

Supplementary Table 1. Whole Exome Sequencing (WES) quality for all samples used in WES analysis. Each case had three sample types (normal tissue [skin or buccal swab], acute lymphoblastic leukemia, and multiple myeloma). Mean coverage represents average coverage across all bases in the target region. Percent bases 20X represents the total number of bases in the target region that attained at least 20X coverage, and percent on-target represents the total number of reads that aligned to target regions. Increased coverage (>100X coverage) was obtained for regions with spike-in, including the *TP53* locus.

Sample Name	Tumor Type	Mean Coverage	Percent Bases 20X	Percent On-target	Call
GTB-1	germline	70.4	0.925	0.3569	PASS
	ALL	50.3	0.920	0.3558	PASS
	MM	30.4	0.924	0.3566	PASS
GTB-3	germline	74.4	0.923	0.3564	PASS
	ALL	25.5	0.924	0.3567	PASS
	MM	25.5	0.935	0.3579	PASS
GTB-7	germline	59.0	0.967	0.3243	PASS
	ALL	94.2	0.979	0.249	PASS
	MM	50.4	0.930	0.1118	PASS
GTB-8	germline	112.5	0.972	0.7136	PASS
	ALL	122.0	0.973	0.6916	PASS
	MM	48.6	0.962	0.2098	PASS
GTB-9	germline	79.4	0.976	0.3086	PASS
	ALL	118.5	0.984	0.3108	PASS
	MM	22.8	0.448	0.1520	LOW QC
GTB-10	germline	109.6	0.982	0.3082	PASS
	ALL	94.1	0.972	0.2970	PASS
	MM	27.4	0.601	0.0734	LOW QC
GTB-11	germline	109.6	0.981	0.3082	PASS
	ALL	68.1	0.961	0.3386	PASS
	MM	N/A	N/A	N/A	FAIL
GTB-12	germline	41.6	0.890	0.3275	PASS
	ALL	103.7	0.982	0.3160	PASS
	MM	17.4	0.348	0.2779	LOW QC

Supplementary Table 2. Variant refinement process for all samples with whole exome sequencing.

Sample	Tumor Type	Automated Called Variants	Variants Post-Filter
GTB-1	MM ALL	132 20	123 16
GTB-3	MM ALL	70 70	64 61
GTB-7	MM ALL	4,306 74	295 13
GTB-8	MM ALL	719 24	80 21
GTB-9	MM ALL	4,201 19	86 13
GTB-10	MM ALL	14,445 63	319 57
GTB-11	MM ALL	-- 56	-- 47
GTB-12	MM ALL	1,628 33	6 27

Supplementary Table 3. All variants and variant allele frequencies (VAFs) identified by whole exome sequencing

HGVSc	Gene	ALL VAF	MM VAF	Tumor Observed	Sample Observed
chr10:12825697A>G	CAMK1D	0.00	0.15	MM	GTB-9
chr10:47310565G>A	GDF10	0.00	0.14	MM	GTB-9
chr10:95069341C>G	CYP2C8	0.00	0.29	MM	GTB-9
chr11:102594715C>T	MMP20	0.00	0.17	MM	GTB-9
chr11:20156315G>A	DBX1	0.00	0.12	MM	GTB-9
chr11:60842765G>A	CCDC86	0.00	0.09	MM	GTB-9
chr11:63765856C>T	C11orf95	0.00	0.08	MM	GTB-9
chr11:64832997G>A	CDC42BPG	0.00	0.07	MM	GTB-9
chr11:65662120G>T	RELA	0.16	0.00	ALL	GTB-9
chr12:111598978T>C	ATXN2	0.00	0.12	MM	GTB-9
chr12:129078662C>T	TMEM132D	0.00	0.13	MM	GTB-9
chr12:20552027C>T	PDE3A	0.00	0.24	MM	GTB-9
chr12:47773265C>T	SLC48A1	0.00	0.08	MM	GTB-9
chr12:52692429C>T	KRT77	0.00	0.06	MM	GTB-9
chr12:53214565C>T	RARG	0.00	0.10	MM	GTB-9
chr12:53307011G>A	C12orf10	0.00	0.10	MM	GTB-9
chr12:6581182G>GA	CHD4	0.28	0.00	ALL	GTB-9
chr12:69258917C>T	CPSF6	0.00	0.09	MM	GTB-9
chr12:71584150C>T	LGR5	0.00	0.13	MM	GTB-9
chr13:110715971G>T	ING1	0.00	0.09	MM	GTB-9
chr13:36879599C>T	SMAD9	0.00	0.10	MM	GTB-9
chr13:77662146C>T	AL450447.1	0.00	0.18	MM	GTB-9
chr14:103127376G>A	TNFAIP2	0.00	0.14	MM	GTB-9
chr14:105155879C>T	JAG2	0.00	0.10	MM	GTB-9
chr14:20373344G>A	TEP1	0.00	0.11	MM	GTB-9
chr14:49894148A>G	ARF6	0.00	0.27	MM	GTB-9
chr14:61280365C>T	TMEM30B	0.00	0.07	MM	GTB-9
chr14:75003395G>A	EIF2B2	0.00	0.10	MM	GTB-9
chr15:33662297C>T	RYR3	0.00	0.05	MM	GTB-9
chr15:40340897C>T	CCDC9B	0.00	0.10	MM	GTB-9
chr15:70057549G>A	TLE3	0.00	0.05	MM	GTB-9
chr16:2234999G>A	ECI1	0.00	0.10	MM	GTB-9
chr16:2460201G>A	CCNF	0.00	0.09	MM	GTB-9
chr16:2762591G>A	SRRM2	0.00	0.11	MM	GTB-9
chr16:3729596C>T	CREBBP	0.00	0.08	MM	GTB-9
chr16:3769367G>A	CREBBP	0.00	0.12	MM	GTB-9
chr16:57751655C>T	KATNB1	0.00	0.10	MM	GTB-9
chr17:40478673G>A	TNS4	0.00	0.13	MM	GTB-9
chr17:41184477G>A	KRTAP4-1	0.00	0.12	MM	GTB-9
chr17:42795271C>T	WNK4	0.00	0.06	MM	GTB-9
chr17:75640933G>A	SMIM5	0.00	0.07	MM	GTB-9
chr17:7675085C>T	TP53	0.30	0.00	ALL	GTB-9
chr17:7779216C>T	DNAH2	0.00	0.18	MM	GTB-9
chr19:13105450C>T	LYL1	0.00	0.05	MM	GTB-9
chr19:1913068G>A	ADAT3	0.00	0.06	MM	GTB-9
chr19:3577994G>A	HMG20B	0.00	0.05	MM	GTB-9
chr19:38130545C>T	SIPA1L3	0.00	0.11	MM	GTB-9
chr19:38213747G>A	DPF1	0.00	0.12	MM	GTB-9
chr19:4207584G>A	ANKRD24	0.00	0.13	MM	GTB-9
chr19:48601051C>T	FAM83E	0.00	0.09	MM	GTB-9

chr19:49133886G>A	PPFIA3	0.00	0.13	MM	GTB-9
chr19:50514544C>T	JOSD2	0.00	0.07	MM	GTB-9
chr19:51009310C>T	KLK9	0.00	0.12	MM	GTB-9
chr19:51104312G>A	CTU1	0.00	0.06	MM	GTB-9
chr19:55182138G>A	SYT5	0.00	0.07	MM	GTB-9
chr19:55614947C>T	ZNF865	0.00	0.05	MM	GTB-9
chr1:113812119C>T	RSBN1	0.00	0.13	MM	GTB-9
chr1:12063611C>T	TNFRSF8	0.00	0.06	MM	GTB-9
chr1:15065800C>T	KAZN	0.00	0.05	MM	GTB-9
chr1:153003239C>T	SPRR3	0.00	0.12	MM	GTB-9
chr1:161048575C>T	USF1	0.00	0.05	MM	GTB-9
chr1:16484842C>G	CROCCP3	0.00	0.17	MM	GTB-9
chr1:16484881A>G	CROCCP3	0.00	0.34	MM	GTB-9
chr1:206635707G>A	DYRK3	0.00	0.06	MM	GTB-9
chr1:248847544C>T	ZNF672	0.00	0.05	MM	GTB-9
chr1:45607946A>G	NASP	0.00	0.21	MM	GTB-9
chr1:55154403G>A	USP24	0.23	0.00	ALL	GTB-9
chr1:78641448A>G	IFI44L	0.17	0.00	ALL	GTB-9
chr1:95173790C>T	TMEM56	0.34	0.00	ALL	GTB-9
chr20:32797020G>A	DNMT3B	0.00	0.06	MM	GTB-9
chr20:46563601G>A	SLC13A3	0.00	0.11	MM	GTB-9
chr21:36232823T>C	DOP1B	0.20	0.00	ALL	GTB-9
chr21:44425773C>T	TRPM2	0.00	0.05	MM	GTB-9
chr22:19048474G>T	DGCR2	0.00	0.10	MM	GTB-9
chr22:21183872C>T	FAM230B	0.13	0.00	ALL	GTB-9
chr2:119158187G>A	C1QL2	0.00	0.15	MM	GTB-9
chr2:176172073G>T	HOXD3	0.00	0.18	MM	GTB-9
chr2:51028280G>A	NRXN1	0.00	0.07	MM	GTB-9
chr2:54624774T>G	SPTBN1	0.00	0.21	MM	GTB-9
chr2:71600796C>T	DYSF	0.00	0.13	MM	GTB-9
chr2:98821930G>A	KIAA1211L	0.00	0.16	MM	GTB-9
chr3:165065320G>A	SI	0.37	0.00	ALL	GTB-9
chr3:52435593C>T	SEMA3G	0.00	0.08	MM	GTB-9
chr5:148402073A>T	FBXO38	0.13	0.00	ALL	GTB-9
chr5:80960744G>A	RASGRF2	0.00	0.08	MM	GTB-9
chr6:106099586G>T	PRDM1	0.21	0.00	ALL	GTB-9
chr6:3273435G>A	SLC22A23	0.00	0.10	MM	GTB-9
chr7:127584513C>T	GCC1	0.00	0.11	MM	GTB-9
chr7:159097072G>A	VIPR2	0.00	0.07	MM	GTB-9
chr7:4178580G>A	SDK1	0.31	0.00	ALL	GTB-9
chr7:48410658G>A	ABCA13	0.00	0.22	MM	GTB-9
chr7:99185086A>G	KPNA7	0.00	0.17	MM	GTB-9
chr8:141218674G>A	SLC45A4	0.00	0.05	MM	GTB-9
chr8:141219638C>T	SLC45A4	0.00	0.10	MM	GTB-9
chr9:109383367A>C	PTPN3	0.00	0.12	MM	GTB-9
chr9:123373221C>T	CRB2	0.00	0.06	MM	GTB-9
chr9:128633777G>C	WDR34	0.31	0.00	ALL	GTB-9
chr9:129005425G>A	NUP188	0.00	0.11	MM	GTB-9
chr9:137457530C>T	NSMF	0.00	0.09	MM	GTB-9
chr10:103445449T>C	CALHM2	0.43	0.00	ALL	GTB-10
chr10:103602152G>A	SH3PXD2A	0.00	0.06	MM	GTB-10
chr10:104196951C>A	CFAP43	0.00	0.35	MM	GTB-10

