

S5.6 Body Mass Index Main Effect Top 1000 Hits - Generation 3 Exam 1

rs ^a	P-value	Chromosome	Coordinates	Closest Gene	Distance To Gene
rs4143796	8.37E-07	2	77205032	LRRTM4;OTTHUMG000000152842	0
rs1446724	1.45E-06	2	77222224	OTTHUMG000000152840;AC079117.1	0
rs7753068	2.55E-06	6	155219158	OTTHUMG00000015877;RBM16	0
rs17161914	2.71E-06	7	140813472	AC006362.1	61263
rs17013595	4.08E-06	2	77235523	OTTHUMG000000152840;AC079117.1	0
rs1446704	4.45E-06	2	77235219	OTTHUMG000000152840;AC079117.1	0
rs6500760	4.82E-06	16	6180375	AC012175.1	-369586
rs2058144	5.81E-06	4	15992702	PROM1;OTTHUMG000000160180	0
rs8023369	5.97E-06	15	58482194	AQP9;OTTHUMG000000132631	4084
rs1446725	6.06E-06	2	77222421	OTTHUMG000000152840;AC079117.1	0
rs1446693	7.52E-06	2	77262967	LRRTM4;OTTHUMG000000152842	0
rs2237936	7.90E-06	11	17874548	SERGEF	0
rs17477995	1.03E-05	4	15997097	PROM1;OTTHUMG000000160180	0
rs12634756	1.08E-05	3	28808844	AC109586.1;OTTHUMG000000155718	9548
rs7597923	1.09E-05	2	77234853	OTTHUMG000000152840;AC079117.1	0
rs6547118	1.68E-05	2	77248425	LRRTM4;OTTHUMG000000152842	0
rs10192262	2.18E-05	2	77174412	LRRTM4;OTTHUMG000000152842	0
rs2028913	2.31E-05	2	77252200	LRRTM4;OTTHUMG000000152842	0
rs3925065	2.37E-05	3	157667114	AC055761.1	-18600
rs10520176	2.60E-05	2	77217310	OTTHUMG000000152840;AC079117.1	0
rs2517611	2.77E-05	6	-9	N/A	-9
rs735815	2.83E-05	2	68511584	OTTHUMG000000129565;CNRIP1	0
rs2517618	2.85E-05	6	-9	N/A	-9
rs187262	2.86E-05	5	79855876	ANKRD34B;OTTHUMG000000162541	0
rs3129704	3.07E-05	6	-9	N/A	-9
rs2292714	3.11E-05	15	58465754	AQP9;OTTHUMG000000132631	0
rs11596541	3.25E-05	10	97317340	OTTHUMG00000018812;SORBS1	0
rs9374352	3.52E-05	6	112961006	OTTHUMG00000015394;RP1-159M24.1	-21924
rs12488237	3.92E-05	3	56114861	OTTHUMG000000158390;ERC2	0
rs17694523	4.07E-05	19	34095594	CTD-2329C7.1;OTTHUMG000000158155	-15000
rs9921786	4.31E-05	16	6163124	AC012175.1	-352335
rs7601413	4.96E-05	2	29032238	OTTHUMG000000074041;SPDYA	0
rs2277849	5.39E-05	15	84639350	OTTHUMG000000147363;ADAMTSL3	0

rs12148239	5.41E-05	15	84641018	OTTHUMG00000147363;ADAMTSL3	0
rs4888320	5.44E-05	16	74991864	WDR59	0
rs10893859	5.56E-05	11	128236498	ETS1	92158
rs3768666	5.59E-05	2	29005870	OTTHUMG00000074041;SPDYA	0
rs7104988	5.59E-05	11	128235452	ETS1	93204
rs4733670	5.79E-05	8	128701530	AC108925.1	0
rs1347970	5.88E-05	2	4915899	AC092169.1	-41225
rs11166179	6.01E-05	1	99571007	RP5-896L10.1;OTTHUMG00000010766	0
rs747606	6.13E-05	4	30669328	RP11-495L18.2;OTTHUMG00000160368	51710
rs17802299	6.27E-05	16	6161794	AC012175.1	-351005
rs10745892	6.52E-05	12	101105677	AC010209.1	-56095
rs1352008	6.55E-05	3	56142860	OTTHUMG00000158390;ERC2	0
rs10929104	6.58E-05	2	236100957	OTTHUMG00000153146;AC114814.3	13408
rs11254772	6.88E-05	10	6862716	OTTHUMG00000017627;RP11-799O21.1	0
rs1426640	7.06E-05	11	97185053	AP005434.1	-343411
rs3779673	7.22E-05	8	20032346	SLC18A1;OTTHUMG00000097017	0
rs12597709	7.40E-05	16	6162146	AC012175.1	-351357
rs7601934	7.46E-05	2	29032673	OTTHUMG00000074041;SPDYA	0
rs4733535	8.09E-05	8	128701496	AC108925.1	0
rs3812287	8.23E-05	7	135105533	CNOT4;OTTHUMG00000155568	0
rs209753	8.37E-05	1	22821968	ZBTB40;OTTHUMG00000002897	0
rs7951075	8.45E-05	11	128239643	ETS1	89013
rs16960170	8.51E-05	16	58505375	NDRG4;OTTHUMG00000133485	0
rs2414544	8.59E-05	15	58461006	AQP9;OTTHUMG00000132631	0
rs17821117	8.61E-05	15	58471626	AQP9;OTTHUMG00000132631	0
rs9565777	8.99E-05	13	83023638	RP11-49F20.1;OTTHUMG00000017148	-373628
rs1421157	9.36E-05	3	177693796	AC007953.1	31664
rs1771715	9.46E-05	9	110151668	RP11-363D24.1;OTTHUMG00000020447	30897
rs1350867	9.47E-05	3	28749473	AC109586.1;OTTHUMG00000155718	0
rs10505504	9.67E-05	8	128700344	AC108925.1	0
rs6790581	0.0001	3	177703195	AC007953.1	22265
rs11919255	0.0001	3	61894700	PTPRG;OTTHUMG00000158660	0
rs9856195	0.0001	3	157693601	RP11-290K4.1;OTTHUMG00000158756	749
rs10753652	0.0001	1	164919055	OTTHUMG00000034480;RP11-403P14.1	-28189
rs234129	0.0001	14	98118378	AL163872.1	0
rs2992443	0.0001	1	38961037	OTTHUMG00000000481;RP11-329N22.1	18881
rs896559	0.0001	12	42879126	PRICKLE1	0

rs11802799	0.0001	1	164842442	AL390119.2	18873
rs1335842	0.0001	13	83017730	RP11-49F20.1;OTTHUMG00000017148	-379536
rs11485173	0.0001	1	222484745	RP11-400N13.1;OTTHUMG00000037290	0
rs820084	0.0001	6	35028791	OTTHUMG00000014559;ANKS1A	0
rs935893	0.0001	12	42876117	PRICKLE1	0
rs1867131	0.0001	10	6863526	OTTHUMG00000017627;RP11-799O21.1	0
rs9290011	0.0001	3	157684647	RP11-290K4.1;OTTHUMG00000158756	9703
rs11679931	0.0001	2	4901970	AC092169.1	-27296
rs2416492	0.0001	5	117338365	AC122716.1	0
rs4515270	0.0001	5	101180049	OTTHUMG00000162751;RP11-560F8.1	-27565
rs2249785	0.0001	6	92751043	RP11-173O8.1;OTTHUMG00000015223	26591
rs7047988	0.0001	9	90227915	DAPK1;OTTHUMG00000020150	0
rs5754049	0.0001	22	32771017	RP1-149A16.3;OTTHUMG00000058267	-1634
rs8182392	0.0001	18	35027184	CELF4	0
rs1604856	0.0001	9	73909625	TRPM3;OTTHUMG00000019997	0
rs820089	0.0001	6	35024695	OTTHUMG00000014559;ANKS1A	0
rs2488912	0.0001	1	164864941	OTTHUMG00000034480;RP11-403P14.1	25613
rs17732598	0.0001	3	56232234	OTTHUMG00000158390;ERC2	0
rs9634739	0.0001	13	83008524	RP11-49F20.1;OTTHUMG00000017148	-388742
rs12492055	0.0001	3	56239203	OTTHUMG00000158390;ERC2	0
rs9290008	0.0001	3	157639491	AC055761.1	8790
rs2503651	0.0001	6	92770466	RP11-173O8.1;OTTHUMG00000015223	46014
rs2289025	0.0001	2	205969220	PARD3B;OTTHUMG00000154562	0
rs10166861	0.0001	2	29061111	OTTHUMG00000074041;SPDYA	0
rs10103726	0.0001	8	139183852	OTTHUMG00000149864;FAM135B	0
rs10936113	0.0001	3	157642180	AC055761.1	6101
rs7095268	0.0001	10	6857559	OTTHUMG00000017627;RP11-799O21.1	0
rs2140420	0.0002	6	35064041	OTTHUMG00000014559;ANKS1A	0
rs2503658	0.0002	6	92762453	RP11-173O8.1;OTTHUMG00000015223	38001
rs11142786	0.0002	9	73907625	TRPM3;OTTHUMG00000019997	0
rs2503652	0.0002	6	92770284	RP11-173O8.1;OTTHUMG00000015223	45832
rs6542429	0.0002	2	118931233	AC093901.1;OTTHUMG00000153418	0
rs17021787	0.0002	3	28758306	AC109586.1;OTTHUMG00000155718	0
rs13025020	0.0002	2	118926955	AC093901.1;OTTHUMG00000153418	0
rs4766616	0.0002	12	110074860	AC007623.2	2263
rs8001387	0.0002	13	83024688	RP11-49F20.1;OTTHUMG00000017148	-372578
rs3094629	0.0002	6	-9	N/A	-9

