753**	33305
chr2	22774327	22875653	Apbb1ip	**2.04706**	18325
chr4	137468803	137570630	Hspg2	**2.77857**	138831
chr13	37345345	37419036	Ly86	**3.03263**	10656
chr2	113327736	113716767	Fmn1	**2.50701**	120597
chr1	192136898	192151025	Gm10516	**1.26781**	11671
chrX	157443954	157492046	Sms	**2.60566**	31012

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chr1	160044380	160078586	4930523C07Rik	**2.39715**	40544
chr11	102905519	102925124	Kif18b	**1.98771**	23370
chr10	128232063	128252941	Timeless	**1.90146**	30257
chr7	99267447	99337137	Map6	**1.97642**	23899
chr6	3457089	3494498	Hepacam2	**2.43831**	19215
chr6	147032537	147033518	Rep15	**3.53548**	12236
chr4	153964449	153975081	Dffb	**1.83475**	13243
chr14	16430840	17082331	Rarb	**1.61061**	21434
chr7	28359604	28372662	Plekhg2	**1.91707**	35620
chr2	94406707	94411680	2810002D19Rik	**1.81846**	9498
chr4	19876838	19922566	Atp6v0d2	**2.88784**	25475
chr19	10718143	10738974	Cd5	**1.05405**	7686
chr16	93583461	93603815	Setd4	**2.09765**	13492
chr8	110217960	110224489	Cmtr2	**2.1334**	26895
chr15	103240454	103241079	Gm5643	**4.40584**	1118
chr7	29304005	29317586	Dpf1	**2.02205**	16234
chr4	57845248	57896984	Akap2	**2.84958**	68985
chr7	122169893	122186216	Ern2	**4.8669**	50995
chr8	83434492	83458396	Scoc	**2.07667**	15238
chr8	83165352	83272940	Tbc1d9	**1.81379**	37383
chr17	56775897	56831008	Rfx2	**2.70758**	31996
chr2	69670120	69684239	Klhl41	**9.95738**	89067
chr5	104525735	104554211	D930016D06Rik	**1.86908**	25091
chr6	127577975	127629938	Cracr2a	**3.51199**	13541
chr7	41372930	41393260	AI987944	**2.59149**	25683
chr5	122731170	122779410	Camkk2	**2.36655**	40777
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chrX	134295225	134305969	Tmem35	**1.61249**	10900
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chr18	61696837	61707635	Pcyox1l	**2.43971**	17343
chr2	121506723	121544859	Wdr76	**1.3715**	20514
chr12	75308313	75401455	Rhoj	**4.55271**	37835
chr5	97082329	97111596	Paqr3	**1.62505**	7875
chr18	35656689	35662186	Spata24	**2.46083**	8404
chr4	45799022	45804608	Aldh1b1	**2.05828**	16699
chr8	69135503	69140953	Lzts1	**2.24769**	14259
chr8	120736358	120756692	Irf8	**2.73656**	33110
chr10	86779005	86838389	Nt5dc3	**2.62669**	55100
chr9	121981606	121996026	Pomgnt2	**2.02435**	18400
chr11	4091481	4095431	Mtfp1	**2.33963**	11511
chr15	60823992	60831400	9930014A18Rik	**2.13926**	28899
chr16	55966275	55971437	Rpl24	**1.96069**	4692
chr18	67800107	67885170	Cep192	**1.79521**	51204
chr4	43448260	43454626	Cd72	**1.72294**	7226
chr3	107888850	107896213	4933431E20Rik	**1.98532**	30073
chr12	4211672	4234294	Cenpo	**2.07011**	22223

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chr16	35770386	35828462	Hspbap1	**1.65426**	26854
chr2	177828991	177840318	Gm14325	**1.75418**	27054
chr10	127677065	127701047	Tmem194	**1.76466**	37322
chr15	32240568	32244662	Snhg18	**3.02184**	15794
chr14	67676354	67715841	Cdca2	**2.37**	32843
chr17	48346401	48352276	Trem2	**3.88396**	15687
chr7	31051678	31055656	Fxyd1	**8.38546**	21042
chrX	104482782	104506262	Uprt	**1.48555**	5822
chrX	73716597	73738287	Abcd1	**2.21919**	26600
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chr12	117516479	117756978	Rapgef5	**2.07037**	29092
chr3	28263214	28670585	Tnik	**1.85844**	46602
chr10	80016672	80031471	Hmha1	**2.11593**	30217
chr1	165865154	166002634	Pou2f1	**1.96182**	75316
chr7	24507087	24515682	Zfp428	**2.15429**	9316
chr5	143910001	143931756	Pms2	**1.99381**	22718
chr7	102083116	102083186	Trpc2	**2.92931**	733
chr15	11000721	11029233	Slc45a2	**1.47425**	15499
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chr19	10842544	10857828	Slc15a3	**2.10668**	16765
chr17	29318882	29328902	Pi16	**20.0856**	158921
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chrX	150571507	150588149	Apex2	**2.0506**	13623
chr9	64137144	64172931	Zwilch	**2.20453**	19657
chr8	45305802	45333196	Cyp4v3	**2.05183**	21188
chr11	83662584	83664683	Ccl4	**1.66718**	3878
chr4	120267078	120287261	Foxo6	**2.23714**	19932
chr17	33333728	33358878	Zfp81	**2.04877**	16268
chr7	118597297	118675085	Tmc5	**4.60492**	69900
chr2	139678178	139758581	Ism1	**3.35798**	35090
chr2	18842256	18998121	Pip4k2a	**2.69295**	32943
chr8	79028437	79193766	Zfp827	**1.94502**	52125
chr10	77978650	77985438	1810043G02Rik	**1.8766**	11217
chr2	160770447	160872990	Zhx3	**1.94108**	30648
chr9	76014977	76136350	Hmgcll1	**1.22389**	15593
chr4	129608331	129614257	Dcdc2b	**2.14414**	6529
chr7	142966822	142969264	Ascl2	**1.18864**	6753
chr7	140218267	140231145	Cd163l1	**0.87898**	10700
chr17	34857569	34857632	Mir6972	**0.27487**	62
chr10	30196009	30200540	Cenpw	**2.37519**	12657
chr17	35917889	35917969	Mir1894	**0.67257**	192
chr17	21383748	21399265	Zfp677	**2.72086**	27924
chrX	20425688	20519939	Jade3	**2.07594**	36516
chr9	99629595	99669256	Dzip1l	**2.35219**	32563
chr8	94472763	94527272	Nlrc5	**2.71573**	66472

chr10	67886105	67912662	Zfp365	**2.39249**	35895
chr12	70991615	71015823	3110056K07Rik	**1.52162**	8516
chr16	97791467	97851227	Prdm15	**1.65947**	37115
chr6	145808383	145817584	Rassf8	**1.43458**	8762
chr13	21831793	21832158	Hist1h4n	**1.01712**	1312
chr17	25794571	25797045	Metrn	**2.22724**	10699
chr6	47835661	47868257	Zfp398	**1.3877**	17010
chr4	115784814	115812314	Atpaf1	**2.22291**	18254
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chr13	59449535	59557347	Agtpbp1	**2.82978**	60577
chr2	11705293	11733985	Il15ra	**2.22134**	15822
chr9	22071002	22086131	Gm16845	**1.31993**	5680
chr14	103650243	103704799	Slain1	**1.33481**	12156
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chr3	122729158	122859374	Pde5a	**2.07624**	48829
chr10	41718840	41809868	Cep57l1	**1.729**	14253
chr10	69208552	69291784	Rhobtb1	**1.39605**	22751
chr2	180042483	180070201	Ss18l1	**1.58417**	24393
chr6	72368049	72380468	Vamp5	**3.35064**	19461
chr5	134600103	134615025	Lat2	**2.1345**	12578
chr17	57092023	57105942	Gm11110	**2.41151**	8720
chr5	124061857	124095798	Abcb9	**2.66148**	31273
chr16	36792884	36874826	Eaf2	**0.96236**	7360
chr5	124118689	124249760	Pitpnm2	**1.89245**	49082
chr11	58199556	58207592	Igtp	**2.24411**	16000
chr4	54947945	55083563	Zfp462	**2.21204**	81827
chr5	130255619	130341567	Tyw1	**2.43568**	56879
chr9	78230669	78242683	Gsta1	**0.39546**	1200
chr3	115881579	115888130	A930005H10Rik	**1.93569**	9585
chr13	51408618	51422797	S1pr3	**2.08799**	32997
chr5	100762148	100798600	Helq	**1.77145**	23025
chr5	47983155	48306282	Slit2	**1.89494**	57134
chr12	71136848	71243303	2700049A03Rik	**1.96909**	39994
chr15	75862339	75867404	Gsdmd	**3.21923**	20150
chr9	59734259	59750649	Senp8	**1.8916**	25900
chr10	127321964	127329881	Arhgap9	**2.74325**	23339
chr12	116207050	116263025	Wdr60	**1.97163**	25884
chr4	118554551	118620405	Cfap57	**2.71356**	37250
chr10	79689020	79695260	Gzmm	**2.08789**	9463
chr12	57303345	57457241	Mipol1	**1.92907**	8614
chr4	141614233	141618633	Tmem82	**1.53314**	9029
chr9	53437122	53536671	Atm	**1.92736**	81268
chr2	152411956	152415044	Zcchc3	**1.45121**	15799
chr13	112660766	112738752	Slc38a9	**1.49195**	46866
chr1	165648945	165708094	Rcsd1	**2.73963**	25780
chr8	94810453	94812036	Ccl17	**0.66243**	1200
chr9	15316998	15357788	5830418K08Rik	**2.32867**	59805

chr19	11067471	11081103	Ms4a8a	**1.38749**	5291
chr10	22645011	22703876	Slc2a12	**1.63879**	21705
chr2	158353700	158361509	9430008C03Rik	**1.71932**	19142
chr14	57582271	57664956	Xpo4	**1.8567**	22615
chr19	5474690	5481854	Efemp2	**2.4141**	15672
chr17	29695977	29717017	Ccdc167	**2.52771**	46173
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chr4	46344194	46345309	Foxe1	**2.23458**	8789
chr13	45549756	45964991	Atxn1	**1.80652**	67533
chr7	58658202	58829426	Atp10a	**1.30586**	25170
chr9	37603294	37613720	Spa17	**1.71025**	4159
chr10	76761854	76961947	Pcbp3	**1.58985**	12187
chr6	8509600	8597549	Glcci1	**1.8949**	41726
chr17	35185095	35188440	Lst1	**2.65938**	3899
chr15	74721234	74724373	Them6	**2.37289**	12444
chr10	53537324	53630439	Mcm9	**2.39995**	32759
chr4	45018609	45034247	Polr1e	**2.21874**	28612
chr7	127296260	127335137	Itgal	**1.62479**	29903
chr1	83116766	83119167	Ccl20	**0.85016**	2403
chr1	152517530	152625111	Rgl1	**2.31152**	31666
chr1	20777146	20784270	Il17f	**1.18024**	4900
chr2	158306493	158332852	Lbp	**5.5259**	49175
chrX	73342620	73359079	Zfp275	**1.74787**	39277
chr2	84330627	84425266	Calcrl	**2.75729**	46023
chr1	194619829	194816868	Plxna2	**2.36516**	91984
chr5	140663505	140702378	Iqce	**1.98175**	30445
chr5	108660331	108685446	Idua	**1.74168**	26849
chr18	61639653	61647503	Gm20748	**2.45373**	5353
chr1	33719896	33742564	Rab23	**1.75638**	27775
chr15	78480549	78495066	Il2rb	**1.20716**	11470
chr1	134962565	134974179	Ube2t	**2.475**	8339
chrX	162779091	162829454	Txlng	**2.35001**	45652
chr6	126923419	126939555	Rad51ap1	**2.16848**	14024
chr5	52783067	52819765	Zcchc4	**1.58254**	10731
chr13	21735096	21735407	Hist1h4j	**2.49363**	2742
chr13	94356749	94358923	Gm9776	**1.45483**	11152
chr1	153503016	153549714	Npl	**1.70244**	8418
chr9	51765352	51853059	Arhgap20	**2.27879**	49810
chr15	76701542	76704239	Mfsd3	**2.14599**	13213
chr4	34024872	34050065	Spaca1	**1.01585**	4819
chr6	83743017	83758810	Atp6v1b1	**2.91116**	19771
chrX	53607922	53609134	Cxx1c	**2.31164**	7756
chr10	76545871	76562226	4930483K19Rik	**2.54257**	9400
chr11	69299496	69323873	Cntrob	**2.00464**	27907
chr8	94533028	94570529	Cpne2	**2.59926**	21088
chr1	171682055	171705257	Cd48	**2.3293**	9375
chr13	94057796	94195409	Lhfpl2	**2.26417**	34696

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chr10	83487447	83534140	Aldh1l2	**3.08128**	65483
chr5	52374651	52471543	Ccdc149	**2.1168**	24746
chr12	86056743	86079041	Tgfb3	**4.14092**	49401
chr6	119175253	119221614	Dcp1b	**1.62762**	18993
chr10	75948312	75949646	Vpreb3	**0.66976**	1421
chr7	48959073	49610088	Nav2	**1.79497**	76331
chr3	88532395	88541394	Mex3a	**1.98094**	39753
chr1	132356315	132391281	Tmcc2	**1.87626**	22549
chr10	128296140	128298084	Il23a	**2.87873**	13788
chr2	80638812	80660071	Nup35	**2.25885**	22872
chr8	22787354	22805654	Ap3m2	**2.05803**	25147
chr14	63492347	63509092	Tdh	**1.02816**	6816
chr10	127070481	127071101	LOC100504703	**3.48767**	4044
chr14	57806561	57826163	Ska3	**2.24995**	17921
chr11	103774175	103818021	Wnt3	**1.31859**	14476
chr16	44347401	44388492	Spice1	**1.615**	24714
chr6	123262107	123275268	Clec4d	**3.36707**	15854
chr7	45335269	45338972	Hrc	**9.70074**	83079
chr6	117933559	117937335	Fxyd4	**2.52958**	4939
chr7	16175325	16186503	Meis3	**1.71233**	11074
chr5	139380667	139396414	Gpr146	**2.27113**	33794
chr6	115134902	115282626	Syn2	**2.3232**	46261
chr2	38723374	38926461	Nr6a1	**1.76103**	39132
chr10	78042287	78063622	Dnmt3l	**2.43644**	22927
chr17	25188400	25234317	Unkl	**1.33001**	22945
chr11	120348678	120351190	0610009L18Rik	**2.02926**	4427
chr17	45555716	45563168	Nfkbie	**2.29312**	19566
chr18	44828665	44889720	Ythdc2	**1.90095**	42201
chr8	105703652	105708168	Enkd1	**2.13416**	9605
chr1	38175991	38627244	Aff3	**1.43768**	36740
chr11	5861866	5872179	Aebp1	**8.34779**	117859
chr9	99612502	99622367	A4gnt	**0.98213**	9543
chr3	36151080	36170341	D3Ertd254e	**2.15758**	50377
chr7	64346758	64374095	Fan1	**1.57016**	19230
chr6	83512909	83536251	Actg2	**5.15154**	23875
chr6	115583547	115592576	Mkrn2os	**3.41996**	30603
chrX	20925535	20931524	Cfp	**3.01408**	16189
chr9	59751174	59928866	Myo9a	**1.97362**	83288
chr2	164805114	164822127	Zswim3	**1.43505**	13600
chr5	24164963	24184008	Nupl2	**2.26309**	23202
chrX	74272492	74272620	Snora70	**2.28311**	1038
chr5	149678257	149762599	B3glct	**2.17074**	34756
chr2	156995062	157007075	Dsn1	**2.19261**	17642
chr16	20695057	20702965	Fam131a	**1.59139**	12339
chr4	129425765	129440818	Zbtb8b	**1.73048**	20053
chr2	128926268	128944020	Zc3h8	**2.18463**	12065

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chr8	122443656	122446476	9330133O14Rik	**3.23118**	27866
chr17	36881598	36890125	Trim40	**1.64587**	12744
chr11	35121456	35708507	Slit3	**4.42874**	77980
chr16	49699294	49765126	Ift57	**1.74042**	15580
chr15	53461801	53902436	Samd12	**2.16025**	7111
chr4	156034837	156050817	Ttll10	**1.16361**	9461
chrX	164373548	164402647	Figf	**0.87859**	5809
chr4	148006484	148038767	Clcn6	**2.55102**	26163
chr10	62340607	62349866	Hk1os	**1.38457**	2718
chr10	110941780	111010066	Zdhhc17	**2.34091**	37522
chr4	34949074	35157484	Mob3b	**1.88176**	39991
chr19	29047483	29048729	1700018L02Rik	**2.04359**	7368
chr6	135197987	135236240	8430419L09Rik	**1.97883**	29354
chr13	38345716	38499728	Bmp6	**1.73682**	14752
chr19	57452906	57491005	Trub1	**1.949**	43927
chr19	46761609	46878580	Cnnm2	**3.13187**	36756
chr1	193104403	193130251	Diexf	**1.58394**	30971
chr11	5969666	6065748	Camk2b	**2.64294**	38777
chr10	82985497	83195891	Chst11	**1.91718**	37291
chr15	74669081	74672570	Arc	**1.39133**	15000
chr13	67173182	67183498	Rsl1	**1.21571**	8762
chr17	24639282	24650305	Slc9a3r2	**3.6074**	28695
chr1	178529125	178932857	Kif26b	**2.01418**	52573
chr3	151798610	151837528	Ptgfr	**4.26946**	66418
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chr19	46707443	46741095	As3mt	**2.74114**	16916
chrX	75404846	75416584	Mtcp1	**1.73191**	10694
chr3	146597149	146631483	Uox	**0.38489**	2500
chr15	100641082	100669500	Bin2	**1.31828**	9190
chr2	105536080	105670330	Pax6os1	**0.64229**	3314
chr8	105605229	105622218	Fam65a	**1.88825**	27305
chr9	78175914	78178882	C920006O11Rik	**2.10971**	10759
chr2	32777828	32784405	1700019L03Rik	**1.52813**	8057
chr11	73304988	73324637	Aspa	**4.7117**	25523
chr5	137865829	137871758	Pilrb2	**4.66922**	29736
chr12	15791727	15816785	Trib2	**2.96379**	43850
chr2	131992850	132029988	Rassf2	**2.14011**	36091
chr6	115853528	115926699	Ift122	**2.02106**	28969
chr6	36846022	37299976	Dgki	**1.67448**	27135
chr3	89183225	89189289	Fam189b	**1.51192**	16300
chr17	53674787	53689315	Sgol1	**2.1604**	27479
chr10	63382443	63408840	Dnajc12	**2.77233**	13337
chr6	83671207	83677857	Cd207	**0.27818**	1500
chr3	142560052	142573212	Gbp3	**2.17311**	22762
chr18	67617397	67641336	Cep76	**1.98803**	27879
chr4	45034280	45084604	Fbxo10	**1.97348**	32008

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chr15	31441210	31453689	Ropn1l	**2.93094**	9400
chr3	146852367	146982750	Ttll7	**2.30298**	49308
chr7	30434980	30445582	Aplp1	**2.91568**	24580
chr9	86307234	86464916	Ube2cbp	**2.38245**	15349
chr1	144244669	144249104	Rgs1	**1.17507**	5508
chrX	48411049	48463132	Elf4	**2.10002**	43275
chr7	90124836	90129936	2310010J17Rik	**0.97094**	1841
chr9	62122518	62122594	Mir5133	**1.41133**	383
chr2	66184327	66256617	Ttc21b	**1.87046**	29467
chr10	3973075	4167081	Mthfd1l	**1.6991**	25941
chrX	151047170	151086981	Fgd1	**1.93403**	20026
chr11	58214977	58222783	Irgm2	**1.7764**	22000
chr17	71019557	71126856	Myom1	**9.24476**	182882
chr9	44452715	44454767	Upk2	**0.93757**	2888
chr5	103605711	103629403	Slc10a6	**1.02862**	7700
chr18	67088298	67226782	Gnal	**1.40267**	28178
chr8	105329160	105347970	Fhod1	**2.21609**	30835
chr18	31437808	31447415	Syt4	**1.67196**	22987
chr2	127800200	127831859	Bub1	**2.04516**	31239
chr4	106651069	106655282	Pars2	**1.82462**	19787
chr5	43868827	43912374	Cd38	**2.6411**	27878
chr11	97627387	97629716	E130012A19Rik	**1.86318**	15300
chr1	135799421	135810989	Tnni1	**1.20016**	4712
chr5	124834432	124862221	Ccdc92	**1.94782**	15487
chr7	105558465	105581653	Apbb1	**1.47931**	16548
chr11	3983636	3999328	Gal3st1	**1.32676**	9553
chrX	73234076	73243130	Xlr4c	**0.60298**	2599
chr7	30973804	30989725	Fam187b	**1.4932**	14030
chr16	50726751	50732773	5330426P16Rik	**2.37884**	14261
chr3	89391864	89398779	Gm15417	**2.02038**	11165
chr8	125669818	125673365	Map10	**1.02356**	12799
chr4	154170713	154275721	Megf6	**2.8428**	68891
chr5	142871789	142895238	Fbxl18	**1.64691**	16432
chr16	22381313	22439570	Etv5	**2.34393**	31573
chr13	67667441	67683512	Zfp738	**2.05755**	32661
chr6	87458545	87533259	Arhgap25	**1.93493**	29071
chr11	87089156	87108714	Prr11	**2.08441**	28114
chr7	24291046	24299549	Zfp61	**1.73351**	14339
chr13	13784539	13827895	Gng4	**1.2123**	12681
chr1	172475360	172478409	Slamf9	**1.23904**	5000
chr1	136624901	136630391	Zfp281	**2.01495**	37460
chr4	45184906	45285936	Frmpd1	**0.91691**	15550
chr2	136892263	137068393	Slx4ip	**1.50524**	8244
chr10	84917613	85018337	Ric8b	**2.12359**	37137
chr5	112910478	113015538	Adrbk2	**2.21523**	51528
chr11	97923237	97986446	Plxdc1	**1.4859**	15213

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chr10	39732160	39875205	Rev3l	**2.08757**	78466
chr11	58948911	58949372	Hist3h2ba	**1.58698**	2584
chr6	108065045	108077127	Setmar	**2.0519**	12800
chr19	42074939	42086370	Morn4	**1.64056**	10500
chr4	43507026	43513725	Car9	**2.49326**	17214
chr16	14194527	14291408	Myh11	**4.49196**	104993
chr9	20868642	20874307	A230050P20Rik	**1.96618**	9833
chr13	96416134	96471160	Ankdd1b	**0.88837**	10379
chr4	12906837	12981485	Triqk	**1.92077**	10161
chrX	134537258	134541629	Timm8a1	**2.19796**	9164
chr6	92370892	92706184	Prickle2	**1.99615**	61037
chr6	55336299	55348555	Aqp1	**14.06762**	136839
chr7	127132232	127137823	Spn	**1.45043**	24000
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chr4	96568429	96591485	Cyp2j9	**1.23304**	8448
chr11	120064430	120086827	Cep131	**1.76469**	22253
chr6	61180325	62382863	Ccser1	**1.08431**	21408
chr19	38836579	38919923	Tbc1d12	**2.09835**	31127
chr6	81923669	81956955	Gcfc2	**1.61999**	12732
chr5	43662379	43740970	Cc2d2a	**1.6814**	32290
chr16	75858794	75909266	Samsn1	**1.58079**	10279
chr2	25293657	25298928	Grin1os	**1.04431**	5841
chr10	91083039	91102613	Ikbip	**2.56298**	37125
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chr4	43496144	43499660	Arhgef39	**1.70734**	9760
chr16	90751527	90810413	Urb1	**1.66249**	43153
chr3	79629079	79632819	4930579G24Rik	**1.38944**	9642
chr7	44303766	44306959	Clec11a	**6.67194**	45994
chr5	134184038	134218143	Gtf2ird2	**1.7035**	20821
chr1	88258856	88277220	Hjurp	**2.17955**	14134
chr14	51984833	52006074	Arhgef40	**2.12737**	39445
chr3	137623672	137628332	Ddit4l	**3.38235**	32436
chr7	118712611	118737018	Ccp110	**2.05043**	36190
chr14	99099424	99254494	Pibf1	**1.82876**	19052
chr19	10245265	10304877	Dagla	**1.59794**	31729
chr6	148921059	148946432	Fam60a	**1.5382**	14301
chr5	33378696	33419754	Uvssa	**1.66719**	43046
chr13	63300484	63300557	Mir23b	**0.56748**	148
chr4	115299046	115332815	Cyp4a12a	**0.90569**	7731
chr6	123281789	123289871	Clec4e	**2.87074**	25486
chr7	30565427	30567962	Igflr1	**1.60937**	6727
chr4	41495601	41503075	AI464131	**3.11645**	45856
chr14	48120869	48260883	Peli2	**1.98623**	40944
chr17	35251379	35251405	Mir8094	**0.96682**	92
chr8	84815405	84832265	Dand5	**1.87471**	11100
chr17	75005529	75392967	Ltbp1	**2.9192**	83716

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chr17	35113946	35115400	Ly6g5b	**1.30698**	4855
chr8	47180048	47352348	Stox2	**1.92552**	73556
chr3	79885930	79946278	Fam198b	**2.05455**	47986
chr5	151037515	151190193	Stard13	**1.68251**	33432
chr11	53950824	53980027	Slc22a21	**1.07838**	8730
chr2	48949508	49317069	Mbd5	**1.87807**	42130
chr1	87574027	87597840	Neu2	**2.46387**	17480
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chr5	37299171	37336881	Evc	**1.30479**	19829
chr17	47630690	47684067	Usp49	**1.62267**	31917
chrX	74329066	74344689	Plxna3	**1.21661**	29770
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chr11	32533266	32624595	Stk10	**1.44661**	25864
chr19	17326141	17372844	Gcnt1	**2.12027**	35293
chr11	95842668	95845731	Gngt2	**2.8615**	7241
chr2	128967402	129018563	Zc3h6	**1.82595**	31636
chr1	120226416	120271082	Steap3	**2.97377**	33297
chr7	127091436	127094049	AI467606	**1.85466**	12537
chr1	131797395	131818115	Pm20d1	**1.38784**	17315
chr4	8141493	8239041	Car8	**2.7525**	55508
chr2	30078766	30090943	Pkn3	**2.31235**	23267
chr5	138441476	138460694	Zfp157	**1.79268**	33511
chr12	87166242	87200229	Tmed8	**1.68758**	42698
chr19	11586606	11604804	Ms4a6d	**2.84774**	13760
chr8	85109167	85123095	Zfp791	**1.46104**	12008
chr2	180257536	180257611	Mir3091	**5.23425**	1402
chr7	28437447	28446895	Gmfg	**1.51907**	5948
chr13	75869537	75943824	Rhobtb3	**1.91761**	33366
chr13	100669481	100697024	Ccdc125	**2.06198**	18088
chr1	93373896	93404304	Ano7	**2.07054**	29328
chr17	84190056	84466208	Thada	**1.99121**	55412
chr1	140085855	140183411	Cfh	**7.23182**	111253
chr7	98494222	98501830	Lrrc32	**2.32754**	31303
chr19	5651185	5663707	Sipa1	**1.93409**	26366
chr8	53586867	53639065	Neil3	**1.56176**	12401
chr16	22918382	22939768	Fetub	**1.14514**	7200
chr14	77904239	78002656	Epsti1	**2.15697**	14208
chr4	57908384	57916264	D630039A03Rik	**2.69141**	27470
chr16	33684466	33768195	Heg1	**3.44779**	58083
chr2	143826528	143863173	Bfsp1	**1.1212**	9373
chr8	120608602	120634382	1190005I06Rik	**3.15515**	8162
chr5	76875935	76905514	Aasdh	**1.63984**	21349
chr7	92741714	92837117	Rab30	**1.32579**	9004
chr8	71882068	71892565	Zfp709	**1.51292**	21195
chr6	91013067	91116826	Nup210	**1.46863**	36413

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chr10	33083483	33476709	Trdn	**6.9205**	110098
chr4	150920155	150946102	Tnfrsf9	**1.29874**	10166
chr16	96200470	96228933	Sh3bgr	**5.83803**	27180
chr1	55237177	55240058	Mars2	**1.76377**	17915
chr4	32417435	32586108	Bach2	**1.98383**	56612
chr15	98771752	98778150	Wnt10b	**1.98044**	15544
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chrX	133936385	133981812	Sytl4	**1.84445**	32756
chr4	120161424	120167360	Edn2	**2.53586**	11118
chr9	64175432	64175522	Snord16a	**2.58172**	828
chr3	88777057	88829371	5830417I10Rik	**1.40598**	46415
chr5	143329308	143332704	0610040B10Rik	**2.22542**	3451
chr15	9506159	9529876	Il7r	**1.39465**	15778
chr8	65085615	65129537	BC030870	**5.71047**	29766
chr12	102283074	102390854	Rin3	**2.11265**	29835
chr19	6164458	6172475	Batf2	**0.72083**	3483
chr10	115450314	115587780	Lgr5	**1.90414**	31615
chr11	89037582	89060748	Dgke	**1.4163**	25996
chr17	35394099	35395630	H2-Q5	**2.30643**	9600
chr8	111311800	111337903	Mlkl	**3.47156**	20824
chr11	117782297	117793137	Tmc8	**1.87804**	19208
chr7	19302696	19310045	Fosb	**1.72746**	22989
chr2	167065293	167065358	Snord12	**3.55534**	827
chr1	93512104	93620644	Farp2	**1.42193**	15831
chr8	106415339	106425889	Zfp90	**2.14508**	19898
chr7	27838584	27856774	Zfp59	**1.38783**	18567
chr7	141210056	141214080	Lmntd2	**0.84313**	6044
chr2	69380462	69403086	Dhrs9	**1.62438**	16127
chr19	3259076	3283010	Ighmbp2	**1.57837**	30940
chr9	74110334	74283203	Wdr72	**2.41576**	44426
chr7	125444620	125462268	Kdm8	**1.33035**	11459
chr11	69784036	69795937	Chrnb1	**1.9871**	15050
chr15	85037062	85062830	Fam118a	**1.84414**	16541
chr6	134869092	134897925	Gpr19	**1.47545**	12506
chr14	51056698	51057242	Rnase12	**1.82114**	3498
chr8	92326031	92356120	Crnde	**1.90188**	9250
chr3	92014583	92031584	Pglyrp3	**1.36062**	5318
chr9	88723288	88731850	Bcl2a1d	**1.71099**	4800
chr17	24549950	24595815	Pkd1	**1.84055**	87383
chr9	116572747	117629913	Rbms3	**1.48919**	43116
chr7	30539134	30552272	Proser3	**1.65871**	14416
chr13	91853387	91876885	Ckmt2	**6.07042**	31792
chr15	76626237	76639929	Tonsl	**1.63877**	24298
chr16	58470541	58523312	St3gal6	**3.13236**	17586
chr5	146845071	146847726	Rasl11a	**1.74402**	6921
chr5	104079109	104114088	Sparcl1	**7.64958**	84007

chr13	108654177	109955969	Pde4d	**1.84549**	45848
chr7	29908517	29916813	Zfp383	**1.45574**	13442
chr12	65132735	65172580	Mis18bp1	**1.61787**	22899
chr19	40831279	40848570	Ccnj	**1.65278**	22234
chr14	67751928	67933572	Dock5	**1.95922**	71363
chr5	90786101	90788093	Cxcl3	**1.54998**	5561
chr15	103453825	103498800	Nckap1l	**1.90353**	31645
chr12	85824950	86053760	Ttll5	**2.2936**	39132
chr8	4257646	4259274	Ctxn1	**2.89294**	12500
chr7	114550163	114562972	Cyp2r1	**0.78107**	4487
chr11	36006656	36944241	Tenm2	**2.89986**	99943
chr8	116921740	116941503	Cenpn	**1.97254**	12291
chr6	108213096	108551116	Itpr1	**1.9168**	66724
chr5	32232708	32364356	Plb1	**1.66463**	29234
chr13	55473428	55488076	Dbn1	**2.3883**	25622
chr3	96525185	96529216	Hfe2	**6.98524**	49754
chr16	43889902	43964314	2610015P09Rik	**1.57665**	20243
chr13	49036302	49148328	Wnk2	**1.83209**	56098
chr13	113093827	113100981	Gzma	**3.22552**	9981
chr1	57985340	58026277	Sgol2	**1.97701**	37737
chr16	17572018	17576671	Slc7a4	**1.82661**	20800
chr8	76902508	77243639	Nr3c2	**2.95757**	42601
chr6	54039932	54301812	Chn2	**1.62344**	16318
chr15	78244811	78262580	Ncf4	**2.82256**	14464
chr2	152393612	152398046	Sox12	**1.37532**	21497
chr9	44981786	44987052	Cd3d	**0.99672**	4672
chr8	121950492	122029260	Banp	**1.50736**	29208
chr7	19094544	19098345	Six5	**1.82655**	18366
chr2	131299189	131352892	Rnf24	**2.3888**	40950
chr2	129798369	129801403	4932416H05Rik	**1.91181**	18226
chr18	65547427	65706444	Mir3473f	**1.18004**	445
chr1	182764906	182895654	Susd4	**0.87213**	6255
chr11	115307163	115332303	Otop2	**1.51129**	12437
chr1	60180599	60334705	Nbeal1	**1.67628**	71532
chr9	67217085	67559703	Tln2	**2.47071**	105659
chr12	108371153	108539564	Eml1	**2.10529**	31267
chr10	82048127	82061586	Zfp873	**2.00999**	16293
chr7	27176006	27176093	Mir3101	**1.11239**	345
chr3	79813153	79842662	Tmem144	**1.73202**	13991
chr7	45233632	45239115	Cd37	**1.57843**	7688
chr5	137787802	137819576	Zcwpw1	**0.85835**	5294
chr7	41478874	41499890	AW146154	**1.63664**	19675
chr17	56119678	56121946	Lrg1	**5.5842**	26628
chrX	152781921	152808646	Gpr143	**0.82269**	4787
chr12	36381450	36689503	Ispd	**1.55537**	16308
chr6	55837018	55978598	Ccdc129	**2.60576**	30159
chr9	105395392	105405756	Aste1	**1.38464**	13781

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chr3	41742615	41758941	D3Ertd751e	**1.75324**	24191
chr7	141194130	141210042	Lrrc56	**1.4927**	13757
chr6	129014112	129020527	Clec2f	**1.87044**	4331
chr16	4594713	4615957	Glis2	**1.57394**	20075
chr7	24193215	24208149	Zfp111	**1.25479**	31549
chr5	128579130	128600687	5930412G12Rik	**1.21872**	10330
chr6	86483376	86488227	2310040G24Rik	**2.86588**	7646
chr15	54838679	54920146	Enpp2	**5.33702**	69445
chr7	45367949	45370564	Lin7b	**2.13408**	4949
chr7	12478305	12496235	Zfp606	**1.6457**	27469
chr11	83223576	83226584	AI662270	**1.41064**	7000
chr17	21879570	21909926	2210404O09Rik	**1.69413**	13261
chr9	36708482	36726658	Chek1	**1.15425**	13819
chr7	128246812	128255699	Tgfb1i1	**2.30658**	31704
chr13	92844787	92858230	Mtx3	**1.96777**	43518
chr11	68691915	68816624	Myh10	**1.28589**	35272
chr8	18595173	18803188	Mcph1	**1.6571**	26976
chr5	90772435	90773383	Pf4	**5.00791**	10378
chr7	81213804	81333622	Pde8a	**1.87059**	17688
chr7	66689889	66717256	Lins	**1.75546**	32345
chr15	87544299	87759364	Fam19a5	**1.64216**	17600
chr5	74195326	74199477	Rasl11b	**2.2858**	14243
chr4	155086577	155145507	Morn1	**1.54032**	9017
chr2	14995131	15054872	Nsun6	**1.53983**	25919
chr6	14901349	15441977	Foxp2	**1.8165**	45275
chr10	76459567	76468970	Ybey	**1.41854**	18228
chr11	115334734	115346926	Otop3	**0.19916**	1700
chr17	35897598	35910068	Atat1	**1.24272**	10875
chrX	59062146	59585572	Fgf13	**2.39646**	26512
chrX	94724569	94730191	Zxdb	**1.75088**	34698
chrX	48146527	48161563	Sash3	**1.47689**	13450
chr14	56526761	56571846	Cenpj	**1.45687**	22402
chr2	120716154	120731517	Cdan1	**1.81351**	40803
chr17	46303272	46328023	Abcc10	**1.80203**	30580
chr13	67069398	67081545	Zfp708	**1.55559**	13432
chr13	63300712	63300784	Mir27b	**1.7141**	441
chr10	70204667	70219711	2310015B20Rik	**1.79339**	2800
chr9	44134658	44142726	Mcam	**3.56607**	36347
chr1	132506230	132508639	Tmem81	**1.22731**	7535
chrX	134717938	134721912	Armcx1	**1.84575**	16035
chr11	75769090	75796057	Doc2b	**1.57437**	23554
chr11	70764447	70772928	Zfp3	**2.26136**	14529
chr8	106683068	106851439	Tango6	**1.77941**	27650
chr17	46428942	46431771	Crip3	**0.54202**	1937
chr15	100479570	100495239	Csrnp2	**1.21721**	17700
chrX	73894429	73911298	Arhgap4	**1.09918**	12567

chr8	72319062	72321654	Klf2	**2.64881**	16953
chr9	75306288	75345923	Gnb5	**2.12167**	19793
chr2	75979106	75981967	Ttc30a1	**1.33839**	13500
chr15	102296293	102324356	Espl1	**1.65279**	38620
chr9	123962126	123968692	Ccr1	**1.87382**	18696
chr10	97565501	97572703	Lum	**19.38891**	141792
chr5	135072900	135078266	Vps37d	**1.24467**	6773
chr10	45335762	45369708	Bves	**1.43017**	8100
chr11	87853225	87863679	Mks1	**1.67196**	13936
chr1	163955337	163994781	BC055324	**1.56112**	14184
chr7	27195781	27205386	BC024978	**1.37462**	12785
chr1	87476829	87573870	Ngef	**0.90807**	10830
chr3	9427010	9610085	Zfp704	**1.92006**	93682
chr2	11172382	11301226	Prkcq	**2.60333**	30397
chr19	23687400	23721129	Ptar1	**1.40385**	10212
chr17	85090700	85458580	Camkmt	**1.89232**	9597
chrX	107397195	107403360	Itm2a	**6.43247**	36998
chr4	47015689	47057306	Anks6	**1.07025**	13398
chr15	99422034	99457748	Nckap5l	**1.43986**	24632
chr15	9111982	9155425	Skp2	**1.25308**	15064
chr1	131128441	131138234	Dyrk3	**1.24602**	9099
chr15	10486018	10499063	Rad1	**1.51065**	24906
chr2	29869494	29882840	Cercam	**1.6622**	15905
chr4	104913456	105016863	1700024P16Rik	**1.73544**	19927
chr10	7663585	7664623	A630066F11Rik	**1.43126**	5241
chr7	128265697	128271250	Slc5a2	**0.57774**	3378
chr5	129908540	129911281	Nupr1l	**0.96282**	2131
chr2	118388617	118475234	Eif2ak4	**1.9679**	36398
chr7	80232893	80241420	Gdpgp1	**1.52212**	18883
chr9	107950963	107972268	Traip	**1.66151**	15793
chr9	64811011	64919667	Dennd4a	**1.83173**	55874
chr2	110655201	110950244	Ano3	**1.4314**	30092
chr1	74565182	74588028	Zfp142	**1.88317**	46983
chr1	175682238	175688353	Chml	**1.99986**	43107
chr1	133910304	133921401	Prelp	**4.89179**	62100
chr7	81523550	81531498	2900076A07Rik	**1.20041**	3613
chr11	46193849	46312859	Cyfip2	**1.30878**	32422
chr7	27959800	27979157	Zfp780b	**1.37571**	26720
chr11	116124708	116131128	Trim65	**1.70783**	18358
chr7	4792965	4794547	Rpl28	**1.54341**	2698
chrX	147383478	147403832	Il13ra2	**1.48982**	8065
chr14	103814615	103844476	Ednrb	**2.21428**	33986
chr7	89404366	89410110	Fzd4	**3.51321**	45627
chr15	78913919	78919517	Pdxp	**1.50208**	10593
chr18	35671105	35703144	Dnajc18	**1.88305**	34291
chr19	12798609	12833808	Lpxn	**1.19211**	7029
chr9	70031496	70038088	Gcnt3	**2.0912**	31699

chr15	55076101	55090478	Dscc1	**1.18611**	5472
chr4	148152799	148160094	Fbxo44	**1.63553**	12393
chr9	56618475	56685253	Lingo1	**1.40535**	16320
chr3	95124514	95129208	Tmod4	**6.92224**	30276
chr15	55557408	55626423	Mtbp	**1.46485**	22979
chr7	28267881	28269168	Eid2	**0.92303**	4190
chr15	54250619	54278484	Tnfrsf11b	**2.19984**	21848
chr13	104228845	104249622	Cenpk	**2.02878**	14000
chr11	46235557	46239871	Fndc9	**0.35947**	2867
chr17	71557027	71598761	Trmt61b	**1.80422**	17105
chr12	64917911	64924591	Gm527	**1.28042**	6602
chr7	51860577	51862267	Fancf	**1.86385**	11108
chr16	13903161	13949619	Mpv17l	**1.84395**	23181
chr4	24496462	24602948	Mms22l	**1.51478**	23837
chr15	5097439	5108533	Card6	**1.89206**	30214
chr15	8634124	8710807	Slc1a3	**1.97356**	29255
chr17	33810523	33822914	Kank3	**1.71246**	15897
chr15	57912199	57970068	Tbc1d31	**1.49061**	22096
chr11	117828079	117839908	Afmid	**1.80182**	14250
chr6	115954811	115995005	Plxnd1	**2.24301**	54601
chr15	94522640	94543507	Pus7l	**1.65163**	16578
chr9	22055460	22071345	Zfp653	**1.44505**	10145
chr5	134656039	134688590	Limk1	**1.52073**	17810
chr3	108202228	108210527	Atxn7l2	**1.39821**	12965
chr8	46575594	46617200	Primpol	**1.12102**	10778
chr6	13871569	13896421	1110019D14Rik	**1.78047**	9400
chr1	136131401	136178014	Kif21b	**1.41705**	45542
chr13	47012557	47014850	Nhlrc1	**1.41004**	11400
chr5	120847367	120857986	Oas1f	**0.13382**	698
chr2	152911352	152923065	Mylk2	**6.62717**	68855
chr6	136697284	136781742	Gucy2c	**0.84069**	11662
chr6	117168535	117181368	Cxcl12	**3.26776**	65300
chr13	64248700	64268145	1810034E14Rik	**1.41019**	8956
chr1	60102627	60153953	Carf	**1.53163**	30882
chr5	37820491	37824585	Msx1	**1.80786**	5059
chr8	4325210	4360020	Ccl25	**1.17616**	5281
chr7	3154659	3169203	AU018091	**1.22573**	14895
chr17	29135056	29148976	Rab44	**1.0966**	15865
chr14	75842918	75844964	Gm4285	**1.59752**	7674
chr4	138775735	138782143	Pla2g2d	**1.76711**	14100
chr1	36264602	36273425	Neurl3	**2.1571**	19637
chr9	59966931	60511035	Thsd4	**1.74919**	55668
chr2	109280738	109341746	Kif18a	**2.02459**	24032
chr9	83391355	83441127	Lca5	**1.1333**	19100
chr10	80179482	80190010	Efna2	**1.71708**	12896
chr12	116485720	117278167	Ptprn2	**2.52817**	41771
chr4	126556980	126593903	Clspn	**1.42781**	25070