chr10:104977513A>G	SORCS3	0.50	0.00	ALL	GTB-10
chr10:113852848G>T	DCLRE1A	0.00	0.18	MM	GTB-10
chr10:114631903T>C	ABLIM1	0.42	0.00	ALL	GTB-10
chr10:119036085G>T	EIF3A	0.00	0.20	MM	GTB-10
chr10:121593796T>A	FGFR2	0.00	0.11	MM	GTB-10
chr10:14839941G>A	HSPA14	0.00	0.09	MM	GTB-10
chr10:26567461G>A	APBB1IP	0.00	0.13	MM	GTB-10
chr10:50991383G>A	PRKG1	0.00	0.07	MM	GTB-10
chr10:63197581C>A	JMJD1C	0.00	0.11	MM	GTB-10
chr10:68572421G>A	TET1	0.00	0.12	MM	GTB-10
chr10:69898752G>A	COL13A1	0.00	0.10	MM	GTB-10
chr10:70771397C>T	TBATA	0.00	0.16	MM	GTB-10
chr10:71810124G>A	CDH23	0.00	0.07	MM	GTB-10
chr10:73495791C>T	USP54	0.00	0.09	MM	GTB-10
chr10:95336517C>T	SORBS1	0.00	0.11	MM	GTB-10
chr11:100297599C>T	CNTN5	0.00	0.20	MM	GTB-10
chr11:118660684G>A	TREH	0.00	0.10	MM	GTB-10
chr11:119317046G>A	MCAM	0.00	0.07	MM	GTB-10
chr11:125678108G>A	ACRV1	0.48	0.00	ALL	GTB-10
chr11:1295805G>A	TOLLIP	0.00	0.05	MM	GTB-10
chr11:130209401G>A	ST14	0.43	0.00	ALL	GTB-10
chr11:14513609G>A	AC018523.2	0.00	0.16	MM	GTB-10
chr11:17635147G>A	OTOG	0.00	0.07	MM	GTB-10
chr11:17777571G>A	KCNC1	0.00	0.08	MM	GTB-10
chr11:1883438G>A	LSP1	0.00	0.10	MM	GTB-10
chr11:36592806G>A	RAG2	0.00	0.14	MM	GTB-10
chr11:57389052G>A	AP000781.2	0.00	0.09	MM	GTB-10
chr11:59192159C>T	DTX4	0.38	0.00	ALL	GTB-10
chr11:6057729T>G	OR52L2P	0.40	0.00	ALL	GTB-10
chr11:61796463G>A	FEN1	0.00	0.10	MM	GTB-10
chr11:62910612G>A	CHRM1	0.00	0.15	MM	GTB-10
chr11:6456338C>T	TRIM3	0.00	0.11	MM	GTB-10
chr11:65650555C>T	SIPA1	0.00	0.07	MM	GTB-10
chr11:66495554G>A	DPP3	0.00	0.10	MM	GTB-10
chr11:67281517G>A	GRK2	0.45	0.00	ALL	GTB-10
chr11:72001549C>G	RNF121	0.42	0.00	ALL	GTB-10
chr11:72231051G>A	INPPL1	0.00	0.10	MM	GTB-10
chr11:72824053G>T	ATG16L2	0.00	0.10	MM	GTB-10
chr11:74103458T>G	C2CD3	0.48	0.00	ALL	GTB-10
chr11:7416128G>T	SYT9	0.15	0.00	ALL	GTB-10
chr11:94619899G>A	PIWIL4	0.00	0.09	MM	GTB-10
chr12:108517239G>A	FICD	0.00	0.08	MM	GTB-10
chr12:111341769C>T	CUX2	0.00	0.10	MM	GTB-10
chr12:112950965C>T	OAS3	0.00	0.11	MM	GTB-10
chr12:120215673G>A	PXN	0.00	0.17	MM	GTB-10
chr12:132062593A>G	EP400	0.00	0.16	MM	GTB-10
chr12:20552027C>T	PDE3A	0.00	0.29	MM	GTB-10
chr12:2677894A>G	CACNA1C	0.85	0.00	ALL	GTB-10
chr12:31987303G>A	KIAA1551	0.00	0.16	MM	GTB-10
chr12:32625637C>T	FGD4	0.00	0.15	MM	GTB-10
chr12:5612785G>A	ANO2	0.00	0.21	MM	GTB-10
chr12:56210551A>G	RNF41	0.90	0.00	ALL	GTB-10

chr12:63668187C>T	DPY19L2	0.00	0.11	MM	GTB-10
chr12:80238870C>A	OTOGL	0.00	0.08	MM	GTB-10
chr13:110506478G>A	COL4A2	0.00	0.08	MM	GTB-10
chr13:113667395C>T	GRK1	0.00	0.11	MM	GTB-10
chr13:35156101C>T	NBEA	0.27	0.00	ALL	GTB-10
chr13:38851800C>T	FREM2	0.00	0.16	MM	GTB-10
chr14:23346950G>A	SLC22A17	0.00	0.12	MM	GTB-10
chr14:23561563G>T	AP1G2	0.00	0.14	MM	GTB-10
chr14:24376828G>A	NFATC4	0.00	0.09	MM	GTB-10
chr14:49751725C>A	KLHDC1	0.00	0.15	MM	GTB-10
chr14:52315302G>A	PTGER2	0.00	0.09	MM	GTB-10
chr14:67582026G>T	PLEKHH1	0.00	0.21	MM	GTB-10
chr14:67807744G>A	ZFYVE26	0.48	0.00	ALL	GTB-10
chr14:70667546C>T	TTC9	0.00	0.12	MM	GTB-10
chr14:77249387C>T	TMEM63C	0.00	0.10	MM	GTB-10
chr15:40418083G>T	IVD	0.00	0.17	MM	GTB-10
chr15:41886120C>T	SPTBN5	0.00	0.10	MM	GTB-10
chr15:43383514C>A	TUBGCP4	0.00	0.18	MM	GTB-10
chr15:44289093C>T	CASC4	0.00	0.09	MM	GTB-10
chr15:44958475G>T	TERB2	0.00	0.16	MM	GTB-10
chr15:52211895G>A	MYO5C	0.00	0.13	MM	GTB-10
chr15:52384191G>T	MYO5A	0.00	0.09	MM	GTB-10
chr15:58890312C>T	SLTM	0.00	0.07	MM	GTB-10
chr15:63716326C>T	HERC1	0.00	0.07	MM	GTB-10
chr15:65701917G>A	DENND4A	0.00	0.22	MM	GTB-10
chr15:74022939G>A	PML	0.00	0.09	MM	GTB-10
chr15:74023059G>A	PML	0.00	0.06	MM	GTB-10
chr15:78601880G>A	CHRNA3	0.00	0.06	MM	GTB-10
chr15:78629989C>A	CHRNA4	0.00	0.10	MM	GTB-10
chr15:79456712G>A	MINAR1	0.90	0.00	ALL	GTB-10
chr15:80695765G>T	ABHD17C	0.00	0.12	MM	GTB-10
chr15:81332876G>T	TMC3	0.00	0.11	MM	GTB-10
chr15:81362295G>A	TMC3	0.00	0.12	MM	GTB-10
chr15:89797570C>T	ANPEP	0.00	0.10	MM	GTB-10
chr16:1385413G>A	UNKL	0.00	0.09	MM	GTB-10
chr16:192916C>T	LUC7L	0.00	0.11	MM	GTB-10
chr16:2003736C>A	ZNF598	0.00	0.22	MM	GTB-10
chr16:23475050G>A	GGA2	0.00	0.20	MM	GTB-10
chr16:2766309G>A	SRRM2	0.00	0.07	MM	GTB-10
chr16:31086696C>G	PRSS53	0.87	0.00	ALL	GTB-10
chr16:3657143C>T	DNASE1	0.00	0.07	MM	GTB-10
chr16:653516G>T	WDR90	0.00	0.07	MM	GTB-10
chr16:68053589C>T	DUS2	0.00	0.09	MM	GTB-10
chr16:684270G>A	STUB1	0.00	0.07	MM	GTB-10
chr16:72794054G>T	ZFH3	0.00	0.10	MM	GTB-10
chr16:74381581C>G	NPIP15	0.00	0.15	MM	GTB-10
chr17:11555802C>T	SHISA6	0.00	0.11	MM	GTB-10
chr17:19331876T>C	EPN2	0.91	0.00	ALL	GTB-10
chr17:28612309G>A	SGK494	0.00	0.07	MM	GTB-10
chr17:28716881G>T	RPL23A	0.00	0.10	MM	GTB-10
chr17:29086952C>T	MYO18A	0.00	0.07	MM	GTB-10
chr17:29098104C>T	MYO18A	0.00	0.10	MM	GTB-10

chr17:29572603C>T	TP53I13	0.00	0.08	MM	GTB-10
chr17:30922083G>A	ADAP2	0.00	0.06	MM	GTB-10
chr17:31320399G>A	AC134669.1	0.00	0.16	MM	GTB-10
chr17:44774323G>A	ADAM11	0.00	0.07	MM	GTB-10
chr17:45118806C>T	PLCD3	0.00	0.13	MM	GTB-10
chr17:4673341G>A	PELP1	0.00	0.06	MM	GTB-10
chr17:49168904G>A	B4GALNT2	0.00	0.13	MM	GTB-10
chr17:58307898C>T	TSPOAP1	0.00	0.07	MM	GTB-10
chr17:62679886G>A	MRC2	0.00	0.08	MM	GTB-10
chr17:64860317G>C	LRRC37A3	0.76	0.00	ALL	GTB-10
chr17:67944362G>A	BPTF	0.00	0.10	MM	GTB-10
chr17:7284848C>T	SLC2A4	0.00	0.17	MM	GTB-10
chr17:7393531G>A	PLSCR3	0.00	0.10	MM	GTB-10
chr17:74947450T>C	HID1	0.89	0.00	ALL	GTB-10
chr17:7550786C>T	NFSF12-TNFSF1	0.00	0.10	MM	GTB-10
chr17:75876439C>T	TRIM47	0.00	0.09	MM	GTB-10
chr17:7675097A>T	TP53	0.89	0.00	ALL	GTB-10
chr17:78479639C>A	DNAH17	0.00	0.10	MM	GTB-10
chr17:78974760C>T	LGALS3BP	0.00	0.12	MM	GTB-10
chr17:80140008C>A	EIF4A3	0.00	0.11	MM	GTB-10
chr17:82053321G>A	DUS1L	0.00	0.06	MM	GTB-10
chr18:50285716C>T	MBD1	0.00	0.13	MM	GTB-10
chr18:58671724C>T	MALT1	0.00	0.05	MM	GTB-10
chr18:70324871C>A	SOCS6	0.00	0.24	MM	GTB-10
chr19:10090057T>A	ANGPTL6	0.00	0.08	MM	GTB-10
chr19:10107502C>T	PPAN-P2RY11	0.00	0.11	MM	GTB-10
chr19:13308164G>A	CACNA1A	0.00	0.09	MM	GTB-10
chr19:15189088G>A	NOTCH3	0.00	0.07	MM	GTB-10
chr19:16076746C>T	TPM4	0.00	0.05	MM	GTB-10
chr19:17259459T>C	AC010646.1	0.43	0.00	ALL	GTB-10
chr19:17328612G>C	ANO8	0.00	0.15	MM	GTB-10
chr19:1912397C>T	ADAT3	0.00	0.07	MM	GTB-10
chr19:2038532G>A	MKNK2	0.00	0.06	MM	GTB-10
chr19:35299788G>A	MAG	0.00	0.08	MM	GTB-10
chr19:36125524G>A	TBCB	0.00	0.15	MM	GTB-10
chr19:39314512G>A	LRFN1	0.00	0.06	MM	GTB-10
chr19:40321900C>T	C19orf47	0.45	0.00	ALL	GTB-10
chr19:41898568G>A	ARHGEF1	0.00	0.08	MM	GTB-10
chr19:45802305G>A	RSPH6A	0.00	0.11	MM	GTB-10
chr19:47353305C>T	DHX34	0.00	0.07	MM	GTB-10
chr19:48182632C>A	ZSWIM9	0.00	0.07	MM	GTB-10
chr19:48286919C>A	ZNF114	0.51	0.00	ALL	GTB-10
chr19:48625937G>A	DBP	0.00	0.08	MM	GTB-10
chr19:49003267C>T	RUVBL2	0.00	0.09	MM	GTB-10
chr19:50820400C>T	KLK1	0.00	0.13	MM	GTB-10
chr19:50820401G>T	KLK1	0.00	0.13	MM	GTB-10
chr19:50968027G>C	KLK6	0.15	0.00	ALL	GTB-10
chr19:56246882C>A	ZSCAN5DP	0.00	0.20	MM	GTB-10
chr19:8334710G>A	KANK3	0.00	0.06	MM	GTB-10
chr1:107875014G>A	VAV3	0.00	0.23	MM	GTB-10
chr1:109107951C>T	C1orf194	0.00	0.16	MM	GTB-10
chr1:109108002C>T	C1orf194	0.00	0.10	MM	GTB-10