rs1533401	0.0002	3	157657630	AC055761.1	-9116
rs6502692	0.0002	17	3019725	AC097370.1	0
rs12987450	0.0002	2	17344959	AC096556.1	-40552
rs9352352	0.0002	6	77282764	OTTHUMG00000015064;RP11-35J1.1	0
rs2452982	0.0002	6	92767828	RP11-173O8.1;OTTHUMG00000015223	43376
rs4790120	0.0002	17	3023867	AC097370.1	3116
rs9860533	0.0002	3	157639592	AC055761.1	8689
rs4300683	0.0002	17	2995572	OTTHUMG00000090619;OR1D2	0
rs1267001	0.0002	1	22802072	ZBTB40;OTTHUMG00000002897	0
rs3130404	0.0002	6	-9	N/A	-9
rs1034017	0.0002	1	222490469	RP11-400N13.1;OTTHUMG00000037290	0
rs10224331	0.0002	7	153899183	OTTHUMG00000151511;DPP6	0
rs4733671	0.0002	8	128702019	AC108925.1	0
rs4266612	0.0002	8	128707406	AC108925.1	0
rs3895473	0.0002	9	4329209	OTTHUMG00000019463;GLIS3	0
rs2452984	0.0002	6	92768468	RP11-173O8.1;OTTHUMG00000015223	44016
rs694269	0.0002	18	65530609	AC114689.1	0
rs3129705	0.0002	6	-9	N/A	-9
rs10905018	0.0002	10	6859144	OTTHUMG00000017627;RP11-799O21.1	0
rs6716519	0.0002	2	16904254	OTTHUMG00000151740;AC008069.1	-5137
rs2414539	0.0002	15	58453506	AQP9;OTTHUMG00000132631	0
rs4733665	0.0002	8	128694280	AC108925.1	4309
rs935204	0.0002	15	58457632	AQP9;OTTHUMG00000132631	0
rs1748936	0.0002	14	96141240	TCL6;OTTHUMG00000149979	0
rs7836559	0.0002	8	84911232	AC103816.1	-297006
rs10504601	0.0002	8	76881491	AC021842.1	-76352
rs4962728	0.0002	10	126008980	OAT;OTTHUMG00000019213	76896
rs11629580	0.0002	15	33431375	FMN1	0
rs3912498	0.0002	2	118941209	AC093901.1;OTTHUMG00000153418	0
rs1034020	0.0002	1	222490196	RP11-400N13.1;OTTHUMG00000037290	0
rs17147190	0.0002	5	120337628	AC008565.1	-29253
rs6542433	0.0002	2	118944740	AC093901.1;OTTHUMG00000153418	-778
rs2210612	0.0002	1	242989157	OTTHUMG00000039856;RSL24D1P4	52752
rs6028485	0.0002	20	38158896	AL031661.1	177262
rs6563813	0.0002	13	40858172	AL356217.1	57103
rs936189	0.0003	3	150636224	OTTHUMG00000159849;RP11-166N6.2	0
rs10117146	0.0003	9	1639330	AL358934.1	305377

rs8081958	0.0003	17	6370555	PITPNM3;OTTHUMG00000102039	0
rs1703315	0.0003	5	22393107	CDH12;OTTHUMG00000090591	0
rs11922170	0.0003	3	177667289	OTTHUMG00000157253;RP11-2L8.1	11839
rs7269159	0.0003	20	54125823	RP5-1010E17.1;OTTHUMG00000032780	41071
rs1513534	0.0003	4	60435755	OTTHUMG00000161730;RP11-725D20.1	0
rs8104526	0.0003	19	16879273	NWD1	0
rs4130306	0.0003	6	10303160	RP1-290I10.2;OTTHUMG00000014229	62697
rs4733676	0.0003	8	128706719	AC108925.1	0
rs10745891	0.0003	12	101104242	AC010209.1	-54660
rs6129346	0.0003	20	38128424	AL031661.1	146790
rs1778792	0.0003	13	28443643	AL390738.2	0
rs2503654	0.0003	6	92766359	RP11-173O8.1;OTTHUMG00000015223	41907
rs1390333	0.0003	1	222457286	RP11-400N13.1;OTTHUMG00000037290	0
rs4357254	0.0003	8	128707295	AC108925.1	0
rs732289	0.0003	3	150636345	OTTHUMG00000159849;RP11-166N6.2	0
rs4141521	0.0003	5	30051189	AC010374.1	101952
rs998402	0.0003	1	222491317	RP11-400N13.1;OTTHUMG00000037290	0
rs820076	0.0003	6	35033891	OTTHUMG00000014559;ANKS1A	0
rs3800426	0.0003	6	35009196	OTTHUMG00000014559;ANKS1A	0
rs2452965	0.0003	6	92770197	RP11-173O8.1;OTTHUMG00000015223	45745
rs6028457	0.0003	20	38118506	AL031661.1	136872
rs773841	0.0003	19	16879706	NWD1	0
rs6014412	0.0003	20	54126140	RP5-1010E17.1;OTTHUMG00000032780	41388
rs3094070	0.0003	6	-9	N/A	-9
rs2055347	0.0003	12	130662745	FZD10	12461
rs1726595	0.0003	7	18625532	HDAC9;OTTHUMG00000152487	0
rs34007251	0.0003	2	77206366	LRRTM4;OTTHUMG00000152842	0
rs12165004	0.0003	16	83576119	CDH13	0
rs17460623	0.0003	13	44166019	ENOX1;OTTHUMG00000016818	0
rs10054030	0.0003	5	21570504	OTTHUMG00000161915;RP11-823P9.1	25618
rs11123476	0.0003	2	118927720	AC093901.1;OTTHUMG00000153418	0
rs16895132	0.0003	5	22401181	CDH12;OTTHUMG00000090591	0
rs7261265	0.0003	20	54125615	RP5-1010E17.1;OTTHUMG00000032780	40863
rs651185	0.0003	1	233871030	KCNK1;OTTHUMG00000037923	62772
rs252115	0.0003	5	141382472	OTTHUMG00000129657;GNPDA1	0
rs7398988	0.0003	12	131068134	RIMBP2	-65724
rs11010136	0.0003	10	19774177	C10orf112;OTTHUMG00000017779	0

rs12754103	0.0003	1	22847797	ZBTB40;OTTHUMG00000002897	0
rs12081567	0.0003	1	153200987	OTTHUMG00000013937;RP1-140J1.4	2505
rs7108678	0.0003	11	128205976	ETS1	122680
rs6865763	0.0003	5	178239210	AACSL	0
rs1769820	0.0003	1	22811523	ZBTB40;OTTHUMG00000002897	0
rs10874849	0.0003	1	94813431	RP11-148B18.3;OTTHUMG00000010650	13027
rs1824306	0.0003	2	71406569	OTTHUMG00000153654;AC007881.4	666
rs7249209	0.0003	19	44643273	ZNF234	-2437
rs12482086	0.0003	21	46384812	C21orf70;OTTHUMG00000090293	0
rs12497997	0.0003	3	180409397	OTTHUMG00000157929;RP11-496B10.5	0
rs252098	0.0003	5	141364109	RNF14;OTTHUMG00000129660	0
rs7726345	0.0003	5	132996604	FSTL4;OTTHUMG00000162729	-48349
rs10998087	0.0003	10	53316743	PRKG1;OTTHUMG00000018248	0
rs12639731	0.0003	4	41679473	LIMCH1;OTTHUMG00000160575	0
rs3846987	0.0003	7	11665587	OTTHUMG00000152346;THSD7A	0
rs2450114	0.0003	8	117623719	EIF3H	33337
rs11926232	0.0003	3	55936417	OTTHUMG00000158390;ERC2	0
rs2059775	0.0004	12	101116576	AC010209.1	-66994
rs3825300	0.0004	12	10242161	CLEC1A	0
rs4678174	0.0004	3	122000871	OTTHUMG00000159491;CASR	0
rs4710948	0.0004	6	10305925	RP1-290I10.2;OTTHUMG00000014229	59932
rs2068818	0.0004	20	54127706	RP5-1010E17.1;OTTHUMG00000032780	42954
rs927216	0.0004	1	114828839	RP4-543J13.1;OTTHUMG00000011899	23939
rs10758524	0.0004	9	38761499	AL591543.1	81398
rs943808	0.0004	10	130407679	OTTHUMG00000019259;RP11-442O18.3	288087
rs1488898	0.0004	3	176593662	RP11-644C3.1;OTTHUMG00000157301	-8036
rs1558389	0.0004	15	97593989	AC055873.1	40503
rs1687970	0.0004	1	94857931	OTTHUMG00000010653;RP11-366L18.1	14024
rs535288	0.0004	1	114833941	RP4-543J13.1;OTTHUMG00000011899	29041
rs17688313	0.0004	8	71683864	AC020987.1	9285
rs3843335	0.0004	2	12212843	OTTHUMG00000151709;AC096559.1	0
rs6912295	0.0004	6	3716198	AL033523.1	0
rs1008653	0.0004	20	38147213	AL031661.1	165579
rs7535547	0.0004	1	94793878	RP11-148B18.4;OTTHUMG00000010651	-3753
rs1077497	0.0004	10	126723133	OTTHUMG00000019224;CTBP2	0
rs704424	0.0004	3	64288463	PRICKLE2;OTTHUMG00000158789	-34808
rs16902304	0.0004	8	128687634	AC108925.1	10955

