

S7 Table. Summary of transcripts encoding proteases with a putative signal peptide and no TMHMM found in *Pratylenchus penetrans* transcriptome.

Peptidase class	Peptidase family	# of transcripts	Best hit Annotation	Best E-value	Best hit Species	Acession
Aspartic	A01A	4	ASP-4	0	<i>Meloidogyne incognita</i>	ABC88426
Cysteine	C01A	15	Cathepsin I-like cysteine proteinase	1.66E-155	<i>Heterodera glycines</i>	CAA70693
	C13	2	Prptidase C13	1.04E-149	<i>Toxocara canis</i>	KHN76941
	C19	1	Protein djn	1.28E-163	<i>Ascaris suum</i>	ERG81404
	C48	3	Sentrin	1.28E-65	<i>Loa loa</i>	EJD74295
	C95	2	Phospholipase b-like 2	0	<i>Caenorhabditis brenneri</i>	EGT40540
Metallo	M10A	4	Matrix metalloproteinase	1.12E-82	<i>Globodera rostochiensis</i>	AAR11447
	M12A	6	Protein NAS-isoform b	4.41E-144	<i>Strongiloides ratti</i>	CEF59451
	M13A	4	Protein NEP	8.01E-160	<i>Haemonchus contortus</i>	CDJ56930
	M14B	1	Carboxypeptidase e	0	<i>Toxocara canis</i>	KHN75110
	M38	1	Probable imidazolonepropionase	4.3E-27	<i>Caenorhabditis brenneri</i>	EGT51018
Serine	S01A	44	Serine protease	2.64E-75	<i>Heterodera glycines</i>	CAA74204
	S08B	1	KPC2-type peptidase	0	<i>Caenorhabditis elegans</i>	EF11145
	S09B	1	Dipeptidyl peptidase	8.7E-52	<i>Toxocara canis</i>	KHN82489
	S10	3	Serine carboxypeptidase	8.71E-83	<i>Radopholus similis</i>	AIC75882
	S28	1	Peptidase s28 domain	3.65E-18	<i>Ascaris suum</i>	ERG84535
S33	5	Epoxide hydrolase	6.89E-100	<i>Toxocara canis</i>	KHN84330	