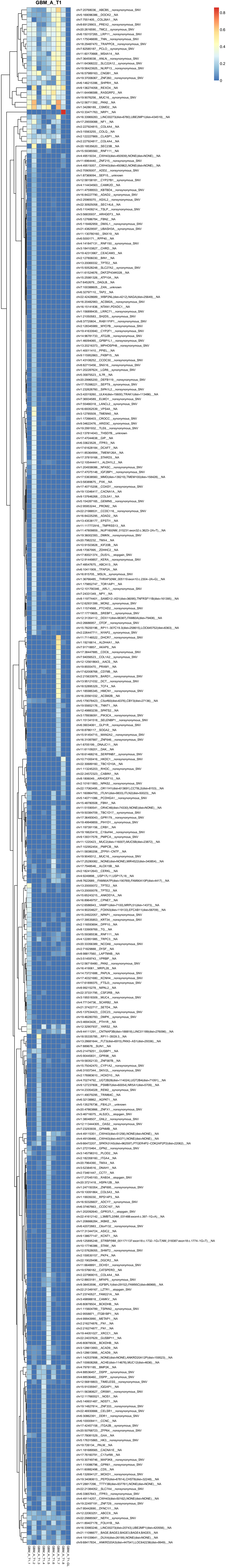


GBM_A_T1



chr7:20768036__ABC85__nonsynonymous_SNV
chr5:169096386__DOCK2__NA
chr7:7551405__COL28A1__NA
chr8:69129903__PREX2__nonsynonymous_SNV
chr20:2616590__TMC2__synonymous_SNV
chr6:150157265__LRP11__nonsynonymous_SNV
chr1:175046699__TNN__nonsynonymous_SNV
chr18:29487470__TRAPPC8__nonsynonymous_SNV
chr7:82585187__PCLO__synonymous_SNV
chr11:60170668__MS4A14__NA
chr7:36459038__ANLN__nonsynonymous_SNV
chr11:64368222__SLC22A12__synonymous_SNV
chr19:56423925__NLRP13__nonsynonymous_SNV
chr16:57989163__CNGB1__NA
chr19:37006067__ZNF260__nonsynonymous_SNV
chr6:146215396__SHPRH__NA
chr9:136274058__REXO4__NA
chr11:64496588__RASGRP2__NA
chr19:9076256__MUC16__synonymous_SNV
chr12:56711392__PAN2__NA
chr1:34286189__CSMD2__NA
chr10:33471763__NRP1__NA
chr16:33969283__LINC00273(dist=6780),UBE2MP1(dist=434519)__NA
chr17:29559088__NF1__NA
chr2:227924815__COL4A4__NA
chr3:15563225__COLQ__NA
chr2:122277869__CLASP1__NA
chr2:227924817__COL4A4__NA
chr20:18535620__SEC23B__NA
chr15:59385560__RNF11__NA
chr4:49515034__CWH43(dist=450939),NONE(dist=NONE)__NA
chr11:6964440__ZNF215__nonsynonymous_SNV
chr4:49515057__CWH43(dist=450962),NONE(dist=NONE)__NA
chr2:70905007__ADD2__nonsynonymous_SNV
chr1:87369094__SEP15__unknown
chr12:58158181__CYP27B1__synonymous_SNV
chr4:11434563__CAMK2D__NA
chr11:47599553__KBTBD4__nonsynonymous_SNV
chr16:84227790__ADAD2__synonymous_SNV
chr2:25965070__ASXL2__nonsynonymous_SNV
chr2:30925058__SEC14L6__NA
chr5:110409214__TSLP__nonsynonymous_SNV
chr3:56835937__ARHGFE3__NA
chr5:127686784__FBN2__NA
chr5:118482959__DMXL1__nonsynonymous_SNV
chr21:43829597__UBASH3A__synonymous_SNV
chr11:130780160__SNX19__NA
chr6:5000171__RPP40__NA
chr4:141847131__RNF150__synonymous_SNV
chr3:184103827__CHRD__NA
chr19:42313967__CEACAM3__NA
chr2:127806030__BIN1__NA
chr13:20069332__TPTE2__NA
chr15:50528248__SLC27A2__synonymous_SNV
chr11:61524676__DKFZP434K028__NA
chr15:25981326__ATP10A__NA
chr7:6452679__DAGLB__NA
chr7:100388605__ZAN__unknown
chr6:32797110__TAP2__NA
chr22:42428689__WBP2NL(dist=4212),NAGA(dist=25649)__NA
chr16:20482983__ACSM2A__nonsynonymous_SNV
chr16:15141836__NTAN1,PDXDC1__NA
chr1:156899435__LRRRC71__nonsynonymous_SNV
chr1:21050583__SH2D5__synonymous_SNV
chr8:37720604__RAB11FIP1__nonsynonymous_SNV
