

Name	CDS	Minimum	Maximum	Length	Polymorphism Type	Amino Acid Change	Codon Change	Protein Effect
C	pks3 CDS	1315191	1315191	1	SNP (transversion)			Extension
GT	oxidoreductase CDS	234497	234496	0	Insertion			Frame Shift
C	PPE7 CDS	424323	424322	0	Insertion (tandem repeat)			Frame Shift
G	flavoprotein CDS	2525727	2525727	1	Deletion (tandem repeat)			Frame Shift
GCAACGGTG	PE PGRS51 CDS	3779700	3779699	0	Insertion (tandem repeat)	A -> GNGA	GCC -> GGC,AAC,GGT,GCC	Insertion
A	dnaN CDS	2486	2486	1	SNP (transversion)		GCC -> GCA	None
G	PE PGRS4 CDS	336701	336701	1	SNP (transition)		GGT -> GGC	None
A	vapC23 CDS	3174993	3174993	1	SNP (transversion)	M -> K	ATG -> AAG	Start Codon Loss
TACGAC	pknA CDS	17902	17907	6	Substitution	TP -> VV	ACA,CCC -> GTC,GTA	Substitution
G	pknA CDS	17909	17909	1	SNP (transversion)	Q -> P	CAG -> CCG	Substitution
A	transmembrane protein CDS	69989	69989	1	SNP (transition)	G -> D	GGT -> GAT	Substitution
G	oxidoreductase CDS	234477	234477	1	SNP (transversion)			Truncation