|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  |  |  |  |  |  |  |
| **Table S1:** Mass spectrometric identification of *T. suis* larvae ES proteins. | |  |  |  |  |  |
| Precipitated proteins were reduced, alkylated, tryptic digested and analyzed by LC-MSMS and Mascot searches against NCBI database. | | | | | | |
| Significant hits (+) were identified with > 2 peptides (p< 0.01), non-significant candidates (c) are also listed. | | | |  |  |  |
| Homologous proteins are grouped to the same #-number. | |  |  |  |  |  |
|  |  |  |  |  |  |  |
| **#** | **Protein name** | **NCBI-ID** | **L1** | **10dpi** | **18dpi** | **28dpi** |
| 1\_1 | astacin [Trichuris suis] | KHJ43437.1 | **+** |  |  |  |
| 1\_2 | hypothetical protein M513\_10127 [Trichuris suis] | KFD48975.1 | **+** |  |  |  |
| 2\_1 | hypothetical protein D918\_10164 [Trichuris suis] | KHJ39810.1 | **+** |  |  |  |
| 2\_2 | hypothetical protein M513\_00865 [Trichuris suis] | KFD58102.1 | **+** |  |  |  |
| 2\_3 | hypothetical protein M514\_00865 [Trichuris suis] | KFD61181.1 | **+** |  |  |  |
| 3\_1 | hypothetical protein M513\_06373 [Trichuris suis] | KFD52717.1 | **+** | **c** |  |  |
| 3\_2 | serine proteinase inhibitor [Trichuris suis] | KHJ48406.1 | **+** | **c** |  |  |
| 4\_1 | chitin binding Peritrophin-A domain protein [Trichuris suis] | KHJ46953.1 | **+** |  |  |  |
| 4\_2 | hypothetical protein M513\_10624 [Trichuris suis] | KFD48490.1 | **+** |  |  |  |
| 4\_3 | hypothetical protein M514\_10624, partial [Trichuris suis] | KFD69702.1 | **+** |  |  |  |
| 5\_1 | hypothetical protein D918\_01317 [Trichuris suis] | KHJ48050.1 | **+** | **c** |  |  |
| 5\_2 | hypothetical protein M513\_03477 [Trichuris suis] | KFD55729.1 | **+** | **c** |  |  |
| 6\_1 | hypothetical protein M513\_01545 [Trichuris suis] | KFD57442.1 | **+** | **+** |  |  |
| 6\_2 | hypothetical protein M514\_01545 [Trichuris suis] | KFD66550.1 | **+** | **+** |  |  |
| 7\_1 | chitinase class I [Trichuris suis] | KHJ45348.1 | **+** |  |  |  |
| 7\_2 | hypothetical protein M513\_11522 [Trichuris suis] | KFD47603.1 | **+** |  |  |  |
| 7\_3 | hypothetical protein M514\_11522 [Trichuris suis] | KFD67631.1 | **+** |  |  |  |
| 8\_1 | hypothetical protein D918\_02479 [Trichuris suis] | KHJ46940.1 | **+** |  |  |  |
| 8\_3 | hypothetical protein M513\_13299 [Trichuris suis] | KFD45818.1 | **+** |  |  |  |
| 9\_1 | copper/zinc superoxide dismutase [Trichuris suis] | KHJ41357.1 | **+** |  |  |  |
| 9\_2 | hypothetical protein M513\_05621 [Trichuris suis] | KFD53515.1 | **+** |  |  |  |
| 9\_3 | hypothetical protein M514\_05621 [Trichuris suis] | KFD71814.1 | **+** |  |  |  |
| 10\_1 | hypothetical protein M513\_11481 [Trichuris suis] | KFD47618.1 | **+** |  |  |  |
| 10\_2 | hypothetical protein M514\_11481 [Trichuris suis] | KFD72328.1 | **+** |  |  |  |
| 11 | hypothetical protein M513\_05526 [Trichuris suis] | KFD53610.1 | **+** | **+** |  |  |
| 12 | hypothetical protein M513\_01533 [Trichuris suis] | KFD57430.1 | **+** | **+** |  |  |
| 13 | hypothetical protein M513\_07350, partial [Trichuris suis] | KFD51823.1 | **+** | **+** |  |  |