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chr10	75550125	75560330	Lrrc75b	**1.88929**	30636
chr19	45792346	45816063	Kcnip2	**1.87318**	16445
chr16	45746231	45844378	Phldb2	**1.39601**	27936
chrX	20703909	20720539	Usp11	**1.21965**	14890
chr5	5736322	5749317	Steap1	**1.60163**	6864
chr7	56239771	56536517	Oca2	**1.16615**	12823
chrX	82948870	85205050	Dmd	**2.15087**	105004
chr11	102057017	102088515	Mpp2	**1.01957**	14686
chr4	101496648	101642799	Dnajc6	**1.2601**	24852
chr19	6925690	6934515	Kcnk4	**1.31011**	8011
chr5	121598281	121618938	Acad12	**1.5525**	12995
chr15	75616684	75625300	Zfp41	**1.16429**	15359
chr2	26637176	26640244	Snhg7	**1.68561**	4408
chr7	31162358	31170641	Gm10640	**3.64157**	14554
chr13	8952863	8960935	Idi2	**21.20988**	167667
chr10	82224856	82241275	Zfp938	**1.79827**	12872
chr13	23575763	23576266	Hist1h3d	**1.74635**	3102
chr7	29983955	30028282	Zfp568	**1.21289**	30705
chr14	69767472	69784411	Tnfrsf10b	**1.21341**	13595
chr7	45082914	45092213	Rcn3	**6.04172**	30939
chr9	45399709	45410278	Fxyd2	**2.88566**	10343
chr17	81026327	81065085	Thumpd2	**1.27545**	8343
chr11	43528749	43586999	Ccnjl	**0.53375**	5096
chr7	12803780	12818860	Zfp329	**1.36636**	38192
chr17	46500609	46546388	Cul9	**1.61132**	44545
chr2	130417684	130424641	Pced1a	**1.73705**	17864
chr1	192512828	192771219	Hhat	**1.39448**	13933
chr11	75348433	75405705	Smyd4	**1.80853**	22417
chr4	112613740	112652248	Skint2	**0.23841**	1073
chr2	23116544	23156024	Mastl	**1.50842**	24731
chr17	35016579	35026693	Vwa7	**1.298**	17292
chr2	178023284	178035859	Etohi1	**1.8726**	22076
chr13	65278854	65297795	Zfp369	**1.29033**	13047
chr1	37872206	37876298	Lipt1	**1.53274**	8400
chr3	138143538	138159820	Trmt10a	**1.49327**	20704
chr15	103344286	103366748	Itga5	**2.03783**	31364
chr17	24727829	24736149	Rpl3l	**6.33139**	35591
chr11	83525779	83530518	Ccl5	**1.8387**	3441
chr4	117096356	117114831	Ptch2	**1.84699**	23102
chr10	128933813	128958276	Itga7	**3.40586**	48158
chrX	20870166	20874737	Timp1	**2.98437**	9361
chr10	86685527	86689954	1810014B01Rik	**2.10107**	11996
chr4	152158867	152162469	Hes2	**1.51749**	13809
chr12	110807798	110840939	Mok	**0.781**	4660
chr7	120659354	120670250	Pdzd9	**1.55255**	7261
chr14	76532812	76556889	Serp2	**1.18761**	3767

chr8	31818028	31918203	Nrg1	**1.04564**	7750
chr13	119488860	119610459	Gm7120	**1.62956**	5232
chr19	28262448	28680077	Glis3	**0.96697**	13349
chr1	92973119	92986391	Gpr35	**1.35612**	21498
chr16	58408535	58469745	Dcbld2	**1.80912**	41361
chr17	57105385	57107757	Tnfsf9	**2.23508**	9689
chr7	51879145	51994458	Gas2	**2.03119**	15298
chrX	20549818	20562087	Rgn	**0.68357**	3792
chr5	110274286	110286168	Pxmp2	**2.23316**	8020
chr1	172521130	172545870	Cfap45	**1.04121**	6686
chr4	147909753	147936776	Plod1	**2.62564**	30093
chr8	72443880	72460482	1700030K09Rik	**1.81711**	15165
chr1	183086264	183221529	Disp1	**1.23847**	22732
chr8	72424183	72443778	Calr3	**1.71036**	11230
chr2	145242611	145641939	Slc24a3	**1.63685**	19741
chr4	130530131	130574036	Nkain1	**1.51254**	13604
chr8	67689082	67974574	Psd3	**1.92983**	80277
chr10	128494157	128498685	Myl6b	**1.51604**	5482
chr5	3890581	3893933	Mterf1a	**1.07207**	5199
chr1	40681712	40768885	Slc9a2	**1.83777**	22624
chr7	24134163	24143241	Zfp235	**1.42346**	17318
chr6	54681624	54703855	Mturn	**1.73751**	32498
chr11	105292646	105351145	Mrc2	**1.82848**	37383
chr6	146805530	146833529	Arntl2	**1.10434**	10209
chr1	120121187	120188189	3110009E18Rik	**1.73084**	6643
chr17	32390661	32399429	Rasal3	**1.37556**	15276
chr3	116603462	116630986	Sass6	**1.18314**	16525
chr2	3513065	3526376	Cdnf	**2.04174**	21681
chr17	78508063	78627409	Vit	**2.02915**	19452
chr18	44334074	44355722	Myot	**9.60549**	74714
chr5	115102922	115110268	Gm13826	**1.19186**	3163
chr4	134537892	134552166	Sepn1	**1.96344**	23839
chr4	136979732	137048695	Zbtb40	**1.26886**	32162
chr9	4309743	4331732	Kbtbd3	**1.6932**	14477
chr8	126298579	126395977	Slc35f3	**1.68052**	16483
chr2	25372035	25378213	Sapcd2	**1.64606**	19765
chr3	10331734	10335656	Slc10a5	**1.51706**	20975
chr4	116720955	116804002	Tesk2	**1.51056**	14832
chr4	119300010	119320523	Ppih	**1.02715**	9032
chr14	25696356	25701282	Ppifos	**1.297**	7428
chr4	132310703	132310758	Snord99	**1.92538**	380
chr9	20345136	20385158	Zfp560	**1.05419**	17581
chr19	7417625	7425894	2700081O15Rik	**1.45397**	25514
chr2	153108468	153151441	Hck	**1.59163**	11735
chr2	4990724	5012791	Mcm10	**1.25612**	15468
chrX	159988433	160121758	Map3k15	**1.82563**	24096
chr15	98877760	98881414	Rhebl1	**1.28045**	5474

chr12	55080496	55115367	Srp54a	**1.60948**	24187
chr6	25668523	25689980	Gpr37	**1.10663**	12500
chr9	35560821	35570069	Hyls1	**1.47465**	8539
chr17	24878770	24882008	Igfals	**2.61347**	19444
chr13	50417877	50433769	Fbxw17	**1.65252**	10396
chrX	164980592	164997272	Fancb	**1.55308**	16180
chr3	80843599	80913614	Glrb	**1.24821**	13105
chr9	89728249	89738475	Ankrd34c	**0.68247**	5953
chr17	47140942	47359458	Trerf1	**0.78104**	12343
chr19	44989344	45003395	Sema4g	**1.03242**	15657
chr17	21650611	21664966	3110052M02Rik	**1.55365**	23912
chr1	58652641	58655831	Gm20257	**2.73797**	9032
chr16	38742259	38769054	B4galt4	**1.67914**	13694
chr19	46348201	46348988	2310034G01Rik	**1.94441**	5400
chr7	142575532	142578146	H19	**5.85371**	52216
chr1	107078193	107083480	Serpinb3d	**0.23523**	965
chr5	113612355	113650390	Cmklr1	**2.50179**	25085
chrX	166170480	166190512	Gemin8	**1.20095**	7771
chrX	50892645	50942710	Frmd7	**1.14943**	18825
chr12	119162803	119238276	Itgb8	**1.76696**	19280
chr4	43381982	43427019	Rusc2	**1.09282**	20825
chr16	3979106	4001678	Slx4	**1.44498**	29135
chr4	147868979	147870358	Fv1	**2.20474**	10723
chr8	123104975	123105043	Mir7079	**0.50991**	124
chr15	100575318	100586365	Pou6f1	**1.65654**	26710
chr1	93235897	93296448	Sned1	**0.84214**	13261
chr10	127525473	127534559	Nxph4	**1.04924**	6194
chr4	63414910	63495991	Whrn	**1.09896**	17065
chr2	125086271	125123660	Myef2	**1.40951**	13954
chr13	67339309	67360572	Zfp953	**1.37333**	22463
chr4	154316125	154636873	Prdm16	**1.28532**	38980
chr1	86666293	86670573	Nppc	**1.14367**	4200
chr12	81026808	81186414	Smoc1	**1.14153**	14065
chr10	19712587	19760053	Il20ra	**0.45279**	3332
chr5	21662903	21701345	Napepld	**1.95211**	25270
chr4	99765402	99829118	Itgb3bp	**1.50077**	14482
chrX	6168696	6172991	Nudt10	**2.20364**	13599
chr2	127575533	127584677	Zfp661	**0.99295**	10460
chr1	191063021	191084558	Nsl1	**1.41144**	14789
chr11	59248042	59290751	Wnt3a	**0.99716**	9668
chr1	88103257	88107799	Ugt1a6b	**0.69416**	2400
chr11	107028223	107030442	1810010H24Rik	**1.69934**	6582
chr7	4751792	4753094	Cox6b2	**0.73501**	1461
chr10	121034004	121100642	Wif1	**5.56481**	43971
chr3	100471536	100489192	Fam46c	**2.86033**	20454
chr14	14346495	14355490	Il3ra	**1.36069**	6685
chrX	164192842	164258193	Bmx	**0.99295**	10516

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chr7	84689640	84776549	2610206C17Rik	**1.10224**	6670
chr11	101325063	101329694	Aoc2	**0.94938**	8482
chr2	57998155	58039171	Galnt5	**2.37993**	27235
chr2	34943258	34961772	Traf1	**0.95495**	7825
chr11	45928269	45944935	Lsm11	**1.09402**	24881
chr2	28447941	28455508	Ppp1r26	**0.98349**	18946
chrX	134308163	134362639	Cenpi	**1.75453**	19466
chr10	88322804	88357075	Dram1	**2.19188**	21684
chr19	41549639	41559781	Lcor	**0.87014**	14300
chr17	33555707	33607764	Myo1f	**1.69222**	22860
chr4	126322121	126325199	Tekt2	**1.95465**	10292
chr15	74796874	74799968	Ly6k	**2.34076**	6377
chr18	35650351	35655199	Prob1	**0.90698**	15500
chr4	147821777	147822202	Rps19-ps3	**1.63317**	2452
chr4	116819907	116821508	Hpdl	**3.96739**	22400
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chrX	8892353	8894964	B630019K06Rik	**0.96669**	8899
chr11	46454931	46481254	Havcr2	**1.07642**	10334
chr2	29194821	29228221	Ntng2	**2.01606**	11063
chr16	16416915	16599978	Fgd4	**1.4773**	49155
chrX	21026184	21062038	Zfp182	**1.21697**	25494
chr10	127078907	127093170	Agap2	**2.46613**	48968
chr17	25719103	25727415	Chtf18	**0.94954**	10150
chr12	112760655	112768986	Pld4	**2.51206**	17512
chr17	94750100	94775129	2700099C18Rik	**1.17247**	4938
chr8	116568724	116732991	Cdyl2	**1.29123**	36802
chr13	12269427	12340732	Actn2	**8.30775**	87370
chr16	18127706	18152408	Rtn4r	**1.13572**	7501
chr10	121780991	122047315	Srgap1	**1.05852**	29177
chr18	37485021	37488290	Pcdhb17	**1.7945**	20681
chr1	64035671	64121389	Klf7	**1.29339**	6090
chr11	67798271	67816002	Dhrs7c	**6.36672**	25221
chr3	99141090	99220203	Wars2	**1.40531**	21733
chr6	8630527	8778484	Ica1	**2.4779**	18121
chrX	139821635	139871654	Morc4	**2.07763**	30080
chr19	10389090	10453181	Syt7	**2.41142**	59202
chr11	119355557	119381076	Slc26a11	**1.27135**	12062
chr5	113942219	113993757	Ssh1	**1.23705**	13838
chr6	91212764	91272540	Fbln2	**5.51857**	87075
chr4	123312650	123343252	Bmp8a	**1.10221**	9323
chr3	144730316	144760739	Clca1	**1.89632**	20197
chr9	20581328	20595193	Zfp846	**1.26843**	12316
chr11	106311341	106314529	Cd79b	**0.91303**	3855
chr1	166130460	166166510	Gpa33	**1.63921**	13247
chr14	70890107	70979840	Gfra2	**1.68218**	20673
chrX	9272784	9313245	Xk	**0.71388**	12688

chr7	5051532	5053723	Zfp580	**1.54486**	6000
chr9	124474346	124476862	Ppp2r3d	**1.89464**	16807
chr10	88518279	88605152	Mybpc1	**12.82608**	179956
chr5	28456840	28466983	Shh	**2.79766**	25133
chr4	108719649	108781904	3110021N24Rik	**1.06101**	6514
chr1	139454773	139494088	Aspm	**1.54973**	53886
chr7	46711998	46715676	Saa3	**3.5048**	6559
chr17	94759942	94834799	Gm1976	**1.6346**	10554
chr8	84911853	84937353	Mast1	**1.34454**	22082
chr8	123271205	123318576	Fanca	**1.29077**	17123
chr4	84272542	84675086	Bnc2	**1.25935**	28641
chr6	31366885	31398773	Mkln1os	**1.3769**	4678
chr8	70905974	70917529	Map1s	**1.33186**	15368
chr5	105519471	105608954	Lrrc8c	**1.63875**	16339
chr14	52261759	52279387	Rab2b	**1.20435**	11507
chr11	119143043	119228499	Tbc1d16	**1.52301**	37509
chr9	122805547	122836332	Tcaim	**1.86433**	19968
chr7	100227607	100278872	Pgm2l1	**1.66494**	50616
chr11	60920941	60931867	Map2k3os	**0.84002**	3751
chr6	145934147	145965225	Sspn	**2.41224**	37475
chr4	119814678	120135411	Hivep3	**1.60125**	50909
chr11	98464693	98546031	Ikzf3	**0.88224**	12742
chr12	85166639	85177313	Pgf	**4.2787**	25364
chr16	20331304	20426394	Abcc5	**1.73193**	37820
chr7	13258967	13278721	6330408A02Rik	**1.36899**	15589
chr11	83647843	83649378	Ccl3	**1.38386**	3853
chr3	81036416	81214031	Pdgfc	**1.9625**	24291
chr17	22846697	22867134	Zfp945	**1.11858**	26090
chr9	82829806	82847688	Irak1bp1	**1.58088**	10547
chr17	40221777	40242258	Crisp3	**34.98731**	171028
chr14	103047012	103056573	Irg1	**3.0866**	28153
chr2	130390775	130397629	Cpxm1	**4.0967**	34955
chr6	72355483	72359713	Tmem150a	**1.27809**	6581
chr1	153740353	153745468	Rgs16	**1.7988**	14803
chrX	144317966	144374448	Alg13	**1.48846**	28354
chr16	35397312	35490873	Pdia5	**2.1184**	13506
chr9	108133718	108138567	4930447F24Rik	**1.03302**	5148
chr6	126101412	126166744	Ntf3	**0.71576**	3905
chr2	166566345	166713832	Prex1	**1.3437**	30924
chr1	152807890	152836990	Ncf2	**1.47674**	13511
chr5	135012176	135013157	Abhd11os	**0.80987**	1273
chr6	50562563	50566474	Cycs	**1.51359**	16318
chr2	154613368	154646817	Zfp341	**1.44519**	16421
chr17	15041612	15064232	Ermard	**1.46528**	13778
chr13	19591708	19619830	Epdr1	**2.3536**	19800
chr11	79339892	79581609	Nf1	**1.55033**	64731
chr7	104409026	104465193	Trim30a	**1.0545**	14011

chr12	4236363	4240123	Ptrhd1	**1.32228**	17527
chr10	89408823	89443967	Gas2l3	**1.40474**	33408
chr4	33027139	33031323	4933421O10Rik	**1.24543**	16899
chr11	72301629	72313733	Xaf1	**1.15014**	10531
chrX	166523007	166585716	Egfl6	**1.4497**	13795
chr12	65075606	65132058	Fancm	**1.36148**	37307
chr1	63179023	63179135	Snora41	**0.96421**	384
chr6	95117880	95129793	Kbtbd8	**1.15714**	19298
chr16	10357952	10395448	Tekt5	**0.6996**	4342
chr19	16435667	16610818	Gna14	**1.88696**	22498
chr10	127329944	127341579	Gli1	**2.14941**	27271
chr17	79614900	79682152	Rmdn2	**1.63741**	10399
chr14	34145646	34152419	Npy4r	**0.62831**	4214
chr6	71128166	71144380	Thnsl2	**1.49446**	10987
chr1	75507077	75510354	Inha	**1.85604**	9570
chr1	60977914	61000321	Icos	**0.7318**	8395
chr16	33379854	33380736	1700007L15Rik	**0.90098**	2372
chr11	52004221	52084667	Cdkl3	**1.3055**	14705
chr16	18498713	18566680	Gnb1l	**1.1788**	16319
chr10	56014294	56228689	Tbc1d32	**1.42783**	36428
chr6	128227143	128300813	Tead4	**0.96818**	10496
chr15	68083738	68258856	Zfat	**1.11133**	17500
chr5	35697180	35729276	Sh3tc1	**1.77648**	28481
chr4	136206365	136246573	Asap3	**1.45474**	28619
chr1	93309437	93342788	Pask	**0.95869**	17296
chr17	23173869	23193228	Zfp40	**1.33481**	19189
chrX	95048935	95166539	Arhgef9	**1.46192**	28477
chr9	123150946	123157432	Clec3b	**11.97284**	41859
chr4	41638159	41640302	Enho	**1.47397**	6400
chr17	33089367	33110704	Zfp563	**1.18071**	26557
chr1	9560833	9631092	2610203C22Rik	**0.93734**	3951
chr11	97034602	97041369	Lrrc46	**1.19617**	5472
chr8	126426652	126475065	Gm17296	**1.32001**	23540
chrX	36743632	36777307	Slc25a43	**0.89692**	3964
chr16	43969146	43979050	Zdhhc23	**1.26573**	5701
chr1	171388960	171410239	Arhgap30	**1.39011**	21983
chr13	55464267	55473155	Prr7	**1.42266**	6819
chr8	88626828	88636128	Snx20	**1.31957**	6669
chr11	59970614	60046489	Pemt	**1.36365**	5945
chr10	105187664	105574479	Tmtc2	**1.16522**	23293
chr11	100415694	100424840	Fkbp10	**1.76988**	16218
chr4	81278500	81442805	Mpdz	**1.60586**	42532
chr11	120347350	120347413	Mir6935	**0.50541**	114
chr15	97744770	97767666	Rapgef3	**1.37141**	18531
chr14	34053470	34075999	Antxrl	**0.22937**	1502
chr13	21362820	21372302	Zscan12	**1.40078**	21811
chr5	65763521	65826784	N4bp2	**1.8629**	37627

chr11	16501638	16508484	Sec61g	**1.24969**	3431
chr9	119357381	119393797	Xylb	**1.38475**	19414
chr15	102144186	102149512	Igfbp6	**8.47454**	38499
chrX	94274574	94274637	Mir7673	**0.74038**	167
chr14	19872559	19977249	Gng2	**1.65244**	23365
chr1	171173264	171196268	Pcp4l1	**4.13053**	22928
chr8	69037708	69089222	Slc18a1	**1.37511**	15111
chr6	30653457	30693682	Cep41	**1.2142**	14464
chr4	116136728	116144616	Lurap1	**0.85102**	4280
chr11	101176117	101190720	Cntnap1	**1.64378**	31052
chr18	25169020	25467321	AW554918	**1.54288**	29097
chr5	122325508	122354195	Rad9b	**1.18038**	6627
chr19	32595715	32667187	Papss2	**1.5522**	20766
chr17	32879221	32891603	Zfp870	**1.2479**	23292
chr17	73804841	73832093	Ehd3	**1.90807**	24599
chr15	102497647	102517004	Map3k12	**1.74245**	24300
chr4	32982998	33022180	Rragd	**3.11501**	55408
chr17	35424847	35424876	H2-Q8	**1.64569**	174
chr18	34840589	34847463	Reep2	**1.25223**	8500
chr9	65101486	65137947	Igdcc4	**1.8255**	40082
chr9	87191963	87255532	Cep162	**1.27584**	23809
chr7	67730161	67759742	Synm	**4.18357**	102621
chr3	36573143	36613389	Bbs7	**1.7364**	15899
chr7	4522957	4532442	Dnaaf3	**1.60081**	12350
chrX	73214333	73222453	Xlr4b	**0.60668**	2600
chr10	62980223	63018742	Rufy2	**1.04804**	26491
chr7	80454993	80535119	Blm	**1.10134**	19198
chr6	134396329	134438724	Bcl2l14	**1.48861**	11647
chr12	40222712	40222811	Mir1938	**2.40895**	849
chr19	47865545	47886305	Gsto2	**0.85448**	4198
chr6	6877801	6882068	Dlx5	**1.60625**	7982
chr3	142530336	142550151	Gbp7	**1.1773**	23327
chr7	28788969	28798966	Rinl	**1.91509**	19398
chr2	76406508	76600647	Osbpl6	**0.57036**	18222
chr9	45079183	45108531	Amica1	**0.8983**	6525
chr4	144391674	144408464	Pramef12	**1.39563**	12100
chr11	120624823	120624876	Mir6936	**0.13662**	26
chr7	92584183	92637142	Ankrd42	**1.05367**	10331
chr16	5211819	5222299	AU021092	**1.25635**	6075
chr8	33386325	33417469	Purg	**1.03422**	6550
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chr16	15637866	15842239	Prkdc	**1.21784**	54398
chr2	73429610	73529487	Wipf1	**2.15548**	36297
chr14	55854115	55874736	Nynrin	**0.86504**	22600
chr17	21707741	21725636	Zfp760	**1.21997**	18097
chr17	49993307	50190497	Rftn1	**1.71874**	16973
chr16	38598343	38713035	Arhgap31	**1.67087**	45473

chr7	102101743	102111148	Art1	**5.99678**	29948
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chr5	5664829	5694568	Steap2	**1.20653**	46460
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chr9	22099253	22109221	Cnn1	**3.4697**	24298
chr14	57524829	57543166	Il17d	**1.32187**	5693
chr6	38663069	38680865	Clec2l	**4.67962**	23568
chr4	116597680	116600266	Ccdc17	**0.79376**	4020
chr7	83643063	83735490	Il16	**1.47119**	25868
chr16	20611601	20645915	Ece2	**1.13896**	16510
chr9	57129982	57131290	Man2c1os	**1.29598**	2978
chr13	20090507	20608356	Elmo1	**1.50174**	31105
chr9	92571255	92608427	Plod2	**1.10713**	13130
chr5	100092113	100095273	Tmem150cos	**0.78758**	3131
chr13	99421464	99516602	Map1b	**1.10898**	46323
chr5	25689816	25705797	Xrcc2	**1.50784**	17085
chr10	39946912	39950785	G630090E17Rik	**1.47135**	7768
chr19	4184357	4191047	Tbc1d10c	**1.14448**	7095
chr10	83231139	83337817	Slc41a2	**1.90415**	29434
chrX	102142820	102157091	Ercc6l	**1.31583**	19468
chr12	108894272	109028452	Wdr25	**1.34672**	12611
chr8	95633559	95645059	Gins3	**1.24165**	10555
chr4	32657119	32775217	Mdn1	**1.40312**	88809
chr5	66298725	66618817	Apbb2	**1.48859**	36378
chr16	20619215	20621278	Camk2n2	**1.32773**	5999
chr4	12039356	12087957	Tmem67	**1.31868**	16559
chr11	69897358	69900986	2810408A11Rik	**1.76668**	10423
chr5	91027517	91035212	Epgn	**1.0154**	6098
chr15	99074973	99083409	Troap	**1.14385**	9135
chr3	103074014	103099720	Ampd1	**3.29438**	27192
chr13	72623466	72628564	Gm20554	**2.06597**	37127
chr7	126847553	126852432	Doc2a	**1.17642**	9391
chr9	86765927	86880449	Snap91	**1.05282**	16701
chr15	96571418	96642913	Slc38a1	**1.2198**	36073
chr11	101488764	101551955	Brca1	**1.12745**	26416
chr1	91540565	91559590	Asb1	**1.24701**	26686
chr7	5056152	5060784	Ccdc106	**1.16195**	5983
chr10	81590905	81600900	Tle6	**1.19973**	8520
chr13	62836885	62858370	Fbp2	**4.36156**	19891
chr8	91217030	91313222	Rpgrip1l	**1.17356**	28824
chr16	88626788	88627666	2310079G19Rik	**0.6456**	2000
chr5	31292246	31295877	Fndc4	**1.2237**	9790
chr7	27860585	27880825	Zfp607	**0.99814**	12351
chr4	129548344	129573641	Lck	**1.03984**	8330
chr11	63884693	63922284	Hs3st3b1	**0.64701**	13691
chr17	31255020	31277356	Rsph1	**1.63169**	6688
chr7	24270418	24277794	Zfp93	**1.05574**	13060

chr11	121067403	121081139	Sectm1a	**0.53673**	3055
chr5	114123934	114128176	Alkbh2	**1.52367**	5719
chr9	54764748	54773110	Crabp1	**5.36098**	15153
chr11	102248882	102265183	BC030867	**1.01356**	9084
chr7	79660196	79698097	Ticrr	**1.09725**	27642
chr2	39066215	39190730	Scai	**1.06071**	40015
chr8	15057653	15133419	Myom2	**7.67523**	133980
chrX	169685199	169990797	Mid1	**1.46701**	22077
chr17	37045966	37074305	Gabbr1	**0.78278**	12376
chr18	67933257	68255549	Ldlrad4	**1.46286**	12853
chr11	116674147	116674223	Snord1b	**0.77752**	211
chr14	34370274	34374669	Sncg	**2.54745**	6572
chr5	52190681	52197984	9230114K14Rik	**1.28621**	9601
chr18	14783245	14900359	Taf4b	**1.13909**	20671
chr10	78584503	78591964	Syde1	**1.50145**	17399
chr1	74375203	74386051	Slc11a1	**2.2677**	18414
chr2	163054635	163084687	Mybl2	**1.20754**	15755
chr7	36698118	36773457	Tshz3	**1.15362**	20337
chr9	107340640	107349683	6430571L13Rik	**1.5599**	14030
chr3	99253760	99354260	Tbx15	**6.26112**	78711
chr13	67747800	67752514	Zfp85	**1.54325**	11672
chr11	48887422	48902152	Gm5431	**0.53071**	5557
chr7	44572445	44586846	Napsa	**1.4444**	7529
chr13	48487660	48513436	Zfp169	**1.00685**	14854
chr2	181680310	181688051	Tcea2	**0.91782**	3762
chr12	98628142	98669819	Spata7	**1.07663**	8473
chr19	42592279	42612806	Loxl4	**0.88279**	16916
chr8	69902559	69903518	Tssk6	**0.91506**	3096
chr7	97726379	97738247	Aqp11	**2.53048**	11790
chr19	4040288	4042221	Gstp2	**2.58535**	6852
chr12	69241832	69283961	Klhdc1	**1.32611**	9109
chr17	47394558	47400584	Guca1a	**1.18339**	3641
chr18	11981303	12121537	Tmem241	**1.40923**	16380
chrX	136066565	136068236	Bex2	**3.17084**	10080
chr1	184871926	184883036	C130074G19Rik	**3.96818**	39900
chrX	152004584	152016295	Ribc1	**1.14155**	6059
chr19	5092880	5098418	Cnih2	**1.23755**	5356
chr13	74359582	74360604	Lrrc14b	**1.51272**	5454
chr10	81575287	81590845	Tle2	**1.0753**	11680
chr8	69371025	69395544	Gm10033	**1.21031**	11099
chr10	76708792	76726044	Col6a1	**6.34161**	88864
chr7	27907392	27929430	1700049G17Rik	**1.00695**	18305
chrX	97333841	97377209	Eda2r	**1.38792**	28234
chr19	4931855	4943092	Peli3	**1.08867**	7432
chr11	4257568	4272514	Lif	**2.45328**	37516
chr1	59516264	59634509	Gm973	**2.20638**	27955
chr6	48504339	48534832	Zfp862-ps	**1.05226**	23323

chr1	119907899	119913168	Tmem177	**1.72295**	19990
chr18	5210031	5334439	Zfp438	**0.89879**	10165
chr2	3455815	3474986	Suv39h2	**1.02897**	14767
chr8	111626271	111630322	Ldhd	**1.25096**	9792
chr1	52925127	52952840	1700019D03Rik	**1.73544**	5101
chr10	56106917	56116880	Msl3l2	**0.80866**	6099
chr9	78430518	78443237	Mb21d1	**0.76998**	11099
chr7	39449518	39477416	Zfp939	**1.10271**	7695
chr19	43689689	43733253	Entpd7	**0.95472**	18338
chr6	115807975	115808103	Snora7a	**2.75821**	1254
chrX	136666375	136668377	Tceal3	**1.47824**	5809
chr5	106964322	106984439	Cdc7	**1.23826**	14144
chr15	8169106	8271158	2410089E03Rik	**1.19022**	43915
chr7	81347026	81454758	Cpeb1	**1.47719**	16212
chr2	26628457	26636497	Fam69b	**1.277**	7300
chr11	82779601	82781042	Gm11423	**0.95219**	2631
chr2	104721787	104742801	Depdc7	**1.10347**	6693
chr15	66891393	66923199	Wisp1	**1.34434**	23794
chrX	104536970	104671064	Zdhhc15	**1.02513**	19900
chr7	141278329	141279133	Sct	**0.633**	1140
chr11	115347709	115367719	Hid1	**2.56242**	29233
chr11	75510094	75513166	Rilp	**1.65855**	8692
chr13	35895104	35906347	Rpp40	**1.3405**	12926
chr4	63367128	63403445	Akna	**0.96031**	18530
chr8	69741639	69749962	Zfp963	**1.30339**	10524
chrX	101377337	101385624	Gjb1	**1.61216**	8500
chr4	6191105	6219788	Ubxn2b	**0.9894**	16511
chr15	98519717	98519761	Snora34	**0.79447**	126
chr4	62965574	63134030	Zfp618	**0.81254**	8213
chr9	56865104	56899870	Cspg4	**1.57541**	44696
chr19	4439559	4448325	A930001C03Rik	**0.6698**	1558
chr2	77180340	77280592	Sestd1	**1.56173**	49179
chr6	85899050	85904938	1700019G17Rik	**1.29838**	15000
chr11	79526561	79528615	Evi2a	**1.3251**	8565
chr6	83057844	83067219	Dqx1	**1.46443**	16299
chr17	21733724	21748969	Zfp229	**1.10136**	17568
chr8	19210462	19212760	Defa-ps12	**0.70428**	417
chr3	40540767	40704774	Intu	**1.45388**	32727
chr2	37432168	37443121	Zbtb26	**1.09224**	20275
chr4	132782357	132796364	Themis2	**1.35552**	12144
chr1	67123027	67231267	Cps1	**0.71858**	14086
chr9	65552577	65580087	Plekho2	**1.73769**	31399
chr15	80572597	80652854	Grap2	**0.7252**	14364
chr2	119034790	119042197	Rpusd2	**1.0121**	18313
chr4	117926160	117929763	Artn	**1.09882**	8454
chr2	75659259	75659289	Hnrnpa3	**0.19221**	21
chr19	24294796	24555827	Pip5k1b	**1.86048**	16563