rs7427948	0.0004	3	61832829	PTPRG;OTTHUMG00000158660	0
rs10800059	0.0004	1	164906688	OTTHUMG00000034480;RP11-403P14.1	-15822
rs938902	0.0004	16	12851898	CPPED1	0
rs1155137	0.0004	17	38892460	KRT25;OTTHUMG00000133373	11812
rs4698426	0.0004	4	15922722	FGFBP1;OTTHUMG00000097745	14470
rs7017136	0.0004	8	54306826	AC022034.1	120905
rs2011013	0.0004	15	84625766	OTTHUMG00000147363;ADAMTSL3	0
rs1765618	0.0004	1	94850575	OTTHUMG00000010653;RP11-366L18.1	21380
rs1813526	0.0004	16	79237510	WWOX	0
rs7980801	0.0004	12	10233652	CLEC1A	0
rs1748937	0.0004	14	96141595	TCL6;OTTHUMG00000149979	0
rs1518864	0.0004	3	180389056	OTTHUMG00000157857;CCDC39	0
rs41426852	0.0004	12	67044884	GRIP1	0
rs12128109	0.0004	1	153212668	OTTHUMG00000013937;RP1-140J1.4	14186
rs1005546	0.0004	21	39068872	OTTHUMG00000086667;KCNJ6	0
rs11696824	0.0004	20	54126154	RP5-1010E17.1;OTTHUMG00000032780	41402
rs17531631	0.0004	2	201224637	OTTHUMG00000154589;SPATS2L	0
rs10732636	0.0004	1	114836936	RP4-543J13.1;OTTHUMG00000011899	32036
rs35768	0.0004	12	100585439	ACTR6	-8426
rs386368	0.0004	9	83616366	RP11-289F5.1;OTTHUMG00000020080	-130156
rs9822541	0.0004	3	64342229	OTTHUMG00000158710;RP11-14D22.2	87929
rs1765635	0.0004	1	94847424	OTTHUMG00000010653;RP11-366L18.1	24531
rs11957757	0.0004	5	148216187	ADRB2;OTTHUMG00000129933	7999
rs9856144	0.0004	3	142972148	OTTHUMG00000159373;SLC9A9	11916
rs3807235	0.0004	7	154477378	OTTHUMG00000151511;DPP6	0
rs16836553	0.0004	1	164893737	OTTHUMG00000034480;RP11-403P14.1	-2871
rs12674838	0.0005	8	71990280	EYA1;OTTHUMG00000149894	119388
rs10771544	0.0005	12	29650361	OVCH1	0
rs7869423	0.0005	9	1634618	AL358934.1	300665
rs1963858	0.0005	5	115789599	CTB-118N6.3;OTTHUMG00000162986	0
rs4913512	0.0005	12	67321354	GRIP1	-248429
rs7612518	0.0005	3	28756119	AC109586.1;OTTHUMG00000155718	0
rs17023546	0.0005	3	29493600	OTTHUMG00000155699;RBMS3	0
rs10936112	0.0005	3	157633907	AC055761.1	14374
rs7861857	0.0005	9	38739117	AL591543.1	59016
rs11254686	0.0005	10	6838942	OTTHUMG00000017627;RP11-799O21.1	0
rs17195220	0.0005	16	6182615	AC012175.1	-371826

rs1949542	0.0005	3	118183783	RP11-384F7.1;OTTHUMG00000159346	0
rs1566499	0.0005	4	169732171	OTTHUMG00000161097;PALLD	0
rs2115606	0.0005	2	57238715	AC010738.1	4481
rs17577590	0.0005	5	177640394	OTTHUMG00000130892;AGXT2L2	0
rs13185812	0.0005	5	22363953	CDH12;OTTHUMG00000090591	0
rs418921	0.0005	5	141373949	OTTHUMG00000129657;GNPDA1	0
rs2948534	0.0005	17	25866550	KSR1;OTTHUMG00000132051	0
rs252114	0.0005	5	141382584	OTTHUMG00000129657;GNPDA1	0
rs226959	0.0005	6	3727811	OTTHUMG00000014146;C6orf145	0
rs7098330	0.0005	10	20383783	PLXDC2;OTTHUMG00000017781	0
rs945486	0.0005	10	120248090	OTTHUMG00000019134;RP11-36N22.1	-84293
rs1360100	0.0005	1	153192214	PRR9;OTTHUMG00000013936	421
rs7642028	0.0005	3	157774287	RP11-290K4.2;OTTHUMG00000158757	0
rs11783715	0.0005	8	19989194	SLC18A1;OTTHUMG00000097017	13172
rs4241739	0.0005	4	182712956	OTTHUMG00000160718;RP11-540E16.2	28216
rs6488250	0.0005	12	10237014	AC024224.1	0
rs962415	0.0005	12	67328072	GRIP1	-255147
rs4906122	0.0005	14	101937865	AL049836.1	80695
rs2708070	0.0006	12	42878328	PRICKLE1	0
rs1608107	0.0006	3	157774677	RP11-290K4.2;OTTHUMG00000158757	0
rs12958098	0.0006	18	20145379	RP11-863N1.1;OTTHUMG00000158176	-21049
rs10774495	0.0006	12	119817571	CCDC60	0
rs6086545	0.0006	20	915863	OTTHUMG00000031652;ANGPT4	-18903
rs4074568	0.0006	7	153895189	OTTHUMG00000151511;DPP6	0
rs4377880	0.0006	7	102473163	OTTHUMG00000157224;FBXL13	0
rs7093588	0.0006	10	10042825	OTTHUMG00000017655;RP5-933E2.1	-57860
rs2272955	0.0006	20	-9	N/A	-9
rs6744712	0.0006	2	107798929	AC006227.1;OTTHUMG00000153205	72218
rs7749599	0.0006	6	5545654	FARS2;OTTHUMG00000014178	0
rs1323127	0.0006	1	175579354	TNR;OTTHUMG00000034876	0
rs7592895	0.0006	2	29100168	TRMT61B;OTTHUMG00000128433	-7001
rs8102873	0.0006	19	57488423	AC044792.1	54635
rs1000477	0.0006	9	103273769	TMEFF1;OTTHUMG00000020367	0
rs6807624	0.0006	3	60087390	FHIT;OTTHUMG00000158591	0
rs10788860	0.0006	1	153184789	PRR9;OTTHUMG00000013936	-5271
rs12633820	0.0006	3	15494002	COLQ;OTTHUMG00000156233	0
rs9758090	0.0006	3	42203993	OTTHUMG00000131795;TRAK1	0

rs1535359	0.0006	6	14162229	AL133259.1	5475
rs4906120	0.0006	14	101936521	AL049836.1	82039
rs2822832	0.0006	21	16054693	OTTHUMG00000074315;AF165138.7	-23551
rs9261700	0.0006	6	-9	N/A	-9
rs1381967	0.0006	5	101438906	AC126916.1	27805
rs6488258	0.0006	12	10252208	CLEC1A	-624
rs6490253	0.0006	12	119832798	AC084881.2	0
rs2779613	0.0006	9	83664259	RP11-289F5.1;OTTHUMG00000020080	-178049
rs4359399	0.0006	15	84645052	OTTHUMG00000147363;ADAMTSL3	0
rs10971024	0.0006	9	32561704	OTTHUMG00000019741;NDUFB6	0
rs365630	0.0006	6	24967115	RP11-367G6.1;OTTHUMG00000014377	-9490
rs7539107	0.0006	1	237595655	RYSR2;OTTHUMG00000039543	0
rs669260	0.0006	9	32503440	DDX58;OTTHUMG00000019746	0
rs4974159	0.0006	3	56025951	OTTHUMG00000158390;ERC2	0
rs7972187	0.0006	12	10244654	CLEC1A	0
rs4302392	0.0006	3	85689076	CADM2;OTTHUMG00000158990	0
rs4974196	0.0006	3	56357553	OTTHUMG00000158390;ERC2	0
rs1928556	0.0006	12	41173766	CNTN1	-128390
rs7318517	0.0006	13	40857430	AL356217.1	56361
rs7785072	0.0006	7	29137502	CPVL;OTTHUMG00000023669	0
rs9581776	0.0006	13	27472564	OTTHUMG00000016622;RP11-545M8.1	-6935
rs2446148	0.0006	19	16900878	NWD1	0
rs1999246	0.0006	13	61937412	PCDH20;OTTHUMG00000017012	46409
rs673782	0.0006	6	24964002	RP11-367G6.1;OTTHUMG00000014377	-12603
rs686943	0.0006	6	158169830	AL133510.1	-36708
rs17160305	0.0007	1	146981725	RP11-441L11.1;OTTHUMG00000041476	4433
rs10932880	0.0007	2	221540944	OTTHUMG00000153857;AC067956.1	0
rs2585784	0.0007	11	19876929	NAV2;OTTHUMG00000151837	0
rs10886361	0.0007	10	120764967	AL157788.1	-335
rs9833895	0.0007	3	55392962	RP11-875H7.2;OTTHUMG00000158358	1509
rs409037	0.0007	5	141374203	OTTHUMG00000129657;GNPDA1	0
rs17580275	0.0007	4	38195371	AC098680.2	-44863
rs11123589	0.0007	2	4913966	AC092169.1	-39292
rs2070664	0.0007	15	35085201	ACTC1;OTTHUMG00000129675	0
rs17447186	0.0007	2	201212791	OTTHUMG00000154589;SPATS2L	0
rs6438766	0.0007	3	122521576	OTTHUMG00000159553;DIRC2	0
rs2892347	0.0007	10	6838849	OTTHUMG00000017627;RP11-799O21.1	0

