Supplementary table 2. Genes differentially expressed in *Listronotus oregonensis* females following infection by the parasitic nematode *Bradynema listronoti*.

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| --- | --- | --- | --- | --- | --- |
| **Name** | **log2FC\*** | **Description** | **e-value\*\*** | **organism** | **accession** |
| c7332 | 4.62 | serine 3-dehydrogenase | 5.6E-113 | *Dendroctonus ponderosae* | AEE61921 |
| c26677 | 4.28 | salivary c-type lectin | 2.0E-22 | *D.ponderosae* | ENN76475 |
| c38699 | 4.17 | trypsin zeta-like | 4.4E-21 | *Oreochromis niloticus* | XP\_003458838 |
| c38699 | 4.11 | female reproductive tract protease gleanr\_897 (trypsin-2 like) | 2.5E-28 | *Maylandia zebra* | XP\_004550979 |
| c28553 | 4.05 | polyprotein | 2.8E-157 | *Deformed wing virus* | AAP49008 |
| c26506 | 3.83 | uncharacterized protein LOC111052559 | 1.0E-92 | *Nilaparvata lugens* | XP\_022194971 |
| c34523 | 3.78 | inducible metalloproteinase inhibitor | 4.2E-4 | *Anoplophora glabripennis* | XP\_018571457 |
| c32307 | 3.69 | bel12\_ag transposon polyprotein | 4.1E-37 | *Tribolium castaneum* | EFA09479 |
| c22359 | 3.67 | transposable element tc3 transposase | 4.6E-13 | *Lasius niger* | KMQ82140 |
| c20222 | 3.54 | nuclear receptor subfamily 2 group f member 6 | 8.6E-174 | *T. castaneum* | XP\_973111 |
| c37509 | 3.49 | gag-pol protein | 6.1E-152 | *Acyrthosiphon pisum* | XP\_003241778 |
| c38699 | 3.13 | serine protease (trypsin-7) | 2.2E-33 | *Nasonia vitripennis* | XP\_001599779 |
| c38699 | 3.02 | serine protease (trypsin-7) | 9.7E-58 | *N. vitripennis* | XP\_001599779 |
| c37745 | 2.81 | cathepsin b | 3.6E-70 | *T. castaneum* | XP\_974298 |
| c36921 | 2.65 | endopolygalacturonase | 1.7E-145 | *Sitophilus oryzae* | ADU33258 |
| c33270 | 2.36 | tyrosine-protein kinase csk | 6.0E-32 | *T.castaneum* | EEZ98920 |
| c38699 | 2.31 | serine protease (trypsin-7) | 4.2E-48 | *N. vitripennis* | XP\_001599779 |
| c23372 | -1.73 | CD151 antigen | 1.1E-110 | *T. castaneum* | XP\_975304 |
| c26099 | -2.10 | plasma kallikrein | 1.3E-28 | *Drosophila ananassae* | XP\_001963921 |
| c23473 | -2.78 | juvenile hormone esterase E4-like | 2.7E-67 | *D.ponderosae* | ENN70329 |
| c34248 | -2.89 | cg5919 (isopentenyl-diphosphate Delta-isomerase 1) | 4.2E-89 | *D. ponderosae* | AFI45054 |
| c37569 | -2.96 | cytochrome b5-like | 2.8E-47 | *D. ponderosae* | AEE62517 |
| c28249 | -3.01 | uncharacterized mfs-type transporter c19orf28 homolog | 0.0 | *D. ponderosae* | ENN79329 |
| c21972 | -3.10 | ebony (Mycosubtilin synthase subunit C-like Protein) | 0.0 | *T. castaneum* | EFA09829 |
| c25306 | -3.22 | dopa decarboxylase | 0.0 | *D. ponderosae* | AEE61930 |
| c18049 | -3.33 | monocarboxylate transporter | 1.4E-89 | *D. ponderosae* | ENN72030 |
| c25816 | -3.56 | tyrosine hydroxylase | 1.1E-34 | *T. castaneum* | NP\_001092299 |