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chrX	36911272	36989695	Sept6	**1.14193**	25713
chr11	34047201	34092280	Lcp2	**0.94453**	11145
chr17	46383766	46420918	Zfp318	**1.32489**	64993
chr16	4284886	4420498	Adcy9	**1.5994**	44193
chr4	141016637	141060545	Crocc	**1.08564**	25559
chr10	110745465	110787384	E2f7	**0.89174**	17210
chr1	143640697	143649937	B3galt2	**2.80293**	45224
chr8	82863356	83091271	Rnf150	**1.26474**	43170
chr7	28692849	28699337	Fbxo27	**1.53567**	11225
chr10	11343445	11457477	Epm2a	**1.43079**	5441
chr10	77290727	77418273	Adarb1	**1.47772**	34300
chr2	28462001	28466324	1700007K13Rik	**1.19284**	3380
chr2	131127412	131145983	Hspa12b	**0.82731**	8581
chr5	110879803	111289779	Ttc28	**1.01389**	38188
chr11	34226821	34783905	Dock2	**1.30579**	29527
chr11	72390114	72411713	Smtnl2	**2.16168**	19991
chr10	125227485	125328535	Slc16a7	**1.91357**	16314
chr2	174760758	174784042	Edn3	**3.38944**	35574
chr5	88519809	88527897	Igj	**8.19214**	60689
chr3	146121791	146140646	Mcoln3	**0.72924**	4400
chr2	32599709	32620809	St6galnac6	**2.04482**	19422
chr2	132816141	132844188	Mcm8	**1.51513**	18540
chr9	7445822	7455974	Mmp3	**29.64826**	188084
chr19	4445908	4477143	Syt12	**1.10336**	10931
chr9	31315107	31378543	Prdm10	**1.08067**	12980
chr11	50898712	50916176	Zfp2	**1.26524**	14198
chr1	171839697	171890718	Cd84	**1.33265**	15457
chr17	25844852	25861515	Wdr90	**1.17993**	24743
chr13	74036495	74062285	Cep72	**1.01543**	12998
chr5	113550420	113589725	Wscd2	**2.73986**	36800
chr3	123076519	123236149	Synpo2	**2.59197**	65005
chr15	78325990	78351001	Csf2rb	**1.75275**	29052
chr9	107597674	107609241	Sema3b	**2.02119**	30360
chr5	52199984	52216433	C130083M11Rik	**1.54666**	11289
chr10	40883534	40938569	Wasf1	**1.26581**	11376
chrX	152294824	152327493	Kantr	**1.07918**	16195
chr13	49544443	49567562	Aspn	**5.74045**	47564
chr12	104247896	104254405	Serpina3h	**1.5356**	11100
chr1	162953800	162984491	Fmo3	**0.46499**	3294
chr17	23575852	23599487	Zfp13	**1.03892**	7832
chr2	85579215	85580282	Olfr996	**0.53028**	1996
chr11	69881567	69895539	Acap1	**0.77703**	6797
chr5	137061506	137072272	Serpine1	**1.3233**	14094
chrX	134804142	134809221	Armcx2	**1.34184**	17091
chr7	45473563	45488796	Dhdh	**1.40833**	13590
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chr2	93201760	93334487	Tspan18	**2.33157**	30823
chr13	43785112	43803133	Cd83	**0.92769**	7000
chr7	62348277	62349927	Ndn	**1.66703**	9700
chr10	4403169	4432352	Rmnd1	**0.67319**	242
chr11	62604884	62648523	Lrrc75a	**0.91529**	6400
chr8	123103058	123103105	Snord68	**0.63841**	108
chr8	88521344	88594887	Nkd1	**1.45172**	22814
chr5	110286319	110337453	Pole	**1.1387**	28610
chr3	138089855	138143388	Mttp	**1.30636**	20304
chr6	116410071	116461178	Alox5	**0.95861**	9551
chr9	102739648	102756685	Gm5627	**1.42175**	4665
chr18	66458604	66465558	Pmaip1	**1.90942**	17860
chr17	26414965	26446342	Neurl1b	**1.40765**	30699
chr17	36164444	36168537	Gm8909	**2.36756**	11323
chr15	84680998	84703673	Prr5	**1.25046**	8087
chr4	126058565	126089334	Oscp1	**1.41079**	10700
chr7	30314816	30319045	Syne4	**1.22339**	5838
chr10	85119433	85128027	Mterf2	**1.29647**	7160
chr15	88751711	88784516	Zbed4	**1.00212**	18980
chr6	27275121	28134369	Grm8	**1.6938**	21956
chr1	36761798	36782820	Zap70	**0.70085**	6721
chr8	70842049	70857008	Kcnn1	**1.24706**	17765
chr12	112130880	112130955	Mir203	**0.86242**	231
chrX	163909017	163933666	Ap1s2	**1.48471**	25483
chr8	36567739	36952442	Dlc1	**1.9603**	58552
chr2	156019140	156052947	Fer1l4	**1.05256**	22647
chr7	30077337	30090510	Zfp566	**1.05983**	6320
chr9	20875166	20879710	Angptl6	**0.86912**	3982
chr12	72441866	72510565	Lrrc9	**0.9467**	17233
chr2	29245116	29252993	6530402F18Rik	**1.01135**	14539
chr16	13676834	13678385	3110001I22Rik	**1.1154**	6101
chr8	77517056	77518578	0610038B21Rik	**1.3289**	5831
chr7	99624067	99627103	Gm4980	**1.55753**	16671
chr1	186623186	186705992	Tgfb2	**1.81515**	30227
chr2	60417543	60553308	Pla2r1	**0.98012**	24567
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chr18	32815383	32819799	Tslp	**1.22542**	5757
chr5	130144888	130155808	Kctd7	**0.9176**	13796
chr11	22512283	22519231	Tmem17	**1.38307**	6678
chr12	41024090	41955588	Immp2l	**1.85482**	7498
chr2	130872541	130906396	A730017L22Rik	**0.8787**	7355
chr4	58435252	58553491	Lpar1	**1.94702**	24964
chr6	34871771	34878065	3110062M04Rik	**1.21623**	6674
chr8	25024928	25038962	Htra4	**1.01345**	7790
chr10	80602880	80607654	Adat3	**1.21778**	5764
chr6	148212375	148212430	4732416N19Rik	**0.23307**	46

chr11	6620319	6620419	Snora5c	**1.34566**	479
chr4	126024659	126044975	Csf3r	**2.00279**	28566
chr10	118141787	118168999	Mdm1	**1.15315**	12806
chr12	73286848	73354045	Slc38a6	**1.15136**	12007
chrX	139889511	139998595	Rbm41	**1.00331**	23900
chr18	61298136	61400431	Ppargc1b	**1.46658**	18897
chr2	119047119	119104121	Casc5	**1.30381**	29983
chr2	129369902	129375733	Il1bos	**0.90386**	4447
chr5	129863952	129879083	Phkg1	**3.38178**	21966
chr5	137730963	137739998	Nyap1	**0.51869**	6400
chr9	95752642	95845279	Pls1	**1.87704**	24457
chr17	33974659	33978791	H2-K2	**0.7985**	3726
chr2	180179755	180179823	Mir7005	**0.66206**	161
chrX	74274027	74274105	Mir7091	**1.42229**	396
chr4	135120645	135177990	Runx3	**0.80725**	11070
chr5	110167508	110176504	Gm15787	**1.60852**	7296
chr2	180598222	180621956	Col9a3	**0.88971**	8206
chr17	36109030	36111676	C920025E04Rik	**1.57851**	7171
chr16	91614257	91618999	Dnajc28	**0.89063**	11096
chr7	30423304	30428746	Nfkbid	**0.98462**	6975
chr11	70688361	70700155	Inca1	**1.09578**	4951
chr7	118535844	118584686	Tmc7	**1.3414**	21241
chr11	95830072	95842476	Abi3	**1.31793**	11013
chr7	80316616	80324454	Rccd1	**1.0468**	8633
chr5	125003475	125012547	Fam101a	**0.96196**	5594
chr2	71981215	72257474	Rapgef4	**0.89463**	14548
chr12	11240926	11265787	Gen1	**1.06469**	12319
chr11	99415664	99422259	Krt12	**0.17875**	1168
chr4	116097044	116123690	Rad54l	**1.00564**	9417
chr8	46552069	46579584	Cenpu	**0.93829**	4623
chr6	124841095	124857687	Leprel2	**1.96933**	19288
chr11	110269369	110337716	Abca5	**1.41712**	41299
chr8	40308051	40386304	Micu3	**1.13018**	13017
chr10	127182521	127190054	Arhgef25	**2.18219**	18358
chr4	99829500	99912783	Efcab7	**0.50758**	3254
chr16	92346001	92359468	Kcne1	**0.57548**	6399
chr11	116918863	116986944	Mgat5b	**0.72035**	10800
chr3	152273460	152340407	Fam73a	**1.24609**	23513
chrX	134075316	134075397	Mir3112	**1.1142**	322
chr2	80411970	80447396	Frzb	**2.26039**	23262
chr1	135371456	135375063	Shisa4	**2.93205**	12297
chrX	153685154	153696280	Kctd12b	**2.38081**	40234
chr13	12182717	12186488	Gm10336	**1.09238**	14522
chr15	74702412	74707864	Jrk	**1.06757**	20517
chr12	32173397	32208649	Pik3cg	**1.0312**	25273
chr3	134829007	134934581	Tacr3	**0.61052**	8099
chr9	108854043	108862143	Slc26a6	**1.1638**	11177

chr5	25760026	25850341	Actr3b	**1.48221**	8938
chr7	109034460	109083324	Ric3	**0.68113**	15229
chr5	92346639	92348889	Cxcl10	**1.13496**	4400
chr13	12186540	12258113	Mtr	**1.1573**	18289
chr19	60889749	61092555	Grk5	**1.78988**	19978
chr17	66123520	66152168	Ddx11	**1.36004**	19892
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chr11	97509340	97575126	Srcin1	**0.65828**	16159
chr5	137569840	137588081	Tfr2	**0.90234**	12021
chr12	69198430	69199868	9330151L19Rik	**0.92871**	4710
chr12	84409068	84433780	Ccdc176	**1.97858**	14581
chr7	141061274	141072119	B4galnt4	**0.8069**	8830
chr5	35652026	35679780	Htra3	**3.39616**	41306
chr11	61653321	61672777	Grap	**1.47069**	8288
chr7	44836288	44836537	Il4i1	**0.21168**	47
chr7	44816370	44834092	Nup62-il4i1	**1.06048**	897
chr5	74093083	74094336	Dancr	**0.95231**	3071
chr9	59707764	59716424	Gramd2	**0.77199**	3722
chr11	59810080	59818362	Gm16062	**1.10958**	1705
chr9	79598987	79718722	Col12a1	**1.93645**	79979
chr5	115631049	115631816	1110006O24Rik	**1.03336**	2797
chrX	102119465	102127673	Pin4	**1.00294**	1679
chr1	9960163	9967485	Tcf24	**2.21**	29177
chr11	120653789	120660837	Notum	**1.94851**	13865
chr14	75955003	75965217	Kctd4	**0.56936**	6050
chr17	57358686	57483529	Emr1	**2.48423**	28411
chr8	95703037	95715119	Ndrg4	**1.18901**	12429
chr7	29289320	29293390	Ppp1r14a	**2.22289**	4160
chr4	107291465	107307143	Dio1	**2.41707**	14175
chr11	3452472	3479831	8430429K09Rik	**1.13318**	10176
chr9	70089310	70141557	Fam81a	**0.64041**	6507
chr1	16994940	17097889	Jph1	**2.36064**	39993
chr8	40423815	40484842	Zdhhc2	**0.87132**	7671
chr17	57279100	57329236	Vav1	**0.96062**	14111
chr7	79392338	79450264	Fanci	**1.00321**	14924
chr4	149649168	149701629	Pik3cd	**1.00835**	19194
chr6	85213051	85333422	Sfxn5	**1.42996**	18415
chr15	58341464	58389274	Anxa13	**1.28875**	5623
chr19	7269764	7275225	Rcor2	**0.93744**	6654
chr1	189207930	189402273	Kcnk2	**1.06187**	15430
chr16	5884793	7412480	Rbfox1	**1.30993**	25304
chr2	76663034	76673098	Fkbp7	**3.78182**	11969
chr8	45336715	45382291	Fam149a	**0.82812**	15991
chr4	132974095	133001882	Fgr	**0.98935**	11653
chr18	70508680	70530321	Poli	**0.87871**	10740
chr4	14952245	15149131	Necab1	**1.31588**	20925
chr19	53677306	53867080	Rbm20	**0.61547**	14299

chr2	91184061	91195116	Nr1h3	**2.80883**	20155
chr12	98268635	98276722	Gpr65	**0.80589**	6098
chr7	98051054	98119493	Myo7a	**1.53796**	40609
chr14	49682019	49783367	3632451O06Rik	**1.6981**	16446
chr3	95134088	95139520	Lysmd1	**1.01303**	8101
chr8	71988482	72009626	Cyp4f18	**1.04093**	6244
chr11	51253651	51262951	BC049762	**0.71947**	2239
chr9	65630582	65660518	Rbpms2	**1.03907**	7163
chr2	163336242	163397993	Jph2	**4.42067**	66293
chr11	58888153	58904225	Zfp39	**1.03488**	14188
chr11	80089400	80135791	Atad5	**0.92243**	23641
chr2	93403547	93417830	Gm13807	**0.9244**	4219
chr7	119794130	119848938	2610020H08Rik	**1.05534**	8722
chr7	25009851	25072369	Grik5	**1.31586**	17799
chr17	6673610	6738044	Sytl3	**1.31588**	11390
chr8	84208815	84208921	Mir24-2	**0.81575**	69
chr1	193221641	193264045	Hsd11b1	**1.53141**	7799
chr2	32450457	32455476	Naif1	**1.04007**	10150
chr9	40192316	40213604	Zfp202	**0.94043**	12850
chr16	43640655	43640737	Mir568	**2.59468**	759
chr2	157010442	157079265	Soga1	**1.21955**	56873
chr11	53476578	53480195	Sowaha	**0.36052**	4597
chr8	109339800	109340908	Gm1943	**0.63963**	2500
chr2	113220187	113423560	Mir1954	**0.77177**	204
chr7	100937634	100964366	P2ry6	**1.29896**	8776
chr12	75630594	75669537	Wdr89	**1.11259**	8454
chr17	55652025	55712628	Pot1b	**1.14501**	14120
chr6	48613180	48623227	Zfp775	**1.09576**	15768
chr3	103735394	103738001	Olfml3	**3.66459**	22421
chr7	7171353	7183560	Zfp418	**1.23921**	11792
chr3	95139526	95142360	Tnfaip8l2	**2.28871**	9010
chr15	82899080	82905816	Gm20324	**0.43222**	1700
chr13	9876613	10360803	Chrm3	**0.90863**	10145
chr7	140247301	140299791	5830411N06Rik	**1.17363**	14142
chr17	84511895	84622142	Plekhh2	**1.09552**	26587
chr7	127582448	127588595	Gm166	**0.81889**	5117
chr1	173420604	173466036	Aim2	**1.83698**	16425
chrX	133582861	133688993	Pcdh19	**1.46611**	53190
chrX	144153695	144166274	A730046J19Rik	**0.18687**	3100
chr12	84783212	84875801	Ltbp2	**1.35589**	28237
chr12	116401947	116405161	D430020J02Rik	**1.30096**	13260
chr11	70130357	70137542	Mgl2	**1.21221**	6622
chr12	108536402	108555618	Gm16596	**0.97735**	4440
chr19	11469368	11482196	Ms4a6c	**1.58905**	11492
chr11	98036624	98053462	Stac2	**1.24663**	13396
chr10	82650495	82690650	Glt8d2	**0.73873**	5444
chr11	83028126	83040533	Slfn10-ps	**0.57827**	7555

chr11	94645217	94653754	Eme1	**0.83177**	5901
chr12	83763634	83792384	Papln	**0.73811**	11381
chr10	34126067	34127972	Fam26f	**1.02272**	3900
chr3	32365489	32367438	4930429B21Rik	**1.0261**	6466
chr11	3703731	3863903	Osbp2	**1.05074**	15172
chr5	104508352	104522383	BC005561	**1.14082**	20831
chr11	120442631	120447321	Tspan10	**0.64611**	4700
chr4	134510999	134523922	Clhc1	**0.69237**	3099
chr18	42645221	43059471	Ppp2r2b	**0.45053**	4511
chr14	34526699	34588681	Ldb3	**4.6087**	97700
chr1	165295766	165321851	Gpr161	**0.94891**	6498
chr4	101069038	101151973	Raver2	**0.89915**	11386
chr7	98177194	98184799	Gm16938	**0.52257**	5864
chr6	124512621	124523440	C1ra	**5.13135**	49950
chrX	166499815	166510478	Tceanc	**1.16854**	16667
chr11	72028722	72037509	Aipl1	**1.73479**	9599
chr19	6184410	6224219	1700123I01Rik	**0.38911**	2212
chr11	73135484	73138294	Gsg2	**1.00939**	10000
chr13	43615797	43670944	Rnf182	**1.00984**	12300
chr9	22188166	22202123	Zfp872	**0.90212**	9411
chr7	121064067	121074530	Igsf6	**1.60932**	12098
chr7	28716790	28738140	Fbxo17	**1.15082**	7982
chr3	92957390	92958574	Lce3d	**1.06301**	2098
chr7	127527897	127528003	Snora30	**0.62582**	236
chr2	148404471	148408188	Thbd	**2.06333**	27037
chr11	69396516	69398234	Tmem88	**0.83835**	4234
chr17	35062693	35066184	G6b	**1.03558**	7763
chr17	26917091	26932579	Kifc5b	**0.83383**	7720
chrX	94791285	94798289	Zxda	**0.87876**	21695
chr15	79154913	79164490	Sox10	**0.52293**	5000
chr14	33923587	33935282	Gdf10	**4.55725**	40298
chr5	97884688	98030962	Antxr2	**1.98383**	26226
chr13	96924689	96950914	Gcnt4	**1.39169**	24990
chr2	163472630	163473003	2310001K24Rik	**0.89294**	1177
chr18	34409423	34442788	Pkd2l2	**1.06093**	8413
chr17	26113316	26123253	Tmem8	**1.43467**	17510
chr10	80321283	80329473	Pcsk4	**1.20584**	10684
chr8	123407082	123410744	Mc1r	**0.53448**	6900
chr17	45600967	45602102	Gm7325	**0.75586**	2600
chr12	73100259	73113245	Six4	**0.70034**	13753
chr16	36321665	36334332	BC117090	**0.95313**	1300
chr18	35726989	35730869	1700066B19Rik	**1.57405**	13891
chr11	95145053	95159047	A730090H04Rik	**0.83187**	4644
chr17	17121383	17146878	Zfp97	**0.95504**	9300
chr19	5406815	5422803	4930481A15Rik	**1.28586**	9612
chr16	48924228	48994112	Dzip3	**1.04705**	21296
chr7	83584931	83623709	Tmc3	**4.78393**	72769

chr8	111966908	111992302	Adat1	**0.84188**	9373
chr15	45106284	45114934	Kcnv1	**0.68953**	10926
chr5	123118180	123132629	Rhof	**0.61594**	4652
chr2	150570415	150578944	Cst7	**0.71942**	2500
chr17	32659483	32676480	Cyp4f40	**1.33778**	7440
chr13	48577869	48625672	Ptpdc1	**1.11965**	18136
chr13	53109317	53286109	Ror2	**1.16598**	16314
chr2	164948219	164955849	Mmp9	**2.14289**	23971
chr8	105281940	105289528	4931428F04Rik	**1.86213**	13270
chr8	22128283	22166435	Nek3	**0.78542**	5658
chr5	31116612	31137626	Trim54	**4.21146**	22739
chr9	18454054	18473559	Zfp558	**0.65876**	8913
chrX	20105755	20291764	Slc9a7	**1.49501**	13009
chr19	5465240	5468498	Ctsw	**0.55297**	2401
chr4	28813131	28967503	Epha7	**0.61396**	17278
chr5	140724127	140753312	Amz1	**0.85555**	8096
chr5	51454249	51553921	Ppargc1a	**1.13263**	25803
chr9	8076633	8134294	AK129341	**2.38989**	30718
chr15	84324720	84342978	Parvg	**0.71893**	7125
chr12	5077466	5375682	Klhl29	**0.77504**	19249
chr19	32389216	32391184	2700046G09Rik	**0.90586**	5239
chr6	65590398	65634040	Tnip3	**2.01275**	26736
chr9	120577331	120578073	5830454E08Rik	**1.33659**	3500
chr2	125563088	125625113	Cep152	**0.90818**	18462
chr4	119530315	119538769	AA415398	**0.65266**	4375
chr1	82233105	82291439	Irs1	**1.13013**	36496
chr17	6040571	6079739	Serac1	**0.8094**	15213
chr7	8086047	8093037	2810047C21Rik1	**1.24852**	7234
chrX	105120396	105123911	Magee1	**1.33953**	16599
chr10	51480612	51486329	Gp49a	**1.7482**	9131
chr7	92857527	92874232	Ddias	**0.94056**	11433
chr10	20952547	21080429	Ahi1	**1.05425**	18927
chr5	123749726	123821593	Kntc1	**1.06371**	26096
chr5	137852147	137858049	Pilrb1	**2.05878**	7401
chr3	107938848	107943749	Gstm6	**0.60418**	2453
chr12	69893164	69964085	Atl1	**0.68361**	6440
chr16	97447035	97462906	Mx1	**1.50911**	15823
chr17	10840384	12063360	Park2	**0.92842**	10474
chr17	56628143	56664456	Catsperd	**1.26405**	11427
chr17	29360914	29379535	Fgd2	**0.9992**	9244
chr2	25498650	25501719	C8g	**0.64737**	2820
chr2	128698997	128802188	Mertk	**1.07422**	13459
chr8	81342562	82127917	Inpp4b	**0.98424**	33977
chr17	34950950	34951008	Snord52	**2.11602**	440
chr7	16994588	16996645	Ccdc8	**1.2294**	8917
chr11	60353380	60394333	Lrrc48	**0.87382**	5722
chr13	119710094	119755882	Nim1k	**1.12984**	16338

chr7	27499324	27520041	Prx	**0.93817**	17392
chr11	78826595	78843899	Lyrm9	**0.73313**	13056
chr6	5168090	5193946	Pon1	**1.13983**	6078
chr4	59626211	59754303	E130308A19Rik	**1.02961**	19889
chr10	67979598	68043864	Rtkn2	**0.91335**	12657
chr5	76591714	76646466	Cep135	**1.04387**	19550
chr18	38238405	38250565	1700086O06Rik	**0.97699**	6129
chr5	128984558	129008572	Stx2	**1.50307**	15553
chr16	91729371	91920579	Itsn1	**1.02658**	70400
chrX	145446424	145487639	Amot	**1.60733**	42401
chr8	25578490	25597487	Letm2	**0.87297**	6461
chr6	58596672	58692451	Abcg2	**2.28746**	20082
chr8	106870242	106882902	Has3	**1.04646**	21804
chr12	84114328	84143510	Dnal1	**1.08179**	21953
chr11	6506548	6520958	Myo1g	**1.05165**	12257
chr1	84036293	84284645	Pid1	**1.82978**	17199
chr9	45253839	45269146	Il10ra	**1.04788**	12900
chr5	120812635	120824160	Oas1b	**0.5786**	3746
chr8	108714644	108961636	Zfhx3	**0.63821**	36976
chr11	98907889	98923942	Cdc6	**0.76292**	12640
chr10	81178961	81179013	Snord37	**0.28374**	53
chr17	43641900	43667015	Slc25a27	**0.88807**	8410
chr2	115493513	115512201	3110099E03Rik	**0.64378**	5999
chr2	28193093	28230736	Olfm1	**1.54741**	18695
chr16	73892306	74410912	Robo2	**0.90936**	25790
chr9	41581339	41592487	2610203C20Rik	**1.00927**	9170
chr1	170317496	170589849	Nos1ap	**0.61639**	8003
chr7	79698146	79714186	Kif7	**1.0326**	16293
chr3	102086455	102146512	Casq2	**1.85277**	16416
chr10	116417868	116473523	Kcnmb4	**1.38358**	3506
chr2	32787607	32847237	Stxbp1	**1.04272**	14718
chr7	24301704	24316666	Zfp94	**0.90743**	8507
chrX	136033367	136034946	Arxes1	**1.47096**	8191
chr10	75923224	75932463	Mmp11	**1.86786**	14792
chr5	43818893	43843468	Bst1	**1.22338**	10072
chr12	105030617	105032279	Snhg10	**0.96547**	1800
chr1	87620312	87720510	Inpp5d	**1.10113**	18523
chr13	93040715	93144724	Cmya5	**6.89749**	225541
chr6	38381524	38427647	Ttc26	**0.92119**	13441
chr3	102734770	102772310	Tspan2	**1.51602**	22836
chr5	120753098	120777659	Oas3	**0.52484**	8727
chr12	4082574	4110612	Dnajc27	**1.07078**	17786
chr11	59505685	59511067	4933439C10Rik	**0.76397**	3406
chr9	72438529	72456903	Mns1	**1.16273**	6323
chr14	55878920	55884256	Cbln3	**0.42185**	7022
chr11	74905446	74905505	Snord91a	**0.64314**	136
chr7	45215753	45233619	Tead2	**1.52259**	10786

chr18	37742094	37744658	Pcdhgb6	**0.54027**	4884
chr13	104109790	104141441	Sgtb	**1.13527**	10823
chr15	101643020	101647380	Gm5478	**0.3518**	3670
chr9	124121543	124127183	Ccr5	**1.17326**	12099
chr6	34303930	34317489	Akr1b3	**2.0486**	361
chr13	15463723	15730025	Gli3	**0.85856**	25496
chr2	79834453	80129412	Pde1a	**0.53113**	8957
chr1	12866550	12991135	Slco5a1	**0.96827**	29044
chr2	30795563	30803664	1700001O22Rik	**0.66967**	3755
chrX	7158412	7319358	Clcn5	**0.7584**	11635
chr2	114047289	114052811	Actc1	**1.02065**	5000
chr5	127632262	127707520	Glt1d1	**0.82865**	4553
chr14	27039001	27107286	Il17rd	**0.94393**	27346
chr7	100472991	100486432	Ucp3	**3.20296**	27634
chr5	38137770	38159467	Nsg1	**1.82897**	10075
chr2	163726571	163750239	Ada	**1.62437**	9738
chr14	52311177	52328670	Sall2	**0.84537**	15898
chr19	5024006	5031972	Slc29a2	**0.67384**	5873
chr19	46312091	46327156	Psd	**0.85857**	11789
chr3	96601133	96625352	Lix1l	**2.95071**	26092
chr7	30056034	30072823	Zfp82	**0.61669**	7381
chr9	56201129	56418050	Peak1	**1.12198**	43414
chr7	142326110	142372259	Ifitm10	**0.83409**	9495
chr15	6579847	6665608	Fyb	**1.12025**	19729
chr5	120896257	120907525	Oas1a	**1.32868**	8841
chr1	45374331	45503282	Col5a2	**3.59459**	83803
chr6	38287394	38299259	Zc3hav1l	**0.69859**	16097
chr3	37312554	37321451	Bbs12	**1.1908**	10215
chr17	46129277	46144198	Rsph9	**1.2952**	4300
chr13	22002176	22009741	Prss16	**2.73614**	20752
chr7	141448803	141448936	Snora52	**0.22233**	105
chr4	88910557	88910662	Mir31	**0.29712**	111
chr11	109440078	109440255	LOC100503496	**1.03294**	648
chr3	89215187	89226837	Thbs3	**1.57407**	17658
chr7	101289616	101302088	Atg16l2	**1.0003**	7629
chrX	106143275	106160493	Tlr13	**1.27308**	18010
chr6	5383386	5433021	Asb4	**0.5959**	6899
chr4	115000118	115043198	Stil	**0.88812**	16677
chr7	12415149	12422491	Zfp551	**0.97213**	8000
chr11	75193993	75267762	Rtn4rl1	**0.96727**	11277
chr9	45139042	45154061	Scn4b	**3.13404**	46877
chr11	120232947	120292297	Bahcc1	**0.93364**	35297
chr16	17276300	17278661	Tmem191c	**1.05838**	5252
chr14	56696275	56701000	Gm16973	**0.62397**	3932
chr12	100876682	100908198	Gpr68	**0.63605**	7857
chr9	106470353	106476651	Parp3	**2.69676**	25025
chr5	113793729	113800352	Tmem119	**2.37151**	17368

chr11	23013387	23023741	Fam161a	**1.66274**	11351
chr9	65587205	65595962	Pif1	**1.12362**	14573
chr6	125215581	125222306	Vamp1	**0.90513**	8747
chr9	111054835	111057270	Ccrl2	**1.69087**	12574
chr4	119232915	119248977	Lepre1	**1.36843**	16224
chr6	120203810	120294559	B4galnt3	**0.84164**	8783
chrX	136974022	136974239	Tmsb15b1	**1.7584**	1351
chr11	67200114	67224575	Myh1	**8.3405**	176928
chr4	108400217	108406713	Gpx7	**1.82304**	7800
chr1	75546266	75559431	Slc4a3	**0.95728**	14983
chr10	88091398	88146941	Parpbp	**0.8227**	9261
chr11	4141193	4160293	Ccdc157	**0.96214**	17236
chr7	109758056	109781545	Nrip3	**0.69655**	9606
chr9	88956920	88962416	Bcl2a1a	**0.92679**	2600
chr17	43146041	43158291	E130008D07Rik	**0.68292**	12222
chr14	55575674	55576952	Fitm1	**4.07533**	13099
chr2	52428320	52676609	Cacnb4	**0.70517**	21577
chr11	70790932	70812561	Scimp	**0.63472**	2360
chr5	90366997	90368488	Gm9958	**1.03626**	5449
chr4	108879070	108943324	Rab3b	**0.51457**	5446
chr2	128863932	128897034	Fbln7	**2.15141**	22057
chr12	108851129	108856815	Slc25a47	**0.94334**	5253
chr2	120732817	120850584	Ttbk2	**1.20723**	47942
chr9	120048683	120068296	Cx3cr1	**1.26227**	16696
chr10	82128013	82153065	AU041133	**0.75201**	6981
chr3	116585196	116614587	Trmt13	**0.94673**	6810
chr13	13437602	13512275	Nid1	**2.71674**	57889
chr3	59114623	59132462	P2ry14	**1.32825**	11689
chr8	54550331	54587836	Asb5	**3.44584**	19176
chr17	36115871	36121435	H2-T10	**0.99215**	10060
chr10	7678971	7681158	BC020402	**1.14857**	8857
chrX	16885522	16911764	Ndp	**0.91244**	6200
chr19	37021291	37207471	Cpeb3	**0.9532**	21843
chr17	23741199	23745829	Kremen2	**0.78059**	5824
chr15	76457438	76459468	Scx	**1.09899**	4400
chr7	4782940	4784340	Tmem190	**0.6252**	1289
chr11	121434953	121450490	Fn3k	**0.61486**	2180
chr7	29003340	29125151	Ryr1	**4.2236**	228671
chr16	22059009	22163299	Igf2bp2	**0.75785**	10414
chr1	134296783	134332928	Ppfia4	**0.36474**	7799
chr19	58728887	58744169	Pnliprp1	**0.66019**	3767
chr2	175470025	175470059	Gm14306	**1.03768**	128
chr12	4833174	4841595	Fkbp1b	**0.71253**	2461
chr6	125049927	125063265	Acrbp	**0.64817**	4370
chr16	57036967	57071346	Tmem45a2	**1.58346**	17116
chr9	75775365	75899017	Bmp5	**1.88292**	16776
chr10	88459587	88473236	Sycp3	**0.59062**	2169

chr12	69168814	69179010	Lrr1	**0.79394**	4200
chr9	21927536	21935872	Ccdc159	**0.70374**	3636
chr13	47023543	47043217	Tpmt	**1.06922**	10231
chr5	136083916	136111861	Rasa4	**1.89137**	19431
chr8	3623374	3625545	Pcp2	**1.28367**	2814
chr11	99280093	99285238	Krt24	**1.18569**	7058
chr16	44867097	44915840	Cd200r2	**2.23765**	13801
chr16	32142825	32165476	Nrros	**1.15792**	14524
chr7	19671579	19677941	Apoc2	**1.83162**	4693
chr16	96467606	96525793	Pcp4	**0.57545**	1300
chr11	97136171	97149712	Tbkbp1	**1.72762**	20306
chr8	119666365	119688020	Wfdc1	**10.11317**	41666
chr14	99870640	100149796	Klf12	**0.52235**	10556
chrX	157566119	157568985	Yy2	**0.85003**	8589
chr2	34893755	34913976	Phf19	**0.59856**	7896
chr4	43957702	43979118	Glipr2	**1.59802**	11371
chr13	54503805	54551217	Simc1	**0.80361**	13368
chr9	20667986	20728214	Olfm2	**0.50124**	2694
chr9	72458055	72491959	Tex9	**0.78548**	11220
chr7	28982854	29003278	Map4k1	**0.61491**	5847
chr6	83101516	83109107	Ccdc142	**0.93793**	10297
chr11	101155884	101161787	Tubg2	**0.86527**	5419
chr8	85636588	85691009	Neto2	**0.92127**	18332
chr8	71554303	71558871	Tmem221	**0.7406**	4017
chr14	115044392	115046728	Mir17hg	**0.60934**	4847
chr11	46978783	47379302	Sgcd	**0.90862**	4480
chr12	90724552	90738438	Dio2	**1.65813**	33982
chr4	123403601	123411911	D830031N03Rik	**0.78434**	22974
chr11	100347327	100356141	Hap1	**0.89382**	9945
chr14	61309753	61311936	Arl11	**1.16789**	6100
chr14	61602836	61682373	Dleu2	**1.08705**	6490
chr15	102662868	102671047	Atp5g2	**0.95822**	2185
chr11	121036749	121039478	Cd7	**0.43652**	1600
chr4	144669937	144686368	Gm436	**9.98281**	43064
chr13	23571400	23571863	Hist1h2bg	**1.44193**	2358
chr10	113586578	113614774	Mir669h	**1.56057**	275
chr7	127382260	127387166	9130019O22Rik	**0.78808**	10771
chr13	67312998	67332560	Zfp595	**0.79003**	10884
chr4	155839680	155844102	Mxra8	**4.18437**	33373
chrX	6047507	6054751	Nudt11	**1.31972**	12200
chr15	75909735	75914535	Tigd5	**0.54963**	9300
chr6	145250552	145251856	Gm15706	**0.76859**	2400
chr7	29932791	29951893	Zfp74	**0.97753**	12785
chr2	140395430	142390050	Macrod2	**0.98169**	17441
chrX	102513975	102644246	Phka1	**2.09587**	45169
chr18	69925559	69969484	Ccdc68	**1.64197**	8825
chr3	40894277	40936307	3110057O12Rik	**0.65174**	5724

chr18	35614604	35627227	Slc23a1	**0.14333**	1520
chr6	24597771	24605414	Lmod2	**1.63017**	11301
chr3	90266514	90280665	Dennd4b	**1.04914**	20037
chr4	112804616	113286973	Skint6	**0.15426**	2079
chrX	101449109	101453541	Itgb1bp2	**2.95151**	13450
chr15	44671856	44788063	Sybu	**0.58929**	7780
chr8	70895759	70895856	Snora68	**2.76501**	955
chr17	36860691	36867187	Trim15	**0.8272**	5373
chr3	89350235	89365239	Dcst1	**0.94596**	7708
chr4	108579454	108614831	Orc1	**0.54638**	5800
chr8	40307875	40307929	Mir7666	**0.53137**	103
chr14	34051130	34102754	A630023A22Rik	**0.91004**	3419
chr9	122382022	122398801	A730085K08Rik	**2.43184**	4851
chr18	25127223	25168877	Tpgs2	**0.91589**	21966
chr2	150934519	151009398	Ninl	**0.87233**	15658
chr9	78257129	78269166	Gm3776	**0.25972**	800
chr11	87806428	87826114	Lpo	**0.76058**	7846
chr7	55962531	55980096	A230056P14Rik	**0.88988**	2923
chr7	45627537	45639092	Rasip1	**1.79471**	19937
chr2	164731226	164743267	Wfdc3	**1.10278**	3187
chr4	128583539	128610098	Zscan20	**0.76576**	14498
chr2	3424131	3461116	Dclre1c	**0.7589**	10300
chr13	51097738	51100727	9430083A17Rik	**0.88234**	9298
chrX	100524838	100546108	Dgat2l6	**2.24643**	12723
chr19	38524197	38785100	Plce1	**0.68451**	22940
chr2	155490380	155514846	Ggt7	**0.84883**	7811
chr5	8660092	8748570	Abcb1a	**1.84969**	32445
chr15	103530279	103537992	Ppp1r1a	**9.16774**	41842
chr3	86140617	86140687	Rnu73b	**0.28374**	71
chr17	87274886	87282814	4833418N02Rik	**0.90685**	4890
chr5	45719667	45727578	Gm3414	**0.91172**	25423
chr17	27018035	27036377	Ggnbp1	**1.04934**	6594
chr11	96944146	96965060	D030028A08Rik	**0.71106**	7067
chr5	137296624	137296688	Mir7036	**1.2179**	279
chr18	57468486	57478134	Ctxn3	**2.63905**	13691
chrX	6400145	6633717	Shroom4	**0.51147**	7982
chr2	156852403	156862945	5430405H02Rik	**1.13317**	2536
chr11	98001508	98022627	Cacnb1	**1.43625**	19478
chr13	74371426	74376566	Zfp72	**0.69533**	3992
chr15	76660641	76668196	Kifc2	**1.19734**	13263
chr4	132564067	132580866	Ptafr	**1.10191**	7068
chr11	29374172	29510808	Ccdc88a	**0.82957**	25910
chr9	108403633	108428482	Ccdc36	**0.58233**	5882
chr2	156312473	156375638	Cnbd2	**0.75415**	5058
chr8	128359073	128505475	Nrp1	**1.62062**	33356
chr7	45526330	45554229	Plekha4	**0.90914**	8523
chr2	26581056	26592682	Egfl7	**4.02009**	22485

chr1	61638824	62642284	Pard3b	**0.86853**	25688
chr17	6439002	6450994	Tmem181b-ps	**0.76525**	12703
chr11	115523109	115536230	Sumo2	**0.64144**	2064
chr8	70882889	70892757	Slc5a5	**1.49225**	15399
chr10	39892760	39899238	AA474331	**0.81235**	2236
chr9	106152860	106158138	Glyctk	**0.95918**	13522
chr3	90450592	90465866	Npr1	**1.96984**	28221
chr9	110476958	110525174	Kif9	**0.74899**	9210
chr14	55061659	55092048	Zfhx2	**0.80193**	19640
chr7	29893337	29906508	Zfp27	**0.92653**	12500
chr2	164830730	164833596	Neurl2	**0.80137**	2347
chr15	84553398	84557823	Ldoc1l	**0.73082**	11400
chr16	93919031	94008837	Cldn14	**0.6347**	4400
chr7	27984471	28014115	Zfp850	**0.71481**	16491
chr6	53573374	53695832	Creb5	**1.24893**	12646
chr1	187609006	188214884	Esrrg	**1.80281**	35454
chr11	105967945	105989964	Ace	**3.31475**	59066
chr7	18991245	19001766	Mypop	**1.13665**	8713
chr8	70616844	70620850	Lrrc25	**1.34448**	6032
chr7	28833794	28840867	Lgals4	**0.72586**	1187
chr14	56402697	56525031	Rnf17	**0.30215**	5481
chr1	74125541	74148230	Rufy4	**0.95361**	7851
chr6	148842492	148896237	Caprin2	**0.91651**	11932
chr19	46667165	46673000	Cyp17a1	**4.83652**	31381
chr5	148990056	148995214	5930430L01Rik	**1.27658**	17929
chr5	65199696	65260415	Wdr19	**0.93718**	14543
chr2	124089969	124667789	Sema6d	**0.68516**	17403
chr16	48842552	48844461	Retnla	**1.04386**	2200
chr5	139017304	139130386	Prkar1b	**0.88903**	8582
chr11	69804931	69806038	G630025P09Rik	**1.14116**	2023
chr6	118502564	118562256	Ankrd26	**0.81505**	16385
chr15	30172593	31029343	Ctnnd2	**0.61439**	12875
chr3	87078592	87174747	Kirrel	**1.31399**	33746
chr16	45094053	45127924	Ccdc80	**6.48214**	83340
chr14	44851235	44859375	Ptgdr	**0.71376**	8017
chr4	12140117	12146746	Rbm12b1	**0.64749**	7494
chr15	55307750	55520803	Col14a1	**3.64003**	82720
chr6	116264219	116330304	Zfand4	**0.77534**	8594
chr6	128934381	128984707	Clec2g	**0.4175**	3680
chr7	143636725	143649638	Tnfrsf22	**0.70243**	5632
chr12	110275385	110278047	Dio3os	**1.05173**	4663
chr10	81628540	81647612	Ankrd24	**0.95306**	12287
chr4	130308778	130315463	Fabp3	**1.97199**	4448
chr10	76595756	76623404	Col6a2	**5.78809**	76069
chr1	36307733	36324029	Arid5a	**0.8998**	18374
chr12	99717531	99883442	Efcab11	**0.71175**	5190
chr6	128399766	128408935	Nrip2	**0.61028**	4078

