

Header Explanation of MAF:

Head Name	Explanation
SUBJECT_NAME	Patient sample names consistently used among Manuscript, dbGaP and GDC.
dbGaP_ACCESSION	Users need the permission to access the dbGaP accession. Request the permission from dbGaP. See file #2 on GDC publication page for more details.
MUTATION_ID	Unique identifier for each mutation consistently used among manuscript supplementary file and the MAF file.
CHROMOSOME	Chromosome #
HG.19 POSITION	Based on Hg. 19 Build
REF. NT	Reference nucleotide based on the Hg. 19
ALT. NT	Mutation nucleotide detected by NGS sequencing
ENTREZ_GENE_ID	NCBI Gene ID
GENE SYMBOL	Official Symbol
EXEMPLAR ACCESSION	Exemplar NM_xxxx ID among several isoforms for a gene
AA CHANGE	Amino acid change corresponding to above NM_xxxxxx
MUTATION_TYPE	Mutation categories
DETECTION_TYPE	Regular => mutation read freq. >= 10%; subclonal => mutation read freq. <10%
HaloPlex	Targeted DNA super deep sequencing: 1=> mutation detected; 0=> mutation not detected; NA => sample/gene not sequenced
Exon-Seq	Whole exome sequencing: 1=> mutation detected; 0=> mutation not detected; NA => sample not sequenced
RNA-Seq	Whole mRNA sequencing: 1=> mutation detected; 0=> mutation not detected; NA => sample not sequenced
ADDITION_INHOUSE_EVIDENCE	Some of the patient samples were sequenced more than once. But only one experiment was deposited to the GDC. There was evidence in the other experiment for the corresponding mutation.
ANNOVAR_POP_FREQ_MAX	Mutation population background frequency from ANNOVAR's popfreq_max, which is "maximum allele frequency from several population frequency databases"
1000_Genome_ALL_Freq	Mutation population background frequency in 1000 Genome Project of all races
EXAC_ALL_Freq	Mutation population background frequency in EXAC database of all races
ESP_ALL_Freq	Mutation population background frequency in ESP database of all races
NCI60_Freq	Mutation population background frequency in NCI60 project
COSMIC	Mutation in COSMIC database
SIFT_SCORE	SIFT toxicity prediction
SIFT_PRED	SIFT toxicity prediction
PP2_HDIV	PolyPhen-2 toxicity prediction
PP2_HDIV_PRED	PolyPhen-2 toxicity prediction

