

HEF-encoding gene (ORF) sequence			HEF protein sequence			Non-synonymous mutation (yes/no)
Nucleotide number	KM392471 reference	P0 inoculum	Amino acid position	KM392471 reference	P0 inoculum	
747	C	T	252	A	V	yes
850	R	G	276	M/V	V	no
892	G	A	290	G	R	yes
947	R	G	308	R/K	R	no
1512	W	T	496	R/S	S	no