chr10	95417375	95428640	5730420D15Rik	**1.92496**	8019
chr1	134986353	135105276	Lgr6	**0.98992**	12640
chr17	36005695	36020560	H2-T24	**1.18931**	9146
chr3	88744701	88772599	Syt11	**0.96286**	15498
chr1	153404186	153414233	E330020D12Rik	**1.30247**	12977
chr5	65987928	66004285	9130230L23Rik	**0.58094**	2977
chr2	27021365	27027998	Slc2a6	**1.17003**	8808
chrX	108834478	108886896	2810403D21Rik	**0.91813**	3252
chr7	81859001	81876094	Tm6sf1	**1.15379**	5697
chr9	57441327	57468060	Scamp5	**1.36753**	16117
chr7	84246275	84410038	Arnt2	**0.38228**	8182
chr13	23760795	23761249	Hist1h4a	**0.71714**	1150
chr4	135369577	135398227	Ncmap	**0.67249**	5091
chr13	67038594	67061170	Zfp712	**0.62894**	8800
chr17	35026338	35028016	Sapcd1	**0.68238**	1265
chr12	90998492	91384409	Cep128	**0.95168**	16123
chr12	112850876	112860916	Gpr132	**0.77735**	6682
chr7	30522226	30535060	Arhgap33	**0.70293**	10950
chr7	30169922	30180209	Gm5113	**0.86159**	8973
chr11	109672926	109722256	Fam20a	**1.34768**	12069
chr3	153910567	153910611	Snord45b	**0.88905**	141
chr3	53513938	53657355	Frem2	**0.70661**	30751
chr11	70459985	70466199	Zmynd15	**0.74112**	6368
chr9	99385420	99436712	Mras	**1.09661**	15583
chr1	164931648	164935510	Xcl1	**0.28261**	500
chr2	122298900	122302885	Duoxa2	**1.34812**	7564
chr2	122594473	122611277	Gatm	**1.12521**	9347
chr6	113531682	113596285	Fancd2	**1.04081**	17534
chr17	57189474	57194181	Tnfsf14	**0.41415**	2728
chr6	83156404	83162975	1700003E16Rik	**0.70658**	5105
chr15	78282508	78305721	Csf2rb2	**1.40808**	23210
chr9	104098138	104126581	Ackr4	**1.4162**	10217
chr16	4616466	4624946	Pam16	**1.16683**	2270
chr11	96795332	96798156	Gm11517	**0.2908**	700
chr2	181227615	181242027	Helz2	**0.90825**	32359
chr18	88971790	89131014	Rttn	**0.66502**	16922
chr1	53189189	53296996	Pms1	**0.73435**	7842
chr16	34690616	34725194	Ccdc14	**0.78628**	11381
chr2	155941025	155945364	Gdf5	**0.91115**	7434
chr11	106654218	106715281	Pecam1	**4.45948**	51944
chr13	77135536	77613679	2210408I21Rik	**0.945**	16486
chr11	72498156	72550246	Spns3	**0.40557**	2600
chr2	153341157	153345810	2500004C02Rik	**0.68274**	4567
chr7	24978169	25005937	Atp1a3	**1.76237**	22348
chr7	24254794	24262444	Zfp108	**0.49835**	4621
chrX	161836430	162159441	Nhs	**0.72532**	13758
chr7	43562370	43575461	Zfp658	**0.44479**	5300

chr9	108568777	108568861	Mir425	**0.97473**	292
chr11	106318593	106349390	Scn4a	**1.69048**	39310
chr9	104002544	104043811	Nphp3	**0.89842**	20347
chr1	174011998	174031755	Ifi205	**1.88714**	10728
chr2	93833467	93849943	Accs	**0.98867**	14537
chr11	83175186	83190216	Slfn4	**1.23934**	17288
chr8	84043067	84044979	Rln3	**0.82135**	1375
chr3	104781056	104786017	Ppm1j	**0.80569**	4884
chr1	120067377	120073780	Tmem37	**1.78558**	6400
chr9	50751072	50752354	Hspb2	**2.73123**	5660
chr7	28451985	28467548	Lrfn1	**0.73434**	7169
chrX	36328409	36366856	Lonrf3	**0.90635**	23542
chrX	51386637	51681602	Hs6st2	**0.91765**	15498
chr17	13716436	13761394	Tcte2	**0.39881**	1979
chr7	35685500	35754454	Dpy19l3	**0.8028**	21704
chr10	80948624	81014925	Gng7	**0.75331**	9279
chr10	128913591	128919297	Rdh5	**0.60486**	2686
chr15	103248212	103258403	Nfe2	**1.72072**	16938
chr7	30355514	30362772	Lrfn3	**0.98481**	9930
chr10	17796219	17845663	Txlnb	**2.9283**	45998
chr1	153899926	153899928	Mir8114	**1.13496**	12
chrX	136213972	136215513	Bex1	**12.40165**	37851
chr5	110110092	110129794	Zfp605	**0.67997**	7568
chr7	139212988	139242973	Lrrc27	**0.93379**	8629
chr9	6928503	7177046	Dync2h1	**0.86084**	42390
chr3	101275908	101287939	Cd2	**0.96729**	3900
chr9	122923078	122931028	Zfp105	**0.56635**	4000
chr3	105704599	105720842	Fam212b	**0.52226**	8800
chr15	78755883	78773445	Mfng	**1.10572**	7147
chr3	135307700	135342767	Slc9b2	**0.83212**	6578
chr15	78523346	78529651	C1qtnf6	**1.66343**	13261
chr11	95140447	95145801	Dlx4	**0.75278**	4619
chr2	58129139	58160122	Cytip	**0.77671**	15699
chr6	115840697	115853341	Mbd4	**0.75242**	9504
chr9	119402501	119433506	Acvr2b	**0.72344**	4337
chr10	75893398	75895941	Derl3	**0.57385**	2702
chr3	95160420	95174050	Sema6c	**1.29849**	18946
chr7	24112320	24127952	Zfp112	**0.65518**	8098
chr13	108316337	108389557	Depdc1b	**0.70542**	6290
chr17	66336982	66449750	Mtcl1	**0.72892**	18697
chrX	7411817	7422988	2010204K13Rik	**1.01498**	3384
chr5	144190286	144194441	Bhlha15	**0.95484**	11758
chr9	36843659	36878640	Fez1	**1.16963**	5297
chr2	84839408	84863586	Slc43a1	**1.67177**	17228
chr2	18025189	18037741	A930004D18Rik	**0.72277**	6758
chr5	149006962	149012776	Gm15408	**0.93825**	4560
chr6	129267325	129275369	Cd69	**0.38533**	2200

chr6	124904359	124911705	Lag3	**0.80518**	5684
chr14	59320964	59341330	Phf11b	**0.5304**	2174
chr6	24748367	24766519	Hyal4	**1.44914**	10664
chr2	129297370	129307826	Gm14023	**0.79116**	4347
chr7	104315031	104324838	Gm15133	**0.20223**	593
chr4	43668971	43692667	Tmem8b	**0.90293**	15192
chr11	69622109	69623869	Sat2	**0.765**	2378
chr5	35757880	35884979	Ablim2	**1.08947**	14441
chr15	6299789	6440709	Dab2	**2.20818**	36017
chr19	4886882	4906627	Bbs1	**0.66644**	13146
chr15	96994823	97055956	Slc38a4	**1.11432**	15442
chrX	8081466	8090491	Was	**0.82873**	6116
chr2	4717831	4802146	Bend7	**0.94979**	12844
chr5	120680264	120711669	Dtx1	**0.92011**	12047
chr1	175880778	175911396	Exo1	**0.76995**	14941
chr2	177498226	177512311	Gm14403	**0.40948**	5357
chr19	11443558	11463548	Ms4a4b	**0.74634**	3309
chr17	15543079	15563323	Prdm9	**0.7688**	9375
chr1	118834061	119053619	Gli2	**1.09807**	25960
chr7	101899808	101906359	Tomt	**0.65866**	3294
chr11	54839289	54860591	Lyrm7	**0.65403**	5025
chr5	38668484	38684826	Zfp518b	**0.60603**	14699
chr17	94864918	94878321	Gm20939	**1.04053**	9135
chr9	114490316	114496544	Ccr4	**0.33067**	3248
chr19	4003385	4007005	Doc2g	**0.90321**	4447
chr7	127932638	127946725	Prss36	**0.6916**	7461
chr13	58806569	59133970	Ntrk2	**1.17197**	57979
chr13	4233740	4248359	Akr1c19	**1.13976**	4989
chr3	146457203	146499753	Spata1	**1.0016**	6181
chr12	111572317	111574402	2810029C07Rik	**0.66942**	4610
chr17	26199183	26201350	Arhgdig	**0.49242**	1791
chr19	5068078	5070639	Cd248	**2.76873**	25000
chr16	17233587	17263430	Hic2	**0.64456**	14400
chr1	136467848	136530819	Kif14	**0.8668**	25472
chr15	75754447	75841908	Zc3h3	**0.41711**	4907
chr19	11518559	11530403	Ms4a6b	**1.32485**	7877
chr19	10018228	10035586	Rab3il1	**1.81911**	14874
chr10	62947029	62974188	Dna2	**0.67624**	9824
chrX	94234930	94273515	Klhl15	**0.53746**	9776
chr17	22144359	22165977	Zfp947	**0.79722**	7471
chr14	46084027	46084957	Gm1821	**0.8044**	1993
chr1	106980984	107001195	Serpinb13	**0.28551**	1617
chr10	20347819	20361669	Mtfr2	**0.98983**	8048
chr4	140810993	140817511	Gm13032	**0.61813**	1745
chr7	82867333	82871576	Mex3b	**0.58966**	7099
chr6	92772699	92901441	Adamts9	**1.095**	23294
chrX	9199973	9268085	Lancl3	**0.61525**	8500

chr4	5644179	5799944	Fam110b	**0.72393**	5090
chr3	88364589	88368541	Paqr6	**0.63425**	3733
chr13	21478849	21485505	Zkscan4	**0.47355**	4099
chr14	34345055	34345658	Gm3219	**0.79767**	1698
chr11	71031941	71033617	6330403K07Rik	**0.54564**	3073
chr15	89182213	89196474	Dennd6b	**0.7631**	12401
chr2	177935993	177957288	Gm14326	**0.74143**	8644
chr9	44273190	44288244	Abcg4	**0.35174**	4495
chr15	75993769	75999153	Mapk15	**0.66745**	4540
chrX	7372591	7375830	Usp27x	**0.67125**	7665
chr1	53061663	53068079	Mstn	**2.85199**	26958
chr3	145758692	145894277	Ddah1	**0.45306**	5983
chr11	11930499	12037420	Grb10	**1.32826**	24146
chr7	3712505	3720382	Pirb	**1.43617**	13808
chr18	74195299	74207818	Ska1	**0.97284**	9151
chr10	81252935	81262981	Matk	**0.77879**	6387
chr13	62516797	62558599	Zfp934	**0.81306**	6989
chr14	66802864	66868600	Dpysl2	**0.8493**	13266
chr12	51593341	51605773	Coch	**3.88383**	34001
chr4	141213956	141220114	Rsg1	**0.48155**	1614
chr8	111127444	111145498	9430091E24Rik	**0.80887**	7087
chr8	84030296	84042575	Il27ra	**0.45004**	4200
chr8	40862367	40922070	Slc7a2	**0.93525**	25898
chr1	9667411	9700209	Mybl1	**0.59765**	10498
chr16	11254368	11254445	Mir1945	**0.34558**	95
chr6	48571783	48572670	Rarres2	**6.06539**	8230
chr18	84610509	84650095	Cndp1	**0.13039**	1300
chr8	104170513	104219097	Bean1	**0.78185**	9344
chr10	85928491	85929647	Ascl4	**0.85833**	3500
chrX	73655992	73660070	Pnck	**0.62487**	3691
chr4	40920056	40931395	Spink4	**1.26058**	1746
chr4	11558920	11615808	Rad54b	**0.57252**	5902
chr7	114718643	114723365	Calcb	**0.28875**	979
chr7	42660108	42692718	Gm5595	**0.60555**	6712
chr5	71569734	71658308	Gabra4	**2.00531**	29139
chr11	69935899	69941599	Ybx2	**0.44629**	2460
chr4	43631935	43651240	Npr2	**1.74078**	22430
chr9	49436961	49486225	Ttc12	**0.9254**	11839
chr6	116633008	116673836	Rassf4	**0.91585**	20477
chr11	58867240	58884338	2810021J22Rik	**0.95574**	16478
chr9	50533087	50555138	Bco2	**0.94379**	6902
chr13	23581602	23581969	Hist1h4d	**0.17965**	233
chr10	94790866	94944578	Plxnc1	**0.58033**	14409
chr5	107331194	107387058	Brdt	**0.72875**	12097
chr11	97989580	97996173	Arl5c	**0.73471**	4042
chr12	76580488	76710547	Sptb	**1.49369**	54717
chr8	84415364	84640249	Cacna1a	**0.65709**	18281

chr5	8798147	8866314	Abcb1b	**0.78584**	12031
chr17	55952623	55957022	Ebi3	**0.63015**	2001
chr6	4674350	4747204	Sgce	**1.25753**	8310
chr18	49696145	49755601	Dtwd2	**0.75577**	8377
chr7	44525995	44532071	Spib	**0.22834**	2242
chr7	80862108	80876513	Zscan2	**0.69507**	5600
chr1	178405881	178483249	Efcab2	**0.98795**	8837
chr11	102348820	102365281	Slc4a1	**0.69095**	11080
chr2	152754173	152765037	Cox4i2	**0.5464**	1400
chr6	124864693	124888209	Cd4	**0.8668**	9455
chr4	141420779	141425310	Hspb7	**3.66975**	35800
chr12	79297282	79814690	Rad51b	**0.79801**	7979
chr9	123767211	123783457	Ccr9	**0.16144**	2499
chr14	22019712	23056088	1700112E06Rik	**0.7475**	2400
chr1	133679029	133690108	Lax1	**0.46672**	3900
chr8	94902869	94918098	Ccdc102a	**0.84888**	6893
chr18	37714834	37717374	Pcdhga7	**0.32595**	2919
chr4	141546162	141548313	B330016D10Rik	**0.97555**	7399
chrX	13467672	13489313	Nyx	**0.44148**	5634
chr5	137288254	137294466	Ache	**0.85725**	6683
chr18	38993145	39376285	Arhgap26	**0.55369**	15414
chr13	60934155	60936625	Ctla2a	**2.18463**	10733
chr3	14766214	14808365	Car1	**7.3379**	32275
chr5	20950989	20956398	A630072M18Rik	**0.71937**	12281
chr7	125603429	125633570	Il21r	**0.34828**	3200
chr12	118231686	118301440	Sp4	**0.65174**	20698
chrX	98149750	98317147	Ar	**1.8435**	19485
chr14	45351186	45376420	Styx	**0.60869**	8139
chr19	10789339	10830058	Cd6	**0.31582**	3377
chr12	104263122	104269365	Serpina3i	**0.42373**	3275
chr11	53785489	53859256	Gm12216	**0.62536**	2539
chr2	153222370	153225441	Tspyl3	**0.65578**	7100
chr3	7572077	7613427	Il7	**0.91358**	7969
chr11	90476493	90638108	Stxbp4	**0.8089**	17128
chr18	37747188	37749605	Pcdhga10	**0.63073**	5375
chr7	141438515	141443355	Pidd1	**0.9065**	9265
chr6	82877866	82881853	2310069B03Rik	**1.77062**	11426
chr4	46039222	46114745	Tmod1	**3.18043**	17755
chr4	11704447	11714993	Gem	**1.77145**	14091
chr14	121952331	121965193	Gpr183	**0.61705**	6398
chr19	59260878	59296012	Slc18a2	**0.75012**	10054
chr1	173896341	173913046	Mnda	**0.74543**	4700
chr13	67194506	67209298	Zfp455	**0.50104**	4789
chr12	76417599	76439491	Ppp1r36	**0.79029**	4047
chr8	85053160	85060460	A230103J11Rik	**0.7002**	3519
chr7	127442136	127449158	Zfp689	**0.96069**	12260
chr6	118427319	118455506	Zfp248	**0.606**	7819

chr4	48279760	48431953	Invs	**0.72916**	14833
chr6	112473684	112489808	Oxtr	**1.8376**	29584
chr4	34711332	34730206	1700003M02Rik	**0.19842**	1200
chr5	134702596	134747254	Eln	**2.68288**	35751
chrX	140007673	140062568	Nup62cl	**0.55641**	2212
chr7	122107262	122132946	Palb2	**0.69652**	9694
chr6	107529726	107570228	Lrrn1	**0.81586**	10800
chr8	105413622	105464086	Lrrc36	**0.43458**	3826
chrX	10158216	10216795	Rpgr	**0.80402**	19130
chr11	11685925	11772926	Ikzf1	**0.59052**	11788
chr3	40846999	40875609	Gm2011	**0.3595**	1006
chr6	55170627	55174990	Inmt	**2.91755**	10519
chr19	43440436	43497213	Cnnm1	**0.67692**	12024
chr2	25291194	25319187	Grin1	**0.45038**	4273
chr1	170644532	170682789	Olfml2b	**2.80586**	30606
chr3	159495433	159529955	Depdc1a	**0.79375**	9296
chr3	95236920	95241109	Gm128	**0.5032**	2607
chr3	82892582	82903974	Lrat	**0.79022**	14897
chr14	30879257	30881610	Mustn1	**4.4982**	18691
chr6	40574898	40585805	Clec5a	**0.98804**	13302
chr8	25808513	25815982	Star	**1.02456**	14469
chr10	79716634	79736108	Hcn2	**0.51499**	5799
chr11	106374826	106377114	2310007L24Rik	**0.69874**	1943
chr7	44986900	44994601	Gm15545	**0.82661**	2654
chr17	69416447	69419192	C030034I22Rik	**0.73353**	7099
chr17	12888902	12910000	Pnldc1	**0.84819**	5049
chr2	19655806	19657897	Gm3230	**0.53167**	3920
chr1	86154780	86278284	Armc9	**0.55074**	10202
chr4	141404357	141415988	Clcnkb	**1.11883**	9227
chr12	105705982	105782447	Ak7	**0.49207**	5364
chr1	135434580	135585355	Nav1	**0.69156**	31117
chr7	122289125	122634401	Prkcb	**0.70532**	21947
chr8	39581700	39642678	Msr1	**0.97201**	13696
chr15	83353847	83367297	1700001L05Rik	**0.9431**	19953
chr16	55899888	55934848	Cep97	**0.65126**	18874
chr14	31014293	31014351	Snord69	**0.82717**	172
chr5	148871584	148928647	Katnal1	**0.64057**	13900
chrX	134756568	134761456	Armcx3	**0.80688**	9626
chr19	8802496	8804854	Zbtb3	**0.82409**	6015
chr14	78569609	78725089	Dgkh	**0.40938**	6683
chr6	48764464	48770851	Gimap3	**0.59222**	4477
chr11	102268823	102278061	Asb16	**1.17579**	5644
chr8	70629394	70631635	Gdf15	**0.54968**	2100
chr1	171121661	171126967	1700009P17Rik	**0.49394**	1800
chr2	25085720	25095205	Noxa1	**0.36781**	2100
chr19	56320090	56390038	Nrap	**6.50436**	125003
chr7	45725107	45725816	Spaca4	**0.6538**	1636

chr3	108212266	108226599	Sypl2	**2.53871**	29052
chr11	100262882	100269871	Krt42	**0.75181**	4099
chr7	100503020	100514815	Dnajb13	**0.55383**	2231
chr10	41538849	41587753	Ccdc162	**0.34969**	3388
chr1	162829561	162866548	Fmo1	**2.74347**	22490
chr9	50662753	50727984	Dixdc1	**0.59478**	11984
chr13	49608071	49624500	Ogn	**1.78856**	16011
chr18	89197427	89270327	Cd226	**0.40673**	3565
chr17	47695207	47704286	Frs3	**0.67505**	4694
chr2	105657862	105661343	Paupar	**0.51011**	6260
chr7	30589681	30592942	Zbtb32	**0.62583**	3915
chr1	136052901	136119822	Cacna1s	**3.36834**	74136
chr19	45027105	45045772	Pdzd7	**0.66811**	8724
chr7	12977848	12985716	Zfp446	**0.88309**	15294
chr1	86045863	86055456	2810459M11Rik	**0.67975**	7980
chr8	122625136	122699109	Cbfa2t3	**0.54952**	15424
chr6	38123174	38254009	D630045J12Rik	**0.7362**	27791
chr1	175662421	175692632	Opn3	**0.8015**	4997
chr15	85017141	85022560	Upk3a	**0.46178**	1800
chr19	12585868	12596566	A330040F15Rik	**1.23655**	4820
chr3	96433788	96452306	BC107364	**0.57311**	2341
chr4	100095791	100442545	Ror1	**0.67434**	8418
chr17	34629686	34632260	Prrt1	**1.13866**	3696
chr11	115116214	115133992	Cd300lf	**0.95869**	6369
chrX	99042581	99074728	Stard8	**0.93652**	16381
chr3	63295435	63383713	Mme	**1.06623**	24001
chr7	45324958	45325651	Rpl14-ps1	**0.64025**	1566
chr7	24227795	24237598	Zfp109	**0.5933**	5744
chr3	95217457	95226658	Gm16740	**0.74951**	1297
chr16	17797282	17808287	Scarf2	**1.56993**	18270
chr1	176834624	176836133	Hmga2-ps1	**0.71386**	3799
chr5	135023572	135051099	Stx1a	**0.50144**	3660
chr17	40598594	40602617	Esp4	**0.45131**	878
chr18	4634929	4682869	9430020K01Rik	**1.15077**	27299
chr11	24481909	24569951	4933430M04Rik	**0.33262**	871
chr5	81021593	81795730	Lphn3	**1.16518**	23867
chr1	171419033	171420352	Tstd1	**0.30846**	599
chr8	20385782	20424814	2610005L07Rik	**0.60202**	8506
chr17	34613450	34615971	Egfl8	**0.85526**	3177
chr3	107926334	107931745	Gstm7	**0.65227**	3000
chr15	39076932	39087119	Cthrc1	**1.14178**	4684
chr4	62452632	62470895	Wdr31	**0.28785**	2594
chr19	42045851	42070939	Hoga1	**1.12524**	6484
chr3	129677575	129740041	Egf	**1.06434**	15946
chr1	162639150	162649694	Myoc	**8.08579**	56624
chr10	53278081	53379851	Cep85l	**0.66596**	6316
chr11	100545632	100572566	Ttc25	**0.82856**	8229

chr13	23570663	23571220	Hist1h2ae	**0.509**	1001
chr12	40446053	40846488	Dock4	**0.53068**	15084
chr11	77089915	77188968	Efcab5	**0.40342**	6617
chr18	36528152	36556272	Slc4a9	**0.42454**	5141
chr18	38586265	38601268	Spry4	**1.06962**	17303
chr5	98254184	98277033	Fgf5	**0.69179**	6105
chr6	85587531	85702751	Alms1	**0.64921**	22844
chr9	21526177	21545331	AB124611	**1.43281**	6600
chr4	116807734	116819431	Mutyh	**1.15359**	7058
chr7	100643896	100662394	Plekhb1	**1.51251**	11866
chr8	69654556	69664453	Zfp964	**0.67934**	4166
chr8	70808449	70821423	Il12rb1	**0.44813**	4536
chr12	50341232	50649223	Prkd1	**0.75934**	10108
chr13	83504034	83667079	Mef2c	**4.03874**	93446
chr17	6308315	6317474	Dynlt1a	**0.55002**	5765
chr11	49794155	49838620	Gfpt2	**1.56076**	16425
chr8	104628066	104631321	Rrad	**1.00165**	5560
chr16	10835059	10843235	Rmi2	**0.54638**	7200
chr4	120588745	120609672	Gm8439	**0.4124**	609
chr7	79792241	79793590	Mesp1	**0.26345**	1000
chr5	136218149	136244903	Sh2b2	**0.91608**	9195
chr1	75220095	75232093	A630095N17Rik	**0.30668**	829
chr5	123930689	123969895	Ccdc62	**0.48453**	6694
chr11	116336345	116413032	Rnf157	**0.62819**	10306
chr11	5900821	5950081	Gck	**0.28589**	2920
chr11	46054502	46147347	Adam19	**0.77143**	17501
chr17	67842708	68004108	Arhgap28	**0.96904**	18152
chr10	127667123	127668851	1700012D01Rik	**0.56585**	1386
chr6	142587862	142702274	Abcc9	**1.13477**	29515
chr15	77729072	77736382	Apol9b	**0.30242**	1700
chrX	136822746	136838582	Plp1	**0.63447**	7766
chr10	41490439	41514288	Ppil6	**0.55793**	2104
chr8	117095865	117133720	Bco1	**0.5138**	4585
chr15	76704243	76710559	Recql4	**0.57794**	7129
chr10	119454034	120087260	Grip1	**0.55568**	9230
chr11	29744415	30026033	Eml6	**0.7047**	16680
chr19	58235581	58455398	Gfra1	**1.04072**	17052
chr3	95004168	95004239	Mir7013	**0.85516**	217
chr9	98562460	98563611	4930579K19Rik	**0.66501**	2700
chr15	80287238	80398292	Cacna1i	**0.35941**	12406
chr5	124250959	124327972	Mphosph9	**0.71181**	19550
chr6	116650684	116652847	8430408G22Rik	**0.54356**	2523
chr17	71252176	71310965	Emilin2	**1.37313**	18922
chr4	98754892	98817537	Kank4	**0.8303**	14049
chr9	71215789	71296243	Aldh1a2	**0.93632**	7471
chr8	84208518	84208592	Mir23a	**1.32412**	350
chr11	94755136	94761182	Gm11545	**0.33284**	3159

chr11	86058136	86201193	Brip1	**0.58733**	14351
chrX	150589921	150643878	Pfkfb1	**0.91502**	5608
chr2	14070333	14073934	Stamos	**0.60295**	1700
chr8	105566695	105579845	Agrp	**0.47213**	1436
chr5	86071828	86103993	Stap1	**0.38465**	1540
chr13	56173703	56178885	Tifab	**0.73951**	8950
chr16	18776847	18778262	Cldn5	**2.62499**	13100
chr18	37707229	37709652	Pcdhga6	**0.90085**	7696
chr5	75152291	75198204	Pdgfra	**2.03935**	48206
chr5	34574151	34574213	Mir7036b	**0.27924**	62
chr10	127501717	127508815	Stac3	**2.48645**	15686
chr4	126340678	126429542	Ago3	**0.59899**	16118
chr4	62559847	62703019	Rgs3	**0.67523**	17377
chr17	73493751	73710451	Galnt14	**0.87169**	7579
chr16	36603869	36666077	Cd86	**0.51194**	4581
chr6	88547722	88627448	Kbtbd12	**0.59041**	4249
chr11	68432125	68497846	Pik3r5	**0.85629**	13167
chr9	32422204	32541452	Fli1	**0.99492**	11133
chr9	62419492	62537044	Coro2b	**0.43976**	5595
chr6	34780432	34859459	Agbl3	**0.53218**	10494
chr6	8507059	8509161	A430035B10Rik	**0.71404**	4872
chr11	70018605	70045531	Dlg4	**0.68657**	8048
chr17	21816876	21845759	Zfp820	**0.76237**	9928
chr9	51839493	51875885	Arhgap20os	**0.7497**	3493
chr3	94693573	94704406	Selenbp2	**0.59108**	3531
chr11	116672505	116672582	Snord1c	**0.28374**	78
chr17	8236043	8257129	Ccr6	**0.25919**	1900
chr15	77403789	77411080	Apol9a	**0.39684**	2200
chr19	34067358	34084918	Lipn	**0.13715**	726
chr6	48739047	48743795	Gimap1	**0.70756**	3753
chr9	72925650	72946015	Pygo1	**0.71171**	4377
chr1	75198235	75210778	Glb1l	**0.96541**	9401
chr17	37193892	37196101	Ubd	**0.3331**	1100
chr1	176733653	176807124	Cep170	**0.95071**	23220
chr2	102550021	102643040	Pamr1	**2.58617**	26013
chr4	112081470	112168076	Skint4	**0.18315**	2580
chr3	28781311	28798846	Eif5a2	**0.73885**	12999
chr10	12916646	12923127	B230208H11Rik	**0.91219**	3800
chr3	90064425	90068347	1700094D03Rik	**0.43307**	4530
chr3	129269177	129332749	Enpep	**0.57975**	8598
chr10	81497745	81500137	S1pr4	**0.37385**	3153
chr2	176798600	176808704	Gm14295	**0.4545**	2100
chr9	54950257	54950954	AY074887	**0.61571**	1417
chr7	30036359	30051396	Zfp14	**0.47946**	5899
chr17	34972703	34979228	Hspa1l	**1.05177**	8952
chr7	43437138	43438246	Nkg7	**0.4537**	1300
chr2	32646595	32682608	Eng	**3.02513**	37433

chr3	36475937	36482299	1810062G17Rik	**0.96552**	3100
chr8	123840844	123860209	Ccsap	**0.72065**	6789
chr8	116505015	116515915	Dynlrb2	**0.72064**	1308
chr14	34194441	34201633	Gprin2	**0.56323**	3178
chr10	127048246	127053006	Cyp27b1	**0.73519**	6273
chr2	44983512	45113098	Zeb2	**1.13394**	35560
chr6	3962595	3968354	Tfpi2	**1.236**	6569
chr14	55757842	55758424	Cideb	**0.87709**	983
chr4	106483458	106492243	Bsnd	**0.81358**	7782
chr2	165503897	165519917	Slc2a10	**0.88559**	10718
chr19	42725858	42752775	Pyroxd2	**0.68911**	7575
chr2	166793767	166799492	Trp53rk	**0.51643**	8032
chr5	108132914	108232949	Ccdc18	**0.65686**	10781
chr5	138165321	138165404	Mir25	**1.01336**	300
chr1	150100124	150108012	Ptgs2	**0.52107**	7612
chr9	50617465	50625000	Pih1d2	**0.53465**	2101
chr4	9770585	9823411	4930412C18Rik	**0.45667**	6388
chr4	43482083	43483709	Sit1	**0.40092**	1697
chr6	13835074	13839848	Gpr85	**0.27797**	2891
chr15	56689944	56693993	Has2os	**0.37083**	396
chr1	184033032	184033998	1700056E22Rik	**0.64553**	2200
chr15	13034200	13173639	Cdh6	**0.65135**	6042
chr3	116110020	116129688	Vcam1	**0.96854**	11599
chr1	173920403	173942492	Ifi203	**1.00379**	13408
chr2	144265982	144266202	Snord17	**0.12839**	100
chr10	23785754	23785821	Snord100	**1.11827**	268
chr10	39134023	39150970	Tube1	**1.0224**	10237
chr7	6383318	6396637	Zfp28	**0.44484**	6500
chr2	91035627	91045729	Rapsn	**0.98083**	5600
chr2	128298663	128429351	Gm14005	**0.62701**	9922
chr6	129591811	129598775	Klrd1	**0.27325**	834
chr14	50956141	50964749	Pnp2	**0.55681**	2400
chr12	11090202	11150842	Kcns3	**0.59364**	6400
chr14	54369670	54417679	Slc7a7	**1.27815**	10158
chr3	107467548	107518018	Slc6a17	**0.5929**	13200
chr4	155761192	155763560	Atad3aos	**0.78854**	1887
chr9	106892825	107231909	Dock3	**0.76068**	24297
chr10	7832470	7870397	Zc3h12d	**0.52686**	7600
chr11	94501347	94521502	Mycbpap	**0.31514**	3252
chr6	60731573	60829855	Snca	**0.61724**	3200
chr9	67830532	67832330	C2cd4a	**0.77441**	3690
chr4	155469114	155470858	Tmem52	**1.81529**	6193
chr19	27761721	28011166	Rfx3	**0.52392**	17248
chr8	93056727	93080017	Ces1b	**0.19624**	1359
chr11	94962777	94976327	Sgca	**2.45619**	15045
chr4	140906360	140952586	Padi2	**1.13311**	18406
chr15	100674422	100687920	Cela1	**2.17807**	8490

chr14	31139125	31168641	Stab1	**1.22195**	33966
chr4	73939371	73950846	2310002L09Rik	**1.26223**	9600
chr11	79481723	79484031	AU040972	**0.19053**	697
chr2	126593660	126618678	Hdc	**1.03182**	8724
chr17	13487021	13554094	2700054A10Rik	**0.26318**	4033
chr11	78503513	78505081	Sebox	**0.19873**	900
chr11	58379032	58390541	Lypd8	**2.89117**	11290
chr7	30240138	30280421	Wdr62	**0.65008**	10869
chr1	80501068	80758553	Dock10	**0.47107**	12538
chr13	32881397	32898140	Serpinb1c	**0.86666**	4884
chr7	142650768	142661035	Igf2	**2.00016**	29170
chr6	61175604	61180810	A730020E08Rik	**0.40827**	2390
chr1	171632403	171653037	Slamf7	**0.46959**	6582
chr10	58497937	58576244	Ccdc138	**0.68012**	5911
chr5	15934691	16374511	Cacna2d1	**1.70603**	45053
chr2	181384250	181387596	Slc2a4rg-ps	**0.32907**	3463
chr13	38006052	38036937	Cage1	**0.64124**	6459
chr17	7170115	7303316	Rps6ka2	**1.0013**	19081
chr4	48663514	48673492	Murc	**1.98951**	14332
chr14	70372480	70429094	Piwil2	**2.25767**	39092
chr11	9016054	9039591	Sun3	**0.33721**	1400
chr3	127553489	127618023	Zgrf1	**0.4486**	11143
chr5	123876736	123880020	Hcar1	**0.47022**	5444
chr15	74732252	74734313	Lypd2	**0.40369**	700
chr16	92058322	92087473	Slc5a3	**0.75227**	28549
chr6	48701583	48708244	Gimap6	**1.17843**	6695
chr10	81606308	81609836	BC025920	**0.4789**	3190
chr2	177464742	177479194	Gm14420	**0.53962**	8870
chr4	107802259	107876840	Lrp8	**0.48762**	10258
chr2	150218099	150244874	Zfp937	**0.59782**	14580
chr11	120361534	120368173	Fscn2	**0.24774**	1500
chrX	105040854	105070124	5530601H04Rik	**0.95834**	12605
chr5	87925633	87932264	Csn3	**0.42321**	2382
chr5	143357338	143391798	Grid2ip	**0.17086**	2543
chr2	92974906	93046144	Prdm11	**0.34686**	2286
chr11	114982446	114989886	Cd300ld	**1.34651**	11565
chr13	59769966	59773680	Etohd2	**0.44879**	3407
chr9	77366412	77399416	5730403I07Rik	**0.16765**	1200
chr7	30603092	30612734	Upk1a	**0.43364**	1999
chr5	129654595	129670088	Zfp11	**0.6871**	9483
chr6	28828126	28831747	Lrrc4	**0.98502**	12574
chr1	135108498	135132575	Ptprv	**0.56356**	12076
chr13	33832345	33843408	Serpinb6e	**0.2279**	1200
chr13	67096613	67114028	Rslcan18	**0.49576**	4887
chr6	59352461	59426290	Gprin3	**0.82806**	9047
chr10	4612046	5003761	Esr1	**1.51212**	23017
chr2	27886425	28039510	Col5a1	**1.8849**	55815

chr11	113203315	113209669	4732490B19Rik	**0.44127**	3804
chr6	60944317	60989378	Mmrn1	**2.29507**	37499
chr5	137821952	137836278	Pilra	**1.0762**	8041
chrX	153238045	153396134	Klf8	**0.78297**	12299
chr7	30729779	30743681	Gapdhs	**0.57596**	3260
chr15	58314573	58324169	Klhl38	**1.00566**	7840
chr15	10177238	10349180	Prlr	**1.01144**	47820
chr7	43527456	43533171	Cd33	**0.85089**	7710
chr2	67446002	67526604	Xirp2	**3.35801**	141651
chr1	136411916	136415519	9230116N13Rik	**0.4386**	3005
chr11	5106266	5152222	Emid1	**0.91254**	6146
chr15	102523839	102524621	Npff	**0.18449**	290
chr8	90247112	90348252	Tox3	**0.81896**	9216
chr13	49230831	49248706	Susd3	**0.39573**	2000
chr10	116950562	116963279	4933412E12Rik	**0.38611**	2346
chr3	100922493	100936925	Trim45	**0.67499**	13800
chr5	37242058	37292163	Crmp1	**0.31925**	3866
chr15	99670718	99701128	Asic1	**0.81596**	14485
chr13	114835912	114932041	Itga2	**0.64834**	9638
chr11	76217613	76218665	Dbil5	**0.25216**	511
chr1	60909025	60915832	Ctla4	**0.70017**	4770
chr15	98567324	98570864	9330020H09Rik	**0.63232**	7528
chr10	76253836	76261319	S100b	**0.54664**	3200
chrY	90785442	90816465	Erdr1	**4.0096**	10980
chr15	5118421	5118480	Snord72	**0.69043**	146
chr6	99692679	99693818	Gpr27	**0.27378**	1100
chr6	124760055	124769509	Eno2	**0.74952**	6950
chr19	39061006	39093948	Cyp2c65	**2.50132**	17111
chr16	10480072	10527564	Ciita	**0.49307**	9893
chr17	13108617	13131791	Unc93a	**0.15813**	1473
chr19	47178820	47259441	Neurl1a	**0.95823**	14900
chr2	52136647	52338798	Neb	**2.96507**	234414
chr18	20684599	20746404	B4galt6	**0.57627**	11796
chr1	161017756	161034259	Zbtb37	**0.29485**	4035
chr11	83293430	83294644	AI450353	**0.59654**	2094
chr1	71027535	71102972	Bard1	**0.64055**	12299
chr5	107437997	107491596	Btbd8	**0.37532**	1500
chr7	29859979	29877302	Zfp420	**0.58373**	6859
chr10	60181528	60219260	Chst3	**0.52458**	11300
chr3	151730923	151749959	Ifi44	**0.47664**	4885
chr4	16164110	16266225	A530072M11Rik	**0.35238**	2300
chr8	21839926	21843481	Defb2	**0.92775**	994
chr4	115518287	115533649	Cyp4a10	**0.32645**	2400
chr13	67779693	67789080	Zfp493	**0.32085**	3700
chr1	12692430	12860372	Sulf1	**1.12434**	19274
chr6	122847140	122856157	C3ar1	**1.10222**	16700
chr4	141615136	141615604	AI507597	**0.51787**	856

chr8	71406012	71409904	Ankle1	**0.50472**	3796
chr13	46501903	46650281	Cap2	**2.17629**	28057
chr6	83152710	83156379	Wdr54	**0.606**	2706
chr9	66065176	66069731	Snx22	**0.23438**	1681
chr2	122280437	122298165	Duox2	**0.96592**	15503
chr14	116925297	117979529	Gpc6	**0.83921**	20053
chr17	34728381	34743897	C4b	**6.12899**	116493
chrX	107089335	107104970	P2ry10	**0.74252**	7398
chr3	51276761	51278407	4930577N17Rik	**0.38985**	1837
chr16	3847223	3858880	Zfp174	**0.61628**	12906
chr11	107703218	107716476	Cacng1	**3.54969**	15050
chr11	87377607	87404954	Rad51c	**0.35643**	4163
chr7	118872821	118972039	Iqck	**0.54943**	2374
chr13	48536012	48536114	Mirlet7d	**0.46831**	170
chr16	23110770	23110933	Snora81	**1.26299**	730
chr6	85910154	85915677	Cml1	**0.56944**	2029
chr13	55369732	55384687	Rgs14	**0.55158**	4580
chr14	70774381	70778494	Dok2	**0.92343**	5588
chr18	4353547	4368945	4833419F23Rik	**0.57843**	1796
chr15	57243771	57477625	Slc22a22	**0.6087**	5080
chr7	4922251	4925006	Nat14	**0.44004**	2500
chrX	160784308	160994681	Cdkl5	**0.57648**	6595
chr1	172581377	172590568	Slamf8	**0.82062**	5900
chr13	105147494	105293014	Rnf180	**0.48307**	6444
chr6	115810729	115838412	Efcab12	**0.84087**	7560
chr19	34550694	34576534	Ifit2	**0.61066**	8499
chr4	11966574	11994295	1700123M08Rik	**0.29811**	1120
chr7	46097123	46100764	Kcnj11	**1.22454**	11510
chr10	57784923	57788450	Fabp7	**0.26065**	700
chr13	23698084	23698458	Hist1h4c	**0.55008**	727
chr19	25672411	25678991	Dmrt2	**0.53361**	4395
chr11	78920859	78960124	Nos2	**3.96169**	55710
chr9	110243783	110262576	Cspg5	**0.43246**	5900
chr5	105270702	105293699	Gbp6	**0.57175**	8697
chr7	104470014	104507849	Trim30d	**0.34648**	4589
chr11	75599646	75600231	Gm12338	**0.22418**	463
chr6	113424634	113435760	Cidec	**2.38622**	14465
chr11	104231436	104332089	Mapt	**0.64131**	12160
chr2	173579320	173659539	Ppp4r1l-ps	**0.51881**	8166
chr9	100552188	100571085	Slc35g2	**0.40637**	2270
chr9	89909775	90026979	Rasgrf1	**0.13752**	2292
chrX	112600526	112635062	Zfp711	**0.64998**	9919
chr4	42754525	42756518	Ccl19	**2.48272**	6300
chr19	54045182	54048982	Adra2a	**0.8286**	11100
chr13	21750145	21750553	Hist1h4k	**0.49464**	713
chr12	101746565	101819119	Fbln5	**1.51158**	31394
chr6	48628167	48633688	AI854703	**0.53151**	6693