chr1:109191773C>A	KIAA1324	0.00	0.13	MM	GTB-10
chr1:110518169C>A	KCNA10	0.00	0.10	MM	GTB-10
chr1:11087388T>C	EXOSC10	0.55	0.00	ALL	GTB-10
chr1:120069404C>T	NOTCH2	0.00	0.20	MM	GTB-10
chr1:1284061G>A	SCNN1D	0.00	0.10	MM	GTB-10
chr1:13513354G>A	LRRC38	0.00	0.12	MM	GTB-10
chr1:149887270G>A	BOLA1	0.42	0.00	ALL	GTB-10
chr1:149887338G>A	BOLA1	0.00	0.10	MM	GTB-10
chr1:151178000C>T	TMOD4	0.00	0.11	MM	GTB-10
chr1:152107977C>T	TCHH	0.00	0.10	MM	GTB-10
chr1:152155506C>T	RPTN	0.00	0.16	MM	GTB-10
chr1:153936554C>T	DENND4B	0.00	0.10	MM	GTB-10
chr1:154966338C>T	PYGO2	0.00	0.08	MM	GTB-10
chr1:155868600G>T	SYT11	0.00	0.13	MM	GTB-10
chr1:156592069G>A	NAXE	0.00	0.07	MM	GTB-10
chr1:161052257T>C	ARHGAP30	0.00	0.20	MM	GTB-10
chr1:161162324T>G	USP21	0.41	0.00	ALL	GTB-10
chr1:16484881A>G	CROCCP3	0.00	0.33	MM	GTB-10
chr1:171540738C>A	PRRC2C	0.00	0.15	MM	GTB-10
chr1:17233005G>A	PADI1	0.00	0.11	MM	GTB-10
chr1:176702681C>T	PAPPA2	0.00	0.15	MM	GTB-10
chr1:176957801G>A	ASTN1	0.00	0.10	MM	GTB-10
chr1:182585914C>T	RNASEL	0.44	0.00	ALL	GTB-10
chr1:19285921C>T	AKR7A3	0.00	0.14	MM	GTB-10
chr1:20086223G>A	PLA2G5	0.00	0.10	MM	GTB-10
chr1:200911443C>T	INAVA	0.00	0.07	MM	GTB-10
chr1:207564291T>G	CR1	0.36	0.00	ALL	GTB-10
chr1:21483099C>T	NBPF3	0.00	0.12	MM	GTB-10
chr1:215648593C>T	USH2A	0.00	0.05	MM	GTB-10
chr1:224294416T>A	NVL	0.45	0.00	ALL	GTB-10
chr1:228321389G>A	OBSCN	0.00	0.10	MM	GTB-10
chr1:233382433C>T	MAP3K21	0.00	0.11	MM	GTB-10
chr1:24065940T>C	MYOM3	0.44	0.00	ALL	GTB-10
chr1:24138590C>T	IL22RA1	0.00	0.10	MM	GTB-10
chr1:24344941G>A	GRHL3	0.00	0.16	MM	GTB-10
chr1:248814656G>A	SH3BP5L	0.00	0.19	MM	GTB-10
chr1:26863457G>A	SFN	0.00	0.05	MM	GTB-10
chr1:36098073G>A	ADPRHL2	0.00	0.10	MM	GTB-10
chr1:37838720C>T	MTF1	0.00	0.12	MM	GTB-10
chr1:39380275C>A	MACF1	0.00	0.16	MM	GTB-10
chr1:39955430G>A	MFSD2A	0.00	0.17	MM	GTB-10
chr1:45051126A>G	ZSWIM5	0.48	0.00	ALL	GTB-10
chr1:45206093G>A	ZSWIM5	0.00	0.11	MM	GTB-10
chr1:54014197C>T	LDLRAD1	0.00	0.09	MM	GTB-10
chr1:55058496C>T	PCSK9	0.00	0.10	MM	GTB-10
chr1:55075495C>T	USP24	0.00	0.17	MM	GTB-10
chr1:64838513G>T	JAK1	0.00	0.12	MM	GTB-10
chr1:70355234G>A	ANKRD13C	0.00	0.14	MM	GTB-10
chr1:70953072C>A	PTGER3	0.00	0.20	MM	GTB-10
chr1:72282518C>T	NEGR1	0.00	0.10	MM	GTB-10
chr1:76867672C>A	ST6GALNAC5	0.00	0.11	MM	GTB-10
chr1:873791G>A	FAM41C	0.00	0.13	MM	GTB-10

chr1:90717283C>A	BARHL2	0.00	0.14	MM	GTB-10
chr1:93180645C>T	TMED5	0.00	0.15	MM	GTB-10
chr20:13782865C>T	NDUFAF5	0.00	0.11	MM	GTB-10
chr20:32228240C>T	POFUT1	0.00	0.24	MM	GTB-10
chr20:33679810C>T	E2F1	0.00	0.11	MM	GTB-10
chr20:3797591C>T	CDC25B	0.00	0.10	MM	GTB-10
chr20:41425251C>T	CHD6	0.00	0.13	MM	GTB-10
chr20:43570994C>T	Z98752.3	0.00	0.17	MM	GTB-10
chr20:45406472G>T	SYS1-DBNDD2	0.00	0.13	MM	GTB-10
chr20:45834215C>T	SNX21	0.00	0.06	MM	GTB-10
chr20:4699448C>T	PRNP	0.00	0.09	MM	GTB-10
chr20:47089388C>A	EYA2	0.00	0.17	MM	GTB-10
chr20:63283814G>T	ARFGAP1	0.00	0.12	MM	GTB-10
chr20:63532692G>A	PTK6	0.00	0.06	MM	GTB-10
chr20:63592562C>T	GMEB2	0.00	0.14	MM	GTB-10
chr20:63966639G>A	ZNF512B	0.00	0.06	MM	GTB-10
chr20:63999098G>A	PRPF6	0.00	0.09	MM	GTB-10
chr21:26170536C>T	APP	0.00	0.11	MM	GTB-10
chr21:38822894G>A	ETS2	0.00	0.10	MM	GTB-10
chr21:44654455T>C	TSPEAR	0.48	0.00	ALL	GTB-10
chr22:17524221T>A	CECR2	0.00	0.13	MM	GTB-10
chr22:17540608C>A	CECR2	0.00	0.06	MM	GTB-10
chr22:21044871T>G	LRRC74B	0.00	0.22	MM	GTB-10
chr22:21446553G>A	HIC2	0.00	0.07	MM	GTB-10
chr22:24554986C>T	SNRPD3	0.00	0.08	MM	GTB-10
chr22:29311600C>G	RASL10A	0.40	0.00	ALL	GTB-10
chr22:30376578T>C	RNF215	0.00	0.10	MM	GTB-10
chr22:36294283C>T	MYH9	0.00	0.15	MM	GTB-10
chr22:38866485C>T	CBX6	0.00	0.06	MM	GTB-10
chr22:40261820C>T	TNRC6B	0.00	0.12	MM	GTB-10
chr22:42027011G>A	WBP2NL	0.00	0.10	MM	GTB-10
chr22:43051840G>A	TTLL1	0.00	0.11	MM	GTB-10
chr2:130915197C>T	ARHGEF4	0.00	0.13	MM	GTB-10
chr2:131044556C>G	FAM168B	0.88	0.00	ALL	GTB-10
chr2:131363777G>C	RAB6D	0.81	0.00	ALL	GTB-10
chr2:140442504C>T	LRP1B	0.00	0.11	MM	GTB-10
chr2:169139566G>T	LRP2	0.00	0.18	MM	GTB-10
chr2:229791894C>T	TRIP12	0.00	0.26	MM	GTB-10
chr2:231113882G>A	HTR2B	0.00	0.10	MM	GTB-10
chr2:237749184C>T	LRRFIP1	0.00	0.10	MM	GTB-10
chr2:26924860C>T	DPYSL5	0.00	0.09	MM	GTB-10
chr2:37951213G>T	RMDN2	0.00	0.12	MM	GTB-10
chr2:44301137G>A	AC013717.1	0.00	0.11	MM	GTB-10
chr2:46159705G>A	PRKCE	0.00	0.13	MM	GTB-10
chr2:62501458C>A	TMEM17	0.00	0.14	MM	GTB-10
chr2:73265555C>T	FBXO41	0.00	0.12	MM	GTB-10
chr2:85434976C>T	SH2D6	0.00	0.12	MM	GTB-10
chr2:85434981C>T	SH2D6	0.00	0.10	MM	GTB-10
chr2:96739969G>A	LMAN2L	0.00	0.12	MM	GTB-10
chr2:97660562C>T	ACTR1B	0.00	0.14	MM	GTB-10
chr3:125014924G>A	HEG1	0.00	0.19	MM	GTB-10
chr3:125118769C>T	SLC12A8	0.00	0.10	MM	GTB-10

