

**Table E - Plant-like enzymes identified in nematode proteomes**

<i>EC number</i>	<i>Enzyme Name</i>	<i>Enzyme Description</i>	<i>NemPep3 proteins with this annotation *</i>
1.14.11.23	flavonol synthase	synthesises quercetin, a nematotoxic isoflavonoid (Osman and Viglierchio 1988)	XIP02339_1
2.4.1.228	scopoletin glucosyltransferase	activates scopoletin to scopolin, which is involved in pathogen responses and lesion formation	XIP03415_1
3.1.1.78	polyneuridine-aldehyde esterase	synthesis of the skeleton of sarpagan (an alkaloid and thus likely defence metabolite)	MIP07018_1
3.2.1.15	polygalacturonase	pectinase; hydrolysis of 1,4-alpha-D-galactosiduronic linkages in pectate and other galacturonans	MJP01724_1, MHP05484_2
3.2.1.67	galacturan 1,4-alpha-galacturonidase	cell wall breakdown pectinase; exopolygalacturonase	MAP00565_1, MIP04638_1
3.2.1.2	beta-amylase	starch catabolism	<u>HGP00188_1</u>
3.2.1.4	cellulase (several forms)	catabolism of plant cell wall celluloses	GPP00099_1, GPP00676_1, P000664_1, GRP01255_1, HGP06814_1, <u>HGP03686_2</u> , <u>HGP07086_2</u> , <u>HGP07404_2</u> , <u>HGP06600_1</u> , HGP06861_2, <u>HSP00667_1</u> , HSP00991_1, HSP01296_1, <u>HSP00352_1</u> , MAP00224_1, <u>MAP00702_3</u> , MAP00702_2, <u>MCP01234_1</u> , MCP05954_1, <u>MCP00574_2</u> , <u>MCP00574_1</u> , MCP03969_1, <u>MCP00966_2</u> , <u>MHP03294_2</u> , <u>MHP04018_2</u> , <u>MHP03286_2</u> , MHP11140_1, MHP12261_1, MHP01099_1, <u>MHP04209_1</u> , MHP11913_1, MHP04129_1, MHP09658_1, MIP00115_1, MIP00028_2, MIP02244_1, MIP00867_1, <u>MJP04028_1</u> , MJP03779_1, <u>MJP04327_1</u> , <u>PVP00108_1</u>

\* Underlined protein identifiers have predicted signal peptides.