chr2:128345989__MYO7B__nonsynonymous_SNV
chr19:41633940__CYP2F1__nonsynonymous_SNV
chr14:96781733__ATG2B__nonsynonymous_SNV
chr1:46094065__GPBP1L1__nonsynonymous_SNV
chr13:20216373__MPHOSPH8__nonsynonymous_SNV
chr1:40011410__PPIEL__NA
chr9:115952863__FKBP15__NA
chr1:43108252__CCDC30__nonsynonymous_SNV
chr8:82715456__SNX16__nonsynonymous_SNV
chr1:202287624__LGR6__synonymous_SNV
chr5:35875523__IL7R__NA
chr20:29965200__DEFB119__nonsynonymous_SNV
chr17:75398221__SEPT9__synonymous_SNV
chr1:232626760__SIPA1L2__nonsynonymous_SNV
chr3:42019260__ULK4(dist=15600),TRAK1(dist=113486)__NA
chr7:36934589__ELMO1__nonsynonymous_SNV
chr7:55466318__LANCL2__synonymous_SNV
chr16:69352539__VPS4A__NA
chr3:12785509__TMEM40__NA
chr1:17266403__CROCC__synonymous_SNV
chr9:34622476__ARID3C__synonymous_SNV
chr19:2991932__TLE6__nonsynonymous_SNV
chr2:137814043__THSD7B__unknown
chr17:47044638__GIP__NA
chr6:33623528__ITPR3__NA
chr17:61628184__DCAF7__NA
chr11:85364994__TMEM126A__NA
chr17:37819168__STAR3__NA
chr12:10544411__ALDH1L2__NA
chr1:204938086__NFASC__nonsynonymous_SNV
chr17:47075148__IGFBP1__nonsynonymous_SNV
chr17:53638560__MMD(dist=139219),TMEM100(dist=158428)__NA
chr3:58389675__PKX__NA
chr17:40715206__COASY__nonsynonymous_SNV
chr19:13346417__CACNA1A__NA
chr9:137646268__COL5A1__NA
chr5:154287165__GEMIN5__nonsynonymous_SNV
chr2:95953244__PROM2__NA
chr22:21988531__CCDC116__nonsynonymous_SNV
chr16:84225295__ADADC2__NA
chr13:43538177__EPST1__NA
chr11:11772916__TMPRSS13__NA
chr11:47809859__NUP160(NM_015231:exon32:c.3623-2A>T)__NA
chr19:36002393__DMKN__nonsynonymous_SNV
chr20:7982232__TMX4__NA
chr10:91503828__KIF20B__NA
chr8:17067995__ZDHHC2__NA
chr17:80021374__DUS1L__stopgain_SNV
chr12:91449857__KERA__nonsynonymous_SNV
chr7:48547675__ABCA13__NA
chr6:10411909__TFAP2A__NA
chr16:815705__MSLN__synonymous_SNV
chr1:36766485__THRAP3(NM_005119:exon10:c.2304-2A>G)__NA
chr1:179852747__TOR1AIP1__NA
chr12:101790346__ARL1__nonsynonymous_SNV
chr7:24331349__NPY__NA
chr8:119774401__SAMD12-AS1(dist=36095),TNFRSF11B(dist=161395)__NA
chr12:62931399__MON2__nonsynonymous_SNV
chr17:17719605__SREBF1__synonymous_SNV
chr12:31354112__DDX11(dist=96387),FAM60A(dist=79408)__NA
chr2:26686957__OTOF__nonsynonymous_SNV
chr15:78200196__RP11-307C19.3(dist=258615),LOC645752(dist=6363)__NA
