







Variant_Classification (peptidelevel)	Variant_Type (neucleotide level)	Alternative_Variant_Type (neucleotide level)	Alternative_Criteria
Missense_Mutation/ Silent	SNP	SNP/ONP/DNP	the codon list of the target amino acid
Missense_Mutation/ Silent	ONP	SNP/ONP/DNP	the codon list of the target amino acid
Missense_Mutation/ Silent	DNP	SNP/ONP/DNP	the codon list of the target amino acid
Nonsense_Mutation	SNP	SNP/ONP/DNP	the stop codon list
Nonsense_Mutation	ONP	SNP/ONP/DNP	the stop codon list
Nonsense_Mutation	DNP	SNP/ONP/DNP	the stop codon list
Nonstop_Mutation	SNP	SNP/ONP/DNP	the codon list of all amino acids
Nonstop_Mutation	ONP	SNP/ONP/DNP	the codon list of all amino acids
Nonstop_Mutation	SNP	SNP/ONP/DNP	the codon list of all amino acids
In_Frame_Ins	(1)  (2)  (3) 	INS/INDEL	the codon list of the target amino acid(s); length of alt_seq_m up to (3 + alt_seq_h)
In_Frame_Del	(1)  (2)  (3) 	DEL/INDEL	the codon list of the target amino acid(s); length of alt_seq_m up to (3 + ref_seq_h)