

S6 Table. The top best hits of the Blastp search against non-redundant protein database at the NCBI using *P. penetrans* chorismate mutase type 2 domain sequence as query.

Accession	Description	Species	E-value	Query cover	Identi.
CAD29887	Putative chorismate mutase	<i>Globodera pallida</i>	7.00E-06	97%	48%
ABR19887	Chorismate mutase precursor protein	<i>Globodera rostochiensis</i>	1.00E-05	100%	45%
AEA07499	Chorismate mutase precursor protein	<i>Globodera pallida</i>	2.00E-05	100%	45%
AEA07500	Chorismate mutase precursor protein	<i>Globodera pallida</i>	2.00E-05	100%	45%
AIE45298	Chorismate mutase precursor	<i>Globodera ellingtonae</i>	1.00E-04	100%	44%
WP_013207545	Chorismate mutase	<i>Ralstonia solanacearum</i>	3.00E-04	98%	44%