rs17551939	0.0007	2	12268748	OTTHUMG00000151709;AC096559.1	0
rs10973987	0.0007	9	38706453	AL591543.1	26352
rs17260548	0.0007	18	23056425	ZNF521	-124211
rs17093250	0.0007	12	43777335	ADAMTS20	0
rs10177436	0.0007	2	4925630	AC092169.1	-50956
rs10826319	0.0007	10	61333139	RP11-135D11.2;OTTHUMG00000018280	-15769
rs11775313	0.0007	8	24709967	NEFM;OTTHUMG00000131990	-60558
rs10191141	0.0007	2	77103474	LRRTM4;OTTHUMG00000152842	0
rs267398	0.0007	5	174958276	OTTHUMG00000130555;SFXN1	1531
rs4816578	0.0007	21	39045705	OTTHUMG00000086667;KCNJ6	0
rs9304851	0.0007	19	34161998	CHST8	0
rs10868918	0.0007	9	73474330	TRPM3;OTTHUMG00000019997	0
rs2403375	0.0007	11	11027552	AC069360.2	-106728
rs11260640	0.0007	1	5596696	OTTHUMG00000041453;RP11-154H17.1	50732
rs12131857	0.0007	1	188671055	RP11-316I3.1;OTTHUMG00000035544	3699
rs12510685	0.0007	4	137992764	RP11-138I17.1;OTTHUMG00000161243	0
rs10084110	0.0007	19	21821537	AC092364.2	0
rs432006	0.0007	6	24972903	RP11-367G6.1;OTTHUMG00000014377	-3702
rs17175465	0.0007	14	70564804	SLC8A3;OTTHUMG00000152342	0
rs7602114	0.0007	2	4924044	AC092169.1	-49370
rs2321321	0.0007	17	10899108	AC005284.1	-57997
rs6101568	0.0007	20	38106130	AL031661.1	124496
rs2283414	0.0007	14	72658989	RGS6	0
rs3099025	0.0007	5	22409636	CDH12;OTTHUMG00000090591	0
rs7601474	0.0007	2	59588656	AC007131.2;OTTHUMG00000152614	0
rs4511115	0.0007	1	222513180	RP11-400N13.1;OTTHUMG00000037290	0
rs469999	0.0007	22	48637056	LL22NC03-121E8.3;OTTHUMG000001503	98010
rs267397	0.0007	5	174958552	OTTHUMG00000130555;SFXN1	1807
rs11181941	0.0007	12	43616858	AC079603.1	68440
rs17111175	0.0007	14	26856674	NOVA1;OTTHUMG00000029385	58415
rs198037	0.0007	5	174958345	OTTHUMG00000130555;SFXN1	1600
rs1498721	0.0007	3	134170056	OTTHUMG00000159770;RP11-375I20.3	13003
rs12810016	0.0007	12	83308363	TMTC2	0
rs1323224	0.0007	9	1636435	AL358934.1	302482
rs10848147	0.0007	12	131054220	RIMBP2	-51810
rs2676069	0.0007	15	33690463	RYR3	0
rs16951490	0.0007	18	47612538	MYO5B	0

rs2154009	0.0007	1	164902766	OTTHUMG00000034480;RP11-403P14.1	-11900
rs4663552	0.0007	2	236100615	OTTHUMG00000153146;AC114814.3	13066
rs7773356	0.0007	6	6398523	RP3-398D13.3;OTTHUMG00000014192	0
rs17406009	0.0007	2	77222301	OTTHUMG00000152840;AC079117.1	0
rs12634346	0.0007	3	15500295	COLQ;OTTHUMG00000156233	0
rs721486	0.0008	11	117557540	DSCAML1	0
rs6659261	0.0008	1	184447469	OTTHUMG00000035386;C1orf21	0
rs12899929	0.0008	15	58443430	AQP9;OTTHUMG00000132631	0
rs17249740	0.0008	17	71765414	C17orf54	0
rs6975541	0.0008	7	126512020	OTTHUMG00000022888;GRM8	0
rs926105	0.0008	8	24720502	NEFM;OTTHUMG00000131990	-50023
rs1204516	0.0008	7	126503252	OTTHUMG00000022888;GRM8	0
rs10918091	0.0008	1	164885666	OTTHUMG00000034480;RP11-403P14.1	4888
rs1669925	0.0008	12	42886217	PRICKLE1	0
rs7161011	0.0008	14	72660476	RGS6	0
rs9973270	0.0008	19	21814919	AC092364.2	0
rs9471457	0.0008	6	40952395	OTTHUMG00000014665;UNC5CL	42377
rs1286920	0.0008	14	90539659	KCNK13	0
rs3130112	0.0008	6	-9	N/A	-9
rs1318840	0.0008	3	122548182	OTTHUMG00000159553;DIRC2	0
rs12675271	0.0008	8	71602009	XKR9	0
rs9635927	0.0008	18	33878994	FHOD3	0
rs2080320	0.0008	2	202379173	ALS2CR11;OTTHUMG00000132830	0
rs16851294	0.0008	3	140997752	OTTHUMG00000160171;ACPL2	0
rs4610179	0.0008	3	144905101	RP11-622L21.1;OTTHUMG00000159390	-336224
rs16928390	0.0008	11	36114157	LDLRAD3	0
rs273078	0.0008	5	174955584	OTTHUMG00000130555;SFXN1	0
rs10107837	0.0008	8	19988676	SLC18A1;OTTHUMG00000097017	13690
rs2255897	0.0008	3	15520677	COLQ;OTTHUMG00000156233	0
rs599195	0.0008	20	48464795	SLC9A8;OTTHUMG00000032710	0
rs4945729	0.0008	6	106254673	AL596112.1	-97575
rs3754798	0.0008	2	201239957	OTTHUMG00000154589;SPATS2L	0
rs6436972	0.0008	2	231638629	OTTHUMG00000133220;CAB39	0
rs6584352	0.0008	10	83603317	NRG3;OTTHUMG00000018626	-31489
rs1687662	0.0008	16	86413918	AC092327.1	-34633
rs7620149	0.0008	3	15500896	COLQ;OTTHUMG00000156233	0
rs17160264	0.0008	1	146969712	RP11-441L11.1;OTTHUMG00000041476	16446

rs1847041	0.0008	5	81934682	CTD-2015A6.2;OTTHUMG000000162768	-51452
rs2898264	0.0008	8	11016516	OTTHUMG000000129351;XKR6	0
rs8077539	0.0008	17	4749936	MINK1	0
rs164494	0.0008	5	141354116	RNF14;OTTHUMG000000129660	0
rs1048866	0.0008	1	94638711	ARHGAP29;OTTHUMG000000010643	0
rs2167617	0.0008	3	56288321	OTTHUMG000000158390;ERC2	0
rs11073733	0.0008	15	88300234	OTTHUMG000000148677;NTRK3	102748
rs587531	0.0009	1	233878427	KCNK1;OTTHUMG000000037923	70169
rs2736994	0.0009	4	90784528	OTTHUMG000000130947;MMRN1	-16155
rs614281	0.0009	2	45866456	OTTHUMG000000128817;PRKCE	-12028
rs1811442	0.0009	4	90747751	SNCA;OTTHUMG000000130948	0
rs6823449	0.0009	4	119499721	CEP170L;OTTHUMG000000132958	22442
rs7108306	0.0009	11	134758036	AP001999.1	124332
rs3094623	0.0009	6	-9	N/A	-9
rs10233490	0.0009	7	153901907	OTTHUMG000000151511;DPP6	0
rs17289655	0.0009	9	32486507	DDX58;OTTHUMG000000019746	0
rs13018470	0.0009	2	59694749	AC007131.2;OTTHUMG000000152614	0
rs929820	0.0009	5	58393332	PDE4D;OTTHUMG000000162218	0
rs9807015	0.0009	17	49435657	OTTHUMG000000162374;RP11-1018N14.2	15725
rs3094045	0.0009	6	-9	N/A	-9
rs2828686	0.0009	21	25371178	AP000477.2;OTTHUMG000000078275	-31590
rs1728390	0.0009	16	86414059	AC092327.1	-34774
rs331101	0.0009	2	150843072	AC007364.1;OTTHUMG000000153746	-127367
rs6886088	0.0009	5	152460791	AC091969.1;OTTHUMG000000163486	0
rs2662697	0.0009	4	121266964	RP11-679C8.2;OTTHUMG000000161124	0
rs16970654	0.0009	17	75912171	AC015804.1	-4009
rs17406084	0.0009	2	77226406	OTTHUMG000000152840;AC079117.1	0
rs6722889	0.0009	2	202304082	OTTHUMG000000132822;TRAK2	0
rs17427572	0.0009	1	22287866	OTTHUMG000000002758;CELA3B	-15648
rs761570	0.0009	20	912626	OTTHUMG000000031652;ANGPT4	-15666
rs597582	0.0009	19	7619239	PNPLA6	0
rs7969125	0.0009	12	10244716	CLEC1A	0
rs1411701	0.0009	1	94635028	ARHGAP29;OTTHUMG000000010643	2279
rs10998872	0.0009	10	71351750	OTTHUMG000000018387;RP11-343J3.5	0
rs1193320	0.0009	8	19073549	RP11-618M23.1;OTTHUMG000000160400	-21698
rs11940866	0.0009	4	127105857	RP11-318I4.2;OTTHUMG000000161148	-77779
rs970269	0.0009	6	-9	N/A	-9