chr3:127676249C>T	ABTB1	0.00	0.11	MM	GTB-10
chr3:140466656C>T	CLSTN2	0.00	0.12	MM	GTB-10
chr3:179027820C>A	ZMAT3	0.00	0.11	MM	GTB-10
chr3:184289455G>A	EF1AKMT4-ECE	0.00	0.11	MM	GTB-10
chr3:186788387G>A	RFC4	0.00	0.11	MM	GTB-10
chr3:195579506G>A	APOD	0.00	0.09	MM	GTB-10
chr3:23965121C>T	NR1D2	0.00	0.21	MM	GTB-10
chr3:24123084G>T	THRB	0.00	0.09	MM	GTB-10
chr3:45968103C>T	FYCO1	0.00	0.11	MM	GTB-10
chr3:48583796T>A	COL7A1	0.00	0.08	MM	GTB-10
chr3:49642923C>A	BSN	0.00	0.10	MM	GTB-10
chr3:49642924G>A	BSN	0.00	0.10	MM	GTB-10
chr3:50215600G>A	SLC38A3	0.00	0.13	MM	GTB-10
chr3:51391637G>A	MANF	0.00	0.09	MM	GTB-10
chr3:52404549C>T	BAP1	0.00	0.06	MM	GTB-10
chr3:52787977T>C	ITIH1	0.09	0.00	ALL	GTB-10
chr3:52788232T>G	ITIH1	0.85	0.00	ALL	GTB-10
chr3:86978728A>C	VGLL3	0.00	0.24	MM	GTB-10
chr3:96814791G>A	EPHA6	0.00	0.07	MM	GTB-10
chr3:9757763C>T	CAMK1	0.00	0.05	MM	GTB-10
chr3:9947726G>A	PRRT3	0.00	0.08	MM	GTB-10
chr4:1003530C>T	IDUA	0.00	0.06	MM	GTB-10
chr4:10081444G>A	WDR1	0.00	0.13	MM	GTB-10
chr4:113357935G>A	ANK2	0.00	0.15	MM	GTB-10
chr4:169117778C>T	SH3RF1	0.00	0.11	MM	GTB-10
chr4:188003506G>A	ZFP42	0.00	0.12	MM	GTB-10
chr4:188003627C>G	ZFP42	0.47	0.00	ALL	GTB-10
chr4:1956077G>T	NSD2	0.00	0.11	MM	GTB-10
chr4:20704506G>A	PACRGL	0.00	0.14	MM	GTB-10
chr4:40437917C>T	RBM47	0.00	0.06	MM	GTB-10
chr4:52076866G>A	SPATA18	0.41	0.00	ALL	GTB-10
chr4:78424350A>G	FRAS1	0.38	0.00	ALL	GTB-10
chr4:87615056C>T	DSPP	0.00	0.10	MM	GTB-10
chr4:87615057A>G	DSPP	0.00	0.10	MM	GTB-10
chr4:99208946G>A	ADH6	0.00	0.17	MM	GTB-10
chr5:1279407G>A	TERT	0.48	0.00	ALL	GTB-10
chr5:135447039G>T	TIFAB	0.00	0.16	MM	GTB-10
chr5:140510101C>T	ANKHD1	0.00	0.13	MM	GTB-10
chr5:140700884G>A	ZMAT2	0.00	0.10	MM	GTB-10
chr5:140856076G>A	PCDHA10	0.00	0.12	MM	GTB-10
chr5:140877143C>T	PCDHA12	0.44	0.00	ALL	GTB-10
chr5:141241490A>G	AC244517.10	0.00	0.19	MM	GTB-10
chr5:14461184A>G	TRIO	0.49	0.00	ALL	GTB-10
chr5:146471591C>A	TCERG1	0.46	0.00	ALL	GTB-10
chr5:150369510C>T	TCOF1	0.00	0.11	MM	GTB-10
chr5:150387886G>T	TCOF1	0.00	0.16	MM	GTB-10
chr5:173318264C>A	STC2	0.00	0.09	MM	GTB-10
chr5:179122724C>T	ADAMTS2	0.00	0.09	MM	GTB-10
chr5:179795707G>A	LTC4S	0.00	0.13	MM	GTB-10
chr5:67165335G>A	MAST4	0.00	0.07	MM	GTB-10
chr5:72320552G>A	PTCD2	0.00	0.12	MM	GTB-10
chr5:72956039C>T	FCHO2	0.00	0.11	MM	GTB-10

chr5:79237048G>A	JMY	0.00	0.11	MM	GTB-10
chr6:110442708G>A	SLC22A16	0.00	0.11	MM	GTB-10
chr6:116590301T>C	RWDD1	0.42	0.00	ALL	GTB-10
chr6:119348627G>T	MAN1A1	0.00	0.11	MM	GTB-10
chr6:142770475G>C	HIVEP2	0.42	0.00	ALL	GTB-10
chr6:151349186C>A	AKAP12	0.00	0.16	MM	GTB-10
chr6:26158433G>A	HIST1H2BD	0.00	0.09	MM	GTB-10
chr6:26465401T>A	BTN2A1	0.00	0.17	MM	GTB-10
chr6:28276791G>A	PGBD1	0.40	0.00	ALL	GTB-10
chr6:33688448G>A	ITPR3	0.00	0.17	MM	GTB-10
chr6:37476193A>G	CMTR1	0.42	0.00	ALL	GTB-10
chr6:40392516C>T	LRFN2	0.00	0.06	MM	GTB-10
chr6:41806073G>A	USP49	0.00	0.09	MM	GTB-10
chr6:70260649C>T	COL9A1	0.00	0.13	MM	GTB-10
chr6:73362686G>T	KHDC3L	0.00	0.11	MM	GTB-10
chr7:100211848C>A	CASTOR3	0.00	0.11	MM	GTB-10
chr7:100775667A>T	ZAN	0.00	0.11	MM	GTB-10
chr7:105110453G>T	KMT2E	0.00	0.16	MM	GTB-10
chr7:116525113G>A	CAV1	0.00	0.09	MM	GTB-10
chr7:117138463C>A	ST7	0.00	0.11	MM	GTB-10
chr7:122303973G>A	FEZF1	0.00	0.15	MM	GTB-10
chr7:127582223C>T	GCC1	0.00	0.10	MM	GTB-10
chr7:1439912C>T	MICALL2	0.00	0.11	MM	GTB-10
chr7:149154108G>A	ZNF398	0.00	0.10	MM	GTB-10
chr7:44885247C>T	PURB	0.00	0.07	MM	GTB-10
chr7:47809524C>T	PKD1L1	0.00	0.13	MM	GTB-10
chr7:55170467C>T	EGFR	0.00	0.09	MM	GTB-10
chr7:64260908G>A	ZNF679	0.00	0.27	MM	GTB-10
chr7:73477799C>T	BAZ1B	0.00	0.09	MM	GTB-10
chr7:78078994C>T	MAGI2	0.00	0.13	MM	GTB-10
chr7:98959529G>A	TRRAP	0.00	0.10	MM	GTB-10
chr8:100522648C>A	ANKRD46	0.00	0.12	MM	GTB-10
chr8:10607809C>T	RP1L1	0.00	0.07	MM	GTB-10
chr8:106761294C>T	ABRA	0.00	0.10	MM	GTB-10
chr8:123396284G>A	ATAD2	0.00	0.08	MM	GTB-10
chr8:125055616T>A	WASHC5	0.40	0.00	ALL	GTB-10
chr8:141221610C>A	SLC45A4	0.00	0.06	MM	GTB-10
chr8:144392436C>T	ADCK5	0.00	0.11	MM	GTB-10
chr8:144520483C>A	LRRC14	0.46	0.00	ALL	GTB-10
chr8:55102515G>A	XKR4	0.00	0.11	MM	GTB-10
chr8:60848525C>T	CHD7	0.54	0.00	ALL	GTB-10
chr8:66666161C>G	VCPIP1	0.46	0.00	ALL	GTB-10
chr8:80518513G>A	ZBTB10	0.00	0.20	MM	GTB-10
chr9:128234036C>T	DNM1	0.00	0.07	MM	GTB-10
chr9:128612187G>A	SPTAN1	0.00	0.11	MM	GTB-10
chr9:137053939G>A	ENTPD2	0.00	0.06	MM	GTB-10
chr9:137161453G>A	GRIN1	0.00	0.11	MM	GTB-10
chr9:137522828G>A	PNPLA7	0.00	0.06	MM	GTB-10
chr9:18504818G>T	ADAMTSL1	0.00	0.12	MM	GTB-10
chr9:35072363C>T	VCP	0.00	0.07	MM	GTB-10
chr9:35547141G>A	RUSC2	0.00	0.10	MM	GTB-10
chr9:35793071G>A	NPR2	0.00	0.07	MM	GTB-10

chr9:5832846C>T	ERMP1	0.00	0.09	MM	GTB-10
chr9:69234466G>A	AL358113.1	0.00	0.12	MM	GTB-10
chr9:70625351C>A	TRPM3	0.00	0.14	MM	GTB-10
chr9:83248062C>A	FRMD3	0.00	0.10	MM	GTB-10
chr9:86945768G>A	GAS1	0.00	0.08	MM	GTB-10
chr9:97546336A>C	TMOD1	0.90	0.00	ALL	GTB-10
chrX:40663026C>T	MED14	0.96	0.00	ALL	GTB-10
chrX:41474560C>T	NYX	0.00	0.10	MM	GTB-10
chrX:50192528C>T	AKAP4	0.95	0.00	ALL	GTB-10
chr10:101227514C>T	LBX1	0.00	0.62	MM	GTB-1
chr10:116859060A>C	ENO4	0.00	0.65	MM	GTB-1
chr10:122982741A>G	PSTK	0.31	0.00	ALL	GTB-1
chr10:127409060G>A	DOCK1	0.00	0.65	MM	GTB-1
chr10:133326109G>A	CALY	0.00	0.29	MM	GTB-1
chr10:13492671G>T	BEND7	0.00	0.34	MM	GTB-1
chr10:16754984T>C	RSU1	0.00	0.29	MM	GTB-1
chr10:27208435C>T	ACBD5	0.00	0.21	MM	GTB-1
chr10:49386622C>T	DRGX	0.00	0.66	MM	GTB-1
chr10:49391299G>A	DRGX	0.31	0.00	ALL	GTB-1
chr10:68188977G>T	MYPN	0.00	0.66	MM	GTB-1
chr10:81875454GGACGGCC	NRG3	0.00	0.08	MM	GTB-1
chr10:96157431G>A	ZNF518A	0.00	0.31	MM	GTB-1
chr10:97366058G>T	RRP12	0.00	0.57	MM	GTB-1
chr11:119274905A>G	CBL	0.00	0.61	MM	GTB-1
chr11:130120769G>A	APLP2	0.00	0.59	MM	GTB-1
chr11:56253017C>T	OR5T3	0.00	0.58	MM	GTB-1
chr11:61259308G>T	VWCE	0.00	0.56	MM	GTB-1
chr11:870158C>T	TSPAN4	0.00	0.59	MM	GTB-1
chr12:117860350C>A	KSR2	0.00	0.49	MM	GTB-1
chr12:21205976T>G	SLCO1B1	0.00	0.45	MM	GTB-1
chr12:21558244T>G	GYS2	0.00	0.51	MM	GTB-1
chr12:21815724T>G	ABCC9	0.00	0.43	MM	GTB-1
chr12:25245332G>T	KRAS	0.00	0.19	MM	GTB-1
chr12:53295590C>T	PFDN5	0.41	0.00	ALL	GTB-1
chr12:55937422G>A	DGKA	0.00	0.21	MM	GTB-1
chr12:56468582A>C	SPRYD4	0.00	0.22	MM	GTB-1
chr12:6971105G>A	EMG1	0.00	0.16	MM	GTB-1
chr12:94411851G>GT	CEP83	0.00	0.20	MM	GTB-1
chr13:37105335C>T	CSNK1A1L	0.00	0.45	MM	GTB-1
chr13:43298454C>T	ENOX1	0.00	0.48	MM	GTB-1
chr14:103654716A>T	AL139300.1	0.00	0.48	MM	GTB-1
chr14:104743211A>T	ADSSL1	0.00	0.23	MM	GTB-1
chr14:33801112C>T	NPAS3	0.00	0.41	MM	GTB-1
chr14:41887466G>T	LRFN5	0.00	0.45	MM	GTB-1
chr15:101819079T>C	OR4F15	0.00	0.30	MM	GTB-1
chr15:67254649G>A	AAGAB	0.48	0.00	ALL	GTB-1
chr15:96331247G>A	NR2F2	0.00	0.60	MM	GTB-1
chr17:31899623G>T	UTP6	0.00	0.44	MM	GTB-1
chr17:42536340G>A	NAGLU	0.00	0.24	MM	GTB-1
chr17:42762697C>T	RAMP2	0.00	0.19	MM	GTB-1
chr17:47813591C>A	OSBPL7	0.00	0.19	MM	GTB-1
chr17:49133213G>A	B4GALNT2	0.00	0.22	MM	GTB-1