chr8	35582503	35584612	Gm16793	**0.44058**	2399
chr14	57798189	57798217	Sap18	**1.31107**	134
chr16	55839953	55895279	Nxpe3	**0.41921**	9500
chr11	104132882	104175518	Crhr1	**0.62953**	5387
chr6	88198664	88207032	Gata2	**1.82843**	20898
chr11	85235166	85238304	D630032N06Rik	**0.43625**	984
chr17	12741311	12859884	Airn	**0.36336**	2802
chr1	21398403	21961942	Kcnq5	**0.38211**	9400
chrX	20961676	20987349	A230072C01Rik	**0.52752**	3947
chr13	21467047	21468501	Nkapl	**0.33971**	1742
chr4	145829940	145831978	Znf41-ps	**0.27831**	2000
chr15	66670770	66850720	Tg	**0.32161**	9562
chr11	120186650	120189856	2810410L24Rik	**0.67403**	4055
chr10	80852825	80855209	Lsm7	**0.73603**	1214
chr13	32700827	32781779	Mylk4	**2.61849**	52058
chr5	52363804	52369738	Sod3	**2.8718**	20698
chrX	13632769	13640858	Gpr34	**1.09968**	7356
chr4	95959711	95967655	9530080O11Rik	**0.29051**	1588
chr11	76998597	77032343	Slc6a4	**0.21691**	2100
chr15	82221744	82224336	Tnfrsf13c	**0.6833**	4590
chr6	122727809	122742745	Slc2a3	**0.39418**	5500
chr7	45183676	45204892	Ccdc155	**0.52768**	4110
chr7	73313806	73375519	A730056A06Rik	**0.5471**	4778
chr2	10153543	10256529	Itih5	**1.94989**	54482
chrX	81070644	81097875	Tmem47	**1.73073**	24899
chr11	80477046	80481179	Cdk5r1	**0.50783**	7399
chr11	70166623	70170836	Clec10a	**1.61113**	8523
chr6	48684578	48692062	Gimap4	**1.38186**	4914
chr8	57774052	58911627	Galntl6	**0.83795**	15029
chr9	36890979	37147322	Pknox2	**0.73532**	9200
chr4	43875530	43944806	Reck	**1.06564**	16649
chr16	17139064	17144423	Ccdc116	**0.35715**	4875
chr4	48051248	48083352	Nr4a3	**0.48736**	3236
chr16	88758847	88759789	2310034C09Rik	**0.60178**	2000
chr13	75089987	75132498	Pcsk1	**2.95513**	26204
chr2	34874436	34892133	Cutal	**0.46954**	3826
chr7	28351540	28351633	AF357399	**0.21431**	71
chrX	95022507	95026682	Spin4	**0.63176**	9298
chr6	47943175	47954549	Zfp783	**0.24463**	3640
chr4	152390740	152477549	Kcnab2	**0.70365**	9379
chr2	85753363	85754306	Olfr1010	**0.56748**	1872
chr15	73512560	73572242	Dennd3	**0.66392**	12399
chr11	62603460	62603521	Snord49a	**0.29289**	64
chr11	103697724	103725573	C130046K22Rik	**0.36531**	4465
chr5	150522621	150570146	Brca2	**0.5883**	23083
chrX	12134454	12137470	2900008C10Rik	**0.60845**	2792
chr8	72204335	72212837	Cib3	**0.5319**	1211

chr4	111919555	111950356	Skint8	**0.30838**	1389
chr2	178066878	178078425	Zfp931	**0.38629**	2422
chr18	25477620	25753983	Celf4	**0.43421**	8478
chr9	109830154	109831431	3000002C10Rik	**0.34635**	1560
chr4	41390748	41464848	Kif24	**0.48309**	9531
chr4	132724904	132732546	Xkr8	**0.48205**	7200
chr18	52767811	52915931	Sncaip	**0.83**	11654
chrX	160390690	160498076	Gpr64	**0.44337**	7366
chr10	86048746	86498896	Syn3	**0.37204**	15522
chr7	81534354	81566981	Fsd2	**1.72351**	18077
chr2	32587078	32599696	St6galnac4	**0.69621**	9800
chr6	72206177	72235577	Atoh8	**0.71085**	5900
chr7	16246743	16259540	C5ar1	**1.54404**	13501
chr3	154576520	154594534	Tyw3	**0.56775**	8320
chr14	67745229	67749436	Gnrh1	**0.28646**	527
chr8	94923694	94943290	Gpr114	**0.42219**	4196
chr2	60411525	60412574	Gm13580	**0.81329**	1608
chr10	39621411	39732007	E130307A14Rik	**0.65905**	3865
chr7	43651070	43660161	Siglece	**0.52252**	3405
chr1	134037515	134048277	Fmod	**6.64897**	66996
chr9	44793779	44799216	Tmem25	**0.55856**	4634
chr14	29996168	30008896	Il17rb	**0.61208**	4446
chr16	30008667	30021430	4632428C04Rik	**0.91456**	7826
chr8	26814597	26824423	2310008N11Rik	**0.81147**	1613
chr1	193178164	193201546	Traf3ip3	**0.32984**	2168
chr2	167298445	167349178	B4galt5	**0.73493**	10889
chr9	51213690	51240079	Pou2af1	**0.28695**	2595
chr4	121316316	121324917	Gm12888	**7.66337**	31897
chr1	131527989	131539872	Fam72a	**0.43889**	3256
chr7	100285520	100319699	P4ha3	**0.5837**	4857
chr13	16014475	16027211	Inhba	**0.45985**	2478
chr9	7692111	7699416	Mmp7	**0.25175**	779
chr9	48362041	48400025	Nxpe4	**0.80356**	8986
chr10	79860475	79874634	Lppr3	**0.71582**	10336
chr15	62037987	62250975	Pvt1	**0.57394**	6218
chr10	111298679	111301736	Bbs10	**0.59778**	5800
chr4	148495280	148500462	Angptl7	**1.33366**	9692
chr7	45405960	45411382	Kcna7	**1.68571**	20758
chr1	85717083	85736606	A630001G21Rik	**0.45697**	3118
chr3	57425410	57441675	Tm4sf4	**0.50213**	2474
chr14	54631992	54641364	Cdh24	**0.55229**	5310
chrX	73639441	73643514	Dusp9	**0.86982**	8277
chr16	46035657	46120248	Cd96	**0.36427**	2800
chr6	71707681	71810705	Reep1	**1.13526**	15200
chr7	44384126	44400030	Syt3	**0.74127**	6526
chr15	85703773	85707524	Mirlet7bhg	**0.65548**	3024
chr8	71597646	71608149	Fam129c	**0.3824**	3345

chr10	62659422	62726099	Stox1	**0.36185**	3956
chr11	62603086	62603148	Snord49b	**0.66656**	148
chr1	171225054	171226379	Apoa2	**0.76081**	1397
chr8	105312340	105326276	Lrrc29	**0.65527**	4441
chr7	111117673	111122675	1700012D14Rik	**0.53139**	1178
chr7	140809677	140822178	Zfp941	**0.35545**	4897
chr3	95898801	95904639	Car14	**0.87627**	3743
chr4	119205055	119218217	4930538K18Rik	**0.66388**	3519
chr18	60573717	60591716	Myoz3	**2.48742**	29780
chr7	4119533	4136241	Ttyh1	**0.51659**	6720
chr9	58156264	58159221	Islr	**2.39353**	19866
chr18	35713089	35721491	Ecscr	**1.73053**	6776
chr4	134561690	134704290	Man1c1	**0.91465**	15199
chr5	137293780	137293876	Mir8116	**0.3949**	135
chr13	100144063	100202122	Naip2	**1.07468**	18381
chr2	84936646	84958509	Slc43a3	**1.47662**	13536
chr1	171150713	171161123	Mpz	**1.68678**	11848
chr8	13037308	13056676	F10	**0.56179**	5332
chr2	33133419	33371494	Ralgps1	**0.47644**	10592
chr9	54365158	54501626	Dmxl2	**0.56614**	21178
chr13	21421275	21441053	Pgbd1	**0.53815**	6790
chr11	48945352	48946149	Psme2b	**0.60375**	1698
chr7	4007073	4063204	Lair1	**0.52943**	6553
chr9	54025606	54068411	Tnfaip8l3	**0.31549**	2474
chr11	101172998	101175443	Ccr10	**0.69002**	4195
chr12	91045848	91056635	5430427M07Rik	**0.20323**	732
chr11	119390472	119390561	Mir1932	**0.54226**	172
chr13	66905415	66909166	Gm10767	**0.29233**	1702
chr13	119487257	119488384	3110070M22Rik	**0.17242**	587
chrX	134086823	134111854	Nox1	**1.77833**	13544
chr7	110850607	110862953	Lyve1	**1.83163**	16829
chr10	60106257	60133913	Spock2	**0.88217**	12172
chr3	138526421	138526485	Mir1956	**0.54565**	125
chr3	108739658	108782309	Aknad1	**0.7747**	7107
chrX	17132049	17319368	Efhc2	**0.38795**	3492
chr15	97244074	97247287	Amigo2	**0.57494**	5700
chr1	44551671	44796836	Gulp1	**1.18854**	12466
chr6	65778962	65936377	Prdm5	**0.33809**	2600
chr7	44496588	44501134	Fam71e1	**0.35025**	1048
chr6	122952515	122969878	Clec4a3	**1.40803**	6600
chr5	137612505	137625078	Fbxo24	**0.55605**	4231
chr18	51117898	51304641	Prr16	**0.91616**	7181
chr4	117155771	117155848	Snord55	**0.36741**	101
chr1	58029969	58106410	Aox1	**0.56392**	8709
chr3	3508030	3659800	Hnf4g	**0.5091**	7500
chr13	30749258	30766927	Irf4	**0.3393**	5600
chr13	95477301	95478655	S100z	**0.43885**	464

chr16	19946492	19983049	Klhl6	**0.5545**	4700
chr7	45127383	45127463	Snord32a	**1.20151**	343
chr4	138967112	138968366	Rnf186	**0.44155**	1953
chr17	17064103	17089631	Zfp960	**0.62053**	3287
chr4	106442334	106464325	Pcsk9	**0.64383**	7969
chr11	82952102	82964850	Slfn5	**2.26003**	47090
chr1	17601901	17630939	Pi15	**0.80642**	19676
chr8	105860634	105860659	Nutf2	**2.008**	184
chr7	29784790	29794540	Zfp30	**0.32177**	2953
chr3	59096448	59101821	Gpr171	**0.34431**	2700
chr15	66526212	66561046	Tmem71	**0.76709**	7924
chr10	79851377	79854971	E130317F20Rik	**0.39466**	4597
chr9	107581296	107587359	Hyal3	**0.55678**	3591
chr1	20951626	20990841	Efhc1	**0.41597**	3237
chr10	22158609	22173250	Raet1a	**1.02065**	1000
chr15	84167816	84189521	Pnpla3	**0.40202**	6587
chr3	32583528	32616535	Gnb4	**0.61761**	5988
chr15	35307010	35328535	BC048602	**0.34934**	900
chr3	9250567	9285332	Zbtb10	**0.61281**	16086
chr1	132509425	132542940	Cntn2	**0.55349**	18600
chr7	102096879	102100229	Art5	**0.64512**	3897
chr4	152115934	152120119	Tnfrsf25	**0.27807**	1865
chr17	7926000	7934897	Tagap	**0.31363**	3400
chr14	59380833	59393512	Phf11c	**0.34691**	1944
chr11	83191330	83215154	Slfn3	**0.67966**	4350
chr9	37528089	37538319	Esam	**1.74468**	11400
chr3	89753456	89764632	Chrnb2	**0.59445**	11263
chr6	125552948	125686679	Vwf	**1.73083**	53888
chr13	55523235	55528538	Dok3	**0.75652**	4122
chr18	80294544	80364254	Kcng2	**0.28223**	2800
chr9	21165714	21213248	Pde4a	**0.69753**	12604
chr18	37955559	37957155	Rell2	**0.57924**	1478
chr2	84500748	84506873	Gm13710	**0.2393**	700
chr13	113209659	113218104	Esm1	**0.83651**	6200
chr1	36562696	36683183	Fam178b	**0.41506**	3758
chr7	89632818	89854359	Me3	**0.54917**	8458
chr3	106481986	106485913	2010016I18Rik	**0.24878**	1032
chrX	113297510	113836386	Dach2	**0.28678**	7821
chr2	25234476	25236787	Rnf224	**0.19655**	1400
chr15	39745930	39760938	Dcstamp	**0.26247**	1900
chr13	67405713	67421418	Zfp459	**0.30368**	3564
chr19	47736857	47837361	Cfap43	**0.30154**	6320
chr19	5388704	5390069	D330050I16Rik	**0.43246**	2082
chr9	119937606	119967793	Ttc21a	**0.52786**	7780
chr4	124986430	125009099	Rspo1	**1.53179**	9901
chr10	40033535	40142254	Slc16a10	**0.54086**	12497
chr14	54643049	54643110	Mir6948	**0.48968**	107

chr2	125627447	125724148	Shc4	**0.36515**	6203
chr5	92321331	92328079	Cxcl9	**0.5958**	6100
chr14	46882965	47105817	Samd4	**0.93532**	24466
chr3	14863538	14872373	Car3	**15.51252**	83593
chr8	70152778	70167488	Mef2b	**0.18564**	878
chr18	11821088	11839273	Gm6277	**0.56834**	2640
chr13	21396578	21396638	Mir6942	**0.74889**	161
chr11	117611247	117613417	2900041M22Rik	**0.68486**	3244
chr6	118461950	118479273	Zfp9	**0.78877**	10900
chr4	148160668	148166417	Fbxo2	**0.39089**	1700
chr11	50236472	50238471	Ltc4s	**0.4121**	854
chr15	101810689	101818169	Krt2	**0.20632**	1900
chr5	135406519	135545122	Hip1	**0.83558**	23129
chr13	62603015	62624182	6720489N17Rik	**0.66686**	6200
chr10	82629838	82650432	Tdg	**0.16775**	94
chr15	76266787	76269839	Gm10872	**0.56311**	1548
chr6	54577605	54593128	Fkbp14	**0.92473**	8617
chr4	62189537	62208546	Zfp37	**0.33562**	4399
chr9	114368324	114377238	4930520O04Rik	**0.31268**	1383
chr17	10403012	10840191	Pacrg	**0.29316**	1400
chr2	176708353	176721813	Gm14305	**0.38859**	2220
chr7	16875317	16887301	Dact3	**0.84279**	8400
chr1	40580227	40630731	Slc9a4	**0.50371**	6785
chr6	125232622	125237027	Cd27	**0.29969**	1653
chr16	43648861	43664184	Tigit	**0.4125**	1400
chr1	132880355	132940005	Lrrn2	**0.70384**	8300
chr11	112663927	112711356	BC006965	**0.41907**	2883
chr10	109683439	110000219	Nav3	**1.13142**	31031
chr1	164154326	164220274	F5	**0.64564**	16256
chr2	32308471	32353329	Dnm1	**1.16103**	16875
chr8	105984946	105996423	Dpep2	**0.62236**	4457
chr17	35236596	35238768	Atp6v1g2	**0.56672**	2986
chr14	52110903	52160418	Rpgrip1	**0.44789**	6775
chrX	95639194	95658509	Zc4h2	**0.54082**	4199
chrX	93654863	93749948	Pcyt1b	**0.43953**	8100
chr2	150407137	150451494	Zfp442	**0.28723**	2800
chr6	129350244	129365303	Clec12a	**0.99334**	7779
chr5	109933563	109941710	Gm15446	**0.49229**	2691
chr11	50811085	50827731	Zfp354c	**0.60264**	11399
chr5	105115767	105139586	Gbp4	**0.99315**	15884
chr5	115845656	116006341	Cit	**0.52835**	12841
chr14	28904943	29721864	Cacna2d3	**0.47426**	6176
chr14	65266701	65321502	Fbxo16	**0.46105**	1997
chr11	46325148	46389515	Itk	**0.32454**	5322
chr2	62500936	62574021	Fap	**1.15038**	10963
chrX	135579787	135593855	Nxf7	**0.65414**	4295
chr13	62367716	62383174	Gm3604	**0.40437**	4160

chr15	99497005	99528165	Faim2	**1.20124**	19610
chr2	25327450	25332571	AA543186	**0.55192**	3299
chr10	22173521	22183914	Raet1e	**0.79077**	1583
chr9	121784016	121792507	Hhatl	**1.93014**	13571
chr2	14229414	14332023	Mrc1	**1.88043**	35244
chr4	128615446	128618619	Tlr12	**0.30394**	3400
chr2	113748675	113758648	Grem1	**1.20957**	6987
chr15	82996736	83033397	Nfam1	**0.80881**	12052
chr11	59175564	59183213	Gjc2	**0.62941**	5000
chr5	135960223	135974476	Ssc4d	**0.40624**	3900
chr1	132191436	132257382	Lemd1	**0.41248**	1429
chr6	112459505	112472872	Cav3	**1.20166**	4900
chr7	81529916	81529988	Mir1839	**0.69186**	178
chr5	107497745	107512556	A830010M20Rik	**0.54593**	12999
chr9	120964454	121277172	Ulk4	**0.3026**	4349
chr1	173723428	173741809	AI607873	**0.9827**	12063
chr2	150667494	150668932	E130215H24Rik	**0.30906**	940
chr3	129808575	129822505	Rrh	**0.24222**	1190
chr16	33062521	33125659	Lmln	**0.5389**	7808
chr11	80154162	80178827	Adap2	**0.40153**	2260
chr4	47208012	47313165	Col15a1	**2.00495**	37585
chr10	128194635	128209909	Gls2	**0.56369**	4756
chr2	130278026	130278088	Snord57	**0.49091**	109
chr4	132309465	132309600	Snora16a	**0.90755**	435
chr11	120826542	120932872	Ccdc57	**0.54965**	6567
chr7	45123026	45123111	Snord35b	**1.68924**	512
chr3	100993529	101029495	Cd101	**0.5345**	6158
chr13	36867178	37050244	F13a1	**2.16031**	29899
chr11	77463913	77469501	Coro6	**1.24469**	6738
chr14	69609476	69695834	Loxl2	**1.15893**	21129
chr2	150310937	150362765	3300002I08Rik	**0.60382**	1379
chr11	6172508	6173331	Rps15a-ps6	**0.41321**	1200
chr8	123504718	123515455	Dbndd1	**0.32291**	3001
chr1	75479532	75485693	Tmem198	**0.48995**	3773
chr12	103980243	103989957	Serpina11	**0.40017**	2100
chr6	90604880	90646412	Slc41a3	**0.79782**	7471
chr14	55618166	55625395	Rec8	**0.36714**	2659
chr3	127916171	127955220	9830132P13Rik	**0.21951**	3240
chr14	61607457	61612833	Kcnrg	**0.27631**	1784
chr18	46165300	46212607	Trim36	**0.23396**	4000
chr18	34562641	34579106	Nme5	**0.23959**	700
chr10	39118808	39133895	Fam229b	**0.45632**	1174
chr8	54779434	55060878	Gpm6a	**0.96938**	12142
chr14	51129068	51131121	Rnase6	**0.47687**	1800
chr7	27674661	27706482	C030039L03Rik	**0.41054**	6854
chr8	79295078	79307774	Gm4890	**0.41734**	3886
chr8	72189668	72200958	Hsh2d	**0.61496**	2655

chr12	80942652	80945399	Gm20337	**0.524**	2109
chr7	10487224	10495381	Zik1	**0.39247**	5797
chr2	32757026	32775633	Ttc16	**0.34778**	4328
chr9	22247430	22259895	Zfp599	**0.3413**	4299
chr7	84528954	84578339	Gm2115	**0.15108**	992
chrX	7558562	7574281	Ppp1r3f	**0.46082**	5163
chr5	91987473	91995317	Gm1045	**0.3914**	1047
chrX	10037977	10117661	Srpx	**2.79326**	24178
chr17	34092379	34095234	H2-Oa	**0.1671**	500
chr12	111271111	111276426	Amn	**0.28593**	1698
chr17	71673261	71729669	Fam179a	**0.40605**	5013
chr13	23683473	23683959	Hist1h2ac	**0.50689**	870
chr5	24257528	24257612	Mir684-1	**0.464**	139
chr10	30832359	30842783	Hey2	**0.55795**	4979
chr3	94660589	94667152	BC021767	**0.44637**	3505
chr1	40515362	40551705	Il18rap	**0.37904**	6531
chr17	26941452	26970645	Syngap1	**0.42205**	5984
chr19	41588651	41588789	Mir8091	**0.64913**	318
chr15	79139238	79141251	1700088E04Rik	**1.04316**	1000
chr3	105815567	105817359	Gm5547	**0.53595**	867
chr16	20545112	20548556	Gm15760	**0.3409**	4139
chr7	44590886	44604751	Kcnc3	**0.40645**	7426
chr5	5580982	5664232	Cfap69	**0.3042**	3479
chr3	15795147	15848487	LOC100038947	**0.6236**	3200
chr11	98798309	98809807	Gm12359	**0.25966**	938
chr2	131950861	131954820	Prnd	**0.64274**	3006
chr13	89655310	89742512	Vcan	**3.76155**	194733
chr8	92961047	93001667	Slc6a2	**1.14697**	24549
chrX	102247378	102252181	Cited1	**0.25964**	1390
chr5	129895723	129903622	Zbed5	**0.30755**	2700
chr16	38458933	38486932	Cd80	**0.58417**	3500
chr11	90030348	90036505	Tmem100	**1.81487**	11283
chr15	82341179	82345710	Fam109b	**0.46515**	4500
chr5	120589023	120607113	Iqcd	**0.35467**	2085
chr2	180986535	181017540	Col20a1	**0.31192**	4605
chr13	67254918	67269068	Zfp458	**0.44708**	5496
chr19	29067301	29069503	Gm9895	**0.22391**	524
chr2	121394355	121413792	Catsper2	**0.53212**	4214
chr2	127456498	127522094	Kcnip3	**0.3235**	4068
chr9	57790505	57834234	Arid3b	**0.2779**	3713
chr13	40727808	40735162	Tfap2a-as1	**0.59686**	2499
chr3	107039504	107054322	AI504432	**0.40939**	7999
chr13	46418300	46431099	Rbm24	**0.99432**	11298
chr6	134897961	134900785	2810454H06Rik	**0.4117**	4099
chr10	128790910	128800035	Mmp19	**0.96295**	9041
chr2	11642792	11693194	Il2ra	**0.48059**	7500
chr7	79593363	79617657	Rhcg	**0.23324**	1718

chr8	119992470	120052793	Crispld2	**2.11977**	31004
chr6	87675593	87690847	1810020O05Rik	**0.2439**	900
chr19	12633308	12651737	Glyat	**0.36821**	1700
chr9	57504102	57505447	Rpp25	**0.50318**	2387
chr2	26352312	26359547	Card9	**0.3519**	1998
chr12	4769295	4778266	Pfn4	**0.15534**	715
chr17	25162461	25171913	Ccdc154	**0.45856**	3890
chr12	104314570	104320586	Serpina3j	**1.22069**	8600
chr7	133883199	134225097	Adam12	**0.22792**	6165
chr8	46730970	46739515	Gm16675	**0.52811**	2455
chr1	144752841	144775421	Rgs18	**0.36708**	2405
chr5	136919146	136937109	4933404O12Rik	**0.35006**	4898
chr6	38918986	39084579	Tbxas1	**0.42819**	2985
chrX	153832293	153834240	Spin2c	**0.41279**	1900
chr9	7272514	7283333	Mmp13	**0.42418**	3999
chr5	4192367	4197651	Mterf1b	**0.49571**	2390
chr4	11579662	11580107	Fsbp	**0.44215**	695
chr11	33211794	33513746	Ranbp17	**0.35722**	6446
chr18	52516060	52529867	Lox	**2.26417**	39372
chr1	163245119	163313650	Prrx1	**1.97764**	51912
chr1	195041900	195092248	Cd46	**0.47274**	2021
chr13	23574381	23574915	Hist1h2ad	**0.6709**	1265
chr17	84917182	84957423	1110020A21Rik	**0.53859**	1771
chr9	66814994	66834706	Aph1c	**0.58576**	10704
chr9	6168612	6377519	Pdgfd	**0.58376**	3693
chr17	47412734	47437375	1700001C19Rik	**0.20405**	1183
chr6	55203383	55320222	Fam188b	**0.42554**	6404
chr16	98062512	98082439	A630089N07Rik	**0.42847**	3218
chr10	75937735	75940672	Gm867	**0.31804**	1363
chr17	23629458	23645269	Mmp25	**0.37493**	4457
chr12	5376502	5416132	2810032G03Rik	**0.36877**	1635
chr13	33936084	33960181	1110046J04Rik	**0.53226**	1360
chrX	48025146	48034852	Apln	**0.6038**	6699
chr4	114406724	114615098	Trabd2b	**0.61816**	14416
chr12	4843303	4856967	BC068281	**0.29429**	3291
chr8	123186235	123201813	Dpep1	**4.39733**	34777
chrX	133851008	133865578	Tnmd	**3.20951**	14999
chr4	49521176	49531558	Zfp189	**0.54262**	5500
chr4	134315120	134329629	Trim63	**1.93066**	12833
chr1	171588613	171607410	Ly9	**0.68093**	6218
chr19	53441212	53464796	5830416P10Rik	**0.20953**	3908
chr10	61197112	61273438	Adamts14	**0.40472**	7400
chr8	45953606	45975252	1700029J07Rik	**0.37435**	3615
chr2	18044087	18048449	Skida1	**0.50056**	7697
chr15	6445333	6498476	C9	**0.47804**	2977
chr12	109032182	109068217	Begain	**0.57072**	5455
chr2	26639190	26639321	Snora17	**0.53739**	250

chr16	17835276	17838186	Car15	**0.36976**	1440
chr3	157566892	157644758	Ptger3	**0.56987**	4053
chrX	73086293	73097095	Xlr3a	**0.42604**	2473
chr13	19749682	19824257	Gpr141	**0.26448**	3200
chr14	50891389	50893255	Klhl33	**1.39567**	7880
chr17	5798657	5803240	3300005D01Rik	**0.15463**	697
chr11	3488227	3494166	Pla2g3	**0.20553**	1900
chrX	107148927	107173661	A630033H20Rik	**0.61594**	7359
chr12	69464787	69475550	5830428M24Rik	**0.38343**	1400
chr13	102693558	102706631	Cd180	**0.43098**	3533
chr17	33981492	33985358	AA388235	**0.27882**	3800
chrX	122394561	122397385	Nap1l3	**0.37162**	3700
chr8	95534100	95558888	Ccdc113	**0.22324**	1000
chr15	37366175	37792428	Ncald	**0.63731**	9099
chr19	40868316	40882639	E030044B06Rik	**0.19668**	610
chr7	45366163	45367890	Mtag2	**0.37513**	1018
chr17	47385393	47392967	Guca1b	**0.1531**	900
chr11	59963307	59964942	Rasd1	**1.16002**	6063
chr9	23223076	23485215	Bmper	**0.63018**	8453
chr7	109520132	109520251	Snora3	**0.43034**	182
chr7	100845848	100863413	Relt	**0.46011**	4568
chr1	95587682	95667594	St8sia4	**0.50975**	10199
chr3	103193823	103834523	Mir3473f	**0.57839**	212
chr8	71908606	71918851	Zfp882	**0.5008**	9974
chr11	100186781	100193246	Krt9	**0.6625**	6024
chr15	91673224	91816124	Lrrk2	**0.88911**	25789
chr13	17747473	17747593	Mir466i	**0.46196**	197
chr7	83932857	84086505	Cemip	**0.30611**	7675
chr6	47819266	47830505	Zfp786	**0.55685**	5552
chr9	53405286	53432803	4930550C14Rik	**0.22938**	1000
chr6	122921848	122934619	Clec4a1	**0.83537**	4587
chr2	71543408	71546754	Dlx2	**0.69977**	6099
chr5	30341663	30366708	Drc1	**0.44928**	3588
chr18	62607540	62741387	Spink13	**0.4754**	1332
chr3	95884973	95891930	BC028528	**0.97474**	797
chr5	30913786	30921273	Emilin1	**1.31746**	16084
chr12	33957671	33959831	Twist1	**2.03666**	11700
chr5	23850597	23855033	2700038G22Rik	**0.34277**	1655
chr14	59647741	60086834	Atp8a2	**0.49063**	6372
chr10	7589800	7625477	Lrp11	**0.66821**	8000
chr19	6418738	6533217	Nrxn2	**0.48023**	11272
chr14	122097939	122106974	A330035P11Rik	**0.4826**	4611
chr8	125910450	125947439	BC021891	**0.55631**	11160
chr7	39517766	39540415	Zfp619	**0.33774**	7099
chrX	134748455	134751419	Armcx6	**0.39032**	2798
chr7	68273839	68363092	Fam169b	**0.22128**	2200
chr9	21971527	21989453	Rgl3	**0.68721**	6176

chr16	91269769	91271939	Olig1	**1.41151**	10800
chr7	46104523	46180033	Abcc8	**0.48806**	8518
chr9	108096022	108190383	Bsn	**0.36003**	20222
chr11	109225355	109298181	Rgs9	**0.36713**	11037
chr9	65265180	65280605	Cilp	**4.40141**	64422
chr3	55242526	55539068	Dclk1	**0.60032**	27494
chr1	56793981	56971334	Satb2	**0.41326**	7699
chr3	132085292	132180304	Dkk2	**2.33578**	30500
chr5	121518604	121521695	Adam1a	**0.17931**	1954
chr10	81084333	81098872	Creb3l3	**1.14888**	9244
chr1	171018926	171029761	Fcgr4	**1.19693**	5273
chr13	23555032	23555807	Hist1h1d	**1.18834**	3250
chr5	64924680	64933558	Tlr1	**0.36931**	3975
chr13	73699826	73709856	Slc6a19os	**0.27727**	1500
chr3	145004537	145032776	Clca3	**0.13747**	1422
chr12	86678700	86695681	Vash1	**0.41637**	9082
chr7	142533117	142540742	Mrpl23	**0.30227**	620
chr10	5020196	5550692	Syne1	**0.58105**	37088
chr13	52504375	52530836	Diras2	**0.35239**	5400
chr4	118471191	118489849	Tie1	**1.16451**	15920
chr2	119742337	119751253	Itpka	**0.40536**	2583
chr19	23758876	23949597	Apba1	**0.48345**	11300
chr1	169655501	169693526	Rgs5	**2.2809**	14542
chr11	82101845	82103399	Ccl12	**0.63524**	1200
chr6	117863077	117872766	Zfp239	**0.52481**	5203
chr6	148988069	149101680	Dennd5b	**0.51548**	17864
chr6	134982001	134986836	Apold1	**0.44928**	5200
chr7	126816885	126830219	Fam57b	**0.7745**	8631
chr8	31187331	31261924	Fut10	**0.67379**	12099
chr10	81233163	81252123	Zfr2	**0.50124**	5902
chr6	128813706	128826315	Klrb1b	**0.37084**	2891
chr4	154960923	154962371	Hes5	**0.55678**	2498
chr7	142491080	142506771	Prr33	**1.70914**	13523
chr7	115470872	116038744	Sox6	**0.42435**	13997
chr9	20607475	20617271	Fbxl12os	**0.31603**	2623
chr2	32721055	32755007	Sh2d3c	**0.56241**	7217
chr7	29134933	29153955	Rasgrp4	**0.41274**	5999
chr1	9942470	9942543	Snord87	**0.30291**	79
chrX	147471694	147554081	Lrch2	**0.16635**	2120
chr12	111417430	111431680	Exoc3l4	**0.37421**	4649
chr19	4623898	4623955	Mir6986	**0.87079**	178
chr10	103367808	103419379	Slc6a15	**0.46719**	6000
chr9	65388684	65391652	Kbtbd13	**0.55429**	5800
chr4	141618825	141623834	Slc25a34	**0.51818**	4898
chr2	104071010	104084957	Cd59b	**0.50617**	1420
chr15	76910370	76925448	Zfp647	**0.43215**	3500
chr3	10193624	10197283	Fabp9	**0.30746**	700

chr5	104935057	104982717	Abcg3	**0.23558**	2519
chr10	81194691	81208370	Atcayos	**1.43494**	1325
chr16	31986831	31987791	LOC101669761	**0.59051**	2000
chr13	4059591	4090422	Akr1c14	**0.98061**	8450
chr13	42680623	43138512	Phactr1	**0.33018**	6875
chr2	84811176	84822652	Smtnl1	**1.33314**	8274
chr10	58813359	59138916	Sh3rf3	**0.47476**	9673
chr14	88464747	88471396	Pcdh20	**0.8452**	15600
chr18	77456110	77565136	Rnf165	**0.32253**	8298
chr4	120877869	120891560	Rims3	**0.29042**	1000
chr1	134765943	134955940	Ppp1r12b	**0.74598**	16261
chrX	57088106	57105446	Vgll1	**0.17904**	749
chr4	65124174	65357509	Pappa	**0.37563**	14598
chr6	48647234	48660875	Gimap8	**0.38059**	4963
chr2	131039632	131043088	Gfra4	**0.45376**	2386
chr2	170731807	170879775	Dok5	**0.2815**	1760
chr6	31519493	31563937	Podxl	**1.94417**	36521
chr3	87846755	87855722	Sh2d2a	**0.23231**	3876
chr8	70373548	70382066	Comp	**2.33296**	19947
chr16	30511855	30550578	Tmem44	**0.47381**	7082
chr14	62555737	62608485	Fam124a	**1.04522**	13103
chr4	6687386	6990723	Tox	**0.23877**	2400
chr1	40805601	40855267	Tmem182	**2.00249**	7735
chr17	7350904	7352696	Ttll2	**0.32517**	1860
chr1	15853862	15892722	Sbspon	**0.46072**	4462
chr18	37685400	37687817	Pcdhga4	**0.25147**	2143
chr8	121127685	121130644	Foxl1	**0.36426**	3800
chr15	75108161	75111949	Ly6c2	**0.69394**	1959
chr17	28142526	28171345	Scube3	**0.64626**	6792
chr12	26306794	26415262	Rnf144a	**0.72356**	13189
chr2	26934069	26953496	Stkld1	**0.37871**	2895
chr6	124996720	125003097	Pianp	**1.01037**	8329
chr8	84125989	84132517	Podnl1	**0.33353**	2445
chr10	81271597	81271661	Mir3057	**0.87741**	201
chr3	87749097	87768953	Pear1	**0.33648**	5589
chr7	31059935	31070935	Lgi4	**0.75764**	8598
chr5	114773733	114774983	4930515G01Rik	**0.5448**	2402
chr7	30291753	30308367	Clip3	**0.75543**	8786
chr17	47688474	47694736	Prickle4	**0.2681**	617
chr1	184727145	184732493	Hlx	**0.31718**	2400
chr3	87736923	87748623	Lrrc71	**0.28099**	2969
chr11	114890041	114904651	Cd300a	**0.70648**	11558
chr7	127603903	127604445	1700120K04Rik	**0.64743**	1239
chr8	27085841	27123436	Gpr124	**1.10909**	21565
chr17	27655591	27711117	Pacsin1	**0.31179**	4857
chrX	7638580	7653256	Syp	**0.52598**	4601
chrX	134542341	134583140	Btk	**0.61035**	5453

chr13	73627001	73649041	Tert	**0.22345**	2698
chr2	69758057	69789486	Ccdc173	**0.71533**	4364
chrX	71050256	71154717	Mamld1	**0.28546**	3478
chrX	20059570	20097520	Chst7	**0.72389**	5600
chr8	13026034	13035809	F7	**0.55084**	3609
chr1	63114471	63158295	Ino80dos	**0.43054**	2358
chr2	104679980	104712162	Tcp11l1	**0.29069**	3598
chr14	61219115	61258490	Sgcg	**1.38952**	16714
chr2	32066885	32083705	Fam78a	**0.42444**	6000
chr11	83002158	83020722	Slfn8	**0.40887**	5653
chr17	33524196	33553782	Adamts10	**0.72252**	10364
chr9	40972798	41004628	Crtam	**0.20487**	1400
chr5	140872999	141000596	Card11	**0.21391**	3100
chr3	37308627	37312446	Cetn4	**0.4019**	1500
chr3	137341078	137431069	Emcn	**1.90888**	9829
chr7	45832483	45866681	Grin2d	**0.46196**	7136
chr10	122078112	122079879	Gm9079	**0.27283**	1700
chr12	102129419	102266749	Slc24a4	**0.50536**	3726
chr4	146468234	146469440	Gm13251	**0.20287**	863
chr14	79451835	79454816	Zbtbd6	**0.15215**	1599
chr11	101279203	101288266	Cntd1	**0.26412**	1669
chr7	127232418	127233130	Gm4532	**0.47754**	1200
chr17	24175431	24199957	Tbc1d24	**0.36836**	10339
chr16	84774123	84826375	Jam2	**1.26555**	21485
chr12	111484609	111485823	Gm266	**0.56047**	2400
chr9	37544493	37552745	Nrgn	**0.1479**	674
chr5	104813168	104860068	Zfp951	**0.34023**	3481
chr8	3871824	3878499	Cd209d	**1.2908**	3926
chr16	29231914	29378732	Atp13a5	**0.24157**	3861
chr9	96731676	96752831	E030011O05Rik	**0.44875**	1047
chr7	113765998	114043375	Spon1	**1.05609**	22950
chr14	73519864	73548242	Nudt15	**0.38259**	3495
chr3	65666228	65831162	Lekr1	**0.25899**	2009
chr11	99144199	99155077	Ccr7	**0.2721**	1894
chr4	109218413	109254577	Calr4	**0.16836**	1500
chr13	16857475	17694765	Sugct	**0.49556**	3011
chr7	12768092	12775658	Zscan18	**0.45057**	5758
chr2	153649449	153687730	Dnmt3b	**0.30656**	4675
chr9	86571988	86574899	Rwdd2a	**0.53034**	2585
chr5	149439706	149470620	Tex26	**0.33561**	1294
chr16	4037145	4039976	Dnase1	**0.26523**	1175
chr8	18932729	18950975	Xkr5	**0.23321**	3300
chr18	34689903	34720387	Gfra3	**1.05263**	7390
chr9	50488799	50499094	Plet1os	**0.31185**	943
chr3	69573919	69598960	B3galnt1	**0.5094**	4070
chr15	42424667	42676977	Angpt1	**1.1767**	17899
chr11	97744897	97745035	Mir8102	**0.20005**	98