rs12467212	0.0009	2	187264986	OTTHUMG00000154254;AC017071.1	35131
rs1929886	0.0009	9	81336260	AL592047.5	-20055
rs7753048	0.0009	6	132217687	ENPP1;OTTHUMG00000015572	1392
rs7774296	0.0009	6	6391152	RP3-398D13.3;OTTHUMG00000014192	0
rs848374	0.0009	7	108534194	OTTHUMG00000154867;C7orf66	-9550
rs10508312	0.0009	10	6814474	OTTHUMG00000017627;RP11-799O21.1	-7086
rs1909643	0.0009	10	61329938	OTTHUMG00000018281;RP11-135D11.3	-18302
rs4572283	0.0009	13	43188559	TNFSF11;OTTHUMG00000016807	6410
rs4707889	0.0009	6	68847507	RP11-542F9.1;OTTHUMG00000014978	77113
rs4871930	0.0009	8	24691440	NEFM;OTTHUMG00000131990	-79085
rs10998031	0.0009	10	53303397	PRKG1;OTTHUMG00000018248	0
rs2292382	0.0009	18	47624937	MYO5B	0
rs2910642	0.001	5	58396111	PDE4D;OTTHUMG00000162218	0
rs8045545	0.001	16	56730361	MT1A	0
rs3855819	0.001	4	111727163	RP11-777N19.1;OTTHUMG00000161115	8663
rs4812831	0.001	20	43018260	RP5-881L22.4;OTTHUMG00000032525	0
rs17095472	0.001	14	27949721	OTTHUMG00000157680;CTD-3006G17.1	-221349
rs10510825	0.001	3	60089314	FHIT;OTTHUMG00000158591	0
rs1356672	0.001	4	186935372	AC104070.1	12238
rs7906222	0.001	10	61330485	RP11-135D11.2;OTTHUMG00000018280	-18423
rs2835885	0.001	21	39039566	OTTHUMG00000086667;KCNJ6	0
rs4810269	0.001	20	38142828	AL031661.1	161194
rs2732091	0.001	8	71918423	EYA1;OTTHUMG00000149894	191245
rs12924838	0.001	16	6197835	AC012175.1	-387046
rs477874	0.001	10	120311534	OTTHUMG00000019134;RP11-36N22.1	-20849
rs9859077	0.001	3	101136402	OTTHUMG00000149927;SENP7	0
rs13092264	0.001	3	15514297	COLQ;OTTHUMG00000156233	0
rs11033414	0.001	11	36114950	LDLRAD3	0
rs1002508	0.001	12	130752632	AC026764.1	47520
rs10497857	0.001	2	201237345	OTTHUMG00000154589;SPATS2L	0
rs17217280	0.001	9	32480251	DDX58;OTTHUMG00000019746	0
rs17105569	0.001	1	81338600	AC091613.1	68052
rs2146199	0.001	1	168982863	RP11-375F2.2;OTTHUMG00000034588	0
rs1434160	0.001	2	205987805	PARD3B;OTTHUMG00000154562	0
rs4362677	0.001	3	157667357	AC055761.1	-18843
rs12648827	0.001	4	115497587	UGT8;OTTHUMG00000132915	-22024
rs1205032	0.001	6	3485134	AL160398.1	24102

rs1205038	0.001	6	3485964	AL160398.1	24932
rs3132671	0.001	6	-9	N/A	-9
rs4764437	0.001	12	19092190	RP11-282K24.1;OTTHUMG000000157497	-149895
rs41457949	0.001	17	46123983	NFE2L1	-1703
rs17131127	0.001	1	91135628	AC092805.1	12108
rs12498177	0.001	4	15914801	FGFBP1;OTTHUMG000000097745	22391
rs10770516	0.001	12	19818502	AC090059.1	-58867
rs1536792	0.001	9	12972382	RP11-382H24.3;OTTHUMG000000019559	460
rs1853601	0.001	9	83506301	RP11-289F5.1;OTTHUMG000000020080	-20091
rs10848493	0.001	12	1598223	ERC1;OTTHUMG000000130138	0
rs4780082	0.001	15	33415482	FMN1	0
rs7187986	0.001	16	6180806	AC012175.1	-370017
rs2245220	0.001	20	4705718	PRND;OTTHUMG000000031789	0
rs2244438	0.001	2	202252539	OTTHUMG000000132822;TRAK2	0
rs2026718	0.001	9	12964715	RP11-382H24.3;OTTHUMG000000019559	8127
rs1954664	0.001	14	27955256	OTTHUMG000000157680;CTD-3006G17.1	-226884
rs4780972	0.001	16	10757882	OTTHUMG000000129750;TEKT5	0
rs4783689	0.001	16	68853671	CDH1;CADH1;OTTHUMG000000137561	0
rs17551841	0.001	2	12266365	OTTHUMG000000151709;AC096559.1	0
rs1205036	0.001	6	3485486	AL160398.1	24454
rs4726388	0.001	7	153917016	OTTHUMG000000151511;DPP6	0
rs10867258	0.001	9	81370463	AL592047.4	-12035
rs6517645	0.001	21	42382478	C21orf130;OTTHUMG000000086741	130949
rs10864997	0.0011	2	4863214	AC092169.1	11377
rs7810507	0.0011	7	130437476	OTTHUMG000000155002;KLF14	-18616
rs10512079	0.0011	9	81372519	AL592047.4	-14091
rs7905945	0.0011	10	61330297	RP11-135D11.2;OTTHUMG000000018280	-18611
rs1774644	0.0011	10	112115666	OTTHUMG000000019036;SMNDC1	-50957
rs4843599	0.0011	16	87383709	FBXO31	0
rs4791449	0.0011	17	10939187	AC005284.1	-17918
rs2129663	0.0011	12	131088522	RIMBP2	-86112
rs4799450	0.0011	18	35028901	CELF4	0
rs952299	0.0011	4	12725653	AC096750.1	73052
rs11099756	0.0011	4	151063917	DCLK2;OTTHUMG000000161444	0
rs2272225	0.0011	7	96309021	OTTHUMG000000150680;SHFM1	0
rs13302370	0.0011	9	31191671	RP11-572H4.1;OTTHUMG000000019734	-24693
rs8074198	0.0011	17	49421483	OTTHUMG000000162374;RP11-1018N14.2	1551

rs2895332	0.0011	22	17591089	IL17RA;OTTHUMG00000150026	0
rs10176493	0.0011	2	22558959	OTTHUMG00000151808;AC068490.2	0
rs895882	0.0011	2	200303015	OTTHUMG00000132767;SATB2	0
rs7645977	0.0011	3	177694171	AC007953.1	31289
rs9791179	0.0011	6	106254835	AL596112.1	-97413
rs3807737	0.0011	7	77729487	MAGI2	0
rs2732102	0.0011	8	71922872	EYA1;OTTHUMG00000149894	186796
rs2777683	0.0011	9	83675513	RP11-289F5.1;OTTHUMG00000020080	-189303
rs17149329	0.0011	11	86424719	ME3	-41191
rs11615787	0.0011	12	41190833	CNTN1	-111323
rs1541243	0.0011	1	164875964	OTTHUMG00000034480;RP11-403P14.1	14590
rs3129819	0.0011	6	-9	N/A	-9
rs848385	0.0011	7	108531984	OTTHUMG00000154867;C7orf66	-7340
rs9301098	0.0011	13	106682612	AL603632.1	-98108
rs3746674	0.0011	20	4764629	RASSF2;OTTHUMG00000031790	0
rs1837891	0.0011	4	90736131	SNCA;OTTHUMG00000130948	0
rs335359	0.0011	6	155650887	TFB1M;OTTHUMG00000015881	-15260
rs8110889	0.0011	19	34177770	CHST8	0
rs7550217	0.0011	1	100109949	PALMD;OTTHUMG00000010764	-1550
rs13403118	0.0011	2	187079250	OTTHUMG00000154255;AC093038.1	46900
rs2452952	0.0011	6	92796236	AL590814.1	-33004
rs11621971	0.0011	14	51124527	SAV1;OTTHUMG00000140293	0
rs9948984	0.0011	18	35027696	CELF4	0
rs10497836	0.0011	2	200288718	OTTHUMG00000132767;SATB2	0
rs7718943	0.0011	5	174921431	OTTHUMG00000130555;SFXN1	0
rs1501409	0.0011	7	121862247	RP11-560I19.1;OTTHUMG00000157098	3756
rs17538775	0.0011	12	32732329	OTTHUMG00000137374;FGD4	0
rs1079988	0.0012	1	14367959	C1orf196;OTTHUMG00000008026	0
rs1421049	0.0012	10	113754347	GPAM;OTTHUMG00000019055	155277
rs6574950	0.0012	14	26873452	NOVA1;OTTHUMG00000029385	41637
rs2283418	0.0012	14	72579936	RGS6	0
rs721390	0.0012	2	77094790	LRRTM4;OTTHUMG00000152842	0
rs473945	0.0012	9	12840928	C9orf150;OTTHUMG00000019557	18798
rs10867246	0.0012	9	81352266	AL592047.5	-4049
rs1450360	0.0012	16	60389893	AC018554.1	2466
rs6101547	0.0012	20	38074295	AL031661.1	92661
rs2835906	0.0012	21	39082804	OTTHUMG00000086667;KCNJ6	0