chr17:58506757C>A	MTMR4	0.00	0.49	MM	GTB-1
chr17:59838272GGGCTACT:	VMP1	0.00	0.48	MM	GTB-1
chr17:59838281T>A	VMP1	0.00	0.45	MM	GTB-1
chr17:66220559C>T	APOH	0.00	0.48	MM	GTB-1
chr17:73261762G>A	CPSF4L	0.00	0.45	MM	GTB-1
chr17:76152455C>T	RNF157	0.00	0.27	MM	GTB-1
chr17:7674253A>T	TP53	0.67	0.00	ALL	GTB-1
chr17:81922943G>C	MAFG	0.00	0.49	MM	GTB-1
chr18:76496529C>T	ZNF516	0.00	0.20	MM	GTB-1
chr19:39927076G>A	FCGBP	0.00	0.33	MM	GTB-1
chr19:44387864A>G	AC245748.1	0.00	0.64	MM	GTB-1
chr19:46006619C>G	CCDC61	0.43	0.00	ALL	GTB-1
chr19:52314137G>T	ZNF480	0.00	0.59	MM	GTB-1
chr1:109107961A>T	C1orf194	0.00	0.63	MM	GTB-1
chr1:116579654G>A	IGSF3	0.00	0.62	MM	GTB-1
chr1:16032433C>T	CLCNKA	0.00	0.64	MM	GTB-1
chr1:161119827G>A	PFDN2	0.00	0.30	MM	GTB-1
chr1:16630991C>T	CROCCP2	0.00	0.21	MM	GTB-1
chr1:167901614AG>A	ADCY10	0.51	0.00	ALL	GTB-1
chr1:16938963G>A	CROCC	0.00	0.27	MM	GTB-1
chr1:171196723C>A	FMO2	0.00	0.29	MM	GTB-1
chr1:214646605A>T	CENPF	0.36	0.00	ALL	GTB-1
chr1:229299001C>T	RAB4A	0.00	0.74	MM	GTB-1
chr1:39567831T>G	PABPC4	0.00	0.49	MM	GTB-1
chr1:51792141A>C	NRDC	0.31	0.00	ALL	GTB-1
chr1:6554127G>C	NOL9	0.00	0.27	MM	GTB-1
chr1:84929639T>C	MCOLN2	0.00	0.26	MM	GTB-1
chr1:90716956G>C	BARHL2	0.44	0.00	ALL	GTB-1
chr20:20056797G>A	CFAP61	0.00	0.43	MM	GTB-1
chr20:41345866C>T	LPIN3	0.00	0.43	MM	GTB-1
chr20:45552194C>A	WFDC8	0.00	0.24	MM	GTB-1
chr20:57498638A>T	CTCFL	0.00	0.45	MM	GTB-1
chr20:62799662G>A	MRGBP	0.48	0.00	ALL	GTB-1
chr21:33262801T>C	IL10RB	0.00	0.38	MM	GTB-1
chr21:33262822T>C	IL10RB	0.00	0.38	MM	GTB-1
chr21:46001345G>A	COL6A1	0.00	0.49	MM	GTB-1
chr22:22901084C>T	IGLC2	0.00	0.38	MM	GTB-1
chr22:22906450C>T	IGLC3	0.00	0.22	MM	GTB-1
chr22:23181880A>G	BCR	0.00	0.50	MM	GTB-1
chr22:25847582G>T	MYO18B	0.31	0.00	ALL	GTB-1
chr2:140350736T>G	LRP1B	0.00	0.44	MM	GTB-1
chr2:1433446A>C	TPO	0.00	0.19	MM	GTB-1
chr2:151507978T>G	NEB	0.00	0.55	MM	GTB-1
chr2:189011673C>T	COL3A1	0.00	0.45	MM	GTB-1
chr2:189667824C>T	ASNSD1	0.00	0.50	MM	GTB-1
chr2:210608563A>G	CPS1	0.00	0.42	MM	GTB-1
chr2:213930040T>C	SPAG16	0.00	0.51	MM	GTB-1
chr2:236049145C>A	AGAP1	0.00	0.51	MM	GTB-1
chr2:94873535C>T	TEKT4	0.52	0.00	ALL	GTB-1
chr3:1220705G>A	CNTN6	0.00	0.24	MM	GTB-1
chr3:123700905C>T	MYLK	0.43	0.00	ALL	GTB-1
chr3:165039869T>C	SI	0.00	0.42	MM	GTB-1

chr3:33604248T>G	CLASP2	0.00	0.47	MM	GTB-1
chr3:62516551T>A	CADPS	0.00	0.50	MM	GTB-1
chr3:64541473G>C	ADAMTS9	0.00	0.60	MM	GTB-1
chr4:105932717G>A	NPNT	0.30	0.00	ALL	GTB-1
chr4:125452296G>A	FAT4	0.00	0.45	MM	GTB-1
chr4:158171275G>A	FAM198B	0.00	0.47	MM	GTB-1
chr4:168711715C>G	PALLD	0.00	0.46	MM	GTB-1
chr4:17886127G>A	LCORL	0.00	0.50	MM	GTB-1
chr4:184770243C>T	ACSL1	0.00	0.33	MM	GTB-1
chr4:4302866A>T	ZBTB49	0.00	0.46	MM	GTB-1
chr4:5468081C>T	STK32B	0.00	0.21	MM	GTB-1
chr4:71758159C>A	GC	0.00	0.26	MM	GTB-1
chr4:89927799G>T	MMRN1	0.00	0.52	MM	GTB-1
chr5:115163608C>A	TRIM36	0.00	0.42	MM	GTB-1
chr5:13867980G>T	DNAH5	0.00	0.45	MM	GTB-1
chr5:151855206C>T	GLRA1	0.00	0.23	MM	GTB-1
chr5:172339921A>G	SH3PXD2B	0.00	0.50	MM	GTB-1
chr5:172968585A>T	RPL26L1	0.00	0.20	MM	GTB-1
chr5:878399G>A	BRD9	0.00	0.36	MM	GTB-1
chr6:146399642G>A	GRM1	0.00	0.46	MM	GTB-1
chr6:152755303G>A	VIP	0.00	0.43	MM	GTB-1
chr6:156779208AGCCCCATC	ARID1B	0.00	0.34	MM	GTB-1
chr6:156779225C>A	ARID1B	0.00	0.43	MM	GTB-1
chr6:29621303A>G	GABBR1	0.00	0.20	MM	GTB-1
chr6:31581728T>G	LTB	0.00	0.53	MM	GTB-1
chr6:75090126T>G	COL12A1	0.00	0.46	MM	GTB-1
chr6:75602444T>C	SENP6	0.00	0.50	MM	GTB-1
chr7:103575692G>A	RELN	0.00	0.50	MM	GTB-1
chr7:140781611C>T	BRAF	0.00	0.24	MM	GTB-1
chr7:151491038G>A	RHEB	0.00	0.47	MM	GTB-1
chr8:120283749C>A	COL14A1	0.00	0.21	MM	GTB-1
chr8:13567898A>T	C8orf48	0.00	0.68	MM	GTB-1
chr8:143043256G>A	C8orf31	0.00	0.57	MM	GTB-1
chr8:35750657G>A	UNC5D	0.00	0.61	MM	GTB-1
chr8:76854832T>C	ZFHX4	0.00	0.67	MM	GTB-1
chr8:80687429C>T	ZNF704	0.00	0.29	MM	GTB-1
chr8:80993159A>C	PAG1	0.00	0.61	MM	GTB-1
chr9:136940983G>A	FBXW5	0.00	0.19	MM	GTB-1
chr9:18706626C>G	ADAMTSL1	0.00	0.57	MM	GTB-1
chr9:35342297A>A	UNC13B	0.00	0.37	MM	GTB-1
chr9:36923357G>C	PAX5	0.39	0.00	ALL	GTB-1
chr9:70347053A>AT	SMC5	0.00	0.55	MM	GTB-1
chr9:93259128G>A	WNK2	0.00	0.47	MM	GTB-1
chrX:106865769T>C	TBC1D8B	0.00	0.98	MM	GTB-1
chr11:6199819C>T	OR52W1	0.39	0.00	ALL	GTB-12
chr11:62526024G>A	AHNAK	0.33	0.00	ALL	GTB-12
chr11:70338423T>G	PPFIA1	0.46	0.00	ALL	GTB-12
chr12:55320758G>T	OR6C1	0.21	0.00	ALL	GTB-12
chr12:7190077C>G	PEX5	0.26	0.00	ALL	GTB-12
chr13:20729170C>T	EEF1AKMT1	0.36	0.00	ALL	GTB-12
chr14:100884395G>A	RTL1	0.34	0.00	ALL	GTB-12
chr15:76995618G>A	PSTPIP1	0.00	0.11	MM	GTB-12