chr2:226447711__NYAP2__synonymous_SNV
chr1:71146522__DHCR7__nonsynonymous_SNV
chr1:19216614__ALDH4A1__NA
chr7:91718857__AKAP9__NA
chr17:38447885__CDC6__nonsynonymous_SNV
chr7:94056523__COL1A2__synonymous_SNV
chr12:125618643__AACS__NA
chr19:8555470__PRAM1__NA
chr17:62008768__CD79B__NA
chr2:215633979__BARD1__nonsynonymous_SNV
chr13:95121032__DCT__nonsynonymous_SNV
chr18:52895329__COL4__NA
chr1:185985345__HMCN1__nonsynonymous_SNV
chr16:20561032__ACSM2B__NA
chr5:157878423__C5orf60(dist=6376),CBY3(dist=21736)__NA
chr19:569524176__TNNT1__NA
chr12:49883239__SPATS2__NA
chr3:178938091__PIK3CA__nonsynonymous_SNV
chr1:151341518__SELENBP1__nonsynonymous_SNV
chr6:39034061__GLP1R__nonsynonymous_SNV
chr8:8786117__SOGA2__NA
chr15:91454715__MAN2A2__nonsynonymous_SNV
chr16:31087887__ZNF646__nonsynonymous_SNV
chr1:6705199__DNAJC1__NA
chr11:61109201__DAK__NA
chr18:61468216__SERPINB7__synonymous_SNV
chr10:71000416__HKDC1__nonsynonymous_SNV
chr22:30689160__TBC1D10A__NA
chr1:113245203__RHOC__nonsynonymous_SNV
chr22:24572323__CABIN1__NA
chr8:1806049__ARHGFE10__NA
chr2:101611883__NPAS2__nonsynonymous_SNV
chr22:17063495__OR11H1(dist=613691),CCT8L2(dist=8153)__NA
chr1:160864793__TLN1(dist=98833),ITLN2(dist=50023)__NA
chr5:140711086__PCDHGA1__nonsynonymous_SNV
chr15:48780508__FBN1__NA
chr11:51590541__OR4C46(dist=74330),NONE(dist=NONE)__NA
chr19:50384709__TBC1D17__synonymous_SNV
chr17:36493043__GPR179__nonsynonymous_SNV
chr19:49949859__PIH1D1__synonymous_SNV
chr1:197391156__CRB1__NA
chr19:16620419__C19orf44__nonsynonymous_SNV
chr9:139317578__PMPCA__synonymous_SNV
chr11:1220423__MUC2(dist=116007),MUC5B(dist=23872)__NA
chr7:102952454__PMPCB__NA
chr11:58380206__ZFP91__CNTF__NA
chr19:9049312__MUC16__nonsynonymous_SNV
chr17:25280082__NONE(dist=NONE),MIR4522(dist=340854)__NA
chr17:7948546__ALOX15B__NA
chr2:182412643__CERKL__NA
chr4:9249898__USP17L11,USP17L18__NA
chr8:7622689__FAM90A7P(dist=190769),FAM90A10P(dist=4417)__NA
chr13:20000078__TPTE2__NA
chr15:65243215__ANKDD1A__NA
chr16:89649757__CPNE7__NA
chr12:6586943__VAMP1(dist=7100),MRPL51(dist=14373)__NA
chr14:90204627__FOXN3(dist=119133),EFCAB11(dist=56709)__NA
chr15:24922057__NPAP1__nonsynonymous_SNV
chr17:39535853__KRT34__nonsynonymous_SNV
chr2:116593694__DPP10__NA
chr8:133909769__TG__NA
chr15:59385536__RNF11__NA