rs6763000	0.0012	3	136761687	OTTHUMG00000159779;IL20RB	31760
rs1963008	0.0012	4	177015194	OTTHUMG00000160791;WDR17	0
rs2066119	0.0012	9	1635747	AL358934.1	301794
rs7031588	0.0012	9	101822302	COL15A1;OTTHUMG00000020351	0
rs11222220	0.0012	11	130488342	OTTHUMG00000150705;C11orf44	-54509
rs6657363	0.0012	1	14370245	C1orf196;OTTHUMG00000008026	0
rs1437934	0.0012	2	150765489	AC007364.1;OTTHUMG00000153746	-49784
rs9815195	0.0012	3	1301130	OTTHUMG00000119030;CNTN6	0
rs12654005	0.0012	5	58370838	PDE4D;OTTHUMG00000162218	0
rs7022784	0.0012	9	36147128	GLIPR2;OTTHUMG00000019900	0
rs9533567	0.0012	13	44225066	ENOX1;OTTHUMG00000016818	0
rs6129320	0.0012	20	38073236	AL031661.1	91602
rs34426652	0.0012	4	2335396	OTTHUMG00000160292;ZFYVE28	0
rs2130928	0.0012	4	23712946	OTTHUMG00000160278;RP11-380P13.1	0
rs984800	0.0012	5	62367195	AC113420.1	-12037
rs2555275	0.0012	12	119587953	SRRM4	0
rs6511018	0.0012	19	19186705	SLC25A42	0
rs13115084	0.0012	4	4546923	OTTHUMG00000159923;RP11-323F5.2	0
rs848386	0.0012	7	108531829	OTTHUMG00000154867;C7orf66	-7185
rs10984378	0.0012	9	121803888	DBC1;OTTHUMG00000021020	111848
rs9951547	0.0012	18	63106238	AC114688.1	-36511
rs6775133	0.0012	3	63509964	OTTHUMG00000158699;SYNPR	0
rs7622692	0.0012	3	189340241	TP63;OTTHUMG00000156313	-8964
rs7835137	0.0012	8	128675771	AC108925.1	22818
rs10826316	0.0012	10	61331087	RP11-135D11.2;OTTHUMG00000018280	-17821
rs623229	0.0012	1	48027067	RP4-666O22.2;OTTHUMG00000007966	10642
rs1931572	0.0012	1	94588992	ABCR ;ABCA4;OTTHUMG00000010622	-2304
rs17608026	0.0012	4	38195269	AC098680.2	-44965
rs3132636	0.0012	6	-9	N/A	-9
rs2306894	0.0012	12	10251445	CLEC1A	0
rs1411700	0.0012	1	94634963	ARHGAP29;OTTHUMG00000010643	2344
rs6426885	0.0012	1	164903228	OTTHUMG00000034480;RP11-403P14.1	-12362
rs1975386	0.0012	2	4855697	AC092169.1	18894
rs1522988	0.0012	2	45865675	OTTHUMG00000128817;PRKCE	-12809
rs6463049	0.0012	7	41878017	AC005027.4;OTTHUMG00000155114	59031
rs6967655	0.0012	7	153024613	AC073236.3;OTTHUMG00000151464	72392
rs4955848	0.0012	3	55392281	RP11-875H7.2;OTTHUMG00000158358	2190

rs11243307	0.0012	6	981976	RP5-1077H22.1;OTTHUMG00000014118	-19465
rs17798871	0.0012	7	51062256	OTTHUMG00000155997;RP4-724E13.2	0
rs642174	0.0012	8	36124334	AC124073.1	52
rs2732090	0.0012	8	71918257	EYA1;OTTHUMG00000149894	191411
rs11244489	0.0012	10	127131942	RPS27P18;OTTHUMG00000019226	30313
rs572528	0.0012	15	53972484	WDR72;OTTHUMG00000131939	0
rs8096468	0.0012	18	73602007	AC090338.1	-177667
rs10498255	0.0013	2	231612230	OTTHUMG00000133220;CAB39	0
rs2065887	0.0013	9	1634740	AL358934.1	300787
rs12587635	0.0013	14	98173538	AL163872.1	-20543
rs11133874	0.0013	5	17040764	AC026790.1	76921
rs11791715	0.0013	9	83667401	RP11-289F5.1;OTTHUMG00000020080	-181191
rs4931019	0.0013	12	32746331	OTTHUMG00000137374;FGD4	0
rs284898	0.0013	15	76750695	SCAPER	0
rs9900652	0.0013	17	71273999	AC087301.1	0
rs3127503	0.0013	1	187662030	OTTHUMG00000035625;RP11-393M18.4	-13662
rs3120958	0.0013	1	187662310	OTTHUMG00000035625;RP11-393M18.4	-13382
rs3904536	0.0013	10	85577128	AC069540.1	52908
rs7554730	0.0013	1	164885860	OTTHUMG00000034480;RP11-403P14.1	4694
rs2222610	0.0013	7	122647812	TAS2R16;OTTHUMG00000157090	-12058
rs4612246	0.0013	7	153913038	OTTHUMG00000151511;DPP6	0
rs2305612	0.0013	3	15518731	COLQ;OTTHUMG00000156233	0
rs7971843	0.0013	12	129899658	TMEM132D	0
rs466541	0.0013	21	15970716	OTTHUMG00000074315;AF165138.7	0
rs7575523	0.0013	2	59335104	AC007092.1;OTTHUMG00000152613	44203
rs9384582	0.0013	6	106221407	RP3-359N14.1;OTTHUMG00000016419	105534
rs6683932	0.0013	1	184447624	OTTHUMG00000035386;C1orf21	0
rs4666562	0.0013	2	19948931	AC019055.1;OTTHUMG00000151775	31594
rs10497868	0.0013	2	202304040	OTTHUMG00000132822;TRAK2	0
rs2316481	0.0013	3	56199963	OTTHUMG00000158390;ERC2	0
rs28420079	0.0013	4	30737146	PCDH7;OTTHUMG00000160364	0
rs17361495	0.0013	4	153113117	RP11-18H21.2;OTTHUMG00000161723	-13392
rs7763928	0.0013	6	106209759	RP3-359N14.1;OTTHUMG00000016419	93886
rs565583	0.0013	6	137562335	IFNGR1;OTTHUMG00000015656	-21749
rs9663367	0.0013	10	19776910	C10orf112;OTTHUMG00000017779	0
rs4775014	0.0013	15	58444556	AQP9;OTTHUMG00000132631	0
rs2647463	0.0013	1	220155228	EPRS;OTTHUMG00000037433	0

rs11688172	0.0013	2	150793155	AC007364.1;OTTHUMG00000153746	-77450
rs17458714	0.0013	3	85601301	CADM2;OTTHUMG00000158990	-174331
rs16886744	0.0013	5	56380977	RP11-101B14.4;OTTHUMG00000162326	-3199
rs2644671	0.0013	5	174937975	OTTHUMG00000130555;SFXN1	0
rs713286	0.0013	8	9171735	AC022784.1	-26647
rs4482278	0.0013	16	56726874	MT1A	0
rs35451508	0.0013	17	-9	N/A	-9
rs1990410	0.0013	2	107786595	AC006227.1;OTTHUMG00000153205	84552
rs13137924	0.0013	4	30643978	RP11-495L18.2;OTTHUMG00000160368	77060
rs2732087	0.0013	8	71860439	AC020987.1	-167196
rs581984	0.0013	11	87963023	RAB38	-54388
rs2391467	0.0014	1	94850443	OTTHUMG00000010653;RP11-366L18.1	21512
rs4613321	0.0014	2	650647	TMEM18;OTTHUMG00000151381	16688
rs16856652	0.0014	1	163574728	AL513307.1	95343
rs17670898	0.0014	2	20599304	AC007041.1	2084
rs17346216	0.0014	3	64299967	PRICKLE2;OTTHUMG00000158789	-46312
rs273077	0.0014	5	174955746	OTTHUMG00000130555;SFXN1	0
rs4759644	0.0014	12	130762251	AC026764.1	37901
rs3120970	0.0014	1	187675285	OTTHUMG00000035625;RP11-393M18.4	-407
rs2130926	0.0014	4	23712830	OTTHUMG00000160278;RP11-380P13.1	0
rs1205030	0.0014	6	3484797	AL160398.1	23765
rs919529	0.0014	7	84490873	OTTHUMG00000154642;AC093716.1	-13304
rs1348535	0.0014	8	71662741	XKR9	14565
rs10836244	0.0014	11	34481095	CAT;OTTHUMG00000044353	0
rs10198652	0.0014	2	55538976	CCDC88A;OTTHUMG00000151915	0
rs581403	0.0014	6	6556120	RP3-398D13.3;OTTHUMG00000014192	0
rs7854823	0.0014	9	93126348	OTTHUMG00000020194;RP11-389K14.3	0
rs7953222	0.0014	12	31311075	AC008013.3	0
rs1079989	0.0014	1	14367635	C1orf196;OTTHUMG00000008026	0
rs10192503	0.0014	2	2604810	AC018685.1;OTTHUMG00000151395	40951
rs1344156	0.0014	5	178950814	AC136628.1	0
rs7768436	0.0014	6	118541407	SLC35F1;OTTHUMG00000015460	0
rs7143078	0.0014	14	72613949	RGS6	0
rs9892194	0.0014	17	55825825	AC007431.1;OTTHUMG00000132063	-3152
rs11131099	0.0014	3	848802	AC090044.1;OTTHUMG00000154876	0
rs2030350	0.0014	3	166749553	AC092965.1	6266
rs230681	0.0014	5	13494184	OTTHUMG00000161748;CTD-2042D5.1	59579