chr16:30766502C>T	RNF40	0.44	0.00	ALL	GTB-12
chr17:3648894G>T	CTNS	0.33	0.00	ALL	GTB-12
chr17:37246849C>T	ACACA	0.44	0.00	ALL	GTB-12
chr18:7012006C>T	LAMA1	0.28	0.00	ALL	GTB-12
chr18:9208742A>G	ANKRD12	0.00	0.10	MM	GTB-12
chr19:31276959G>T	TSHZ3	0.00	0.34	MM	GTB-12
chr19:37388991CTTCT>C	ZNF527	0.30	0.00	ALL	GTB-12
chr19:39872621G>A	FCGBP	0.35	0.00	ALL	GTB-12
chr19:46018300G>A	PGLYRP1	0.31	0.00	ALL	GTB-12
chr20:63681224G>A	TEL1-TNFRSF6I	0.37	0.00	ALL	GTB-12
chr21:17547115G>A	CXADR	0.34	0.00	ALL	GTB-12
chr22:45925333C>T	WNT7B	0.36	0.00	ALL	GTB-12
chr2:43225265A>ACCCCG	ZFP36L2	0.32	0.00	ALL	GTB-12
chr2:43225266A>G	ZFP36L2	0.34	0.00	ALL	GTB-12
chr4:152328232C>T	FBXW7	0.28	0.00	ALL	GTB-12
chr4:3240043A>G	HTT	0.31	0.00	ALL	GTB-12
chr5:131988583C>T	AC026398.1	0.32	0.00	ALL	GTB-12
chr5:72461097C>T	ZNF366	0.00	0.15	MM	GTB-12
chr6:122781726C>G	FABP7	0.28	0.00	ALL	GTB-12
chr6:4135526C>A	C6orf201	0.27	0.00	ALL	GTB-12
chr6:78946040TAA>T	PHIP	0.37	0.00	ALL	GTB-12
chr9:100513336A>C	TMEFF1	0.00	0.25	MM	GTB-12
chr9:125484550G>A	MAPKAP1	0.00	0.15	MM	GTB-12
chrX:106726694G>A	RNF128	0.33	0.00	ALL	GTB-12
chrX:83509073C>T	POU3F4	0.30	0.00	ALL	GTB-12
chr10:100479955C>T	WNT8B	0.00	0.07	MM	GTB-7
chr10:102065587C>T	HPS6	0.00	0.07	MM	GTB-7
chr10:124008704A>G	CHST15	0.00	0.06	MM	GTB-7
chr10:13971954C>A	FRMD4A	0.00	0.09	MM	GTB-7
chr10:14845413G>A	HSPA14	0.00	0.08	MM	GTB-7
chr10:68195499G>A	MYPN	0.00	0.07	MM	GTB-7
chr10:70888665G>T	PCBD1	0.00	0.08	MM	GTB-7
chr10:80280770G>A	MAT1A	0.00	0.06	MM	GTB-7
chr10:80588655G>A	SH2D4B	0.00	0.05	MM	GTB-7
chr10:91630844G>A	PPP1R3C	0.00	0.07	MM	GTB-7
chr10:93515457A>G	CEP55	0.44	0.00	ALL	GTB-7
chr10:99420683G>A	GOT1	0.00	0.10	MM	GTB-7
chr11:10628819G>A	MRVI1	0.00	0.05	MM	GTB-7
chr11:113236304G>A	NCAM1	0.81	0.00	ALL	GTB-7
chr11:114250367C>T	ZBTB16	0.06	0.00	ALL	GTB-7
chr11:118902504C>T	CXCR5	0.00	0.07	MM	GTB-7
chr11:119340373G>A	C1QTNF5	0.06	0.00	ALL	GTB-7
chr11:123726637C>T	ZNF202	0.00	0.08	MM	GTB-7
chr11:124675413G>A	SPA17	0.00	0.10	MM	GTB-7
chr11:18400908C>T	LDHA	0.00	0.09	MM	GTB-7
chr11:406196G>A	SIGIRR	0.00	0.08	MM	GTB-7
chr11:43443496G>A	TTC17	0.00	0.06	MM	GTB-7
chr11:46705422C>T	ZNF408	0.00	0.05	MM	GTB-7
chr11:5508941C>A	UBQLN3	0.35	0.00	ALL	GTB-7
chr11:62148815G>A	INCENP	0.00	0.07	MM	GTB-7
chr11:64285685T>G	BAD	0.00	0.07	MM	GTB-7
chr11:72097623G>T	LAMTOR1	0.00	0.13	MM	GTB-7

chr11:83248391C>A	ANKRD42	0.00	0.10	MM	GTB-7
chr12:101737233C>T	SYCP3	0.00	0.12	MM	GTB-7
chr12:105233129A>G	APPL2	0.00	0.07	MM	GTB-7
chr12:109287957G>A	FOXN4	0.00	0.08	MM	GTB-7
chr12:112108858G>T	NAA25	0.00	0.06	MM	GTB-7
chr12:12095596C>G	BCL2L14	0.00	0.09	MM	GTB-7
chr12:26069812A>C	RASSF8	0.00	0.16	MM	GTB-7
chr12:26070505G>A	RASSF8	0.00	0.19	MM	GTB-7
chr12:47758822G>C	RAPGEF3	0.00	0.06	MM	GTB-7
chr12:47993486G>A	COL2A1	0.00	0.12	MM	GTB-7
chr12:48340521AC>A	ZNF641	0.00	0.15	MM	GTB-7
chr12:49046175C>T	KMT2D	0.39	0.00	ALL	GTB-7
chr12:49543474C>T	KCNH3	0.00	0.05	MM	GTB-7
chr12:56164425G>A	MYL6	0.00	0.05	MM	GTB-7
chr12:57204478G>A	LRP1	0.00	0.06	MM	GTB-7
chr12:6235914G>A	CD9	0.00	0.13	MM	GTB-7
chr12:6236033C>T	CD9	0.00	0.06	MM	GTB-7
chr12:6644562G>T	ACRBP	0.00	0.07	MM	GTB-7
chr12:6850892G>A	CDCA3	0.00	0.06	MM	GTB-7
chr13:114056664C>T	RASA3	0.00	0.10	MM	GTB-7
chr13:54441310C>T	RPL13AP25	0.88	0.00	ALL	GTB-7
chr14:102213827G>A	WDR20	0.00	0.05	MM	GTB-7
chr14:104026927C>T	TDRD9	0.00	0.05	MM	GTB-7
chr14:105155786C>T	JAG2	0.00	0.05	MM	GTB-7
chr14:105219034C>T	BRF1	0.00	0.10	MM	GTB-7
chr14:105391736C>T	PACS2	0.00	0.06	MM	GTB-7
chr14:34539569C>T	EAPP	0.00	0.06	MM	GTB-7
chr14:50108690C>T	VCPKMT	0.00	0.12	MM	GTB-7
chr14:64441409C>T	MTHFD1	0.00	0.08	MM	GTB-7
chr14:89924303C>T	EFCAB11	0.00	0.09	MM	GTB-7
chr15:40296606C>T	PLCB2	0.00	0.09	MM	GTB-7
chr15:43377864C>T	TUBGCP4	0.00	0.06	MM	GTB-7
chr15:71848855C>T	MYO9A	0.00	0.09	MM	GTB-7
chr15:72168957C>T	GRAMD2A	0.00	0.08	MM	GTB-7
chr15:73751054C>T	INSYN1	0.00	0.07	MM	GTB-7
chr15:74755085T>C	CYP1A2	0.00	0.05	MM	GTB-7
chr15:78131180C>T	CIB2	0.00	0.07	MM	GTB-7
chr15:89322015G>A	POLG	0.00	0.06	MM	GTB-7
chr16:12909391G>C	SHISA9	0.00	0.10	MM	GTB-7
chr16:1362128C>A	GNPTG	0.00	0.05	MM	GTB-7
chr16:17470652C>T	XYLT1	0.00	0.06	MM	GTB-7
chr16:1959678G>A	NDUFB10	0.00	0.06	MM	GTB-7
chr16:25169161G>A	LCMT1	0.00	0.08	MM	GTB-7
chr16:27067422C>T	AC092725.1	0.00	0.06	MM	GTB-7
chr16:55327631G>A	IRX6	0.00	0.05	MM	GTB-7
chr16:57643973G>A	ADGRG1	0.00	0.16	MM	GTB-7
chr16:67238416G>A	FHOD1	0.00	0.05	MM	GTB-7
chr16:67936460G>A	PSMB10	0.00	0.05	MM	GTB-7
chr16:71684508C>T	PHLPP2	0.00	0.07	MM	GTB-7
chr16:83915895C>T	MLYCD	0.00	0.07	MM	GTB-7
chr16:88749468G>A	PIEZO1	0.00	0.06	MM	GTB-7
chr17:16353297C>T	CENPV	0.00	0.06	MM	GTB-7

chr17:20205812G>A	SPECC1	0.00	0.09	MM	GTB-7
chr17:2690671C>T	CLUH	0.00	0.06	MM	GTB-7
chr17:38510650C>T	ARHGAP23	0.00	0.09	MM	GTB-7
chr17:42850330C>T	AOC2	0.00	0.05	MM	GTB-7
chr17:44383546C>T	ITGA2B	0.00	0.07	MM	GTB-7
chr17:53823602T>A	KIF2B	0.00	0.07	MM	GTB-7
chr17:58514381G>A	MTMR4	0.00	0.06	MM	GTB-7
chr17:63524311G>A	AC113554.1	0.00	0.08	MM	GTB-7
chr17:7076785C>T	CLEC10A	0.00	0.08	MM	GTB-7
chr17:75731246C>T	ITGB4	0.00	0.05	MM	GTB-7
chr17:76019558G>A	EVPL	0.00	0.06	MM	GTB-7
chr17:76474730C>T	RHBDF2	0.00	0.10	MM	GTB-7
chr17:77214492A>C	SEC14L1	0.00	0.09	MM	GTB-7
chr17:81165963G>A	PVALEF	0.00	0.06	MM	GTB-7
chr17:8828860G>A	PIK3R6	0.00	0.06	MM	GTB-7
chr18:35140319G>A	MAPRE2	0.00	0.05	MM	GTB-7
chr18:46253735TCTG>T	C18orf25	0.00	0.07	MM	GTB-7
chr19:1053526G>A	ABCA7	0.00	0.06	MM	GTB-7
chr19:1510933G>A	ADAMTSL5	0.00	0.07	MM	GTB-7
chr19:15451852C>T	RASAL3	0.05	0.00	ALL	GTB-7
chr19:1621163G>A	TCF3	0.00	0.05	MM	GTB-7
chr19:17306274C>A	MRPL34	0.00	0.07	MM	GTB-7
chr19:17540411C>T	FAM129C	0.00	0.07	MM	GTB-7
chr19:17658090C>T	UNC13A	0.00	0.07	MM	GTB-7
chr19:18388657C>T	GDF15	0.00	0.05	MM	GTB-7
chr19:18668646G>A	KLHL26	0.00	0.06	MM	GTB-7
chr19:23136032C>T	ZNF730	0.00	0.12	MM	GTB-7
chr19:3029133G>A	TLE2	0.00	0.07	MM	GTB-7
chr19:32598283C>T	ANKRD27	0.00	0.07	MM	GTB-7
chr19:35781215C>T	ARHGAP33	0.00	0.07	MM	GTB-7
chr19:38723635C>T	ACTN4	0.00	0.07	MM	GTB-7
chr19:42249018G>A	ERF	0.00	0.05	MM	GTB-7
chr19:44087214G>A	ZNF284	0.00	0.09	MM	GTB-7
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chr19:5778633C>T	CATSPERD	0.00	0.05	MM	GTB-7
chr19:7535923C>T	MCOLN1	0.00	0.06	MM	GTB-7
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chr1:12578718C>T	DHRS3	0.00	0.10	MM	GTB-7
chr1:151045003G>A	BNIP1	0.00	0.08	MM	GTB-7
chr1:151574969G>A	TUFT1	0.00	0.06	MM	GTB-7
chr1:156670327C>T	NES	0.00	0.07	MM	GTB-7
chr1:201199352G>A	IGFN1	0.00	0.07	MM	GTB-7
chr1:213997276G>A	PROX1	0.00	0.06	MM	GTB-7
chr1:21878615G>A	HSPG2	0.00	0.06	MM	GTB-7
chr1:222989404G>A	DISP1	0.00	0.08	MM	GTB-7
chr1:225043032C>A	DNAH14	0.00	0.11	MM	GTB-7
chr1:228275803G>A	OBSCN	0.00	0.06	MM	GTB-7
chr1:228494212CT>C	RNF187	0.00	0.06	MM	GTB-7