chr4:122851985__TRPC3__NA
chr20:33356389__NCOA6__nonsynonymous_SNV
chr2:71829888__DYSF__NA
chr8:88817560__LAPTM4B__NA
chr3:51459743__VPRBP__NA
chr12:56718480__PAN2__nonsynonymous_SNV
chr16:419061__MRPL28__NA
chr14:73721688__PAPLN__nonsynonymous_SNV
chr17:40321680__KCNH4__nonsynonymous_SNV
chr17:61899375__FTSJ3__nonsynonymous_SNV
chr8:99215278__NIPAL2__NA
chr22:37331795__CSF2RB__NA
chr3:195518309__MUC4__nonsynonymous_SNV
chr4:77134736__SCARB2__NA
chr21:37422717__SETD4__NA
chr5:137534423__CDC23__nonsynonymous_SNV
chr19:46280783__DMPK__synonymous_SNV
chr3:46943426__PTH1R__NA
chr12:32907937__YARS2__NA
chr9:44111291__CNTNAP3B(dist=188818),LINC01189(dist=276096)__NA
chr18:55335785__FLT3(dist=6915),PAN3-AS1(dist=29336)__NA
chr7:889678__SUN1__NA
chr5:21479251__GUSBP1__NA
chr5:90445831__GPR98__NA
chr19:58352133__ZNF587B__NA
chr15:75042470__CYP1A2__nonsynonymous_SNV
chr6:31937344__SKIV2L__nonsynonymous_SNV
chr2:176983610__HXB2D10__NA
chr4:70274792__UGT2B8(dist=114024),UGT2B4(dist=71091)__NA
chr9:127237806__PSMB7(dist=60054),NR5A1(dist=5709)__NA
chr14:23354028__REM2__synonymous_SNV
chr11:49079295__TRIM64C__NA
chr6:32138862__AGPAT1__NA
chr5:135276736__FBXL21__unknown
chr20:47663866__ZNF1X1__nonsynonymous_SNV
chr3:46716075__ALS2CL__stopgain_SNV
chr1:38048507__GNL2__nonsynonymous_SNV
chr12:113444305__OAS2__nonsynonymous_SNV
chr7:23293939__GPNMB__NA
chr4:49115351__CWH43(dist=51256),NONE(dist=NONE)__NA
chr4:49108466__CWH43(dist=44371),NONE(dist=NONE)__NA
chr9:66472207__SPATA31A5(dist=962597),PTGER4P2-CDK2AP2P2(dist=22062)__NA
chr1:27215464__GPN2__nonsynonymous_SNV
chr3:145798310__PLOC2__NA
chr2:182358160__ITGA4__NA
chr20:7964390__TMXA__NA
chr3:52384516__DNAH1__NA
chr2:73461447__CCT7__NA
chr17:27045193__RAB34__stopgain_SNV
chr20:3721418__HSPA12B__NA
chr1:247150354__ZNF695__nonsynonymous_SNV
chr19:10091864__COL5A3__NA
chr1:19935030__RPS14P3__NA
chr16:50326607__ADCY7__synonymous_SNV
chr6:37467663__CCDC167__NA
chr1:202092640__GPR37L1__stopgain_SNV
chr22:41612142__L3MBTL2(NM_031488:exon4:c.397-1G>A)__NA
chr1:206666284__IKBKE__NA
chr6:42072883__C6orf132__nonsynonymous_SNV
chr17:31344724__ASIC2__NA
chr9:138677147__KCNT1__NA
chr9:125895248__STRBP(NM_001171137:exon18:c.1732-1G>T,NM_018387:exon18:c.1774-1G>T)__NA
chr10:17746386__STAM__NA
chr12:57628055__SHMT2__nonsynonymous_SNV