| 14 | hypothetical protein M513\_00025 [Trichuris suis] | KFD58862.1 | **+** | **+** |  |  |
| 15 | hypothetical protein M513\_05372 [Trichuris suis] | KFD53667.1 | **+** | **c** |  |  |
| 16 | hypothetical protein M513\_05523, partial [Trichuris suis] | KFD53607.1 | **+** |  |  |  |
| 17 | hypothetical protein M513\_04236 [Trichuris suis] | KFD54802.1 | **+** |  |  |  |
| 18 | hypothetical protein M513\_13623 [Trichuris suis] | KFD45500.1 | **+** |  |  |  |
| 19 | hypothetical protein M513\_04624 [Trichuris suis] | KFD54477.1 | **+** |  |  |  |
| 20 | hypothetical protein M513\_09085 [Trichuris suis] | KFD49992.1 | **c** | **+** | **+** | **+** |
| 21 | hypothetical protein M513\_04701 [Trichuris suis] | KFD54358.1 | **c** | **+** | **+** | **+** |
| 22 | hypothetical protein M513\_06879 [Trichuris suis] | KFD52316.1 | **c** | **+** |  |  |
| 23\_1 | hypothetical protein M514\_10152 [Trichuris suis] | KFD62925.1 | **c** | **c** | **+** | **+** |
| 23\_2 | hypothetical protein M513\_10152 [Trichuris suis] | KFD49000.1 | **c** | **c** |  |  |
| 24\_1 | hypothetical protein M513\_01669 [Trichuris suis] | KFD57566.1 | **c** | **c** |  |  |
| 24\_2 | hypothetical protein M514\_01669 [Trichuris suis] | KFD64855.1 | **c** | **c** |  |  |
| 25\_1 | hypothetical protein M514\_24957 [Trichuris suis] | KFD62836.1 | **c** | **c** |  |  |
| 25\_2 | hypothetical protein M513\_03628 [Trichuris suis] | KFD55576.1 |  | **c** |  |  |
| 25\_3 | hypothetical protein M513\_03629 [Trichuris suis] | KFD55577.1 |  | **c** |  |  |
| 25\_4 | hypothetical protein M514\_03629, partial [Trichuris suis] | KFD59516.1 |  | **c** |  |  |
| 26 | hypothetical protein D918\_04545 [Trichuris suis] | KHJ45241.1 | **c** | **c** |  |  |
| 27 | hypothetical protein M513\_01541 [Trichuris suis] | KFD57438.1 | **c** | **c** |  |  |
| 28 | hypothetical protein M513\_00679 [Trichuris suis] | KFD58453.1 | **c** |  |  |  |
| 29\_1 | hypothetical protein M513\_11174 [Trichuris suis] | KFD47941.1 |  | **+** | **+** | **+** |
| 29\_2 | hypothetical protein M513\_11839 [Trichuris suis] | KFD47286.1 |  | **+** | **+** | **+** |
| 29\_3 | hypothetical protein M514\_23670 [Trichuris suis] | KFD64181.1 |  | **+** | **+** | **c** |
| 29\_4 | hypothetical protein M514\_27543 [Trichuris suis] | KFD60271.1 |  | **+** | **+** | **+** |
| 30\_1 | hypothetical protein M513\_03282 [Trichuris suis] | KFD55843.1 |  | **+** | **+** | **+** |
| 30\_2 | hypothetical protein M514\_03282 [Trichuris suis] | KFD70192.1 |  | **+** | **+** | **+** |
| 30\_3 | kinase domain protein [Trichuris suis] | KHJ49431.1 |  |  | **+** |  |
| 31\_1 | hypothetical protein M513\_07694 [Trichuris suis] | KFD51481.1 |  | **+** | **+** | **+** |
| 31\_2 | hypothetical protein M514\_07694 [Trichuris suis] | KFD61942.1 |  | **+** | **+** | **+** |
| 32\_1 | hypothetical protein M513\_03048 [Trichuris suis] | KFD55924.1 |  | **+** | **+** | **+** |
| 32\_2 | hypothetical protein M514\_03048, partial [Trichuris suis] | KFD68317.1 |  | **+** | **+** | **+** |
