

Abbreviation	Detailed explanations
CHROM	Chromosome.
POS	The reference position, with the 1st base having position 1.
REF	Reference base(s).
ALT	Alternate base(s).
DP	Total read depth at the locus.
RO	Reference allele observation count, with partial observations recorded fractionally.
AO	Alternate allele observations, with partial observations recorded fractionally.
ALLELE	Allele (or ALT): In case of multiple ALT fields, this helps to identify which ALT we are referring to.
EFFECT	Annotation (a.k.a. effect): Annotated using Sequence Ontology terms. Multiple effects can be concatenated using '&'.
IMPACT	Putative_impact: A simple estimation of putative impact / deleteriousness : {HIGH, MODERATE, LOW, MODIFIER}.
FEATURE	Which type of feature is in the next field (e.g. transcript, motif, miRNA, etc.).
FEATUREID	Depending on the annotation, this may be: Transcript ID (preferably using version number), Motif ID, miRNA, ChipSeq peak, Histone mark, etc.
GENE	Common gene name (HGNC). Optional: use closest gene when the variant is "intergenic".
GENEID	Gene ID.
BIOTYPE	Transcript biotype: The bare minimum is at least a description on whether the transcript is {Coding, Noncoding}. Whenever possible, use ENSEMBL biotypes.
HGVS_C	Variant using HGVS notation (DNA level).
HGVS_P	If variant is coding, this field describes the variant using HGVS notation (Protein level). Since transcript ID is already mentioned in feature ID, it may be omitted here.

Refer to these weblinks:

http://snpeff.sourceforge.net/SnpEff_manual.html#input

<https://samtools.github.io/hts-specs/VCFv4.2.pdf>