| c29007 | -3.80 | pr-5-like protein | 2.8E-47 | *Diaprepes abbreviatus* | AAW56441 |
| c8282 | -3.80 | elongation of very long chain fatty acids protein 4 | 5.9E-172 | *T. castaneum* | XP\_966527 |
| c3767 | -3.82 | cg15786 cg15786-pa | 3.0E-128 | *D. ponderosae* | ENN81884 |
| c31877 | -3.86 | phenylalanine hydroxylase | 0.0 | *D. ponderosae* | ENN75733 |
| c23473 | -3.87 | venom carboxylesterase-6-like | 1.7E-147 | *D. ponderosae* | AEE61790 |
| c35481 | -3.96 | gadd45 cg11086-pa | 2.7E-85 | *D. ponderosae* | ENN80111 |
| c17541 | -3.97 | similar to forked CG5424-PB | 0.0 | *T. castaneum* | XP\_001812682 |
| c37898 | -3.97 | cgmp-dependent protein kinase | 4.1E-34 | *D. ponderosae* | XP\_019758580 |
| c21403 | -4.01 | cuticular protein 92f cg5494-pa | 1.8E-42 | *D. ponderosae* | ENN80490 |
| c36658 | -4.01 | krab-a domain-containing protein 2-like | 5.1E-21 | *Parasteatoda tepidariorum* | XP\_021002756 |
| c39418 | -4.03 | cuticular protein cpr54 | 1.9E-71 | *D. ponderosae* | ENN76120 |
| c39418 | -4.10 | mariner transposase (histone-lysine N-methyltransferase SETMAR-like) | 7.5E-4 | *Atta cephalotes* | XP\_012057323 |
| c23724 | -4.11 | DNA-directed RNA polymerase I subunit rpa1 | 5.3E-78 | *T. castaneum* | EFA02509 |
| c25869 | -4.15 | phosphatase and actin regulator 4-B | 2.9E-67 | *D. ponderosae* | ENN71724 |
| c35481 | -4.24 | gadd45 cg11086-pa | 3.3E-67 | *D. ponderosae* | ENN80111 |
| c3767 | -4.31 | cg15786 cg15786-pa | 3.3E-154 | *D. ponderosae* | ENN81884 |
| c7255 | -4.45 | chitin synthase CHS1A | 0.0 | *T. castaneum* | AAQ55059 |
| c4567 | -4.47 | extracellular domains-containing protein cg31004-like | 1.2E-36 | *Hydra magnipapillata* | XP\_002158176 |
| c4882 | -4.47 | odorant-binding protein 3 | 8.3E-33 | *D. ponderosae* | ENN78798 |
| c31971 | -4.56 | sPLA2B phospholipase A2B | 1.7E-89 | *T. castaneum* | NP\_001139390 |
| c7795 | -4.57 | alpha amylase | 0.0 | *Anthonomus grandis* | AAN77139 |
| c17334 | -4.59 | cadherin 89d | 0.0 | *D. ponderosae* | ENN73850 |
| c23192 | -4.60 | tpa: cuticle protein | 1.3E-61 | *D. ponderosae* | AEE61585 |
| c10599 | -4.62 | piggyBac transposable element-derived protein 3 | 3.6E-29 | *T. castaneum* | XP\_015840021 |
| c3767 | -4.64 | cg15786 cg15786-pa | 4.0E-149 | *D. ponderosae* | ENN81884 |
| c2675 | -4.66 | pancreatic triacylglycerol lipase-like | 2.6E-64 | *D. ponderosae* | ENN80599 |
| c3115 | -4.70 | jerky protein homolog-like | 2.4E-145 | *Metaseiulus occidentalis* | XP\_003737382 |
| c7432 | -4.89 | endocuticle structural glycoprotein bd-8-like | 2.1E-33 | *Leptinotarsa decemlineata* | ABW74143 |
| c15470 | -4.99 | 10g08 | 5.3E-119 | *D. ponderosae* | AEE62150 |
| c7581 | -5.08 | agap000696-pa isoform 1 | 5.1E-34 | *D. ponderosae* | ENN71903 |

\*Fold Change (FC) expressed as a log2 value.

\*\* Expect value (e-value) of the best hit on NCBI database, the organism and accession number of each hit are listed in the following columns.