| 32\_3 | trypsin Inhibitor like cysteine rich domain protein [Trichuris suis] | KHJ43166.1 |  | **+** | **+** | **+** |
| 33\_1 | hypothetical protein M513\_05555 [Trichuris suis] | KFD53639.1 |  | **+** | **c** | **c** |
| 33\_2 | hypothetical protein D918\_02595 [Trichuris suis] | KHJ47049.1 |  | **c** | **c** | **c** |
| 34\_1 | hypothetical protein D918\_03253 [Trichuris suis] | KHJ46205.1 |  | **+** |  | **c** |
| 34\_2 | hypothetical protein M513\_07983 [Trichuris suis] | KFD51083.1 |  | **+** |  | **c** |
| 35\_1 | hypothetical protein M514\_03300, partial [Trichuris suis] | KFD70210.1 |  | **+** |  | **+** |
| 35\_2 | hypothetical protein D918\_06438 [Trichuris suis] | KHJ43528.1 |  | **c** |  | **+** |
| 36\_1 | hypothetical protein M513\_09923 [Trichuris suis] | KFD49201.1 |  | **+** |  | **c** |
| 36\_2 | SCP-like protein [Trichuris suis] | KHJ49366.1 |  | **+** |  | **c** |
| 36\_3 | hypothetical protein M513\_04750 [Trichuris suis] | KFD54407.1 |  |  |  | **c** |
| 37\_1 | dipeptidyl carboxydipeptidase family protein [Trichuris suis] | KHJ48157.1 |  | **+** |  | **c** |
| 37\_2 | hypothetical protein M513\_07445 [Trichuris suis] | KFD51748.1 |  | **+** |  | **c** |
| 37\_3 | hypothetical protein M514\_07445 [Trichuris suis] | KFD67136.1 |  | **+** |  | **c** |
| 38\_1 | hypothetical protein M513\_12276 [Trichuris suis] | KFD46830.1 |  | **+** |  | **c** |
| 38\_2 | hypothetical protein M514\_12276 [Trichuris suis] | KFD64998.1 |  | **+** |  | **c** |
| 39\_1 | hypothetical protein M513\_01631 [Trichuris suis] | KFD57528.1 |  | **+** | **c** | **c** |
| 39\_2 | hypothetical protein M514\_01631 [Trichuris suis] | KFD63563.1 |  | **+** | **c** | **c** |
| 40\_1 | glycerol-3-phosphate dehydrogenase [NAD(P)+ ] [Trichuris suis] | KHJ43845.1 |  | **+** | **+** | **c** |
| 40\_2 | hypothetical protein M513\_02985, partial [Trichuris suis] | KFD56207.1 |  | **+** | **+** | **+** |
| 41\_1 | hypothetical protein M514\_13515 [Trichuris suis] | KFD64188.1 |  | **+** |  | **c** |
| 41\_2 | hypothetical protein M513\_11170 [Trichuris suis] | KFD47937.1 |  |  |  | **c** |
| 42\_1 | hypothetical protein M514\_12219 [Trichuris suis] | KFD60943.1 |  | **+** | **+** | **+** |
| 42\_2 | hypothetical protein M513\_12222 [Trichuris suis] | KFD46900.1 |  | **c** | **+** |  |
| 43\_1 | hypothetical protein M514\_12825 [Trichuris suis] | KFD62209.1 |  | **+** | **+** |  |
| 43\_2 | hypothetical protein M513\_12827 [Trichuris suis] | KFD46292.1 |  | **c** | **+** |  |
| 43\_3 | hypothetical protein D918\_04921 [Trichuris suis] | KHJ44687.1 |  | **c** |  |  |
| 44\_1 | hypothetical protein M514\_28048 [Trichuris suis] | KFD59771.1 |  | **+** | **c** | **c** |
| 44\_2 | hypothetical protein M513\_13257, partial [Trichuris suis] | KFD45867.1 |  |  | **c** | **c** |
| 45\_1 | hypothetical protein M513\_01063 [Trichuris suis] | KFD58300.1 |  | **+** | **+** | **+** |
| 45\_2 | 5'-nucleotidase protein [Trichuris suis] | KHJ47404.1 |  |  | **+** |  |
| 45\_3 | hypothetical protein D918\_04345 [Trichuris suis] | KHJ45608.1 |  |  | **c** |  |
| 45\_4 | hypothetical protein M513\_04837 [Trichuris suis] | KFD54295.1 |  |  | **c** |  |