chr10	80832801	80844039	Lingo3	**0.35478**	4300
chr2	181578480	181585115	Uckl1os	**0.63817**	4595
chr13	114958081	115101964	Itga1	**1.04161**	21960
chr19	4164324	4175479	Carns1	**0.75461**	10553
chr2	181669837	181671640	Sox18	**1.91029**	10900
chr3	10244209	10301183	Fabp12	**0.2215**	1961
chr7	97309380	97325964	Usp35	**0.39141**	5493
chr9	92267258	92267361	Mir6386	**0.81848**	300
chr17	48232739	48246924	Trem1	**0.47837**	5100
chr7	141015812	141016892	Ifitm6	**0.46206**	881
chr2	148694657	148732420	Napb	**0.4205**	5473
chr8	3665762	3668905	Mcemp1	**0.69431**	2770
chr4	132302194	132303356	Rab42	**0.47753**	1237
chr13	92751586	92794818	Thbs4	**5.75747**	64973
chr17	39406359	39410992	Esp18	**1.05708**	4683
chr5	120458202	120472763	Sdsl	**0.34288**	1461
chr5	30711895	30799369	Dpysl5	**0.44078**	7800
chr11	115381916	115396132	Cdr2l	**0.49072**	6399
chrX	105764477	105776532	Fgf16	**0.20534**	2200
chr6	122513676	122529287	Mfap5	**3.74093**	18590
chr10	87859056	87937047	Igf1	**1.48046**	38590
chr10	107492860	107494729	Myf6	**1.22749**	5399
chr13	48272418	48273884	A330048O09Rik	**0.41604**	978
chr18	37755773	37758367	Pcdhga11	**0.14214**	1300
chr7	12881178	12893422	Zfp128	**0.38493**	5200
chr12	26469215	26479837	Cmpk2	**0.59613**	6700
chr5	48395573	48414294	5730480H06Rik	**0.30667**	1752
chr2	74704615	74707932	Hoxd8	**1.37993**	10500
chr9	121577843	121641566	Lyzl4	**0.13589**	477
chrX	134971373	135009209	Zmat1	**0.56205**	6939
chr1	171559193	171585316	Cd244	**0.27181**	3600
chr14	78277446	78308043	Tnfsf11	**0.17773**	1400
chr17	12318853	12327250	4732491K20Rik	**0.41122**	4600
chr19	47512982	47516578	Gm19557	**0.34852**	3244
chr7	48830398	48848051	Csrp3	**2.47813**	8498
chr10	79916971	79922272	Kiss1r	**0.26319**	2933
chr4	101346524	101356248	E130102H24Rik	**0.3375**	791
chr18	9707648	9877995	Colec12	**1.77991**	20839
chr6	123122690	123143999	Clec4a2	**0.69536**	6411
chr13	55006019	55021385	Hk3	**0.59827**	6821
chr3	89998760	90001325	Gm19710	**0.18255**	359
chr2	177759288	177773275	Gm14322	**0.18965**	2687
chr9	54538984	54545020	Sh2d7	**0.21556**	2096
chr4	136423524	136444401	Htr1d	**0.31208**	3524
chrX	161162750	161258213	Scml2	**0.34751**	5978
chr9	57056897	57071966	Gm10658	**0.50022**	1837
chr17	5492600	5753891	Zdhhc14	**0.508**	5577

chr2	153407461	153529971	Nol4l	**0.54808**	12600
chr5	57570084	57717919	4932441J04Rik	**0.2173**	556
chr5	143758354	143764942	D130017N08Rik	**0.33533**	2015
chr4	108014793	108032090	Podn	**1.00958**	12336
chr4	129287621	129306704	Sync	**1.01978**	5463
chr6	128539822	128581606	BC048546	**1.03325**	17108
chr12	113185903	113189522	Tmem121	**0.67388**	3800
chr13	62772200	62785808	Gm5141	**0.32882**	3800
chr8	4248214	4251423	Tgfbr3l	**0.55032**	2085
chr2	165377436	165388259	Zfp334	**0.18604**	3300
chr15	84232043	84315609	Parvb	**0.97421**	12721
chr1	125913636	126830632	Nckap5	**0.28355**	7588
chr13	95959443	96132577	Sv2c	**0.23342**	3498
chr7	92740706	92741459	4632427E13Rik	**0.23878**	563
chr7	44959372	44974851	Cpt1c	**0.60922**	5999
chr8	34115030	34125185	Mboat4	**0.33944**	2200
chr11	51059257	51072799	Zfp354a	**0.2324**	3300
chr11	96464591	96759622	Skap1	**0.2393**	1847
chr12	87278638	87299705	Ism2	**0.41752**	3717
chr6	90333289	90364548	Uroc1	**0.33024**	3913
chr15	79166066	79216401	Gm10863	**0.47735**	1144
chr10	77686569	77886769	Tspear	**0.23618**	2036
chr10	79890853	79892660	Cfd	**10.80445**	35299
chr11	48803139	48803206	Snord95	**0.37554**	90
chr1	135324813	135368065	Lmod1	**0.76268**	10596
chr15	89422125	89425862	Cpt1b	**0.96093**	508
chr10	20398004	20725068	Pde7b	**0.71296**	10370
chr1	78101267	78197136	Pax3	**0.16138**	2200
chr9	118606709	118901003	Itga9	**0.68644**	17155
chr2	172393794	172433757	Cass4	**0.32105**	4199
chr10	62383137	62422457	Hkdc1	**0.16293**	2000
chr6	120666421	120771191	Cecr2	**0.25581**	8306
chr14	20659418	20668306	Synpo2l	**1.26598**	17499
chr17	31208066	31242403	Ubash3a	**0.31641**	3293
chr14	20546293	20570680	1810062O18Rik	**0.32772**	611
chrX	78449610	78583897	Prrg1	**0.53298**	7585
chr18	37751779	37754193	Pcdhgb7	**0.15051**	1281
chr12	57564115	57622109	4921506M07Rik	**0.33688**	1756
chr1	175059076	175492545	Rgs7	**0.35162**	3082
chr4	75941237	78211895	Ptprd	**0.20624**	6634
chr4	116684965	116686022	AV051173	**0.66268**	1420
chr16	8513429	8621567	Abat	**0.53852**	8797
chr11	43374397	43374461	Mir146	**1.03456**	237
chr15	76715276	76719924	Lrrc24	**0.20898**	1367
chr17	35342333	35345722	H2-Q2	**0.45362**	1757
chr2	9881246	9886767	4930412O13Rik	**0.41487**	5758
chr4	115779834	115781034	Tex38	**0.17343**	500

chr12	105563172	105593071	Bdkrb2	**0.4729**	2800
chr6	148232430	148444352	Tmtc1	**0.78159**	21866
chr3	134236495	134262089	Cxxc4	**0.43209**	8435
chr9	86743633	86757506	Prss35	**0.65194**	5797
chr1	36372291	36422110	Fer1l5	**0.33898**	7548
chr11	118428457	118451782	C1qtnf1	**1.37713**	18817
chr4	155859304	155863353	Tas1r3	**0.26114**	3201
chr11	118332360	118342534	BC100451	**0.30124**	2100
chr11	73234149	73261322	Trpv1	**0.36822**	4655
chr4	141890623	142011651	Fhad1	**0.33318**	5290
chr4	155608297	155624755	Gm16023	**0.33976**	2426
chr3	113555952	113577750	Amy1	**1.46386**	9400
chr9	35116811	35130922	4930581F22Rik	**0.15441**	1262
chr8	31089662	31097047	Dusp26	**0.79405**	4889
chr11	88718643	88728572	C030037D09Rik	**0.2558**	952
chrX	12936873	12938541	AA414768	**0.40801**	2400
chr16	87496073	87504038	B130034C11Rik	**0.31199**	1546
chr8	41017468	41019616	B430010I23Rik	**0.16293**	294
chr2	62664327	62694109	Gca	**0.36986**	4286
chr7	42609526	42642604	9830147E19Rik	**0.31698**	5598
chr17	35028605	35046723	Msh5	**0.33805**	3187
chrX	21312210	21334727	Gm6938	**0.20977**	570
chr2	156872922	156887078	Sla2	**0.25848**	1811
chr3	115710433	115715055	S1pr1	**1.45092**	15489
chr10	63024512	63058812	Pbld2	**0.30491**	2376
chr7	35201112	35215345	Lrp3	**0.73018**	9676
chr3	86786150	86920884	Dclk2	**0.2761**	4086
chr11	69599750	69605960	Atp1b2	**1.56829**	16355
chr5	8490336	8622952	Rundc3b	**0.80937**	10483
chr11	116657108	116668389	Gm11744	**0.35955**	1015
chr1	180326969	180330475	Gm5069	**0.20291**	2508
chr7	17150400	17163231	Ceacam3	**0.51999**	3887
chr4	134343046	134354484	Slc30a2	**0.4367**	5099
chr4	45848947	45887008	Stra6l	**0.22819**	2900
chr5	92571537	92591284	Fam47e	**0.29543**	1567
chr8	20268286	20297432	6820431F20Rik	**0.21851**	3588
chr15	79742698	79757394	Gm16576	**0.37804**	7200
chr5	19227046	20704791	Magi2	**0.49035**	12498
chr4	42917251	42941607	N28178	**0.30807**	3684
chr17	30622441	30626905	1700097N02Rik	**0.40832**	1216
chr9	20770050	20815034	Col5a3	**0.73755**	15820
chr17	71640889	71641658	Snord53	**0.58038**	180
chr15	84951526	84951623	Mir1249	**0.47483**	164
chr17	50509547	50688494	Plcl2	**0.74938**	10699
chr6	129610323	129623864	Klrk1	**0.22948**	2690
chr11	69876684	69878018	Tmem95	**0.22763**	426
chr14	55650184	55652539	Tssk4	**0.35487**	1776

chr5	64044973	64050226	5830416I19Rik	**0.18794**	1742
chr2	125300594	125506438	Fbn1	**1.2167**	42452
chr7	29843936	29853648	Zfp940	**0.2977**	2900
chr2	32095651	32110820	Ppapdc3	**1.10447**	7100
chr11	69663043	69663125	Mir1934	**0.54697**	160
chr8	104101625	104144502	Cdh5	**1.59417**	22395
chr3	59207894	59210882	P2ry13	**0.31171**	2775
chr12	102743499	102743661	Moap1	**0.69629**	400
chr6	30733506	30747553	Mest	**0.65181**	4282
chr17	26202962	26211324	Rgs11	**0.39605**	2800
chr15	103308235	103310438	Gpr84	**0.42076**	2300
chr16	17646470	17650738	Ccdc74a	**0.55793**	2513
chr5	29195993	29225524	Rnf32	**0.31978**	1810
chr6	54508816	54566382	Scrn1	**0.38481**	2410
chr4	132309953	132310069	Snora44	**1.56178**	644
chr2	165055636	165071654	Cd40	**0.29933**	1882
chr2	84734204	84737877	Ypel4	**0.40523**	1074
chr5	120730333	120749848	Oas2	**0.19092**	2600
chr18	75001068	75001122	Snord58b	**0.34565**	67
chr2	59382493	59386682	5330411J11Rik	**0.25889**	1500
chr4	106680417	106727930	Mroh7	**0.23575**	3611
chr1	85939537	85961055	Gpr55	**0.40057**	3600
chr2	143546133	143816282	Pcsk2	**0.36926**	5734
chr11	69120453	69123259	Hes7	**0.14717**	500
chr13	35967906	35970388	Ppp1r3g	**0.18441**	1500
chr10	68430956	68541875	1700040L02Rik	**0.5959**	2600
chr5	21543527	21575902	Lrrc17	**1.16043**	8703
chr16	36184212	36188110	Gm5483	**0.61832**	900
chr17	8340406	8344113	Prr18	**0.23814**	2982
chr3	87250965	87263524	Fcrls	**0.90808**	6372
chr16	4935164	4939377	Gm16861	**0.39554**	1769
chr17	40520022	40530702	Esp8	**1.01875**	3235
chr18	23750448	23752305	Gm15972	**0.19188**	282
chr9	121777607	121783819	Klhl40	**1.17888**	10200
chr8	122422085	122423639	Il17c	**0.79308**	1828
chr2	12106660	12301920	Itga8	**0.78984**	16059
chr12	111941991	111944482	5033406O09Rik	**0.60572**	3691
chr15	98519835	98519878	Mir1291	**0.55458**	86
chr9	102506138	102546239	Ky	**1.27019**	24393
chr2	70508819	70540884	Erich2	**0.23426**	1444
chr2	119218119	119229865	Ppp1r14d	**0.48176**	1377
chr17	25809085	25821265	Fbxl16	**0.31626**	3900
chr7	135410367	135413615	Foxi2	**0.56945**	5200
chr8	116969599	116978943	1700030J22Rik	**0.34333**	3595
chr8	122454206	122460692	Snai3	**0.39266**	2199
chr11	75999912	76003569	1700016K19Rik	**0.18485**	600
chr5	103648587	103655732	1700016H13Rik	**0.21685**	723

chr8	105253052	105255153	B3gnt9	**0.98894**	6671
chr9	37275835	37348392	Ccdc15	**0.33831**	4203
chr9	95400926	95407270	Chst2	**0.27728**	6100
chr4	129137060	129144593	Fndc5	**0.39904**	3800
chr13	23542923	23543444	Hist1h2bh	**0.49464**	910
chr7	120173858	120183716	Anks4b	**0.20966**	1500
chr17	51736187	51833290	Satb1	**0.41094**	9831
chrX	101731536	101734147	Cxcr3	**0.28233**	1600
chr11	87760541	87785928	Bzrap1	**0.31556**	8470
chr9	95637628	95695551	Pcolce2	**2.5459**	16743
chr10	22113050	22149270	E030030I06Rik	**0.40939**	3307
chr13	95696920	95702768	F2rl2	**0.18425**	1600
chr17	17830975	17839071	Spaca6	**0.1944**	755
chr1	17727417	17766207	Crispld1	**0.43581**	6153
chr16	38085064	38089000	BC031361	**0.34594**	4800
chr6	67292018	67376137	Il12rb2	**0.24475**	2542
chr10	127032905	127041394	LOC100504608	**0.59427**	1464
chr3	102469919	102521013	Ngf	**0.18979**	800
chr12	71309884	71320107	Dact1	**0.40739**	5400
chr7	16906490	16910905	Ptgir	**0.37446**	4400
chr15	81686167	81697287	Chadl	**0.23293**	1999
chr4	103038065	103114299	Wdr78	**0.29915**	3999
chr19	59458690	59465357	Emx2	**0.20379**	1866
chr4	129984870	130022633	Bai2	**0.48076**	9314
chr8	105690906	105698158	Rltpr	**0.24499**	2156
chr12	85288591	85299358	Zc2hc1c	**0.28488**	4500
chr19	37434841	37440731	Hhex	**0.65688**	4100
chr13	19623175	19632823	Sfrp4	**1.76538**	10938
chr2	163225454	163323102	Tox2	**0.3022**	1784
chr6	124493113	124510643	C1rl	**1.0932**	11597
chr6	97238528	97252780	Lmod3	**1.36668**	10799
chr6	70956606	70961066	Foxi3	**0.55548**	2361
chr18	37518353	37521419	Pcdhb22	**0.33832**	3657
chr9	53850251	53853849	Sln	**1.30957**	2400
chr14	32322019	32347820	Ogdhl	**0.25865**	3144
chr2	122466583	122467797	Bambi-ps1	**0.3503**	1500
chr19	24679662	24861842	Pgm5	**0.94863**	21999
chr11	85832615	85841948	Tbx2	**0.38236**	4800
chr19	10962295	10974670	Ms4a10	**0.16844**	599
chr7	45126864	45126917	Snord33	**1.11394**	212
chr9	88841798	88858870	9330159M07Rik	**0.34901**	3032
chr17	29827958	29887882	Mdga1	**0.30174**	8046
chr6	67422932	67491855	Il23r	**0.26857**	2355
chr7	143778363	143784500	Mrgpre	**0.34704**	4600
chr8	84010228	84011720	2210011C24Rik	**0.43137**	1198
chr8	87661810	87959595	Zfp423	**0.82138**	14205
chr11	67112461	67120080	2310065F04Rik	**0.5806**	5574

chr7	107370790	107548655	Syt9	**0.4387**	5900
chr16	96158406	96192257	Lca5l	**0.296**	3307
chr16	57624256	57754737	Col8a1	**0.92146**	16595
chr15	79803975	79804709	Nptxr	**0.40264**	1043
chr11	33116978	33147400	Fgf18	**0.72931**	4074
chr7	130774069	130825899	Btbd16	**0.18161**	2198
chr14	56258858	56262260	Gzmb	**0.36069**	1800
chr2	120463593	120504919	Capn3	**0.5831**	7168
chr15	99972167	99973287	2310068J16Rik	**0.41586**	1344
chr16	44765736	44794977	Cd200r1	**0.65361**	4356
chr17	40764734	40794146	Crisp2	**0.36699**	1900
chr1	195017399	195037908	A330023F24Rik	**0.20803**	3685
chr2	131946371	131946473	Prn	**0.26721**	97
chr10	63115795	63203952	Mypn	**1.57458**	29112
chr17	25057702	25081114	Tmem204	**1.63529**	10253
chr1	191098414	191108943	Batf3	**0.27896**	700
chr7	16234585	16244154	C5ar2	**0.29482**	3700
chr8	23138785	23147467	Gm15816	**1.49559**	7216
chr7	70365383	70411146	B130024G19Rik	**0.27638**	1765
chr2	158666733	158766334	Ppp1r16b	**0.2844**	6500
chr5	66676944	66687234	Uchl1	**0.79161**	2603
chr15	74813455	74818815	Gml	**0.38086**	1200
chr11	82057832	82062955	Ccl11	**3.43766**	13000
chr18	37504264	37507661	Pcdhb20	**0.37367**	4475
chr2	120265869	120289069	Pla2g4d	**0.15836**	1834
chr11	82035577	82037452	Ccl2	**0.88009**	2500
chr10	93523338	93540033	Amdhd1	**0.22268**	1900
chr15	94629185	95096097	Tmem117	**0.52024**	5099
chrX	103560910	103623754	Ftx	**0.34169**	9021
chr7	27523261	27531174	Hipk4	**0.17631**	1500
chr7	114415254	114537937	Pde3b	**0.59045**	11000
chr16	3707215	3718124	Mefv	**0.27201**	3083
chr7	103826523	103826531	Hbb-bs	**0.97733**	31
chr18	37689859	37692369	Pcdhgb2	**0.226**	2000
chr13	21716412	21716859	Hist1h2ai	**0.43321**	684
chr7	35578996	35585582	Rgs9bp	**0.14646**	3400
chr4	44121893	44124123	Gm12504	**0.21252**	1671
chrX	53053112	53057190	C430049B03Rik	**0.28457**	2736
chr7	82335694	82614448	Adamtsl3	**0.60553**	15547
chr4	83525545	83864670	Ccdc171	**0.33641**	5365
chr2	158375638	158386145	Snhg11	**0.23226**	4800
chr13	23561896	23562365	Hist1h3e	**0.53669**	889
chr5	45529705	45639274	Fam184b	**0.60258**	8274
chr13	67363584	67375763	Zfp456	**0.29223**	4201
chr7	66839735	67152625	Adamts17	**0.23399**	4972
chr17	83831354	83846790	Haao	**0.30182**	1302
chr18	5591860	5775468	Zeb1	**0.95776**	19598

chr2	32986366	33087204	Garnl3	**0.27402**	3271
chr8	65618040	66471637	March1	**0.52317**	8891
chr13	75967739	75998968	Spata9	**0.38856**	1442
chr12	103532565	103613832	Ppp4r4	**0.29676**	3852
chr5	105078394	105110292	Gbp9	**0.75633**	9684
chr2	28496891	28505415	Gbgt1	**0.12752**	600
chr4	155781591	155785874	Tmem88b	**0.34325**	4199
chr15	99251788	99262041	1700120C14Rik	**0.54383**	552
chr18	12741355	12755142	Cabyr	**0.28287**	1297
chr1	86359574	86367964	C130036L24Rik	**0.19454**	868
chr9	86695442	86701253	A330041J22Rik	**0.30299**	1936
chr7	13325667	13360668	Pla2g4c	**0.13002**	1597
chr8	102632995	102785111	Cdh11	**1.86376**	27693
chr10	7444873	7473477	Ulbp1	**0.53316**	3418
chr4	19979445	20005739	4930480G23Rik	**0.20283**	900
chr9	27097384	27155421	Jam3	**0.91546**	6356
chr2	126553024	126588243	Slc27a2	**0.43159**	3500
chr13	107022570	107033518	3830408C21Rik	**0.29331**	1962
chr11	99914751	99915671	Gm11565	**1.35523**	4399
chr16	38362173	38378216	Popdc2	**0.8629**	6277
chr6	124858445	124863917	Gpr162	**0.32086**	3025
chr19	55198098	55241236	Gucy2g	**0.22566**	3093
chr4	135759715	135815567	Myom3	**0.55446**	10900
chr4	53631471	53707009	Fsd1l	**0.36057**	9489
chr9	55326949	55438344	AI118078	**0.46704**	3962
chr8	93302369	93337209	Ces1g	**0.16115**	1300
chr1	93015455	93101874	Kif1a	**0.23992**	7036
chr15	10714836	10790123	4930556M19Rik	**0.2544**	3850
chr2	118707517	118728438	Plcb2	**0.2314**	4196
chr11	97854307	97884154	Fbxo47	**0.45523**	2697
chr7	45126603	45126668	Snord34	**0.83402**	194
chr15	101221191	101225186	A330009N23Rik	**0.21429**	901
chr17	31141062	31144282	Tff2	**1.59212**	3204
chrX	73411103	73426987	Zfp92	**0.38842**	7870
chr11	43474306	43491525	C1qtnf2	**2.2575**	9635
chr7	82632960	82648528	Fam154b	**0.28394**	2790
chr12	110591374	110592679	B930059L03Rik	**0.34761**	1600
chr6	92940582	93111749	9530026P05Rik	**0.25551**	896
chr16	4964288	4978054	4930451G09Rik	**0.37208**	2523
chr2	121093589	121109791	Tgm7	**0.20622**	1543
chr8	124576111	124618731	Capn9	**0.20519**	1685
chr9	70798128	70934808	Lipc	**0.33088**	2239
chr6	128169700	128183803	9330102E08Rik	**0.3021**	4096
chr14	62663667	62692243	Serpine3	**0.26917**	1330
chr6	24951141	24956125	Tmem229a	**0.43822**	7699
chr2	30845367	30881247	Prrx2	**1.29354**	5147
chr18	37477768	37483037	Pcdhb16	**0.74817**	13896

chr3	96220413	96220880	Hist2h2ac	**0.4153**	685
chr2	110360925	110362993	Fibin	**1.50647**	10985
chr7	6363308	6382605	Zfp78	**0.27401**	4730
chr8	10006633	10035999	Tnfsf13b	**0.51768**	3098
chr5	122989354	122998341	A930024E05Rik	**0.19136**	1276
chr3	142496934	142522344	Gbp5	**0.35681**	3799
chr8	40926233	40990770	Pdgfrl	**1.75833**	9500
chr16	37011786	37095417	Polq	**0.30919**	9319
chr19	44516957	44545848	Sec31b	**0.64617**	8934
chr5	23692261	23712667	AI506816	**0.28884**	2830
chr3	89234177	89245897	Trim46	**0.38548**	4827
chr5	66745840	67057159	Limch1	**0.79104**	18010
chr7	27765673	27770972	Gm10046	**0.20293**	452
chr1	39618406	39651182	Creg2	**0.32288**	6599
chr11	121830218	121843436	Ptchd3	**0.18404**	2099
chr17	35470089	35474563	H2-Q10	**0.70309**	3650
chr9	58287723	58313212	Loxl1	**1.61505**	19000
chr8	75213944	75224113	Rasd2	**0.3936**	3898
chr6	37983739	38046996	Svopl	**0.44012**	3670
chr1	56971469	56975196	9130024F11Rik	**0.28717**	1257
chr17	34597850	34600937	Ager	**0.39153**	2183
chr9	120092133	120094906	Ccr8	**0.29454**	1200
chr1	3214482	3671498	Xkr4	**0.16951**	2171
chr11	82911253	82943406	Unc45b	**1.55393**	18626
chr14	70530821	70538324	Lgi3	**0.28312**	3174
chr2	50066429	50193569	Lypd6	**0.2325**	2999
chr6	142413431	142419740	B230216G23Rik	**0.19248**	1042
chrX	161717036	161779494	Rai2	**0.49756**	4398
chr3	63696234	63850991	Plch1	**0.37066**	8192
chr6	29433153	29461888	Flnc	**1.49937**	48436
chr11	113780790	114065951	Sdk2	**0.35098**	8169
chrX	106576509	106603679	Cysltr1	**0.51414**	5398
chr6	142085768	142186149	Slco1a6	**0.6628**	6550
chrX	8145427	8147963	Rbm3os	**0.1491**	392
chr6	39462378	39557834	Dennd2a	**0.60491**	9455
chr17	32950961	32965716	Cyp4f41-ps	**0.20376**	800
chr14	56042123	56044634	Mcpt2	**0.14611**	500
chr16	45656317	45693658	Tmprss7	**0.36859**	3358
chr8	69271080	69303375	D130040H23Rik	**0.37643**	2656
chr7	25669140	25675166	Tmem91	**0.16195**	500
chr7	141359178	141365110	B230206H07Rik	**0.18171**	1487
chr18	31931507	31958619	Lims2	**0.77385**	4091
chr7	30712209	30725534	Atp4a	**1.44158**	17767
chr15	74979812	74983430	Ly6i	**0.3474**	1075
chr7	44310264	44358353	Shank1	**0.43599**	11672
chr6	14713822	14755274	Ppp1r3a	**1.52179**	38187
chr2	93955810	93957100	Gm13889	**1.00792**	4586

chr11	104608000	104670471	Itgb3	**0.48112**	9799
chr7	4628040	4630482	Tmem86b	**0.48714**	2098
chr10	118920381	118927143	C230029M16	**0.18045**	1499
chr2	73563281	73580338	Chrna1	**0.42035**	6400
chr12	34984761	34986436	Prps1l1	**0.52837**	3121
chr11	70054124	70057895	Asgr1	**0.24308**	1100
chr9	66508776	66514593	Fbxl22	**0.46168**	5887
chr6	120773768	120793982	Slc25a18	**0.18681**	900
chr3	88822010	88832487	1500004A13Rik	**0.2632**	2934
chr8	105939551	105943402	Lcat	**0.18478**	887
chr14	118984985	119099434	Uggt2	**0.35065**	8050
chr19	4625841	4698668	Gm960	**0.29051**	2316
chr9	38752796	38756863	Olfr920	**0.19688**	1360
chr8	40551135	40634792	Mtmr7	**0.48017**	4180
chr13	95024105	95250304	Pde8b	**0.2154**	3741
chr9	77636732	77660122	Klhl31	**0.91597**	20199
chr19	30098441	30175441	Gldc	**0.2536**	3383
chrX	94636069	94638561	Gspt2	**0.36421**	3200
chr14	54650511	54655100	4930579G18Rik	**0.30667**	1498
chrX	7585571	7595243	Foxp3	**0.14774**	1599
chr4	142084305	142088101	Tmem51os1	**0.46134**	2847
chr2	74697763	74700208	Hoxd9	**0.83757**	6199
chr2	122028580	122028582	Eif3j1	**0.28374**	3
chr5	121819209	121819273	Mir7031	**0.20953**	48
chr7	28840611	28840620	Lgals6	**0.56748**	20
chr9	21067514	21067519	Raver1-fdx1l	**0.28374**	6
chr10	78445095	78445157	Mir6908	**0.17114**	38
chr15	34440506	34440507	Gm12191	**0.28374**	2
chr18	35554567	35554636	Mir1949	**0.5918**	146
chr8	75033686	75070121	Tom1	**0.28145**	2339
chr1	121509773	121528465	Htr5b	**0.22654**	1600
chr11	62778387	62789417	Zfp286	**0.2271**	2406
chr11	101877510	101894354	Meox1	**1.11774**	8698
chr12	38780258	38868215	Etv1	**0.45292**	6741
chr1	55405946	55754285	Plcl1	**0.38087**	8799
chr13	63289154	63297147	Gm16907	**0.34045**	3212
chr14	105427559	105437716	5430440P10Rik	**0.16756**	600
chr3	96606662	96629819	6330549D23Rik	**0.30561**	3046
chr3	59952309	59973594	Gm9696	**0.44096**	4740
chr19	23302609	23448322	Mamdc2	**0.53433**	6286
chr1	37754572	37865298	Tsga10	**0.16765**	2471
chr19	11407661	11427246	Ms4a4c	**0.36229**	2200
chr5	135106891	135138382	Mlxipl	**0.42332**	5444
chr7	140837221	140845689	C330022C24Rik	**0.4056**	1338
chr8	22974836	23150497	Ank1	**0.72308**	21725
chr2	14174524	14221993	Tmem236	**0.35673**	4599
chr13	21945094	21960485	Zfp184	**0.3674**	3500

chr5	25100975	25103007	2900005J15Rik	**0.15352**	1100
chr6	87778136	87779762	Gp9	**1.02265**	2923
chr7	117380979	117667630	Xylt1	**0.30943**	3348
chr5	8893721	8959226	Abcb4	**0.846**	12150
chr3	105925891	105932664	I830077J02Rik	**0.38276**	1438
chr1	170277324	170285662	Sh2d1b1	**0.26909**	1359
chr8	4209543	4217312	BC068157	**0.20869**	3395
chr11	3239902	3462990	Mir3470a	**0.88109**	118
chr17	49456022	49564337	Daam2	**0.72848**	15520
chr3	54156057	54318471	Trpc4	**0.28111**	4696
chr13	21753377	21753912	Hist1h2ak	**0.29856**	564
chr7	135648457	135652314	5830432E09Rik	**0.14572**	700
chr7	118381856	118443552	Syt17	**0.31146**	1775
chr2	79255426	79333114	Itga4	**0.34119**	11623
chr8	62057042	62123193	Anxa10	**0.13424**	880
chr18	70453140	70472453	4930503L19Rik	**0.334**	2665
chr14	56231401	56234656	Gzmc	**0.27341**	900
chr19	17432832	17837632	Pcsk5	**0.26953**	8878
chr10	103007847	103028777	Alx1	**0.70565**	6200
chr9	67759437	67760933	C2cd4b	**0.41153**	1929
chr19	5447698	5450351	Fosl1	**0.36112**	700
chr3	96555768	96566801	Gm15441	**0.18588**	699
chr7	33364343	33366319	Scgb2b20	**3.16151**	5794
chr15	4988762	5063773	C7	**0.25913**	2474
chr19	6012620	6018459	Gm10814	**0.31949**	1823
chr11	98982180	98983016	Gjd3	**0.63562**	1875
chr6	21985910	22255606	Cped1	**1.28227**	22135
chr2	164354313	164354383	Mir7678	**0.18783**	47
chr11	83116845	83122659	Slfn1	**0.5493**	3595
chr17	34845101	34845167	Mir6970	**0.41926**	99
chr4	127311420	127314039	Gja4	**1.04341**	6200
chr3	123006206	123034987	Myoz2	**0.88001**	3576
chr2	130295939	130370481	Ebf4	**0.30765**	2895
chrX	9885621	9998864	Sytl5	**0.31673**	7393
chr7	139972303	139978755	6430531B16Rik	**0.27348**	1119
chr1	98031123	98047793	B230216N24Rik	**0.15825**	657
chr18	60925632	60988152	Camk2a	**1.07168**	20237
chr4	3901158	3938405	Plag1	**0.12556**	2051
chr1	5913707	5917398	Npbwr1	**0.13833**	1800
chr7	4518308	4522443	Tnni3	**0.51996**	1510
chr5	65863569	65896700	Rhoh	**0.17734**	3100
chr13	23573760	23574190	Hist1h2bf	**0.45622**	693
chr3	83766321	83774314	Sfrp2	**4.45872**	31444
chrX	48108725	48136981	Xpnpep2	**0.29347**	3618
chr12	101082451	101088927	D130020L05Rik	**0.40012**	2998
chr8	54077532	54186454	Vegfc	**0.61846**	4100
chr12	98787775	98901484	Eml5	**0.28209**	8913

chr17	46254165	46257316	Lrrc73	**0.28702**	1400
chr11	114956278	114960417	Cd300c	**0.26236**	638
chr11	102041511	102055617	Cd300lg	**1.18741**	11433
chr9	121756842	121759943	E530011L22Rik	**0.34091**	3727
chr6	50207403	50261769	Dfna5	**0.27935**	2100
chr9	119102478	119147694	Dlec1	**0.21457**	3980
chr11	16934709	16951282	Eldr	**0.32239**	1960
chr3	15495754	15575065	Sirpb1b	**0.37933**	2000
chr2	126034658	126091185	Fgf7	**1.31644**	12397
chr2	3336168	3340997	Acbd7	**0.28321**	534
chr11	69554092	69560237	Efnb3	**0.18957**	2148
chr19	43956308	43986520	Cpn1	**0.14258**	900
chr2	148436651	148443535	Cd93	**0.89743**	20995
chr16	30307685	30310781	Gp5	**0.4**	3100
chr14	21733395	21748622	Dusp13	**0.79759**	5518
chr8	85324929	85381041	Mylk3	**0.2342**	2685
chr18	37447657	37451094	Pcdhb14	**0.2641**	3200
chr2	5898060	5942792	Dhtkd1	**0.28093**	3500
chr5	111418166	111457025	Mn1	**0.66212**	14300
chr11	120530727	120538984	Gcgr	**0.14327**	974
chr1	91801477	91848027	Twist2	**1.0597**	4900
chr18	60376029	60392629	Iigp1	**1.16203**	12790
chr18	4165832	4182236	Lyzl1	**0.13352**	400
chr15	11839896	11907371	Npr3	**0.5302**	13695
chr17	17887824	17893952	Fpr2	**0.6128**	2799
chr11	58994256	59136375	Obscn	**1.48133**	146358
chr14	69840407	70059918	Pebp4	**0.24046**	1100
chr18	37680458	37682839	Pcdhgb1	**0.45396**	3811
chr11	49057196	49064212	Tgtp2	**0.35266**	3500
chr7	99466004	99474020	Klhl35	**0.26165**	1800
chr7	4825552	4844696	Shisa7	**0.44401**	9400
chr2	164163619	164171113	Kcns1	**0.14647**	1400
chr18	62548911	62661388	Spink10	**0.31249**	1250
chr7	90426312	90428664	Ccdc89	**0.13264**	1100
chrX	75172715	75380041	F8	**0.13588**	3596
chr8	58911755	58914298	BC030500	**0.43613**	2467
chr7	44249855	44249938	Snord88c	**0.26009**	77
chr1	21001397	21079225	Tram2	**0.40907**	2004
chr16	78359860	78377181	Btg3	**0.34454**	85
chr5	137981521	137990232	Azgp1	**0.12956**	600
chr9	58652880	58741559	Rec114	**0.17837**	540
chr6	125145241	125161782	Iffo1	**0.53013**	5323
chr6	149408984	149563326	Bicd1	**0.3523**	11999
chr14	77156763	77721763	Enox1	**0.42561**	5235
chr17	34564295	34588543	Notch4	**0.49448**	11509
chr1	90766860	90843971	Col6a3	**1.83542**	70127
chr17	8988333	9008319	1700010I14Rik	**0.1813**	1200

chr11	55158468	55185077	Slc36a2	**0.30183**	2586
chrX	167304926	167330571	Tlr7	**0.73135**	10256
chr1	14168958	14310199	Eya1	**0.34634**	5300
chr10	127849928	127861176	Rdh19	**0.22786**	1517
chr5	31086106	31093527	Slc30a3	**0.15598**	1100
chr2	64912482	65022766	Grb14	**0.90164**	6241
chr4	138799247	138863469	Pla2g5	**0.32515**	2607
chr7	43472907	43490023	Iglon5	**0.27235**	2464
chr10	93963768	93963863	Mir331	**0.17143**	58
chr14	55824795	55833943	Nfatc4	**0.64104**	9080
chr5	123510460	123511329	B3gnt4	**0.13045**	400
chr15	76120254	76126556	BC024139	**0.3549**	2743
chr8	84701457	84704711	Lyl1	**0.69039**	4370
chr5	72300025	72504540	Corin	**0.72973**	12944
chr18	37972623	37998969	Arap3	**0.39994**	7751
chr11	4236785	4241026	Osm	**0.21857**	1469
chr4	86053915	86428382	Adamtsl1	**0.37651**	10402
chr19	34473784	34475135	Ch25h	**0.37776**	1800
chr7	143607685	143627845	Tnfrsf26	**0.1525**	1600
chr10	79617938	79637918	Shc2	**0.58325**	8134
chrX	96239926	96243642	F630028O10Rik	**0.3197**	3005
chr1	59256907	59352369	Cdk15	**0.23437**	1220
chr8	95806830	95821728	4930513N10Rik	**0.20062**	1890
chr2	9883142	9889540	9230102O04Rik	**0.33594**	753
chr8	3743395	3748984	Cd209a	**0.72541**	3794
chr11	68556186	68558245	Mfsd6l	**0.30302**	2200
chr11	49609679	49652739	Flt4	**0.77235**	15894
chr16	13715057	13730983	Pla2g10	**1.84086**	10400
chr6	124304651	124330527	Cd163	**0.52775**	8355
chrX	7673166	7681251	Magix	**0.32111**	3291
chr7	109798691	109865679	Scube2	**0.1864**	2340
chr2	144459280	144467794	Zfp133-ps	**0.16514**	628
chr15	77748613	77755229	Apol8	**0.21365**	1384
chr2	181390886	181459426	Zbtb46	**0.26382**	3100
chr18	37815079	37817983	Pcdhgc4	**0.18997**	1945
chr9	121937275	121947016	1700048O20Rik	**0.49132**	3200
chr5	112688876	112896362	Myo18b	**1.48033**	42155
chr5	24532697	24540448	Asb10	**1.19922**	9797
chr3	94464985	94473591	Riiad1	**0.56567**	1252
chr10	59403685	59421976	Pla2g12b	**0.73863**	2775
chr7	18176494	18181862	Igfl3	**0.29608**	600
chr17	27143971	27167764	Ip6k3	**0.63777**	5181
chr6	114397936	114483296	Hrh1	**0.29919**	4300
chr5	35041553	35048436	Hgfac	**0.25001**	1853
chr6	122626424	122630271	Dppa3	**0.13563**	391
chr2	77009906	77170635	Ccdc141	**0.35413**	7899
chr17	24719531	24719965	Snhg9	**0.13024**	84