chr2:159530157__PKP4__NA
chr22:19029496__DGCR2__NA
chr11:6648891__DCHS1__nonsynonymous_SNV
chr19:5766182__CATSPERD__NA
chr2:227969015__COL4A4__NA
chr12:8803181__MFAP5__synonymous_SNV
chr9:38453596__IGFBPL1(dist=29152),FAM95C(dist=86968)__NA
chr22:21349167__LZTR1__stopgain_SNV
chr7:23740527__FAM221A__NA
chr3:49898818__CAMKV__NA
chr6:80878504__BCKDHB__NA
chr1:115604789__TSPDH2__nonsynonymous_SNV
chr2:9558871__ITGB1BP1__NA
chr4:99943990__METAP1__NA
chr2:216274876__FN1__NA
chr2:216274877__FN1__NA
chr19:44051027__XRCC1__NA
chr22:24037629__GUSBP1__NA
chr6:80878508__BCKDHB__NA
chr3:128613993__ACAD9__NA
chr3:128613995__ACAD9__NA
chr1:142537898__NONE(dist=NONE),ANKRD20A1P2(dist=159523)__NA
chr7:100608268__ACHE(dist=114676),MUC12(dist=4636)__NA
chr4:79781185__BMP2K__NA
chr4:88536457__DSPP__synonymous_SNV
chr4:88536460__DSPP__synonymous_SNV
chr12:56818803__TIMELESS__nonsynonymous_SNV
chr15:91035947__IQGAP1__NA
chr11:56380627__ORSM1__nonsynonymous_SNV
chr12:117665521__NOS1__NA
chr15:149931487__NDST1__NA
chr19:14827814__ZNF333__nonsynonymous_SNV
chr22:46930666__CELSR1__nonsynonymous_SNV
chr6:30862391__DDR1__nonsynonymous_SNV
chr6:100009411__CCNC__NA
chr17:42457158__ITGA2B__synonymous_SNV
chr20:50768723__ZFP64__nonsynonymous_SNV
chr17:78081529__GAA__NA
chr5:176315865__HK3__nonsynonymous_SNV
chr19:726134__PALM__NA
chr1:181689565__CACNA1E__NA
chr17:76160791__C17orf99__NA
chr10:30749746__MAP3K8__nonsynonymous_SNV
chr1:110086796__GPR61__nonsynonymous_SNV
chr11:60882498__CD5__NA
chr6:1326894127__MOXD1__nonsynonymous_SNV
chr19:34080613__TTPY3B(dist=67814),CHST8(dist=32248)__NA
chrY:28817296__TTY3B(dist=937761),NONE(dist=NONE)__NA
chr22:21384052__SLC7A4__nonsynonymous_SNV
chr6:33657843__ITPR3__nonsynonymous_SNV
chr4:49114257__CWH43(dist=50162),NONE(dist=NONE)__NA
chr19:22497191__ZNF729__nonsynonymous_SNV
chr7:95442690__DYNC11__NA
chr12:22063251__ABCC9__NA
chr22:29885567__NEFH__synonymous_SNV
chr11:89407178__FOLH1B__NA
chr16:33983246__LINC00273(dist=20743),UBE2MP1(dist=420556)__NA
chr21:11096677__BAGE, BAGE2, BAGE3, BAGE4, BAGE5__NA
chr4:191039641__DUX4(dist=26199),NONE(dist=NONE)__NA
chr9:68417834__ANKRD20A3(dist=447541),LOC642236(dist=9949)__NA

GBM_A_T1.1
GBM_A_T1.2
GBM_A_T1.3
GBM_A_T1.4
GBM_A_T1.5
GBM_A_T1.6
GBM_A_T1.7
GBM_A_T1.8