| 46\_1 | hypothetical protein D918\_06825 [Trichuris suis] | KHJ42968.1 |  | **+** |  |  |
| 46\_2 | hypothetical protein M513\_08123 [Trichuris suis] | KFD50941.1 |  | **+** |  |  |
| 47\_1 | hypothetical protein D918\_09642 [Trichuris suis] | KHJ40336.1 |  | **+** |  |  |
| 47\_2 | hypothetical protein M513\_10945 [Trichuris suis] | KFD48159.1 |  | **+** |  |  |
| 47\_3 | hypothetical protein M514\_10945 [Trichuris suis] | KFD61896.1 |  | **+** |  |  |
| 48\_1 | hypothetical protein M513\_04629 [Trichuris suis] | KFD54482.1 |  | **+** |  |  |
| 48\_2 | hypothetical protein M514\_04629 [Trichuris suis] | KFD73347.1 |  | **+** |  |  |
| 49\_1 | deoxyribonuclease II [Trichuris suis] | KHJ48080.1 |  | **+** | **c** | **c** |
| 49\_2 | hypothetical protein M513\_01156 [Trichuris suis] | KFD57923.1 |  | **+** |  |  |
| 49\_3 | hypothetical protein M514\_17021 [Trichuris suis] | KFD70899.1 |  | **+** |  |  |
| 50\_1 | hypothetical protein D918\_02817 [Trichuris suis] | KHJ47243.1 |  | **+** |  |  |
| 50\_2 | hypothetical protein M513\_13694 [Trichuris suis] | KFD45428.1 |  | **+** |  |  |
| 50\_3 | hypothetical protein M514\_13694 [Trichuris suis] | KFD60175.1 |  | **+** |  |  |
| 50\_4 | hypothetical protein M514\_25363 [Trichuris suis] | KFD62430.1 |  | **+** |  |  |
| 51\_1 | hypothetical protein M513\_05301 [Trichuris suis] | KFD53795.1 |  | **+** |  |  |
| 51\_2 | hypothetical protein M514\_05301 [Trichuris suis] | KFD71589.1 |  | **+** |  |  |
| 52\_1 | eukaryotic aspartyl protease [Trichuris suis] | KHJ46445.1 |  | **+** |  |  |
| 52\_2 | hypothetical protein M513\_01139 [Trichuris suis] | KFD57906.1 |  | **+** |  |  |
| 52\_3 | hypothetical protein M514\_01139, partial [Trichuris suis] | KFD70919.1 |  | **+** |  |  |
| 53 | hypothetical protein M514\_18642 [Trichuris suis] | KFD69065.1 |  | **+** | **+** | **+** |
| 54 | hypothetical protein M513\_04702 [Trichuris suis] | KFD54359.1 |  | **+** | **c** | **+** |
| 55 | hypothetical protein M513\_02643 [Trichuris suis] | KFD56539.1 |  | **+** | **c** | **+** |
| 56 | hypothetical protein M513\_05339 [Trichuris suis] | KFD53833.1 |  | **+** | **+** | **+** |
| 57 | hypothetical protein M513\_12223, partial [Trichuris suis] | KFD46901.1 |  | **+** | **+** | **+** |
| 58 | hypothetical protein D918\_01923 [Trichuris suis] | KHJ47765.1 |  | **+** |  | **+** |
| 59 | hypothetical protein M513\_05264, partial [Trichuris suis] | KFD53758.1 |  | **+** | **c** | **c** |
| 60 | hypothetical protein M514\_27940 [Trichuris suis] | KFD59881.1 |  | **+** |  | **c** |
| 61 | hypothetical protein M513\_01283 [Trichuris suis] | KFD58050.1 |  | **+** |  | **c** |
| 62 | hypothetical protein M513\_08967, partial [Trichuris suis] | KFD50128.1 |  | **+** |  | **c** |
| 63 | hypothetical protein M513\_01523 [Trichuris suis] | KFD57420.1 |  | **+** |  |  |
| 64 | hypothetical protein M514\_10707 [Trichuris suis] | KFD62439.1 |  | **+** |  |  |
| 65 | hypothetical protein M513\_06133 [Trichuris suis] | KFD53017.1 |  | **+** |  |  |