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chr1:26370675G>A	ZNF683	0.00	0.06	MM	GTB-7
chr1:27292239C>A	WDTC1	0.00	0.07	MM	GTB-7
chr1:30733912G>A	LAPTM5	0.00	0.06	MM	GTB-7
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chr1:39571189C>T	PABPC4	0.00	0.05	MM	GTB-7
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chr1:77283101A>G	AK5	0.00	0.05	MM	GTB-7
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chr20:32432908G>A	ASXL1	0.00	0.05	MM	GTB-7
chr20:38988819G>A	DHX35	0.00	0.07	MM	GTB-7
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chr21:26170617G>A	APP	0.00	0.07	MM	GTB-7
chr21:34099516T>C	SLC5A3	0.00	0.23	MM	GTB-7
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chr21:39188336T>C	PSMG1	0.00	0.18	MM	GTB-7
chr21:39189086G>T	BRWD1	0.00	0.23	MM	GTB-7
chr21:41741204C>T	RIPK4	0.00	0.06	MM	GTB-7
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chr21:42768846C>T	PDE9A	0.00	0.09	MM	GTB-7
chr21:42879214G>C	WDR4	0.00	0.05	MM	GTB-7
chr21:45477923G>A	COL18A1	0.00	0.10	MM	GTB-7
chr21:46207557C>T	LSS	0.00	0.06	MM	GTB-7
chr22:20139199C>T	ZDHHC8	0.00	0.07	MM	GTB-7
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chr22:21959457A>C	TOP3B	0.00	0.09	MM	GTB-7
chr22:29216492G>A	EMID1	0.00	0.07	MM	GTB-7
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chr22:31463712C>T	EIF4ENIF1	0.00	0.06	MM	GTB-7
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chr22:38169388G>A	PLA2G6	0.00	0.06	MM	GTB-7
chr22:38294503C>T	CSNK1E	0.00	0.05	MM	GTB-7
chr22:39433501C>T	TAB1	0.00	0.07	MM	GTB-7
chr22:41237830G>A	CHADL	0.00	0.07	MM	GTB-7
chr22:42126611C>G	CYP2D6	0.00	0.13	MM	GTB-7
chr22:45525625C>T	FBLN1	0.00	0.05	MM	GTB-7
chr22:48646641G>T	FAM19A5	0.79	0.00	ALL	GTB-7
chr22:50462086C>T	SBF1	0.00	0.07	MM	GTB-7
chr2:109432541G>A	SH3RF3	0.00	0.06	MM	GTB-7
chr2:127257609C>T	ERCC3	0.00	0.06	MM	GTB-7
chr2:178702565C>T	TTN	0.00	0.08	MM	GTB-7

chr2:178799668C>T	TTN	0.00	0.06	MM	GTB-7
chr2:227718030G>A	SLC19A3	0.00	0.08	MM	GTB-7
chr2:229836947C>T	TRIP12	0.00	0.05	MM	GTB-7
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chr2:233319591G>GA	SAG	0.00	0.11	MM	GTB-7
chr2:236324694C>T	IQCA1	0.00	0.06	MM	GTB-7
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chr2:27496964G>A	GCKR	0.00	0.11	MM	GTB-7
chr2:31403097C>T	XDH	0.00	0.05	MM	GTB-7
chr2:56183699G>A	CCDC85A	0.00	0.06	MM	GTB-7
chr2:65311444G>A	SPRED2	0.00	0.10	MM	GTB-7
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chr3:156457320C>CTT	KCNAB1	0.00	0.15	MM	GTB-7
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chr4:1984102G>A	NSD2	0.00	0.06	MM	GTB-7
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chr6:110431268G>A	SLC22A16	0.00	0.07	MM	GTB-7
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chr6:36721641C>T	RAB44	0.00	0.05	MM	GTB-7
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chr7:143397306C>T	EPHA1	0.00	0.05	MM	GTB-7
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chr8:22581456G>A	PDLIM2	0.00	0.06	MM	GTB-7
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chr8:86402037G>A	WWP1	0.00	0.10	MM	GTB-7
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chr9:131061088C>T	LAMC3	0.00	0.06	MM	GTB-7
chr9:131475609G>A	PRRC2B	0.00	0.06	MM	GTB-7
chr9:132990882G>A	GFI1B	0.00	0.06	MM	GTB-7
chr9:133110418C>T	AL162417.1	0.00	0.06	MM	GTB-7
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chr9:27529865C>T	MOB3B	0.00	0.06	MM	GTB-7
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chr9:36080630G>A	RECK	0.00	0.11	MM	GTB-7
chr9:92047228G>A	SPTLC1	0.00	0.05	MM	GTB-7
chr9:94084555C>T	PTPDC1	0.00	0.05	MM	GTB-7
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chrX:119629466C>T	6-Sep	0.00	0.05	MM	GTB-7
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chrX:154353415G>A	FLNA	0.00	0.11	MM	GTB-7
chrX:16828144G>A	TXLNG	0.00	0.10	MM	GTB-7
chrX:47245061G>A	USP11	0.00	0.05	MM	GTB-7
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chr10:102066734GCTCA>G	HPS6	0.23	0.00	ALL	GTB-3
chr10:133270384C>G	ADAM8	0.31	0.00	ALL	GTB-3
chr10:21759621A>T	DNAJC1	0.26	0.00	ALL	GTB-3
chr10:79349106G>T	PPIF	0.26	0.00	ALL	GTB-3
chr10:96623561T>A	PIK3AP1	0.21	0.00	ALL	GTB-3
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chr11:130673014T>G	C11orf44	0.07	0.00	ALL	GTB-3
chr11:59422022C>T	OR5A2	0.36	0.00	ALL	GTB-3
chr11:64224774G>A	NUDT22	0.41	0.00	ALL	GTB-3
chr11:67302189GC>G	ANKRD13D	0.39	0.00	ALL	GTB-3
chr11:85685510G>A	CCDC89	0.00	0.59	MM	GTB-3
chr11:89875856C>T	TRIM64B	0.16	0.00	ALL	GTB-3
chr11:93784465GT>G	MED17	0.00	0.17	MM	GTB-3
chr12:13090649T>C	GSG1	0.00	0.47	MM	GTB-3
chr12:25227341T>G	KRAS	0.00	0.35	MM	GTB-3
chr12:54281806T>C	CBX5	0.24	0.00	ALL	GTB-3
chr12:57234154A>G	NDUFA4L2	0.35	0.00	ALL	GTB-3
chr12:66456153T>C	GRIP1	0.46	0.00	ALL	GTB-3
chr12:6772838C>G	LAG3	0.36	0.00	ALL	GTB-3
chr12:81445691C>A	PPFIA2	0.00	0.54	MM	GTB-3
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chr13:40757049T>C	MRPS31	0.38	0.00	ALL	GTB-3
chr13:42187076C>T	DGKH	0.00	0.19	MM	GTB-3
chr13:48380215T>C	RB1	0.00	0.43	MM	GTB-3
chr14:104954285G>A	AHNAK2	0.38	0.00	ALL	GTB-3
chr14:21391034C>T	CHD8	0.33	0.00	ALL	GTB-3
chr14:36666497G>T	PAX9	0.05	0.00	ALL	GTB-3
chr14:50322602C>A	DMAC2L	0.00	0.43	MM	GTB-3
chr14:52707228C>T	PSMC6	0.24	0.00	ALL	GTB-3
chr15:40844987G>A	SPINT1	0.00	0.59	MM	GTB-3

chr15:42690859C>G	STARD9	0.68	0.00	ALL	GTB-3
chr15:43154870G>A	TMEM62	0.56	0.00	ALL	GTB-3
chr15:45131972C>A	DUOX1	0.00	0.23	MM	GTB-3
chr15:51474460G>A	DMXL2	0.00	0.15	MM	GTB-3
chr16:20587931G>A	AC141273.1	0.66	0.00	ALL	GTB-3
chr16:28833257G>A	ATXN2L	0.00	0.05	MM	GTB-3
chr16:32879580G>A	SLC6A10P	0.67	0.00	ALL	GTB-3
chr16:60359340C>T	NPAP1L	0.64	0.00	ALL	GTB-3
chr16:70251726C>G	AARS	0.67	0.00	ALL	GTB-3
chr16:81151869T>C	PKD1L2	0.60	0.00	ALL	GTB-3
chr16:86510641G>T	FOXF1	0.63	0.00	ALL	GTB-3
chr17:39792882AAAAC>A	IKZF3	0.22	0.00	ALL	GTB-3
chr17:39792888T>TTTTGCC	IKZF3	0.28	0.00	ALL	GTB-3
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chr17:6596220C>T	KIAA0753	0.00	0.06	MM	GTB-3
chr17:76736877G>A	SRSF2	0.00	0.06	MM	GTB-3
chr17:7673803G>A	TP53	0.66	0.00	ALL	GTB-3
chr17:81512182A>C	ACTG1	0.00	0.62	MM	GTB-3
chr18:3067455T>G	MYOM1	0.33	0.00	ALL	GTB-3
chr18:63901872G>A	SERPINB2	0.00	0.36	MM	GTB-3
chr18:70054242G>A	RTTN	0.00	0.43	MM	GTB-3
chr19:38192331C>T	SIPA1L3	0.00	0.30	MM	GTB-3
chr19:40605220G>A	LTBP4	0.00	0.30	MM	GTB-3
chr19:41506185C>T	AC243960.2	0.00	0.25	MM	GTB-3
chr19:49189056G>C	TRPM4	0.36	0.00	ALL	GTB-3
chr19:51588352C>T	ZNF175	0.00	0.05	MM	GTB-3
chr19:55346243G>A	KMT5C	0.00	0.29	MM	GTB-3
chr1:111282535C>G	CHIAP2	0.38	0.00	ALL	GTB-3
chr1:156540031C>T	IQGAP3	0.00	0.39	MM	GTB-3
chr1:205524355C>G	CDK18	0.00	0.50	MM	GTB-3
chr1:225877498T>A	TMEM63A	0.33	0.00	ALL	GTB-3
chr1:23456043G>A	ASAP3	0.00	0.29	MM	GTB-3
chr1:29305363C>T	PTPRU	0.39	0.00	ALL	GTB-3
chr1:58576628T>C	TACSTD2	0.28	0.00	ALL	GTB-3
chr1:58576629CAGCTCGGC	TACSTD2	0.28	0.00	ALL	GTB-3
chr1:64678155G>T	CACHD1	0.00	0.43	MM	GTB-3
chr20:46726240G>A	SLC2A10	0.00	0.40	MM	GTB-3
chr20:59253878T>C	ZNF831	0.00	0.45	MM	GTB-3
chr21:42762110G>C	PDE9A	0.34	0.00	ALL	GTB-3
chr22:18401273C>T	PPP1R26P3	0.19	0.00	ALL	GTB-3
chr22:22888262A>G	IGLL5	0.00	0.57	MM	GTB-3
chr22:43258182G>A	SCUBE1	0.00	0.43	MM	GTB-3
chr22:45550517C>A	FBLN1	0.00	0.43	MM	GTB-3
chr2:130916551G>T	ARHGEF4	0.00	0.42	MM	GTB-3
chr2:131492500G>C	MZT2A	0.00	0.08	MM	GTB-3
chr2:1477502C>T	TPO	0.41	0.00	ALL	GTB-3
chr2:209709962C>A	MAP2	0.27	0.00	ALL	GTB-3
chr2:96279556A>G	SNRNP200	0.29	0.00	ALL	GTB-3
chr3:36831442T>A	TRANK1	0.65	0.00	ALL	GTB-3
chr3:37473397C>A	ITGA9	0.61	0.00	ALL	GTB-3
chr3:38847417T>C	SCN11A	0.00	0.40	MM	GTB-3
chr4:143469223A>C	GAB1	0.00	0.46	MM	GTB-3