rs1333656	0.0014	6	10296486	RP1-290I10.2;OTTHUMG00000014229	69371
rs11053580	0.0014	12	10249358	CLEC1A	0
rs6711012	0.0014	2	624034	TMEM18;OTTHUMG000000151381	43301
rs2572318	0.0014	4	90718719	SNCA;OTTHUMG000000130948	0
rs2051169	0.0014	8	35934191	AC124073.1	-189812
rs7048728	0.0014	9	93104329	OTTHUMG00000020194;RP11-389K14.3	0
rs11675753	0.0014	2	206455402	PARD3B;OTTHUMG000000154562	0
rs7830550	0.0014	8	71570431	LACTB2	0
rs1887241	0.0014	10	14161557	FRMD4A;OTTHUMG000000017708	0
rs12895415	0.0014	14	72572155	RGS6	0
rs11159287	0.0014	14	25890366	AL163052.1	-153824
rs12924882	0.0014	16	6180907	AC012175.1	-370118
rs3127502	0.0014	1	187661803	OTTHUMG000000035625;RP11-393M18.4	-13889
rs3130362	0.0014	6	-9	N/A	-9
rs11222221	0.0014	11	130488369	OTTHUMG000000150705;C11orf44	-54482
rs7321962	0.0014	13	97929231	OTTHUMG000000017239;MBNL2	0
rs3120971	0.0015	1	187676781	OTTHUMG000000035625;RP11-393M18.4	0
rs2867109	0.0015	2	651030	TMEM18;OTTHUMG000000151381	16305
rs17506660	0.0015	5	120388740	CTD-2613O8.1;OTTHUMG000000163022	-6199
rs1721400	0.0015	7	38060785	SFRP4;OTTHUMG000000023026	0
rs10777965	0.0015	12	99626553	ANKS1B	0
rs1013518	0.0015	6	-9	N/A	-9
rs1583147	0.0015	7	84471207	OTTHUMG000000154642;AC093716.1	5986
rs10989153	0.0015	9	103319797	TMEFF1;OTTHUMG000000020367	0
rs12328774	0.0015	2	202882897	FZD7;OTTHUMG000000132841	-16413
rs9847400	0.0015	3	189372997	TP63;OTTHUMG000000156313	0
rs2383666	0.0015	1	187666751	OTTHUMG000000035625;RP11-393M18.4	-8941
rs6428056	0.0015	1	188672106	RP11-316I3.1;OTTHUMG000000035544	2648
rs7588300	0.0015	2	200308530	OTTHUMG000000132767;SATB2	0
rs9813959	0.0015	3	16710679	DAZL;OTTHUMG000000157050	0
rs6439982	0.0015	3	140939428	OTTHUMG000000160171;ACPL2	-8140
rs10804951	0.0015	3	192983331	OTTHUMG000000156104;HRASLS	0
rs1531305	0.0015	4	58960261	OTTHUMG000000160660;RP11-25L5.1	-9052
rs2283079	0.0015	7	126496513	OTTHUMG000000022888;GRM8	0
rs7180721	0.0015	15	96816581	AC012409.1	0
rs236387	0.0015	6	36784327	CPNE5;OTTHUMG000000014602	0
rs7814274	0.0015	8	71570411	LACTB2	0

rs13257800	0.0015	8	71714133	AC020987.1	-20890
rs4584535	0.0015	11	25255960	LUZP2	155756
rs4611418	0.0015	15	29443503	FAM189A1	0
rs7217284	0.0015	17	59336394	BCAS3	0
rs2991986	0.0015	1	46081282	OTTHUMG00000007826;NASP	0
rs6656330	0.0015	1	48029727	RP4-666O22.2;OTTHUMG00000007966	13302
rs11926918	0.0015	3	117506589	RP11-384F7.2;OTTHUMG00000159530	0
rs4697518	0.0015	4	24993167	LGI2;OTTHUMG00000097749	7302
rs4868311	0.0015	5	173165659	BOD1;OTTHUMG00000130540	-121996
rs743386	0.0015	21	33236455	OTTHUMG00000085019;HUNK	-9173
rs2836358	0.0015	21	39764016	ERG;OTTHUMG00000090767	0
rs6712841	0.0015	2	174313400	AC073465.1;OTTHUMG00000154105	-16860
rs9290289	0.0015	3	166056401	RP11-12N13.1;OTTHUMG00000158170	44260
rs3132644	0.0015	6	-9	N/A	-9
rs748121	0.0015	9	93112028	OTTHUMG00000020194;RP11-389K14.3	0
rs2398009	0.0015	10	10045145	OTTHUMG00000017655;RP5-933E2.1	-55540
rs9317182	0.0015	13	61925472	PCDH20;OTTHUMG00000017012	58349
rs11682343	0.0015	2	85668988	AC016753.1	51
rs6911094	0.0015	6	118541566	SLC35F1;OTTHUMG00000015460	0
rs3108090	0.0015	7	67783656	RP5-945F2.3;OTTHUMG00000156582	-30436
rs2977486	0.0015	8	141566579	EIF2C2	0
rs12263577	0.0015	10	10077215	OTTHUMG00000017655;RP5-933E2.1	-23470
rs7249392	0.0015	19	34090877	CTD-2329C7.1;OTTHUMG00000158155	-10283
rs2199312	0.0015	4	115434478	UGT8;OTTHUMG00000132915	-85133
rs6857285	0.0015	4	119650630	SEC24D;OTTHUMG00000132957	0
rs6895202	0.0015	5	27199236	OTTHUMG00000090671;CDH9	-77979
rs328906	0.0015	7	35023915	DPY19L1;OTTHUMG00000154888	0
rs4728560	0.0015	7	84359284	OTTHUMG00000154642;AC093716.1	117909
rs2210416	0.0015	9	81394130	AL592047.4	-35702
rs7132055	0.0015	12	122346034	AC069503.1	0
rs12463166	0.0015	19	34174260	CHST8	0
rs2185903	0.0016	1	164902821	OTTHUMG00000034480;RP11-403P14.1	-11955
rs4321762	0.0016	5	30097218	AC010374.1	147981
rs760900	0.0016	6	50796634	OTTHUMG00000014836;TFAP2B	0
rs11254761	0.0016	10	6857518	OTTHUMG00000017627;RP11-799O21.1	0
rs1678953	0.0016	12	122385213	WDR66	0
rs3130641	0.0016	6	-9	N/A	-9

rs7910586	0.0016	10	14720930	FAM107B;OTTHUMG00000017709	0
rs1654	0.0016	22	17596388	IL17RA;OTTHUMG00000150026	0
rs3949342	0.0016	1	120014798	OTTHUMG00000012522;RP5-871G17.4	0
rs890348	0.0016	3	188241949	LPP;OTTHUMG00000156387	0
rs10773799	0.0016	12	131085923	RIMBP2	-83513
rs858010	0.0016	21	39065239	OTTHUMG00000086667;KCNJ6	0
rs2124491	0.0016	3	15529405	COLQ;OTTHUMG00000156233	0
rs17551536	0.0016	2	12252350	OTTHUMG00000151709;AC096559.1	0
rs2306319	0.0016	10	3179842	PFKP;OTTHUMG00000017556	0
rs7088922	0.0016	10	4611369	AC022535.1	54120
rs11915970	0.0016	3	56169965	OTTHUMG00000158390;ERC2	0
rs2575139	0.0016	13	104664631	N/A	-9
rs2453568	0.0016	17	19457509	SLC47A1;OTTHUMG00000059466	0
rs11660192	0.0016	18	20194159	RP11-863N1.1;OTTHUMG00000158176	26969
rs881926	0.0016	7	38029785	SFRP4;OTTHUMG00000023026	0
rs2030661	0.0017	3	951367	AC090044.2;OTTHUMG00000154884	51593
rs236395	0.0017	6	36776677	CPNE5;OTTHUMG00000014602	0
rs1015330	0.0017	6	36786072	CPNE5;OTTHUMG00000014602	0
rs4718559	0.0017	7	66867876	AC099758.1	-3258
rs11622031	0.0017	14	24624191	OTTHUMG00000028798;RNF31	0
rs6572682	0.0017	14	51144800	SAV1;OTTHUMG00000140293	-9751
rs16855558	0.0017	1	205388175	OTTHUMG00000037201;LEMD1	0
rs6796490	0.0017	3	48237104	OTTHUMG00000133535;CDC25A	-7212
rs10474498	0.0017	5	76614587	PDE8B;OTTHUMG00000102170	0
rs9656797	0.0017	8	115181572	AC046174.1	218345
rs911546	0.0017	10	105530990	SH3PXD2A;OTTHUMG00000018997	0
rs4314021	0.0017	2	22639186	OTTHUMG00000151815;AC096570.2	0
rs10144234	0.0017	14	51172219	AL358334.1	0
rs678892	0.0017	15	55632859	PIGB	0
rs1547924	0.0017	1	46085112	OTTHUMG00000007826;NASP	546
rs4397657	0.0017	1	188672537	RP11-316I3.1;OTTHUMG00000035544	2217
rs7689746	0.0017	4	95574123	OTTHUMG00000130973;PDLIM5	0
rs1432628	0.0017	5	148251668	ADRB2;OTTHUMG00000129933	43480
rs7799648	0.0017	7	84503579	OTTHUMG00000154605;AC074183.2	-2291
rs762018	0.0017	14	89425304	TTC8	80970
rs1420679	0.0017	16	49609203	ZNF423	0
rs17011370	0.0017	2	75692623	FAM176A;OTTHUMG00000129991	3805