| 66 | hypothetical protein M513\_03688 [Trichuris suis] | KFD55348.1 |  | **+** |  |  |
| 67 | hypothetical protein M513\_01548 [Trichuris suis] | KFD57445.1 |  | **+** |  |  |
| 68 | hypothetical protein M513\_10380 [Trichuris suis] | KFD48750.1 |  | **+** |  |  |
| 69 | hypothetical protein M514\_15631 [Trichuris suis] | KFD72358.1 |  | **+** |  |  |
| 70 | hypothetical protein M513\_05720 [Trichuris suis] | KFD53456.1 |  | **+** |  |  |
| 71 | hypothetical protein M513\_13062 [Trichuris suis] | KFD46058.1 |  | **+** |  |  |
| 72 | hypothetical protein M513\_09650 [Trichuris suis] | KFD49465.1 |  | **+** |  |  |
| 73 | hypothetical protein M514\_11842 [Trichuris suis] | KFD60275.1 |  | **+** |  |  |
| 74 | hypothetical protein M513\_09708 [Trichuris suis] | KFD49441.1 |  | **+** |  |  |
| 75 | hypothetical protein M513\_13311 [Trichuris suis] | KFD45809.1 |  | **+** |  |  |
| 76\_1 | hypothetical protein M514\_06559 [Trichuris suis] | KFD65215.1 |  | **c** | **+** | **+** |
| 76\_2 | hypothetical protein M513\_06559 [Trichuris suis] | KFD52525.1 |  | **c** |  | **+** |
| 76\_3 | hypothetical protein D918\_09267 [Trichuris suis] | KHJ40675.1 |  | **c** |  |  |
| 77\_1 | hypothetical protein D918\_02980 [Trichuris suis] | KHJ46659.1 |  | **c** | **c** | **+** |
| 77\_2 | hypothetical protein M513\_09161 [Trichuris suis] | KFD49947.1 |  | **c** | **c** | **+** |
| 78\_1 | hypothetical protein M513\_07011 [Trichuris suis] | KFD52166.1 |  | **c** | **+** | **+** |
| 78\_2 | hypothetical protein M514\_07011 [Trichuris suis] | KFD65195.1 |  | **c** | **+** | **+** |
| 79\_1 | hypothetical protein M513\_11843 [Trichuris suis] | KFD47290.1 |  | **c** |  | **c** |
| 79\_2 | hypothetical protein M514\_11843 [Trichuris suis] | KFD60276.1 |  | **c** |  | **c** |
| 80\_1 | hypothetical protein M513\_08977 [Trichuris suis] | KFD50138.1 |  | **c** | **c** | **c** |
| 80\_2 | hypothetical protein M514\_08977 [Trichuris suis] | KFD70020.1 |  | **c** | **c** | **c** |
| 81\_1 | hypothetical protein D918\_01088 [Trichuris suis] | KHJ48783.1 |  | **c** |  | **c** |
| 81\_2 | hypothetical protein M513\_04058 [Trichuris suis] | KFD55140.1 |  | **c** |  | **c** |
| 82\_1 | hypothetical protein M513\_03843 [Trichuris suis] | KFD55202.1 |  | **c** | **+** | **c** |
| 82\_2 | hypothetical protein M514\_22380 [Trichuris suis] | KFD65454.1 |  | **c** | **+** | **c** |
| 83\_1 | hypothetical protein M513\_08058 [Trichuris suis] | KFD51017.1 |  | **c** | **c** | **c** |
| 83\_2 | hypothetical protein M514\_08058 [Trichuris suis] | KFD73230.1 |  | **c** | **c** | **c** |
| 84\_1 | hypothetical protein D918\_06364 [Trichuris suis] | KHJ43455.1 |  | **c** |  | **c** |
| 84\_2 | hypothetical protein M513\_13969 [Trichuris suis] | KFD45154.1 |  | **c** |  | **c** |
| 84\_3 | hypothetical protein M514\_13969 [Trichuris suis] | KFD60414.1 |  | **c** |  | **c** |
| 85 | nematode cuticle collagen domain protein [Trichuris suis] | KHJ49255.1 |  | **c** | **c** | **c** |
| 86\_1 | hypothetical protein M513\_13381 [Trichuris suis] | KFD45741.1 |  | **c** |  | **c** |
| 86\_2 | hypothetical protein M514\_13381 [Trichuris suis] | KFD69755.1 |  | **c** |  | **c** |