chr4:40243823A>C	RHOH	0.63	0.00	ALL	GTB-3
chr4:55592192G>A	PDCL2	0.00	0.10	MM	GTB-3
chr4:55870779G>A	EXOC1	0.00	0.48	MM	GTB-3
chr4:61998201T>C	ADGRL3	0.00	0.57	MM	GTB-3
chr4:73487114T>A	AFM	0.00	0.54	MM	GTB-3
chr5:11083841C>A	CTNND2	0.25	0.00	ALL	GTB-3
chr5:139392131C>T	MZB1	0.00	0.32	MM	GTB-3
chr5:140824019G>T	PCDHA1	0.00	0.32	MM	GTB-3
chr5:171213726T>G	RANBP17	0.09	0.00	ALL	GTB-3
chr5:7885888G>C	MTRR	0.36	0.00	ALL	GTB-3
chr6:10773092T>G	AL024498.2	0.00	0.42	MM	GTB-3
chr6:111411528T>C	REV3L	0.00	0.38	MM	GTB-3
chr6:117341329C>A	AL132671.2	0.42	0.00	ALL	GTB-3
chr6:32522218G>C	HLA-DRB5	0.73	0.00	ALL	GTB-3
chr6:32814485T>G	AL669918.1	0.31	0.00	ALL	GTB-3
chr6:46596142G>T	CYP39A1	0.00	0.38	MM	GTB-3
chr6:55333823C>A	GFRAL	0.00	0.32	MM	GTB-3
chr6:99425318T>C	PNISR	0.00	0.44	MM	GTB-3
chr7:111868099G>A	DOCK4	0.00	0.62	MM	GTB-3
chr7:11417616A>G	THSD7A	0.00	0.61	MM	GTB-3
chr7:128852944G>A	FLNC	0.00	0.08	MM	GTB-3
chr7:148814123G>A	EZH2	0.44	0.00	ALL	GTB-3
chr7:151035703C>G	ABC8	0.00	0.28	MM	GTB-3
chr7:152113260C>G	GALNT11	0.57	0.00	ALL	GTB-3
chr8:104013644T>G	RIMS2	0.00	0.49	MM	GTB-3
chr8:112666377T>G	CSMD3	0.00	0.45	MM	GTB-3
chr8:144049346C>A	OPLAH	0.39	0.00	ALL	GTB-3
chr8:144414979C>T	SLC39A4	0.00	0.20	MM	GTB-3
chr8:39648401T>A	ADAM18	0.00	0.45	MM	GTB-3
chr9:106974355G>C	ZNF462	0.62	0.00	ALL	GTB-3
chr9:35094257T>C	PIGO	0.18	0.00	ALL	GTB-3
chr9:37518181C>T	FBXO10	0.00	0.22	MM	GTB-3
chr9:37522932C>T	FBXO10	0.00	0.25	MM	GTB-3
chr9:65691020C>T	CBWD5	0.00	0.43	MM	GTB-3
chr9:99036414C>G	COL15A1	0.62	0.00	ALL	GTB-3
chrX:111724904A>G	ALG13	0.70	0.00	ALL	GTB-3
chrX:130016199T>A	BCORL1	0.78	0.00	ALL	GTB-3
chrX:147938107G>C	FMR1	0.92	0.00	ALL	GTB-3
chrX:22099113T>A	PHEX	0.70	0.00	ALL	GTB-3
chrX:32412073G>GA	DMD	0.00	0.35	MM	GTB-3
chrX:45079246T>C	KDM6A	0.00	0.45	MM	GTB-3
chr10:101010614C>G	LZTS2	0.00	0.27	MM	GTB-8
chr10:38448153C>G	AL133216.2	0.00	0.14	MM	GTB-8
chr10:47999735C>T	FAM25C	0.00	0.15	MM	GTB-8
chr10:48206952G>A	FRMPD2	0.00	0.28	MM	GTB-8
chr11:112045139C>T	DLAT	0.00	0.12	MM	GTB-8
chr11:48991502C>T	TRIM53CP	0.00	0.23	MM	GTB-8
chr11:48991609T>C	TRIM53CP	0.00	0.12	MM	GTB-8
chr11:63468452G>T	HRASLS5	0.00	0.21	MM	GTB-8
chr11:64315787G>A	PRDX5	0.00	0.23	MM	GTB-8
chr11:78210604A>G	GAB2	0.00	0.18	MM	GTB-8
chr12:13071317C>T	FAM234B	0.00	0.27	MM	GTB-8

chr12:40558111C>A	RNU6-713P	0.00	0.21	MM	GTB-8
chr12:6464898A>G	TAPBPL	0.00	0.31	MM	GTB-8
chr12:9310388A>G	AC009533.1	0.00	0.23	MM	GTB-8
chr13:30932766C>T	TEX26	0.00	0.14	MM	GTB-8
chr13:98395783G>A	FARP1	0.62	0.00	ALL	GTB-8
chr15:25721820G>A	ATP10A	0.27	0.00	ALL	GTB-8
chr15:40807758C>G	DNAJC17	0.00	0.16	MM	GTB-8
chr15:49862348T>G	ATP8B4	0.00	0.17	MM	GTB-8
chr15:55680114G>T	PRTG	0.00	0.19	MM	GTB-8
chr15:71901190C>T	MYO9A	0.09	0.00	ALL	GTB-8
chr16:33287G>A	Z84723.1	0.00	0.09	MM	GTB-8
chr16:64950995G>A	CDH11	0.58	0.00	ALL	GTB-8
chr16:71745407G>T	AP1G1	0.00	0.13	MM	GTB-8
chr16:87839839G>A	SLC7A5	0.00	0.19	MM	GTB-8
chr17:4901601C>G	CHRNE	0.00	0.16	MM	GTB-8
chr17:75752508C>T	ITGB4	0.00	0.49	MM	GTB-8
chr17:7675160G>C	TP53	0.57	0.00	ALL	GTB-8
chr17:7890884C>G	CHD3	0.00	0.18	MM	GTB-8
chr18:11644582G>A	NPIP1P	0.00	0.18	MM	GTB-8
chr18:11644680G>T	NPIP1P	0.00	0.12	MM	GTB-8
chr18:11644734T>C	AP001120.3	0.00	0.10	MM	GTB-8
chr18:23873026C>T	LAMA3	0.00	0.24	MM	GTB-8
chr18:2707623T>G	SMCHD1	0.00	0.17	MM	GTB-8
chr18:54337298C>T	STARD6	0.00	0.26	MM	GTB-8
chr19:35780031G>T	ARHGAP33	0.37	0.00	ALL	GTB-8
chr19:41893271C>G	ARHGEF1	0.44	0.00	ALL	GTB-8
chr19:44386639C>T	AC245748.1	0.00	0.20	MM	GTB-8
chr19:4818341C>T	TICAM1	0.38	0.00	ALL	GTB-8
chr19:50261509G>A	MYH14	0.31	0.00	ALL	GTB-8
chr19:757154G>A	MISP	0.00	0.14	MM	GTB-8
chr1:112584110C>A	ST7L	0.00	0.11	MM	GTB-8
chr1:16490636T>C	CROCCP3	0.00	0.16	MM	GTB-8
chr1:16539463A>G	LINC01783	0.27	0.00	ALL	GTB-8
chr1:171989112G>A	DNM3	0.00	0.18	MM	GTB-8
chr1:201070350A>C	CACNA1S	0.35	0.00	ALL	GTB-8
chr1:207759746A>T	CD46	0.08	0.00	ALL	GTB-8
chr1:21471661A>G	NBPF3	0.00	0.20	MM	GTB-8
chr1:228458424G>A	HIST3H2BB	0.00	0.09	MM	GTB-8
chr1:23967872A>T	PNRC2	0.00	0.15	MM	GTB-8
chr1:37761292C>T	EPHA10	0.00	0.23	MM	GTB-8
chr1:39413241C>T	MACF1	0.00	0.13	MM	GTB-8
chr1:74571401G>A	ERICH3	0.34	0.00	ALL	GTB-8
chr20:36927183G>A	SAMHD1	0.00	0.11	MM	GTB-8
chr20:43532941G>A	L3MBTL1	0.00	0.42	MM	GTB-8
chr20:50619977C>T	RIPOR3	0.00	0.19	MM	GTB-8
chr22:22630104G>A	BCRP4	0.00	0.21	MM	GTB-8
chr2:219329755C>A	RESP18	0.63	0.00	ALL	GTB-8
chr2:235807742C>A	AGAP1	0.05	0.00	ALL	GTB-8
chr3:112266280G>A	SLC9C1	0.00	0.26	MM	GTB-8
chr3:160436258G>A	TRIM59	0.00	0.16	MM	GTB-8
chr3:189631637G>C	TP63	0.00	0.10	MM	GTB-8
chr3:24190196G>A	THRB	0.00	0.25	MM	GTB-8

chr3:39189129A>G	XIRP1	0.00	0.10	MM	GTB-8
chr3:48644289C>A	CELSR3	0.00	0.18	MM	GTB-8
chr4:186603474C>A	FAT1	0.00	0.27	MM	GTB-8
chr4:5331285G>A	STK32B	0.00	0.22	MM	GTB-8
chr4:5622830G>T	EVC2	0.00	0.21	MM	GTB-8
chr4:69419027T>C	UGT2B24P	0.00	0.23	MM	GTB-8
chr5:1295397G>A	TERT	0.37	0.00	ALL	GTB-8
chr5:13862708G>T	DNAH5	0.00	0.10	MM	GTB-8
chr5:138886218C>T	CTNNA1	0.00	0.13	MM	GTB-8
chr5:141158033C>T	PCDHB6	0.00	0.19	MM	GTB-8
chr5:141234631T>C	AC244517.10	0.00	0.11	MM	GTB-8
chr5:141423925T>C	PCDHGA2	0.00	0.15	MM	GTB-8
chr5:177514976T>C	DDX41	0.00	0.19	MM	GTB-8
chr5:177631524A>G	AC139795.1	0.00	0.15	MM	GTB-8
chr5:90405729C>T	CETN3	0.00	0.24	MM	GTB-8
chr6:166366076C>T	MPC1	0.00	0.14	MM	GTB-8
chr6:167208796C>T	AL353747.1	0.00	0.29	MM	GTB-8
chr6:42619432T>A	UBR2	0.24	0.00	ALL	GTB-8
chr6:65837457G>T	ADH5P4	0.57	0.00	ALL	GTB-8
chr6:84055263C>T	MRAP2	0.00	0.19	MM	GTB-8
chr6:99425375A>G	PNISR	0.00	0.09	MM	GTB-8
chr7:101040055C>T	MUC17	0.00	0.14	MM	GTB-8
chr7:128754693A>T	CALU	0.00	0.14	MM	GTB-8
chr7:151041129G>A	ABC8	0.32	0.00	ALL	GTB-8
chr7:42148225C>T	GLI3	0.00	0.15	MM	GTB-8
chr7:4860526G>C	RADIL	0.00	0.28	MM	GTB-8
chr7:63572321G>A	TNRC18P2	0.00	0.15	MM	GTB-8
chr8:125433263G>C	TRIB1	0.00	0.22	MM	GTB-8
chr8:8020012C>G	FAM90A24P	0.00	0.19	MM	GTB-8
chr9:127732512C>T	TOR2A	0.00	0.13	MM	GTB-8
chr9:128498410T>G	ODF2	0.61	0.00	ALL	GTB-8
chr9:129099908C>T	CRAT	0.00	0.20	MM	GTB-8
chr9:34372875G>C	MYORG	0.00	0.15	MM	GTB-8
chr9:76709219A>ATGACTG`	PRUNE2	0.00	0.14	MM	GTB-8
chr9:76846602G>A	PRUNE2	0.00	0.22	MM	GTB-8
chrX:149505093C>T	IDS	0.15	0.00	ALL	GTB-8
chrX:152728157G>C	CSAG1	0.00	0.21	MM	GTB-8
chrX:152728158T>A	CSAG1	0.00	0.21	MM	GTB-8