chr10	22173875	22173901	Raet1b	**1.0719**	102
chr10	70440668	70557685	Fam13c	**0.57082**	4955
chr5	147957320	148316065	Mtus2	**0.21441**	5700
chr7	122219496	122222539	Chp2	**1.18802**	4903
chr11	120635712	120643670	Pycr1	**0.45618**	4685
chr7	126781483	126785548	Tbx6	**0.21094**	1275
chr11	108395297	108414396	Apoh	**0.16197**	677
chr13	23456993	23465901	Btn1a1	**0.13989**	1700
chr17	25242800	25256364	Baiap3	**0.2455**	3897
chr6	22288227	22298522	Wnt16	**0.25359**	1489
chr19	5495278	5510489	Snx32	**0.24866**	1446
chr4	156021645	156023824	Gm10560	**0.14877**	442
chr9	51056780	51077094	Layn	**0.52999**	3336
chr6	131219235	131247362	Klra2	**0.36107**	2400
chr7	120982509	121014787	4933427G17Rik	**0.34341**	2279
chr2	25490845	25493911	Lcn12	**0.35666**	900
chr11	62711486	62729093	Zfp287	**0.23734**	4200
chr8	69832704	69872292	Pbx4	**0.31028**	1473
chr4	129684500	129684571	Mir7016	**0.25221**	64
chr13	23745042	23745521	Hist1h3c	**0.17734**	300
chr15	75746843	75747922	Mafa	**0.57799**	2200
chr9	45318266	45322079	1700003G13Rik	**0.19411**	444
chr11	89300638	89302559	Nog	**0.4975**	3370
chr3	103966621	103968257	Phtf1os	**0.18135**	967
chrX	71963021	71972728	Prrg3	**0.39747**	8262
chr18	36763709	36766214	Dnd1	**0.28156**	1420
chr13	68597439	68614231	1700001L19Rik	**0.12555**	800
chr17	43801851	44039516	Rcan2	**0.69879**	9499
chr17	28066747	28080639	Tcp11	**0.29237**	2101
chr3	122895072	122899506	Fabp2	**0.14702**	500
chr15	83226722	83251774	A4galt	**0.65227**	5000
chr7	143021784	143053686	R74862	**0.22352**	3040
chr18	37341702	37345207	Pcdhb7	**0.60681**	7498
chr16	30021842	30039479	9030404E10Rik	**0.16428**	700
chr1	175632193	175660853	Kmo	**0.17129**	1508
chr19	36554639	36619417	Hectd2	**0.44172**	4742
chr12	85086814	85106431	Prox2	**0.28818**	2724
chrX	136224041	136226100	Tceal7	**0.70774**	2422
chr13	23427976	23431017	C230035I16Rik	**0.45067**	980
chr3	108458069	108536522	5330417C22Rik	**0.28314**	3319
chr7	139103638	139213274	Stk32c	**0.44051**	3400
chr7	143005046	143019485	Tspan32	**0.30705**	1976
chr1	133897194	133907999	Optc	**0.35478**	2592
chr7	44731482	44748391	Zfp473	**0.18351**	2600
chr11	101419187	101419253	Mir6929	**0.23292**	55
chr3	59318413	59344256	Igsf10	**0.80538**	23860
chr4	156246966	156255338	Samd11	**0.39952**	2833

chr15	84785376	84856129	Phf21b	**0.1579**	2074
chr5	69516670	69542647	Yipf7	**0.9001**	3867
chr19	6400583	6415216	Rasgrp2	**0.27701**	2141
chr17	23917458	23919441	Dcpp3	**0.23257**	500
chr2	122426477	122461130	Slc28a2	**0.253**	3481
chr11	48985329	48992246	Tgtp1	**0.18182**	1800
chr11	70224127	70229798	Bcl6b	**0.28283**	3415
chr10	4266329	4359471	Akap12	**0.53137**	11699
chr15	4020111	4027406	BC037032	**0.18693**	2767
chr17	34039437	34066242	Col11a2	**0.26886**	5311
chr5	24364819	24384180	Nos3	**0.63032**	8506
chr11	59542686	59566956	Nlrp3	**0.27196**	3854
chr4	116877402	116989105	Zswim5	**0.20667**	3931
chr14	34375504	34404286	Mmrn2	**1.34931**	18708
chr6	87104746	87113003	D6Ertd527e	**0.20385**	1600
chr18	10325179	10562941	Greb1l	**0.20833**	6183
chr11	108425266	108860615	Cep112	**0.25403**	3360
chr5	116040534	116083246	Tmem233	**1.67163**	4124
chr1	53806874	54195034	Hecw2	**0.20411**	8153
chr12	83213751	83487736	Dpf3	**0.26326**	3497
chr13	58392779	58392886	Mir7-1	**1.14284**	435
chr6	127149389	127212419	9330179D12Rik	**0.37243**	1961
chr6	67036599	67080652	E230016M11Rik	**0.16682**	896
chr6	128848044	128891124	BC035044	**0.19392**	1874
chr8	84148038	84172597	4930432K21Rik	**0.12515**	1100
chr16	91688898	91715755	Gm10785	**0.18167**	1059
chr6	48895255	48909187	Aoc1	**0.17765**	1800
chr7	44225437	44229617	Klk1	**0.80555**	2487
chr3	36475461	36475524	Mir7009	**0.26157**	59
chr3	154711133	154749012	Erich3	**0.19773**	1400
chr10	121641701	121693914	D930020B18Rik	**0.15433**	1864
chr4	149449702	149454968	Rbp7	**0.57321**	1200
chr6	7997808	8192617	Col28a1	**0.196**	2922
chr15	82370527	82380260	Cyp2d22	**0.60863**	5946
chr4	63832824	63861284	Tnfsf8	**0.15295**	1201
chr1	52008244	52107184	Stat4	**0.23596**	2479
chr9	21029373	21030531	Icam4	**0.28624**	915
chr12	26442743	26456452	Rsad2	**0.26657**	3556
chr3	49743296	49757316	Pcdh18	**0.26348**	4799
chr19	9985172	10001633	Best1	**0.32108**	2356
chr7	30121948	30135032	Zfp382	**0.19356**	1496
chr15	54745928	54753761	Nov	**1.00767**	8399
chr7	63444772	63759027	Otud7a	**0.26898**	3281
chr13	24582189	24733806	Fam65b	**0.33688**	8749
chr17	25877628	25880858	Wfikkn1	**0.26416**	2361
chr9	72958785	72973067	Dyx1c1	**0.13283**	926
chr11	50832031	50841552	Zfp879	**0.2588**	2200

chr14	52016865	52019787	Tmem253	**0.18043**	641
chr11	54303824	54361539	Acsl6	**0.47075**	5100
chrX	136200951	136203851	Tceal5	**0.56971**	2040
chrX	123103559	123143293	3110007F17Rik	**0.43671**	1416
chr18	60912240	60917768	Arsi	**0.27171**	1649
chr5	129794561	129794676	Snora15	**0.36446**	149
chr7	121083438	121163089	Otoa	**0.18825**	2421
chr4	120930137	120951701	Zfp69	**0.26406**	2200
chr1	46066738	46373550	Dnah7b	**0.14162**	6148
chr9	48654297	48835945	Zbtb16	**0.28363**	5112
chr18	37307455	37311173	Pcdhb4	**0.38147**	5000
chr11	102881244	102885168	Ccdc103	**0.1706**	1054
chr18	23310020	23659719	Dtna	**0.51508**	13419
chr12	44221356	44224380	Gm2027	**0.38129**	4065
chrX	139779681	139782353	Ripply1	**0.31341**	750
chr7	59982501	59983277	Snurf	**0.18259**	500
chr11	116216002	116220287	Cdk3-ps	**0.2386**	1200
chr10	82812123	82824242	1700028I16Rik	**0.26869**	1000
chr10	128085286	128085363	Mir677	**0.36013**	99
chr10	77897576	77902536	Lrrc3	**0.28407**	4300
chr5	98854439	98880960	Bmp3	**0.19147**	2100
chr13	23746734	23747223	Hist1h2bb	**0.21888**	378
chr12	73548483	73551986	2210039B01Rik	**0.30477**	1116
chr2	72745846	72813717	6430710C18Rik	**0.16925**	1227
chr19	60755987	60759914	Nanos1	**0.15892**	2200
chr9	95706629	95750358	Trpc1	**0.29203**	3100
chr17	48247729	48258847	Trem3	**0.27074**	1000
chr3	116562973	116583134	Lrrc39	**0.59777**	9533
chr1	164062076	164080785	Sell	**0.5022**	4108
chr2	83812728	83881358	Fam171b	**0.2926**	3500
chr7	107567433	107591365	Olfml1	**1.15874**	8041
chr9	44511787	44526421	Cxcr5	**0.13476**	1242
chr11	104550663	104587219	Myl4	**1.05141**	3272
chr6	113493639	113501931	Prrt3	**0.17724**	2400
chr11	69326258	69333041	Kcnab3	**0.30354**	2714
chr13	28460034	28885422	2610307P16Rik	**0.23715**	2270
chrX	136742957	136803361	BC065397	**0.19722**	2177
chr19	5891138	5894107	Tigd3	**0.14033**	1046
chr8	105131800	105150109	Ces4a	**0.30287**	2597
chr17	8293366	8311102	4930506C21Rik	**0.318**	956
chr19	7092011	7105729	Flrt1	**0.16486**	3406
chr11	120646031	120648337	Myadml2	**0.8824**	3452
chr6	137252299	137464633	Ptpro	**0.16352**	3889
chr9	62677855	62783979	Itga11	**0.44133**	7679
chr13	49504810	49532789	Ecm2	**1.11255**	14100
chr1	37946738	37957759	Lyg1	**0.28445**	800
chr2	28955481	29055066	1700101E01Rik	**0.33311**	1093

chr13	41649443	41656777	Gm5082	**0.22125**	1349
chr6	113392497	113414571	Ttll3	**0.17008**	1866
chr10	29453107	29535867	Rspo3	**0.73422**	6200
chr17	14978864	14991577	9030025P20Rik	**0.20504**	1532
chr8	93810838	93969388	Gnao1	**0.4099**	11170
chr2	25563115	25571316	Mamdc4	**0.22564**	3173
chr17	33638056	33645706	Pram1	**0.18094**	1475
chr7	3836810	3845051	Pira2	**0.18439**	451
chrX	56374586	56378470	6330419J24Rik	**0.17169**	1854
chr17	48264295	48275358	Treml4	**0.19512**	1200
chr6	87981683	87984180	Gm5577	**0.22432**	1125
chr15	76294434	76296896	Smpd5	**0.20987**	1216
chr2	71529445	71533980	Dlx1	**0.39829**	2420
chr1	86351170	86351285	Snora75	**0.30331**	124
chr17	25570811	25575043	2810468N07Rik	**0.16827**	800
chr1	59989068	60043087	Ica1l	**0.23026**	2962
chr10	70925096	71159634	Bicc1	**1.00704**	11006
chr4	21931326	22001461	Faxc	**0.28246**	9300
chr11	102576399	102579119	Gm11627	**0.29338**	700
chr12	40223364	40229183	Gm7008	**0.32195**	455
chr1	58278326	58379264	Aox2	**0.22433**	3776
chr19	20492715	20556410	E030003E18Rik	**0.86168**	3295
chr8	123117374	123135185	Cpne7	**0.12895**	1093
chr13	60895351	60897447	Ctla2b	**0.44707**	1333
chr2	73610660	73775346	Chn1	**0.1751**	2909
chr11	58183843	58190198	Gm12250	**0.34654**	3300
chr17	47687610	47691092	Tomm6os	**0.14991**	1054
chr11	106751226	106768794	Milr1	**0.2013**	1702
chr3	94413318	94431499	Tdrkh	**0.24626**	2300
chr12	20804392	20815779	1700030C10Rik	**0.30481**	1852
chr1	173331886	173333503	Ackr1	**2.45271**	10010
chr18	65698268	65751537	Oacyl	**0.22172**	2681
chrX	143802237	143827412	Capn6	**0.43803**	5485
chrX	75725458	75764699	4933407K13Rik	**0.21928**	2609
chr6	16833381	16898441	Tfec	**0.22329**	1400
chr9	88595325	88599243	9430037G07Rik	**0.28963**	3243
chr3	15371827	15426427	Sirpb1a	**0.30124**	1308
chr3	107438303	107458898	Kcnc4	**1.54781**	16436
chr11	50872723	50887443	Zfp454	**0.13773**	998
chrX	136981116	137038302	Slc25a53	**0.23941**	2749
chr1	152955101	153119261	Nmnat2	**0.41102**	6552
chr11	115462473	115474398	Slc16a5	**0.35261**	3753
chr14	23298694	24004205	Kcnma1	**0.35681**	9854
chr12	105453856	105493095	D430019H16Rik	**0.15688**	3199
chr16	36156811	36161948	Stfa2l1	**0.82243**	1200
chr17	43389466	43459557	Gpr116	**0.64447**	19386
chr18	61687935	61692537	Il17b	**0.16401**	400

chr4	140727355	140742643	Padi6	**0.31232**	2568
chr2	35751226	35979624	Ttll11	**0.28321**	3185
chr4	144418191	144438772	1700012P22Rik	**0.36197**	1240
chr1	87147655	87156356	Ecel1	**0.17652**	1857
chr11	61343400	61378075	Slc47a1	**0.5929**	5504
chr13	34652923	34666774	LOC101056149	**0.15708**	604
chr5	105014153	105053561	Gbp8	**0.17308**	1500
chr16	35155636	35304549	Adcy5	**0.38983**	6952
chr11	61022564	61073267	Kcnj12	**0.4007**	6900
chr18	63010213	63387183	Piezo2	**0.18325**	6926
chr9	21062393	21067093	Zglp1	**0.2593**	923
chr11	17051934	17079372	Cnrip1	**0.70446**	3821
chr2	43748824	44395953	Arhgap15	**0.23119**	4646
chr10	81704825	81881086	Zfp433	**0.20233**	3400
chr6	50566643	50594865	5430402O13Rik	**0.30797**	1093
chr13	49582747	49592609	Omd	**1.52954**	9439
chr5	30950066	30950248	Abhd1	**0.59694**	385
chr14	56059744	56062310	Mcpt4	**2.55079**	8900
chr6	143828425	144209568	Sox5	**0.34447**	8900
chr16	33016030	33056186	Iqcg	**0.12516**	1000
chr2	93029348	93033445	4631405J19Rik	**0.14475**	628
chr3	84593574	84597032	Tigd4	**0.23789**	2900
chr11	48946411	48979303	9930111J21Rik1	**0.21519**	1623
chr17	35064437	35065562	G6bos	**0.17056**	544
chr1	57359222	57377544	4930558J18Rik	**0.1698**	1228
chr2	116074548	116076096	2810405F15Rik	**0.16486**	900
chr1	33852052	33907621	Bend6	**0.23707**	1915
chr5	139406387	139416092	C130050O18Rik	**0.21655**	1531
chr5	98929773	99037079	Prkg2	**0.20066**	3321
chr8	105289924	105296098	Exoc3l	**0.23556**	2073
chr9	60713121	60738801	Larp6	**0.34422**	2800
chr6	124624625	124636085	C1s2	**0.15988**	1500
chr9	120304073	120474834	Myrip	**0.20259**	3400
chr2	91922189	91929804	Chrm4	**0.15516**	1500
chr5	138225904	138251875	Nxpe5	**0.29159**	2376
chr2	167690759	167697413	A530013C23Rik	**0.37721**	2942
chr8	94152607	94154148	Mt3	**0.25262**	479
chr7	34011919	34013942	Scgb2b27	**0.21329**	436
chr17	25274124	25275528	Gm17801	**0.18253**	808
chr7	114745766	114850380	Insc	**0.20648**	1689
chr14	26894604	26915257	Asb14	**0.85685**	6085
chrX	167242732	167263788	Tlr8	**0.37988**	4228
chr11	50602085	50807573	Adamts2	**1.27595**	32670
chr6	84008598	84211059	Dysf	**0.73906**	18410
chr4	143349750	143371028	Lrrc38	**0.17071**	1400
chr16	21891969	21931877	Map3k13	**0.203**	4800
chr5	33983474	33985006	Gm1673	**0.13228**	200

chr13	76384961	77031810	Mctp1	**0.55226**	8348
chr5	147330742	147400489	Flt3	**0.18626**	2400
chr7	110868258	110982461	Mrvi1	**0.51182**	11007
chr3	96282909	96293969	Fcgr1	**0.52013**	4746
chr11	58608206	58613492	2210407C18Rik	**0.83928**	2600
chr7	44253087	44257204	Acpt	**0.32526**	1465
chr2	104886324	104999656	Ccdc73	**0.21117**	2875
chr10	61297836	61304263	Prf1	**0.13814**	1000
chr6	129831154	129876672	Klra17	**0.19069**	791
chr1	74601455	74636893	Stk36	**0.22817**	4209
chr14	32785963	32817968	1810011H11Rik	**0.42378**	2200
chr5	139907943	139974724	Elfn1	**0.32555**	4399
chr18	32939041	33195767	Camk4	**0.25999**	11299
chr9	21032038	21039036	Icam5	**0.25919**	2724
chr10	75589381	75616968	Ggt5	**0.48696**	7100
chr19	28923064	28963919	4430402I18Rik	**0.26317**	1778
chrX	99821069	99846345	Tmem28	**0.2605**	1300
chr4	116589733	116597630	C530005A16Rik	**0.1614**	942
chr15	77698889	77719288	Apol7e	**0.14015**	1100
chr5	96373955	96784728	Fras1	**0.2193**	12249
chr3	141837136	142169228	Bmpr1b	**0.15517**	3051
chr9	21958899	21963576	Epor	**0.18616**	1200
chr13	62129890	62173936	Zfp808	**0.29158**	3200
chrX	73074345	73082507	Xlr4a	**0.14294**	600
chr19	42036038	42045110	Ankrd2	**0.61056**	2367
chrX	102066542	102071307	Rgag4	**0.16382**	2500
chr7	132315664	132318291	Gm10584	**0.21875**	1942
chr3	54755582	54801269	Smad9	**0.15822**	3000
chr4	63724603	63745113	Tnfsf15	**0.16553**	3400
chr7	99479563	99479707	Snord15b	**0.41289**	211
chr7	62417593	62420139	Mkrn3	**0.31192**	2800
chr2	181587900	181587968	Mir7006	**0.13981**	34
chr5	139369650	139369745	Mir339	**0.46403**	157
chr14	69029289	69041401	Stc1	**0.37145**	4900
chr3	96219916	96220353	Hist2h2ab	**0.18527**	286
chr6	55451978	55501455	Adcyap1r1	**0.29069**	6398
chr10	41914990	42018382	Armc2	**0.1377**	2361
chr5	113075839	113081584	Crybb3	**0.50534**	1350
chr2	26637847	26637985	Snora43	**0.3858**	189
chr12	80518990	80603896	Galnt16	**0.40476**	5592
chr6	65671611	65706930	Ndnf	**0.5209**	8599
chr4	124855243	124862171	Maneal	**0.34136**	3276
chr12	58264720	58269258	Clec14a	**0.79383**	12699
chr12	33111711	33147586	F730043M19Rik	**0.19227**	1051
chr14	51007751	51010758	Rnase10	**0.18746**	1100
chr19	57323197	57360899	B230217O12Rik	**0.22812**	1571
chr1	50927523	51187270	Tmeff2	**0.2472**	2909

chr15	68341208	68341289	Mir30d	**0.13841**	40
chr3	15948070	16006332	Gm5150	**0.21754**	700
chr11	116752167	116757883	BC018473	**0.2**	2300
chr16	11008898	11015184	Gm4262	**0.12871**	900
chr2	126320973	126491553	Atp8b4	**0.27214**	5303
chrX	135839034	135844730	Gprasp2	**0.23038**	3100
chr18	37400855	37403909	Pcdhb9	**1.25375**	13499
chr1	74738922	74748955	Prkag3	**0.36219**	3615
chr2	93642434	93681339	Alx4	**1.36231**	24981
chr17	10319919	10321141	B930003M22Rik	**0.3016**	1300
chr10	75316877	75334792	Adora2a	**0.16344**	1500
chr10	62804570	62880014	Tet1	**0.20546**	10197
chr19	43675178	43677170	BC037704	**0.28474**	2000
chr7	35493610	35537744	Tdrd12	**0.44688**	2553
chr6	51379710	51392791	Gm6559	**0.22746**	1358
chr7	109998377	110006646	1600010M07Rik	**0.50668**	1100
chr16	23146536	23157968	Adipoq	**3.45462**	15000
chr8	105518746	105523988	Hsd11b2	**0.35295**	2300
chr4	135895404	135920210	Cnr2	**0.22052**	3000
chr17	84078660	84089875	4933433H22Rik	**0.23584**	1487
chr18	67464849	67480581	Slmo1	**0.15712**	1200
chr14	30040467	30491156	Cacna1d	**0.16821**	5172
chr16	38902345	39027157	Igsf11	**0.14137**	1700
chr1	75375297	75432304	Speg	**0.54047**	22711
chr8	72646711	72714748	Nwd1	**0.17559**	4780
chr12	24665838	24681795	Cys1	**0.32676**	2081
chr3	59216271	59262831	P2ry12	**0.37609**	3099
chr11	50921786	50931635	Zfp354b	**0.20376**	1791
chr6	142564939	142571356	Kcnj8	**0.8411**	6486
chr7	45639977	45645768	Mamstr	**0.51513**	3956
chr1	156839023	156861079	Angptl1	**0.45896**	3544
chr8	104446719	104509887	Ccdc79	**0.23132**	2405
chr9	108826320	108852969	Celsr3	**0.17196**	6998
chr7	4690928	4715997	Brsk1	**0.21089**	1815
chr17	24719676	24719832	Snora78	**0.31988**	177
chr17	34238905	34245908	H2-Ob	**0.16525**	1555
chr14	123660140	123974079	Itgbl1	**2.45278**	20375
chr4	154026644	154042677	Ccdc27	**0.31655**	2325
chr13	22042478	22042949	Hist1h2ag	**0.18034**	300
chr8	84901928	84905295	Klf1	**0.2055**	1111
chr1	161987302	162478034	Dnm3	**0.18703**	4959
chr13	58004957	58102428	Klhl3	**0.20876**	1576
chr17	65637505	65642204	Txndc2	**0.14448**	967
chr18	37661945	37664365	Pcdhga1	**0.15236**	1300
chr19	42197971	42202252	Sfrp5	**0.46055**	3084
chr5	76840599	76873554	C530008M17Rik	**0.23135**	5573
chr17	31152752	31163052	LOC102631757	**0.12911**	668

chr11	116280939	116283938	Galr2	**0.22377**	1530
chr2	145701195	145753672	BC039771	**0.19674**	1445
chr3	8509527	8561604	Stmn2	**1.01201**	6791
chr17	49615172	49909847	Kif6	**0.12916**	1606
chr6	136828843	136840557	BC049715	**0.23758**	875
chr11	113619481	113625895	Sstr2	**0.44339**	2394
chr1	65105285	65123214	D630023F18Rik	**0.15841**	1489
chr2	167203196	167240537	Ptgis	**0.66438**	4100
chr13	21782915	21783397	Hist1h3i	**0.18975**	323
chr17	27091245	27091311	Mir7677	**0.17787**	42
chr1	156255296	156303606	Tdrd5	**0.37497**	4517
chr12	41451668	41486057	Lrrn3	**0.2257**	2800
chr10	127225695	127263363	Kif5a	**0.21675**	5352
chr8	24677234	24725825	Adam3	**0.64955**	6197
chr5	24319589	24351604	Kcnh2	**0.22489**	3684
chr7	30865404	30880342	Cd22	**0.2154**	3300
chr16	10170228	10174911	Rpl39l	**0.35247**	1000
chr16	42907645	43619123	Zbtb20	**0.21129**	2479
chr11	74619605	74641516	E130309D14Rik	**0.20518**	2894
chr2	163820834	163833147	Wisp2	**0.81557**	5102
chr11	99948475	99949551	Krtap9-5	**0.21076**	800
chr7	4504570	4515975	Tnnt1	**0.87747**	3176
chr1	171250422	171259922	Adamts4	**0.33828**	4379
chr6	54452883	54503768	Wipf3	**0.23616**	3499
chr9	77102084	77347870	Mlip	**0.95669**	4127
chr16	45224337	45252895	Btla	**0.19042**	2171
chr18	20247340	20283923	Dsg1c	**0.18748**	1969
chr5	37735519	37739820	Cytl1	**4.88766**	16778
chr19	10455371	10457447	Lrrc10b	**0.19125**	1400
chr11	30885358	30893725	Gpr75	**0.13158**	1355
chr9	52002061	52048705	Gm6981	**0.2129**	1100
chr2	165395450	165400394	Ocstamp	**0.20309**	1400
chr11	106377656	106382641	Icam2	**0.96874**	3899
chr8	84208672	84208758	Mir27a	**0.70446**	216
chr2	130801966	130804101	Gm14057	**0.25199**	1897
chr12	4862438	4874359	Mfsd2b	**0.1657**	1825
chr16	38396117	38433145	Pla1a	**1.00617**	7000
chr19	12599984	12627616	Gm4952	**0.15554**	882
chrX	104854952	104857267	Magee2	**0.20827**	1700
chr7	29170210	29173933	Ggn	**0.19903**	1861
chr14	104462325	104467999	Pou4f1	**0.23971**	3207
chr8	70895508	70895570	Mir7067	**0.31076**	69
chr12	76444497	76448698	Gm10451	**2.65311**	8350
chr14	15357516	15438987	Lrrc3b	**0.18791**	1100
chr1	157506796	157568424	Sec16b	**0.36575**	5994
chr11	107734780	107794464	Cacng4	**0.23068**	800
chr2	31887281	31946535	Lamc3	**0.7304**	15265

chr18	44661665	44676271	A930012L18Rik	**0.14954**	946
chr7	104218795	104235152	Trim6	**0.13345**	1800
chr3	146149833	146195511	Mcoln2	**0.29694**	2789
chr13	67729262	67756838	Zfp85os	**0.12766**	1276
chr3	87376387	87392133	Fcrl1	**0.50523**	3636
chr7	145300909	145309557	Mrgprf	**0.48799**	3450
chr11	62604530	62604586	Snord65	**0.66704**	134
chr13	48538179	48538272	Mirlet7a-1	**0.12678**	42
chr2	160311401	160327494	Gm826	**0.15467**	598
chr14	32659119	32685272	3425401B19Rik	**0.99194**	19392
chr15	102150575	102163436	Soat2	**0.29735**	2228
chr15	78537015	78544345	Sstr3	**0.13725**	1900
chr18	37435621	37438654	Pcdhb12	**0.53297**	5699
chr11	101330606	101339430	Aoc3	**0.59381**	9200
chr14	20702012	20703026	6230400D17Rik	**0.17779**	636
chr3	32817626	32935257	Usp13	**0.91449**	15103
chr2	76703984	76982547	Ttn	**0.64571**	237404
chr11	94408391	94474198	Cacna1g	**0.31887**	9241
chr9	22411577	22444679	9530077C05Rik	**0.15812**	1202
chr7	59969577	59974431	D7Ertd715e	**0.14077**	1088
chr6	91987110	92076005	Fgd5	**0.5807**	11506
chr5	35581227	35588618	4931431C16Rik	**0.17627**	1550
chr8	113698137	113848839	Adamts18	**0.28953**	4954
chr4	24973419	25009233	Gpr63	**0.24675**	2061
chr2	31806168	31810518	Qrfp	**0.30574**	3085
chr7	127017542	127021211	Prrt2	**0.1323**	1161
chr3	104944805	104961709	Wnt2b	**0.43216**	5442
chr4	150119344	150144168	Slc2a5	**0.14389**	1570
chr3	105973802	105987423	Ovgp1	**0.12721**	1132
chr10	79531029	79531090	Mir6909	**0.26086**	57
chr15	79609576	79658956	Fam227a	**0.13801**	2523
chr11	70639122	70642055	Gp1ba	**0.1518**	1460
chr1	86099037	86111970	Htr2b	**0.34194**	2497
chr8	123212858	123222045	Spata33	**0.2821**	515
chr17	45732864	45733844	1600014C23Rik	**0.38343**	700
chr6	86028681	86124409	Add2	**0.12687**	3700
chr11	68503019	68552698	Pik3r6	**0.20827**	2376
chr9	65398488	65414853	Rasl12	**0.36028**	4806
chr5	142702101	142722490	Slc29a4	**0.17295**	1700
chrX	85870273	85891499	5430427O19Rik	**0.31074**	4200
chr1	191894072	191903585	1700034H15Rik	**0.13079**	1795
chr5	87666208	87682577	Csn1s1	**0.17756**	898
chr11	120007316	120047145	Aatk	**0.27998**	5664
chr6	83034224	83052564	Loxl3	**0.35365**	4381
chr2	25575416	25580099	Gm996	**0.51145**	8443
chr2	121453482	121456764	Serinc4	**0.2415**	1075
chr14	31208312	31211711	Tnnc1	**0.31684**	785

chr5	16553495	16619439	Hgf	**0.49779**	4979
chr1	85246344	85270566	C130026I21Rik	**0.79651**	5533
chr17	48932582	49097590	Lrfn2	**0.35683**	3774
chr18	37320381	37323913	Pcdhb5	**0.257**	3200
chr6	48746197	48754200	Gimap5	**0.24825**	1700
chr2	25624667	25627974	Fcna	**0.28072**	1303
chr10	97607205	97613688	Kera	**5.3602**	36838
chr10	105574551	105583870	Gm15663	**0.22139**	2500
chr1	110889195	110977372	Cdh19	**0.16853**	1814
chr13	36725622	36734477	Nrn1	**0.66474**	3800
chr8	84946991	84956603	Rtbdn	**0.15496**	1042
chr4	126286794	126314330	Col8a2	**0.89511**	13663
chr4	121039566	121055325	Col9a2	**0.22133**	2142
chr16	32271609	32274779	Smco1	**0.71506**	3193
chr17	74426295	74459108	Nlrc4	**0.75201**	10172
chr16	19760234	19772753	B3gnt5	**0.33779**	5800
chr16	10420559	10447350	Tvp23a	**0.17764**	1758
chr13	31625816	31631406	Foxf2	**0.19608**	1635
chr5	112385445	112392213	Asphd2	**0.19667**	1100
chr7	43457497	43457569	Mir7051	**0.6802**	175
chr16	66655421	67620908	Cadm2	**0.16708**	5481
chr15	74709161	74710374	4933427E11Rik	**0.13813**	554
chr4	120697473	120747176	Kcnq4	**0.33333**	2951
chr2	157560078	157562525	Nnat	**0.33386**	1572
chr14	52209786	52209884	Snord8	**0.22355**	78
chr17	23972127	23975230	Prss30	**0.23178**	1200
chr1	55170160	55226782	Rftn2	**0.63934**	8283
chr5	116438722	116465487	Srrm4os	**0.16981**	1969
chr13	120300392	120308841	BC147527	**0.18836**	1100
chr4	125490831	125714173	Grik3	**0.15082**	4700
chr7	29158829	29168647	Spred3	**0.13292**	1900
chr13	33084103	33094380	Serpinb1b	**0.14864**	900
chr16	42248561	42340651	Gap43	**0.30489**	1398
chr2	118277098	118373419	Gpr176	**0.16686**	2300
chr7	142544609	142558598	Nctc1	**0.86227**	6400
chr2	180499976	180544979	Ntsr1	**0.14491**	2000
chr2	164698501	164702448	Spint4	**0.33927**	892
chr17	66666848	67354459	Ptprm	**0.40683**	7985
chr11	75164565	75170255	Hic1	**0.32208**	5099
chr17	14818672	14943124	Wdr27	**0.12536**	1219
chr10	40630011	40649931	Ddo	**0.22245**	2352
chr5	67607883	67613987	Shisa3	**0.21919**	2900
chr9	111561434	111690216	Stac	**0.24324**	2156
chr17	80944632	81001816	Tmem178	**0.23422**	1400
chr1	130670202	130681571	C4bp-ps1	**0.18816**	500
chr18	37496998	37501711	Pcdhb19	**0.20025**	3327
chr9	109816627	109826627	Spink8	**0.60216**	1441

chr11	6658621	6677475	Ramp3	**0.44276**	1768
chr3	155093434	155194278	Lrriq3	**0.22121**	2066
chr11	109354778	109363654	Gm11696	**0.16922**	1559
chr6	129532184	129532942	1700101I11Rik	**0.4486**	1200
chr17	56123085	56140343	Sema6b	**0.44526**	6241
chr11	67171027	67197517	Myh2	**0.80779**	17318
chr18	11042037	11052509	1010001N08Rik	**0.16283**	540
chr15	79041885	79043558	Galr3	**0.15763**	490
chr6	4903320	5165661	Ppp1r9a	**0.1442**	4852
chr10	40683282	40811083	Mettl24	**0.48249**	2600
chr15	91145871	91191807	Abcd2	**0.53214**	10390
chr2	85647363	85648319	Olfr1002	**0.77087**	2600
chr3	89831370	89858846	She	**0.32597**	6600
chr3	68064802	68572663	Schip1	**0.15686**	408
chr9	62858104	62875917	Calml4	**0.31112**	943
chr11	96265164	96265265	Mir196a-1	**0.19472**	70
chr2	104559184	104571429	4930500J02Rik	**0.24781**	1000
chr4	156053905	156053987	Mir429	**0.15383**	45
chr13	23551286	23551643	Hist1h4f	**0.29642**	374
chr18	37489465	37494503	Pcdhb18	**0.15766**	2800
chr16	29209695	29230530	Hrasls	**0.30175**	3100
chr3	122044460	122180061	Abca4	**0.24119**	6161
chr8	19247592	19250828	Defb5	**0.3594**	247
chr13	113662896	113663676	Hspb3	**0.87193**	2400
chr17	67630965	67632723	Lrrc30	**0.70975**	4400
chr16	17561885	17572012	P2rx6	**0.27757**	2295
chr9	49502146	49799069	Ncam1	**0.19703**	6365
chr6	123049962	123071555	Clec4b1	**0.25044**	692
chr13	56522508	56537786	Fbxl21	**0.27811**	1926
chr10	128632415	128645993	Ikzf4	**0.14258**	1799
chr6	47803590	47803652	Mir704	**0.38282**	85
chr10	106936164	107123664	Acss3	**0.53539**	5857
chr9	87702800	87731260	Tbx18	**0.8346**	13763
chr5	35502218	35525626	Cpz	**1.57682**	12076
chr10	42860512	42960782	Scml4	**0.21527**	3600
chr18	37674335	37676907	Pcdhga3	**0.1985**	1800
chr5	141241534	142213791	Sdk1	**0.16665**	5000
chr2	167538227	167542811	Snai1	**0.89219**	4987
chr9	113977202	114026751	Fbxl2	**0.19437**	2027
chr11	88098058	88100107	2210416O15Rik	**0.16772**	772
chrX	103493576	103506425	Jpx	**0.21558**	2875
chr11	82045712	82047523	Ccl7	**0.67472**	1900
chr14	70602184	70636048	Dmtn	**0.17507**	2813
chr11	103198944	103208548	1700023F06Rik	**0.1737**	734
chr8	95017692	95045249	Gpr97	**0.36055**	3098
chr6	82911885	82939750	Sema4f	**0.20372**	3600
chr2	109674700	109727043	Bdnf	**0.16355**	3700

chr19	34668406	34747111	Slc16a12	**0.16548**	2257
chr4	94739289	94874976	Tek	**0.91971**	15241
chr2	179442478	179899375	Cdh4	**0.16269**	3637
chr7	3424662	3434940	Cacng6	**1.19584**	3300
chr1	91351073	91362404	Klhl30	**0.7986**	8500
chr3	65109368	65378225	Kcnab1	**0.16326**	2000
chr3	82032004	82074711	Gucy1b3	**0.28076**	3200
chr8	79965851	80058008	Hhip	**0.39067**	12499
chr16	48872608	48874498	Retnlg	**0.46528**	997
chr3	84174638	84175193	Gm6525	**0.15922**	312
chr7	107748584	107758032	Cyb5r2	**0.21353**	1989
chr6	35267953	35308126	Slc13a4	**0.28788**	3476
chr2	84432860	84476775	Tfpi	**0.66356**	8840
chr6	39118473	39148312	4930599N23Rik	**0.33063**	691
chr3	135281221	135304425	Bdh2	**0.69808**	2881
chr6	87578592	87590701	Prokr1	**0.23785**	3400
chr11	3494272	3504821	Inpp5j	**0.13889**	1700
chr7	144175520	144422675	Shank2	**0.12994**	3219
chr1	158245269	158356260	Brinp2	**0.14529**	2100
chr17	24529054	24533747	Rab26	**0.2042**	1032
chr7	7212996	7278289	Vmn2r29	**0.20718**	2779
chr7	30818357	30823775	Ffar2	**0.24139**	2257
chr12	72211749	72409054	Rtn1	**0.15936**	2200
chr2	92599707	92615252	Chst1	**0.37028**	3500
chr6	129091816	129100903	Clec2e	**0.22477**	1799
chr11	34314822	34422640	Fam196b	**0.30424**	5759
chr6	21216109	21729805	Kcnd2	**0.19342**	3099
chr7	19276807	19280049	Ppm1n	**0.20876**	1200
chr11	68943154	68956858	Arhgef15	**0.56014**	8165
chr1	173334254	173367695	Cadm3	**1.09143**	15998
chr6	113596762	113600715	Fancd2os	**0.1333**	638
chr3	31149920	31164326	Cldn11	**0.34846**	2299
chr11	110025634	110095937	Abca8a	**0.60027**	11881
chr2	68104672	68122882	B3galt1	**0.28787**	5298
chr8	105348258	105369881	Slc9a5	**0.15681**	2886
chr4	62525369	62547993	4933430I17Rik	**0.1986**	1248
chr7	45783947	45804142	Lmtk3	**0.18687**	3312
chr14	63971122	63987780	4930578I06Rik	**0.17881**	651
chr13	116298270	116309688	Isl1	**0.49402**	4398
chr11	75513541	75526580	Scarf1	**0.37966**	3859
chr10	26981285	27616942	Lama2	**0.59812**	20475
chr9	54286486	54341777	Gldn	**0.52402**	8586
chr11	114790669	114795892	Btbd17	**0.1381**	1100
chr2	130543791	130563749	4930473A02Rik	**0.14605**	577
chr2	119519404	119547627	Exd1	**0.29042**	3217
chr1	150562502	150993435	Hmcn1	**0.20702**	13362
chr12	4746216	4769267	Fam228b	**0.16655**	1694