rs7751261	0.0017	6	5541394	FARS2;OTTHUMG00000014178	0
rs3132666	0.0017	6	-9	N/A	-9
rs4240586	0.0017	6	100520931	RP11-14I4.3;OTTHUMG00000015271	0
rs2817536	0.0017	14	47008184	OTTHUMG00000157869;RPL10L	112038
rs3792074	0.0017	2	231665946	OTTHUMG00000133220;CAB39	0
rs298998	0.0017	4	119623467	OTTHUMG00000161167;METTL14	0
rs35068	0.0017	12	31148662	TSPAN11	0
rs886895	0.0017	17	10958454	AC005284.1	1202
rs17160256	0.0017	1	146967196	RP11-441L11.1;OTTHUMG00000041476	18962
rs4784368	0.0017	16	51594190	AC084058.1	-85539
rs9543150	0.0017	13	73441917	PIBF1;OTTHUMG00000017071	0
rs6756729	0.0017	2	233957253	OTTHUMG00000133688;INPP5D	0
rs17633132	0.0017	8	17500119	PDGFRL;OTTHUMG00000130818	0
rs2820917	0.0017	9	7192313	OTTHUMG00000019536;KDM4C	16665
rs157768	0.0017	15	76833779	SCAPER	0
rs8105572	0.0017	19	7809327	CD209	0
rs6662320	0.0017	1	14370368	C1orf196;OTTHUMG00000008026	0
rs1931020	0.0017	6	10155671	OFCC1;OTTHUMG00000159104	0
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rs7318424	0.0018	13	111021623	OTTHUMG00000017344;COL4A2	0
rs17105723	0.0018	14	77810194	TMED8	0
rs284907	0.0018	15	76741569	SCAPER	0
rs1972410	0.0018	1	46080947	OTTHUMG00000007826;NASP	0
rs7546417	0.0018	1	114668299	SYT6;OTTHUMG00000011755	0
rs9684084	0.0018	4	137408445	RP11-625B21.1;OTTHUMG00000161241	-65946
rs9604118	0.0018	13	114106698	OTTHUMG00000017386;ADPRHL1	0
rs216568	0.0018	18	54049240	AC009271.1	-190747
rs17013635	0.0018	2	77263452	LRRTM4;OTTHUMG00000152842	0
rs17147703	0.0018	5	120725880	OTTHUMG00000162941;CTC-546K23.1	64348
rs6944332	0.0018	7	6758018	PMS2CL;OTTHUMG00000151857	0
rs725961	0.0018	9	81349656	AL592047.5	-6659
rs2618321	0.0018	3	105699113	OTTHUMG00000150654;CBLB	-110717
rs6875540	0.0018	5	62367454	AC113420.1	-11778
rs2723260	0.0018	12	40601708	LRRK2;OTTHUMG00000059742	0
rs10514573	0.0018	16	83453851	CDH13	0
rs11728822	0.0018	4	143462713	INPP4B;OTTHUMG00000161341	0
rs8000773	0.0018	13	46123555	FAM194B;OTTHUMG00000016856	0

rs2401785	0.0018	14	89417252	TTC8	72918
rs6716271	0.0018	2	68398919	PNO1;OTTHUMG00000129563	0
rs11949240	0.0018	5	17042902	AC026790.1	74783
rs6891378	0.0018	5	115750865	OTTHUMG00000162922;COMMD10	2406
rs11989734	0.0018	8	118244191	SLC30A8	55238
rs1951337	0.0018	14	89423736	TTC8	79402
rs148210	0.0018	1	114749024	RP4-543J13.1;OTTHUMG00000011899	-25
rs13401780	0.0018	2	55294916	RTN4;OTTHUMG00000129337	0
rs4712535	0.0018	6	10299923	RP1-290I10.2;OTTHUMG00000014229	65934
rs1982016	0.0018	7	84444871	OTTHUMG00000154642;AC093716.1	32322
rs7821344	0.0018	8	20184824	OTTHUMG00000097027;LZTS1	-23350
rs9587062	0.0018	13	106665115	AL138701.1	-115123
rs6128241	0.0018	20	56577581	AL354984.2	26432
rs12637095	0.0018	3	118192303	RP11-384F7.1;OTTHUMG00000159346	0
rs2503662	0.0018	6	92756602	RP11-173O8.1;OTTHUMG00000015223	32150
rs2023328	0.0018	7	35031630	DPY19L1;OTTHUMG00000154888	0
rs13273773	0.0018	8	71779247	AC020987.1	-86004
rs10114509	0.0018	9	1635701	AL358934.1	301748
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rs8048358	0.0018	16	9390035	RP11-473I1.1;OTTHUMG00000158086	-139297
rs16942361	0.0018	17	55840238	AC007431.1;OTTHUMG00000132063	-17565
rs2925773	0.0018	8	24741725	NEFM;OTTHUMG00000131990	-28800
rs1832746	0.0018	9	18499087	ADAMTSL1;OTTHUMG00000019604	0
rs2478291	0.0018	13	106636340	AL138701.1	-86348
rs2729118	0.0018	3	1118039	AC087430.1	-10480
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rs11043885	0.0018	12	18287994	RERGL	-44880
rs4767254	0.0018	12	115198392	AC026765.2	0
rs225842	0.0018	14	30552936	OTTHUMG00000157690;RP11-269C4.1	27776
rs3024660	0.0018	16	27371158	IL4R;OTTHUMG00000097015	0
rs10180656	0.0019	2	52790140	AC139712.2;OTTHUMG00000151839	-7646
rs7568564	0.0019	2	125430787	OTTHUMG00000153356;CNTNAP5	0
rs2134224	0.0019	3	122002178	OTTHUMG00000159491;CASR	0
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rs724975	0.0019	9	121788712	DBC1;OTTHUMG00000021020	127024
rs11671361	0.0019	19	16926067	NWD1	0

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rs4800418	0.0019	18	20146740	RP11-863N1.1;OTTHUMG00000158176	-19688
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rs11696066	0.0019	2	5295956	AC073143.1;OTTHUMG00000151417	157917
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rs2100667	0.0019	1	188673494	RP11-316I3.1;OTTHUMG00000035544	1260
rs10510169	0.0019	3	1315199	OTTHUMG00000119030;CNTN6	0
rs6834812	0.0019	4	61061173	AC092596.2	361288
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rs298992	0.0019	4	119641941	SEC24D;OTTHUMG00000132957	2037
rs6847706	0.0019	4	119661552	SEC24D;OTTHUMG00000132957	0
rs1592853	0.0019	5	98051737	CTC-463N11.1;OTTHUMG00000162746	34666
rs10486147	0.0019	7	11659973	OTTHUMG00000152346;THSD7A	0
rs985492	0.0019	18	29311034	AC017100.1	11863
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rs7894473	0.0019	10	71511081	RP11-242G20.2;OTTHUMG00000018392	-27637
rs7260649	0.0019	19	57487497	AC044792.1	53709
rs1572516	0.0019	1	103591909	COL11A1;OTTHUMG00000010872	-17857
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rs4775184	0.0019	15	59862200	AC092754.1	4102
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rs4501794	0.002	1	187677281	OTTHUMG00000035625;RP11-393M18.4	0
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rs2275086	0.002	1	46085879	CCDC17;OTTHUMG00000007822	0
rs7521970	0.002	1	59756222	OTTHUMG00000008424;FGGY	-6245
rs2167197	0.002	3	13669664	FBLN2;OTTHUMG00000155437	0

rs7156303	0.002	14	47095317	OTTHUMG00000157869;RPL10L	24905
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rs11102463	0.002	1	112901349	RP5-965F6.2;OTTHUMG00000012183	0
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rs166641	0.002	5	174955572	OTTHUMG00000130555;SFXN1	0
rs17325644	0.002	10	85576980	AC069540.1	52760
rs1998137	0.002	14	26875807	NOVA1;OTTHUMG00000029385	39282
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rs2004115	0.002	2	19811100	AC019055.1;OTTHUMG00000151775	-100376
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rs2850761	0.002	18	60966397	OTTHUMG00000132791;BCL2	0
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rs8048671	0.002	16	13336444	OTTHUMG00000154258;SHISA9	6878
rs2305691	0.002	16	57171397	CPNE2;OTTHUMG00000133471	0
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rs11037473	0.0021	11	43576067	OTTHUMG00000154881;AC023085.1	-2241
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rs2820312	0.0021	1	201869257	OTTHUMG000000035802;LMOD1	0
rs17075993	0.0021	3	43800881	OTTHUMG000000156509;RP4-672N11.1	19572
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rs10517558	0.0021	4	63101140	OTTHUMG000000157487;RP11-30P21.1	-12872
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rs7742219	0.0022	6	158169955	AL133510.1	-36833
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rs6659197	0.0022	1	66239897	AL513493.1	-12865
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