chr5	118190736	118245025	Rnft2	**0.19643**	3100
chr15	7206120	7398390	Egflam	**0.72856**	12551
chr7	81057600	81105612	Alpk3	**0.90686**	20356
chr13	18948351	19150919	Amph	**0.16748**	1900
chr7	26307192	26315088	Cyp2a4	**0.47152**	2850
chr15	89499857	89560260	Shank3	**0.27857**	7000
chr18	61045150	61085067	Pdgfrb	**1.19744**	22844
chrX	168795099	169304440	Arhgap6	**0.27471**	6056
chr4	109017655	109017730	Mir761	**0.36961**	99
chr1	44009408	44020006	Mettl21c	**0.1842**	705
chr11	87578389	87590539	Sept4	**0.49742**	3252
chr18	46558231	46574533	Ticam2	**0.19994**	2300
chr17	24685092	24689949	Syngr3	**0.15932**	1100
chr5	129584214	129608211	Mmp17	**0.2765**	3400
chr15	94270163	94404350	Adamts20	**0.15429**	4770
chr17	12419974	12507704	Slc22a3	**0.18651**	2300
chr16	23058300	23082078	Kng1	**0.30854**	2563
chr10	3540279	3554877	Iyd	**0.19935**	1082
chrX	23219271	23365082	Klhl13	**0.45912**	5699
chr12	100187968	100193538	Gm10433	**0.15747**	1100
chr17	17876471	17883939	Fpr1	**0.23591**	1100
chr5	21884454	22344705	Reln	**0.31277**	12895
chr4	101717407	101815354	Lepr	**0.80169**	18744
chr17	80371857	80372991	Gm10190	**0.17499**	700
chr15	98286122	98296083	Zfp641	**0.2781**	3600
chr17	15009840	15022449	Gm3435	**0.16094**	1000
chr2	91237146	91238357	A330069E16Rik	**0.31746**	998
chr11	44618100	45008096	Ebf1	**0.42734**	8020
chr18	65873479	65886596	Grp	**0.19022**	600
chr8	41191434	41215156	Fgl1	**0.30401**	1200
chr13	97067287	97129426	Fam169a	**0.18878**	2990
chr3	108093066	108101430	Gnat2	**0.19182**	1200
chr7	19086828	19086892	Mir3100	**0.32739**	75
chr10	24910664	24910733	Mir6905	**0.26347**	65
chr14	37034909	37049014	Rgr	**0.12527**	1894
chr17	36923792	36933432	1700031A10Rik	**0.21756**	503
chr12	103196908	103242146	Prima1	**0.17244**	550
chr15	55099917	55113582	Gm9920	**0.18374**	441
chr5	88887260	89239656	Slc4a4	**0.35979**	9500
chr15	85814676	85821733	Pkdrej	**0.18493**	4600
chr2	26271647	26294557	4932418E24Rik	**0.13524**	1500
chr17	75435905	75529053	Rasgrp3	**0.44768**	7780
chrX	114474333	114561129	Klhl4	**0.42378**	5801
chr11	6211011	6230245	Npc1l1	**0.16797**	2706
chr17	30626936	30875264	Dnah8	**0.13412**	6893
chr4	131899478	131920029	Gm12992	**0.31289**	4766
chr13	78188973	78198982	Nr2f1	**0.14753**	1211

chr15	26540459	26895564	Fbxl7	**0.14752**	2400
chr18	36684923	36695925	E230025N22Rik	**0.22885**	1626
chr6	118587240	119196409	Cacna1c	**0.18609**	9684
chr16	33518329	33664135	Slc12a8	**0.59572**	6813
chr2	152143609	152149096	Tcf15	**0.15238**	500
chr19	8664005	8683602	Chrm1	**0.13993**	3100
chr11	114765389	114790575	Kif19a	**0.13224**	1600
chr1	82450723	82586849	Col4a4	**0.14641**	4029
chr9	43108653	43116570	Tmem136	**0.20259**	2499
chrX	56346400	56365674	Zfp449	**0.31122**	4100
chr5	112419151	112577198	Sez6l	**0.16967**	3634
chr5	75933270	75978428	Kdr	**0.77975**	14980
chr6	122605403	122610071	Gdf3	**0.53815**	4000
chr10	86705811	86776843	BC030307	**0.19953**	3417
chr19	8850785	8853909	Lrrn4cl	**1.31917**	12009
chr4	155384979	155398069	Gabrd	**0.24131**	1598
chr1	106152625	106171524	Gm20753	**0.18638**	358
chr17	34670535	34719815	Tnxb	**0.91008**	30692
chr1	167598362	167639623	Rxrg	**0.56436**	4700
chr3	81996922	82021233	Asic5	**0.13151**	768
chr6	58905233	58907126	Nap1l5	**0.13483**	900
chr11	97840780	97843043	B230217C12Rik	**0.23864**	1000
chr15	73694607	73707505	Gpr20	**0.34457**	2600
chr14	60768134	60780869	C1qtnf9	**0.64859**	4350
chr19	58795751	58860984	Hspa12a	**0.27607**	5578
chr18	13687014	13972733	Zfp521	**0.53357**	11567
chr14	63182445	63193525	Neil2	**0.2446**	1650
chr14	54476100	54480434	Rem2	**0.26945**	1792
chr2	21180731	21205365	Enkur	**0.23665**	1000
chr2	147364994	147375048	Pax1	**0.37646**	3500
chr3	141465564	141834924	Unc5c	**0.12739**	4200
chr13	60205471	60216018	Gm5084	**0.33066**	4200
chr1	164115264	164150026	Selp	**1.02279**	10814
chr16	96361757	96422121	Igsf5	**0.25795**	2070
chr3	75557533	75642523	Serpini1	**0.16302**	1800
chr7	127107770	127122029	Qprt	**0.18963**	800
chr13	3478303	3492398	2810429I04Rik	**0.20953**	432
chr4	14930641	14947545	Gm11837	**0.16697**	286
chrX	60548008	60549216	Gm715	**0.42244**	1800
chr12	40176386	40199315	Lsmem1	**0.47017**	2010
chr18	59175340	59411336	Chsy3	**0.13156**	1800
chr16	44820728	44839150	Cd200r4	**0.31528**	1889
chr16	78250863	78255454	E330011O21Rik	**0.26219**	876
chr14	65666403	65764826	Scara5	**1.33144**	26259
chr8	84173733	84176552	Nanos3	**0.27208**	700
chr18	37720554	37722917	Pcdhgb4	**0.32407**	2700
chr1	134193448	134198560	Mybph	**1.67472**	6888

chr6	91761510	91807393	Grip2	**0.14347**	2600
chr6	139715859	139969283	Pik3c2g	**0.13398**	2200
chr12	102948859	103183997	Unc79	**0.12613**	3943
chr16	85858157	85901125	Adamts5	**0.65452**	18694
chr3	95985510	95986967	Gm9054	**0.16053**	400
chr3	132842202	132878596	LOC101243624	**0.15072**	886
chr7	26808927	26821197	Cyp2g1	**8.24483**	53844
chr19	24674008	24678260	Tmem252	**0.43323**	1620
chr11	28385684	28584324	Ccdc85a	**0.23905**	4600
chr8	120204434	120228230	A330074K22Rik	**0.1425**	1250
chr13	23544052	23544954	Hist1h3f	**0.24132**	768
chr9	27791269	28925048	Opcml	**0.17118**	3615
chrX	95470199	95478129	Asb12	**0.65553**	2911
chr3	55782510	55785287	Mab21l1	**0.31663**	3100
chr9	18323021	18385928	Naalad2	**0.50324**	4771
chr1	74542889	74565127	Plcd4	**0.2385**	2293
chr15	98893027	98898540	Dhh	**0.26744**	2231
chr17	81373105	81738387	Slc8a1	**0.13768**	9080
chr8	84001706	84004770	1700067K01Rik	**0.1259**	481
chr9	81863744	82027491	Mei4	**0.38923**	4199
chr9	54917290	54949924	Hykk	**0.15007**	2699
chr7	32325286	32327245	Scgb2b12	**1.94342**	3500
chr11	32522733	32527574	Efcab9	**0.14427**	390
chr14	60378286	60381003	Amer2	**0.22348**	1843
chr11	110100822	110168153	Abca9	**0.41493**	9166
chr9	108578826	108597600	P4htm	**0.27245**	1738
chr17	48316162	48326511	B430306N03Rik	**0.23334**	2847
chr16	56724609	56795858	Gpr128	**0.35717**	3400
chr10	88091072	88091385	Pmch	**0.18073**	200
chr7	6705960	6730419	Peg3	**0.23334**	4736
chr14	31217873	31229511	Sema3g	**0.66855**	8685
chr15	88913898	88954418	Ttll8	**0.13272**	1392
chr18	37442517	37446209	Pcdhb13	**0.1562**	2033
chr4	152478142	152563184	Nphp4	**0.14108**	2500
chr15	75596658	75598213	Gpihbp1	**0.53401**	1500
chr2	172979842	172993576	Spo11	**0.19547**	1209
chr8	24584133	24596952	Ido1	**0.16662**	1040
chr11	7063489	7178505	Adcy1	**0.1412**	6100
chr16	95359169	95586593	Erg	**0.88405**	10799
chr5	44472133	44799746	Ldb2	**0.79749**	7496
chr9	90162978	90200102	Adamts7	**0.16453**	3100
chr19	30564487	31765033	Prkg1	**0.34773**	9042
chr4	21846327	21848448	4930528A17Rik	**0.13833**	763
chr15	74819076	74824436	Hemt1	**0.17667**	500
chr2	52038113	52056681	Tnfaip6	**0.92034**	5193
chr3	114030540	114220326	Col11a1	**0.81362**	20861
chr9	41206155	41217627	1700063D05Rik	**0.18969**	474

chr2	165405295	165473197	Slc13a3	**0.18482**	2100
chr9	120013755	120023598	Xirp1	**0.49993**	10288
chr4	82065380	82102807	Gm5860	**0.28953**	1100
chr12	72069618	72070991	Gpr135	**0.1396**	676
chr4	88760774	88761584	Gm13283	**0.13995**	400
chr14	55769092	55784019	Adcy4	**0.4895**	5857
chr6	128483567	128526720	Pzp	**0.1256**	1938
chr17	25366333	25368092	Tpsb2	**1.6109**	6177
chr3	66973266	66981771	Shox2	**0.62102**	3491
chr17	28351519	28365143	Tulp1	**0.37092**	2625
chr2	134786164	135475258	Plcb1	**0.24718**	6199
chr9	121898355	121911071	Ackr2	**0.16957**	1800
chr2	85136360	85139923	Aplnr	**0.46964**	5899
chr11	117077348	117077457	Mir6516	**0.6655**	258
chr8	25302650	25306270	5430421F17Rik	**0.16072**	1300
chr8	104534700	104550343	Car7	**0.20681**	1570
chr2	181220016	181222851	BC051628	**0.14382**	700
chr2	45111138	45114084	Zeb2os	**0.43787**	1625
chr15	102445367	102454639	Amhr2	**0.44856**	3078
chr1	150449412	150466165	Prg4	**0.28987**	4162
chr1	156310735	156328035	Nphs2	**0.25982**	2846
chr1	190947646	190979296	Vash2	**0.14167**	2092
chr6	77242717	77245517	Lrrtm1	**0.3713**	3299
chr7	105752989	105787550	Dchs1	**0.24239**	9099
chr7	100882306	100882409	Mir3102	**0.1446**	53
chr4	144519822	144529353	9430007A20Rik	**0.29887**	1481
chr12	104146907	104153872	Serpina3c	**0.38615**	2300
chr10	79970724	79977119	Grin3b	**0.27798**	3138
chr5	144545887	144557478	Nptx2	**0.32256**	2900
chr4	89274473	89294619	Cdkn2a	**1.40046**	5607
chr7	4772378	4782857	Il11	**0.12695**	898
chr8	93256236	93279736	Ces1f	**0.26433**	1784
chr8	72470016	72470089	Mir7068	**0.4026**	105
chr5	116439273	116591817	Srrm4	**0.18387**	4800
chr10	60399726	60403558	Gm17455	**0.16554**	500
chr1	166098148	166127898	Dusp27	**0.31726**	4496
chr12	84052151	84059564	Acot3	**0.37117**	3392
chr17	24804382	24839787	Meiob	**0.24992**	1500
chr8	64014770	64205993	Tll1	**0.31293**	5435
chr5	95956939	95961068	Cxcl13	**2.32339**	9515
chr3	82092427	82145877	Gucy1a3	**0.28008**	4594
chr11	3309084	3320722	Gm11944	**0.18615**	515
chr5	34660379	34755303	Grk4	**0.15761**	2574
chr15	99099484	99104707	Dnajc22	**0.9601**	4947
chr13	100211740	100247336	Naip5	**0.14755**	2752
chr6	118066385	118091546	Rasgef1a	**0.13152**	1500
chr1	10993465	11303682	Prex2	**0.22046**	8692

chr1	40429570	40465414	Il1rl1	**0.20309**	5079
chr1	170907273	170912941	Fcrlb	**0.15469**	700
chr13	20794113	21024254	Aoah	**0.30935**	3479
chr3	97930173	97967018	Gm5544	**0.19107**	600
chr10	29211643	29230779	9330159F19Rik	**0.24548**	4883
chr18	37421418	37425032	Pcdhb11	**0.18053**	2300
chr17	31677931	31681730	Cryaa	**0.28469**	1200
chr5	30647936	30647938	Mir5625	**0.4729**	5
chr9	79815562	79977882	Filip1	**0.4856**	7200
chr4	119422684	119453899	Zmynd12	**0.14178**	752
chr5	135248938	135251047	Fzd9	**0.28239**	2100
chr7	17203477	17215756	Psg29	**0.31289**	6000
chrX	37265375	37395620	Rhox4a	**0.16033**	1003
chr10	61838498	61979108	Col13a1	**0.16741**	1711
chr5	13396784	13603485	Sema3a	**0.32283**	8292
chr6	100704734	100805081	Gxylt2	**0.47813**	3077
chr8	124556587	124569707	Agt	**0.24686**	1600
chr7	93079879	93081721	Fam181b	**0.23106**	1500
chr8	84021474	84030285	Palm3	**0.18544**	1594
chr10	41568016	41576476	5730435O14Rik	**0.17245**	375
chr8	69880366	69887392	Cilp2	**0.16226**	2300
chrX	53777118	53797706	Xlr	**0.1452**	1176
chr8	46010602	46029476	Lrp2bp	**0.30689**	3699
chr9	75565622	75611325	Tmod2	**0.307**	11099
chrX	104077435	104201117	C77370	**0.37591**	14429
chrX	109196756	109200445	Gm6377	**0.13159**	1299
chr10	43002500	43174530	Sobp	**0.39097**	6862
chr4	63362449	63365877	Orm2	**0.14664**	400
chr2	58267453	58357758	Acvr1c	**0.20505**	6418
chr7	24970010	24970075	Mir7046	**0.42991**	100
chr7	82259908	82307420	Sh3gl3	**0.28824**	1600
chr7	4237754	4243463	Lilra5	**0.13413**	997
chr18	35647265	35649367	Mzb1	**0.27184**	868
chr10	18588011	18743758	D10Bwg1379e	**0.17533**	5077
chr12	105604091	105605428	Bdkrb1	**0.17241**	813
chrX	136993155	136996923	Zcchc18	**0.23496**	2365
chr7	68236608	68264233	Pgpep1l	**0.2674**	900
chr18	66056856	66291838	Ccbe1	**0.18778**	3800
chr18	6934966	7004779	Mkx	**0.28649**	3232
chr14	34220046	34230421	Syt15	**0.5493**	8100
chrX	134686519	134697772	Armcx4	**0.23931**	7600
chr5	130874951	131307522	Wbscr17	**0.4062**	6007
chr10	97644068	97681413	Epyc	**2.13011**	9279
chr11	84957754	84966054	Car4	**0.15016**	688
chr2	156714539	156720909	4930405A21Rik	**0.22157**	777
chr5	87513339	87538195	Sult1b1	**0.25574**	2347
chr10	70558733	70599291	Phyhipl	**0.12734**	881

chr10	33987216	33995055	A830082N09Rik	**0.12555**	3469
chr3	37348653	37404830	Fgf2	**0.32701**	801
chr6	85076141	85077126	Npm3-ps1	**0.14388**	500
chr11	95858817	95861046	4833417C18Rik	**0.12907**	600
chr2	160906438	160912339	Emilin3	**0.18772**	2354
chr3	59861051	59877313	Gm8298	**0.13858**	589
chr18	78100091	78142119	Slc14a1	**0.19105**	2690
chr11	97332109	97352073	Gpr179	**0.12847**	4200
chr12	9574442	9581500	Osr1	**0.19739**	1399
chr3	122882592	122924116	4933405D12Rik	**0.14076**	381
chr12	37108546	37179528	Meox2	**0.49546**	4100
chr9	103482936	103761837	Tmem108	**0.16139**	2100
chr19	34617051	34640743	2010002M12Rik	**0.15093**	1790
chr8	27225776	27229588	Adrb3	**0.15228**	1500
chr3	94433388	94436651	Oaz3	**0.15428**	516
chr3	130180845	130599883	Col25a1	**0.25598**	6749
chrX	47809370	47892552	Smarca1	**0.15128**	2162
chr19	12674179	12675243	Olfr1442	**0.23072**	866
chr5	43515569	43616586	C1qtnf7	**0.75161**	4482
chrX	56136572	56153496	3830403N18Rik	**0.24452**	879
chr9	110722085	110747145	Pth1r	**0.53745**	5154
chr10	83722865	83762762	1500009L16Rik	**0.15256**	642
chr12	17172100	17176888	Kcnf1	**0.18959**	3200
chr3	151437882	151545081	Eltd1	**0.53804**	7786
chr9	92275602	92297752	Plscr2	**0.28778**	1922
chr14	32856756	32939489	Vstm4	**0.24619**	2380
chr9	79793641	79803235	4930429F24Rik	**0.47097**	2523
chr12	109452823	109463336	Dlk1	**0.2713**	4600
chr2	154544405	154558853	Necab3	**0.15911**	1015
chr4	132219893	132220589	Rps15a-ps4	**0.12783**	314
chr7	46396468	46438704	Kcnc1	**0.23999**	7959
chr2	170482965	170497138	Cyp24a1	**0.13679**	1549
chr18	77185847	77255450	St8sia5	**0.20238**	1500
chr6	127887622	127953031	Tspan11	**0.85722**	12716
chr15	41865293	41869720	Abra	**1.18617**	7366
chrX	79330513	79358068	Gm8787	**0.14289**	700
chr4	63215412	63334990	Col27a1	**0.14287**	3844
chr8	18690263	18741562	Angpt2	**0.27633**	3467
chr7	125878419	126082411	Gsg1l	**0.40782**	5640
chr11	43774605	43901237	Adra1b	**0.22273**	2800
chr7	62461871	62464510	Peg12	**0.13972**	1300
chr14	55941451	55944661	Cma1	**1.69795**	6439
chr1	167001417	167091302	Fam78b	**0.12625**	2077
chr2	119325784	119335666	Dll4	**0.30208**	3443
chrX	101849385	102092055	Nhsl2	**0.22531**	10300
chr15	39198286	39684372	Rims2	**0.18868**	5280
chr6	72629288	72637717	Gm15401	**0.22522**	1147

chr2	51656966	51732009	Gm13490	**0.12956**	1100
chr11	102799478	102819686	Gjc1	**0.27339**	2800
chr6	42286685	42314656	Clcn1	**0.76382**	9543
chr19	11536849	11558466	Ms4a4d	**0.81827**	4222
chr7	140846048	140846769	Scgb1c1	**0.28374**	370
chr14	21676572	21714576	Dupd1	**0.28297**	1100
chr8	119446719	119472635	Necab2	**0.22385**	1555
chr3	126921607	126998452	Ank2	**0.2472**	6575
chr13	23763668	23764412	Hist1h1a	**0.19043**	500
chr2	34983331	35061441	Hc	**0.44712**	8585
chr16	20733127	20742384	Chrd	**0.35835**	4025
chr18	58008623	58209926	Fbn2	**0.24936**	9210
chr11	61140835	61147642	Tnfrsf13b	**0.1937**	512
chrX	75572045	75578231	Rab39b	**0.15013**	1800
chr12	116077726	116146261	Vipr2	**0.45767**	5460
chr14	59244441	59260216	Gm6904	**0.15482**	490
chr3	117319146	117360876	Lppr4	**0.18948**	3799
chr6	55090049	55133016	Crhr2	**0.54858**	5688
chr2	119321199	119325329	Gm14207	**0.17911**	481
chr2	121289602	121310560	Map1a	**0.20349**	8348
chr17	67697265	67822645	Lama1	**0.1907**	6397
chr10	116301374	116389538	Ptprb	**0.63334**	26589
chr7	45126347	45126435	Snord35a	**0.75239**	236
chr7	4925844	4944797	Ssc5d	**0.34875**	5236
chr1	133327212	133329722	Kiss1	**0.22882**	400
chr11	120549975	120551132	Ppp1r27	**0.65901**	1800
chr18	59062381	59076960	A730017C20Rik	**0.15817**	1082
chr7	43351341	43359470	Siglecf	**0.26339**	2330
chr16	20724454	20734486	Thpo	**0.14476**	1203
chr10	102481756	102490418	Nts	**0.14427**	600
chr7	73310380	73313593	LOC100505025	**0.15356**	854
chr2	152627008	152635191	Rem1	**0.17311**	978
chr9	39587396	39604124	AW551984	**0.32747**	5100
chr13	97434970	97497664	Lincenc1	**0.27958**	3492
chr2	25676786	25681607	Lcn6	**0.19981**	569
chr8	4102793	4105764	Cd209f	**0.82154**	3211
chr5	129096750	129204599	Gpr133	**0.56171**	10221
chr8	122848374	122867397	Cdh15	**0.16966**	1700
chr11	100713850	100714575	Hspb9	**0.24778**	634
chr7	19212538	19224176	Gpr4	**0.17709**	1800
chr6	90308351	90325185	Chst13	**0.18905**	1100
chr16	87553330	87595336	Map3k7cl	**0.49809**	2900
chr15	3280627	3303526	Ccdc152	**0.37832**	1064
chr4	147175866	147513420	Gm13152	**0.24856**	1088
chr12	104387164	104394257	Serpina3m	**0.13682**	800
chr13	118714699	118792573	Fgf10	**0.37236**	6000
chr11	82719248	82764321	Cct6b	**0.17224**	1137

chr13	104947153	105054930	Rgs7bp	**0.15122**	3106
chr7	31375592	31376916	Scgb1b3	**5.5529**	8200
chr16	36966073	36979136	Fbxo40	**0.97506**	8653
chr7	47463807	47489582	Mrgpra2b	**0.20267**	900
chr14	32029103	32058326	Galnt15	**0.6362**	5249
chr10	127866476	127877319	BC089597	**0.15701**	700
chr16	78930948	78951728	Chodl	**0.40374**	3600
chr12	81197915	81333180	Slc8a3	**0.44403**	7931
chr17	74017706	74047916	Srd5a2	**0.17576**	529
chr15	77584158	77596125	Apol10b	**0.25717**	1800
chr7	87246649	87398708	Nox4	**0.33678**	4591
chr3	133159531	133234889	Arhgef38	**0.14083**	948
chr3	20215616	20242181	Cpa3	**0.95628**	4897
chr7	142892776	142899966	Th	**0.54229**	3358
chr8	72761880	72763885	F2rl3	**0.12883**	800
chr18	46464934	46465816	Mospd4	**0.1928**	600
chr9	114330135	114330578	Bcl2a1c	**0.12781**	200
chr11	102619507	102624416	2810433D01Rik	**0.20291**	954
chr17	57080066	57087782	Tubb4a	**0.28017**	2200
chr1	160085032	160153575	Tnn	**0.47966**	9820
chr9	110763681	110769794	Myl3	**0.21928**	694
chr14	8296278	8309776	Fam107a	**0.16245**	1800
chr16	23451785	23520590	Masp1	**0.68615**	6655
chr8	13235662	13254162	Adprhl1	**0.3118**	1500
chr11	71750703	71789646	Wscd1	**0.1969**	1900
chr2	131050817	131063814	Adam33	**0.14649**	1634
chr17	55954771	55959401	Gm16712	**0.12703**	732
chr4	108181934	108217922	Zyg11a	**0.15817**	1276
chr13	112522807	112580662	Il31ra	**0.20112**	2600
chr7	16891786	16895435	Gng8	**0.21589**	700
chr2	74691891	74695106	Hoxd10	**0.13804**	900
chr2	121363738	121380940	Strc	**0.19006**	3849
chr10	5593728	5606791	Myct1	**0.37777**	3700
chr1	174833785	174921819	Grem2	**0.24866**	3282
chr7	79117027	79131018	Hapln3	**0.30413**	1536
chr9	48591890	48605077	Nnmt	**1.1299**	3799
chr17	6601671	6648946	Dynlt1f	**0.39771**	670
chr7	3336585	3366948	Cacng7	**0.70935**	2070
chr7	79721164	79732776	Plin1	**0.78769**	5319
chr13	57421195	57908332	Spock1	**0.13007**	3059
chr1	151442393	151442450	Mir7682	**0.28374**	58
chr11	94235952	94242579	Wfikkn2	**0.19239**	2300
chr1	164048234	164057677	Sele	**0.44295**	4546
chr11	99907920	99908890	Krtap31-1	**0.49676**	1700
chr13	91880407	91988042	Rasgrf2	**0.19424**	4000
chr4	65380803	66404483	Astn2	**0.13861**	2360
chr12	52699383	53151015	Akap6	**0.24329**	8800

chr19	8775291	8776962	Gm2518	**0.15042**	818
chr2	27110379	27142477	Fam163b	**0.1541**	1600
chr13	23535418	23535909	Hist1h3g	**0.12572**	218
chr1	78816949	78820025	Kcne4	**0.19584**	1700
chr15	38933909	38952916	Baalc	**0.14291**	1998
chr14	19751257	19811401	Nid2	**0.35433**	5617
chr8	48225665	48674690	Tenm3	**0.25071**	9700
chr8	66697422	66706798	Npy1r	**0.4718**	5000
chr5	35389117	35392872	Hmx1	**0.35787**	1902
chr19	16956118	17223932	Prune2	**0.13874**	6118
chr9	107935920	107949691	Camkv	**0.13995**	1495
chr2	167095969	167188818	Kcnb1	**0.17806**	6999
chr8	71384274	71395801	Ushbp1	**0.29981**	3750
chr6	35312746	35326141	Fam180a	**0.57565**	3100
chr5	127241826	127565790	Tmem132c	**0.18313**	3300
chr10	81337762	81343266	Gipc3	**0.19119**	690
chr4	147611936	147642508	2610305D13Rik	**0.19932**	1799
chr7	97412957	97417510	Thrsp	**0.7345**	2687
chr5	64953095	64960034	Tlr6	**0.28287**	2592
chr11	59946892	59948147	Med9os	**0.16091**	300
chr11	70614883	70619194	Chrne	**0.37398**	2097
chr17	40207018	40208609	Pgk2	**0.58762**	3297
chrX	134404780	134456573	Drp2	**0.14132**	3478
chr19	10937160	10941480	Ptgdr2	**0.13088**	744
chr14	31016219	31016272	Snord19	**0.28374**	54
chr16	13514131	13520419	2310015D24Rik	**0.15991**	1644
chr5	117867119	117953813	Nos1	**0.38125**	5896
chr17	23600826	23611019	Zscan10	**0.34785**	3353
chr5	37821701	37822751	Msx1os	**0.14335**	531
chr2	164389393	164405160	Matn4	**0.49325**	4346
chr7	137193671	137314445	Ebf3	**0.18071**	3199
chr7	51511029	51598707	Ano5	**0.42917**	11825
chr18	37473546	37476340	Pcdhb15	**0.21319**	2100
chr11	6635483	6638649	Wap	**0.12723**	252
chr8	4134736	4137707	Cd209g	**0.25367**	970
chr15	92051165	92341967	Cntn1	**0.13765**	3000
chr2	66673426	66784910	Scn7a	**0.51787**	13384
chr12	49382883	49386867	Foxg1	**0.15664**	2200
chr2	164214454	164221663	Wfdc15b	**0.19773**	400
chr2	25080323	25085669	Entpd8	**0.1635**	1300
chr8	3655770	3659818	Retn	**1.84089**	3776
chr19	36111965	36119844	Ankrd1	**0.6268**	3899
chr5	110544355	110621383	Galnt9	**0.13294**	1400
chr9	109847377	109849456	Camp	**0.423**	893
chrX	133908425	133932446	Srpx2	**0.41741**	4300
chr13	101232127	101247551	5930438M14Rik	**0.27839**	2393
chr4	115056426	115071755	Tal1	**0.12707**	1914

chr2	158070364	158091797	2010009K17Rik	**0.137**	239
chr8	13435459	13461451	Tmem255b	**0.25126**	1083
chr4	134251110	134254106	Grrp1	**0.99355**	4293
chr10	81198170	81202037	Nmrk2	**0.93418**	6058
chr6	114282635	114317525	Slc6a1	**0.12552**	1900
chr9	75347758	75351640	Bcl2l10	**0.30038**	1300
chr9	37402046	37414022	Robo4	**0.48095**	6253
chr4	101353783	101399185	0610043K17Rik	**0.30853**	672
chr18	46850039	46905446	4833403I15Rik	**0.19797**	2246
chr5	122100980	122106854	Myl2	**1.15872**	2585
chr3	97032402	97053634	Gja5	**0.18738**	2100
chr4	115600938	115622366	Cyp4a32	**0.14987**	1011
chr7	35186385	35200877	Slc7a10	**0.43057**	2604
chr2	158182533	158229224	D630003M21Rik	**0.1444**	2600
chr11	109933406	109995816	Abca8b	**0.17843**	3885
chr13	21787488	21789213	Hist1h2bp	**0.1915**	436
chr14	29988888	29988952	Mir6947	**0.17024**	39
chr2	173153073	173159253	Pck1	**0.34589**	3189
chr1	180432373	180483504	6330403A02Rik	**0.1904**	4400
chr9	7571458	7581393	Mmp27	**0.21058**	1229
chr15	103562760	103565081	Glycam1	**0.25486**	600
chr5	146385006	146471125	Wasf3	**0.13738**	1300
chr7	76229887	77124698	Agbl1	**0.25275**	3001
chr6	113168087	113195384	Lhfpl4	**0.40492**	6800
chr13	110352615	110357172	Gapt	**0.13807**	1000
chr12	28594173	28623290	Colec11	**0.18383**	896
chr3	129199878	129219594	Pitx2	**0.39324**	3875
chr6	115245616	115251849	Timp4	**0.41699**	2081
chr11	101999653	102026955	Mpp3	**0.237**	2378
chr12	103763587	103773633	Serpina1d	**0.5116**	2600
chr3	94478295	94492198	Celf3	**0.24937**	2989
chr11	16257724	16284551	Vstm2a	**0.15637**	2000
chr7	45613890	45615490	Fgf21	**0.2397**	800
chr9	110951545	110984064	Lrrc2	**0.46578**	6000
chr9	105990318	106096691	Col6a4	**0.14177**	3717
chr7	79053483	79115099	Acan	**0.27105**	7026
chr4	104766317	104804548	C8b	**0.5069**	4000
chr16	36493696	36562134	Casr	**0.28161**	4500
chrX	73774422	73778924	Srpk3	**0.54189**	3749
chr3	106147554	106167564	Chil3	**0.84071**	4560
chr9	114057354	114098733	Susd5	**0.16846**	2300
chr15	103751923	103755498	Mucl1	**0.17169**	475
chr7	127806844	127824531	Stx1b	**0.1772**	983
chr5	38277404	38304217	Otop1	**0.13511**	1500
chr2	93421929	93422007	Mir7001	**0.25501**	71
chr6	87383319	87388935	Gkn3	**0.37104**	1037
chr10	34389981	34397085	Col10a1	**0.23388**	2580

chr2	25288145	25289187	Tmem210	**0.15507**	282
chr4	117126813	117128654	Tctex1d4	**0.1284**	410
chr9	75643366	75684056	Scg3	**0.24221**	1884
chr18	76993200	77047296	Katnal2	**0.24643**	1453
chr6	82402475	82560104	Tacr1	**0.44034**	7800
chrX	143285674	143394262	Chrdl1	**0.18002**	4296
chrX	106920625	106933899	Lpar4	**0.22099**	3300
chrX	103460373	103481274	Xist	**11.82475**	428874
chr15	10952332	10980162	C1qtnf3	**0.13243**	1199
chr1	158711731	158957438	Pappa2	**0.13881**	4200
chr17	34487406	34497429	Btnl5-ps	**0.42441**	3877
chr18	53464546	53575857	Prdm6	**0.19472**	1785
chr6	130323289	130337626	Klra3	**0.14819**	633
chr4	114906280	114908898	Foxd2	**0.14084**	1300
chr4	118630741	118631915	D4Ertd617e	**0.14889**	106
chr8	3847973	3854286	Cd209e	**0.1921**	1199
chr1	43730602	43742564	1500015O10Rik	**3.06394**	9589
chr3	19644460	19691599	Trim55	**0.60336**	3800
chr16	91053935	91069145	4932438H23Rik	**0.14927**	1412
chr3	138048761	138067388	Gm5105	**0.18626**	1093
chr4	43727198	43728110	Hrct1	**0.40401**	1300
chr9	48318004	48340898	Nxpe2	**0.17692**	2100
chr7	59978811	59978856	Snord64	**0.18505**	30
chr11	30426006	30471829	4930505A04Rik	**0.19172**	625
chr7	145205818	145208119	1810010D01Rik	**0.51589**	1700
chr11	99936291	99937225	Krtap31-2	**0.51589**	1700
chr2	73271926	73275771	Sp9	**0.16129**	1599
chr4	58042796	58206596	Svep1	**0.22777**	9051
chr9	38209052	38209993	Olfr893	**0.28856**	958
chr10	81328703	81335174	Tbxa2r	**0.21837**	1500
chr12	79088705	79103939	9230116L04Rik	**0.14125**	681
chr18	65265531	65393888	Alpk2	**0.18399**	4700
chr3	107595031	107605875	Alx3	**0.21572**	1500
chr16	85456244	85550373	Cyyr1	**0.20799**	1491
chr1	42697146	42700209	Pou3f3	**0.17595**	1900
chr11	101962458	101967015	Sost	**0.23347**	1700
chr6	7555071	7562973	Tac1	**0.24587**	896
chr6	129426684	129452000	Clec1a	**0.17365**	2000
chr2	153065955	153081735	Ccm2l	**0.25736**	2000
chr18	35964830	36014716	Psd2	**0.12502**	2029
chr9	30942563	30962858	Adamts8	**0.14843**	1900
chr13	98354245	98356705	Foxd1	**0.13835**	1200
chrX	72432676	72656246	Gabra3	**0.19794**	2600
chr2	92915101	92956051	Syt13	**0.15129**	2000
chr9	98955607	98958126	Foxl2	**0.29984**	2663
chr7	19386643	19386706	Mir343	**0.27931**	63
chr19	38116620	38125321	Rbp4	**0.17501**	800

chr7	139086001	139101791	Dpysl4	**0.13977**	1300
chr10	81386347	81386412	Mir6913	**0.31813**	74
chr1	193507463	193507530	Mir205	**0.59669**	143
chr13	19727417	19732951	A530099J19Rik	**0.13302**	1300
chr1	9968622	10009136	Ppp1r42	**0.14581**	741
chr7	30589380	30589437	Mir3569	**0.51367**	105
chr7	109010880	109034318	Tub	**0.13174**	2693
chr2	178430515	178487366	Cdh26	**0.19975**	2100
chr15	11064790	11346867	Adamts12	**0.16112**	3540
chr10	52022502	52028471	Vgll2	**0.30953**	1800
chr1	85088139	85109853	A530032D15Rik	**0.22199**	1377
chr11	49050733	49135387	Olfr56	**0.13462**	863
chr17	85620834	85626191	Six3	**0.25429**	3298
chr3	5218554	5415855	Zfhx4	**0.13901**	6797
chr1	4490928	4497354	Sox17	**0.20693**	2969
chr10	23104168	23349903	Eya4	**0.269**	3886
chr8	3917655	3926841	Cd209b	**0.25405**	1891
chr2	131069220	131086765	Siglec1	**0.16521**	3719
chr15	91267691	91573261	Slc2a13	**0.15612**	3599
chr10	21377300	21396578	Aldh8a1	**0.35407**	2799
chr16	63545218	63864157	Epha3	**0.18224**	2555
chr2	151911332	151944654	Angpt4	**0.20121**	1085
chr15	12171492	12171574	Mir1898	**0.22562**	66
chr7	102702323	102712054	Olfr558	**0.15531**	1600
chr6	29060221	29073876	Lep	**0.30491**	3500
chr2	30595044	30608945	Cstad	**0.13892**	400
chr5	119670862	119684724	Tbx3	**0.15768**	2688
chr7	57590518	57828801	Gabrb3	**0.15302**	3073
chr12	105031075	105031349	Scarna13	**0.23645**	175
chr1	10324719	10719945	Cpa6	**0.16088**	1100
chr1	21285246	21298312	Gm4956	**0.19748**	799
chr1	93352158	93352285	Mir6345	**0.22832**	103
chr1	125872042	125912214	Lypd1	**0.18601**	552
chr1	134290004	134292548	Myog	**0.1342**	700
chr1	173221271	173227229	Fcer1a	**0.27627**	999
chr1	185313581	185313691	Mir215	**0.34509**	135
chr3	15296551	15332302	Gm9733	**0.36271**	790
chr3	96240335	96245496	Hist2h2aa2	**0.56748**	160
chr4	40722917	40722921	Mir207	**1.36195**	24
chr5	75176861	75176904	Mir7025	**0.40626**	63
chr5	110666075	110666141	Mir7026	**0.40655**	96
chr5	114719515	114719578	Mir7028	**0.28374**	64
chr7	3908280	3915501	Lilra6	**0.1803**	1513
chr7	7298891	7298946	Mir5620	**0.12667**	25
chr7	19181465	19181562	Mir330	**0.24031**	83
chr7	25217668	25217725	Mir7048	**0.36201**	74
chr7	31703779	31705754	Scgb2b7	**1.2074**	2200

chr7	33373234	33374558	Scgb1b20	**1.62137**	2400
chr7	44216475	44220703	Klk1b5	**0.19773**	600
chr7	140763832	140774977	Cyp2e1	**0.66996**	4099
chr8	105951637	105951699	Mir7074	**0.28374**	63
chr9	58221150	58221254	Mir6385	**0.20808**	77
chr9	121950988	121980208	Fam198a	**0.2134**	2800
chr10	40287458	40287464	Amd1	**0.56748**	14
chr10	53337686	53345999	Pln	**0.17139**	1498
chr11	82176666	82179812	Ccl1	**0.16856**	300
chr11	97677060	97677130	Mir6927	**0.28374**	71
chr11	98262606	98262662	Mir5119	**0.23396**	47
chr12	102554969	102565027	Chga	**0.24122**	1600
chr13	13182782	13191840	Prl2c5	**0.28619**	700
chr13	33484790	33496000	Serpinb9g	**0.2951**	2000
chr13	60842612	60864416	4930486L24Rik	**0.14466**	700
chr14	115044157	115044263	Mir20a	**0.16176**	61
chr15	27571494	27571558	Mir7117	**0.23572**	54
chr15	77045075	77057108	Apol6	**0.18391**	2137
chr15	78439667	78468634	Tmprss6	**0.2008**	2259
chr15	98526348	98526459	Snora2b	**0.13427**	53
chr16	23108953	23109020	Snord2	**0.47568**	114
chr16	42955580	42956079	BC002163	**0.22699**	400
chr18	47452668	47470868	9130209A04Rik	**0.22875**	545
chrX	19146893	19146971	Mir222	**0.28374**	79
chrX	45090904	45092790	Prr32	**0.1791**	700
chrX	136957899	136957979	Tmsb15b2	**0.77766**	222