| 87\_1 | hypothetical protein M513\_13112 [Trichuris suis] | KFD46010.1 |  | **c** | **+** | **+** |
| 87\_2 | hypothetical protein M514\_13112 [Trichuris suis] | KFD61255.1 |  | **c** | **+** | **+** |
| 88\_1 | hypothetical protein M514\_01527 [Trichuris suis] | KFD66530.1 |  | **c** | **c** | **+** |
| 88\_2 | hypothetical protein M513\_01527 [Trichuris suis] | KFD57424.1 |  | **c** | **c** | **+** |
| 88\_3 | hypothetical protein D918\_00204, partial [Trichuris suis] | KHJ49086.1 |  | **c** |  |  |
| 89\_1 | hypothetical protein D918\_08127 [Trichuris suis] | KHJ41756.1 |  | **c** | **c** |  |
| 89\_2 | hypothetical protein M513\_10856 [Trichuris suis] | KFD48279.1 |  | **c** | **c** |  |
| 90\_1 | hypothetical protein D918\_03106 [Trichuris suis] | KHJ46759.1 |  | **c** |  |  |
| 90\_2 | hypothetical protein M513\_07603 [Trichuris suis] | KFD51553.1 |  | **c** |  |  |
| 90\_3 | hypothetical protein M514\_07603 [Trichuris suis] | KFD65633.1 |  | **c** |  |  |
| 91\_1 | hypothetical protein D918\_04548 [Trichuris suis] | KHJ45244.1 |  | **c** |  |  |
| 91\_2 | hypothetical protein M513\_03842 [Trichuris suis] | KFD55201.1 |  | **c** |  |  |
| 91\_3 | hypothetical protein M514\_03842 [Trichuris suis] | KFD65453.1 |  | **c** |  |  |
| 92\_1 | hypothetical protein M513\_03423 [Trichuris suis] | KFD55675.1 |  | **c** |  |  |
| 92\_2 | WAP-type 'four-disulfide core [Trichuris suis] | KHJ48262.1 |  | **c** |  |  |
| 93\_1 | cathepsin propeptide inhibitor domain protein [Trichuris suis] | KHJ41450.1 |  | **c** |  |  |
| 93\_2 | hypothetical protein M513\_07451 [Trichuris suis] | KFD51754.1 |  | **c** |  |  |
| 94\_1 | hypothetical protein M513\_11177 [Trichuris suis] | KFD47944.1 |  | **c** |  |  |
| 94\_2 | hypothetical protein M514\_11177, partial [Trichuris suis] | KFD64176.1 |  | **c** |  |  |
| 95\_1 | hypothetical protein D918\_04979 [Trichuris suis] | KHJ44744.1 |  | **c** |  |  |
| 95\_2 | hypothetical protein M513\_06970 [Trichuris suis] | KFD52125.1 |  | **c** |  |  |
| 95\_3 | hypothetical protein M514\_06970 [Trichuris suis] | KFD61632.1 |  | **c** |  |  |
| 96\_1 | hypothetical protein D918\_02126 [Trichuris suis] | KHJ47266.1 |  | **c** |  |  |
| 96\_2 | hypothetical protein M513\_02266, partial [Trichuris suis] | KFD57009.1 |  | **c** |  |  |
| 96\_3 | hypothetical protein M514\_02266, partial [Trichuris suis] | KFD70106.1 |  | **c** |  |  |
| 97\_1 | hypothetical protein D918\_04420 [Trichuris suis] | KHJ45116.1 |  | **c** |  |  |
| 97\_2 | hypothetical protein M513\_09697 [Trichuris suis] | KFD49430.1 |  | **c** |  |  |
| 97\_3 | hypothetical protein M514\_24178 [Trichuris suis] | KFD63646.1 |  | **c** |  |  |
| 98 | hypothetical protein M513\_05014 [Trichuris suis] | KFD53995.1 |  | **c** | **+** | **+** |
| 99 | hypothetical protein M513\_07304 [Trichuris suis] | KFD51777.1 |  | **c** |  | **+** |
| 100 | hypothetical protein M513\_01916 [Trichuris suis] | KFD57031.1 |  | **c** | **c** | **c** |
| 101 | hypothetical protein M513\_10504 [Trichuris suis] | KFD48649.1 |  | **c** |  | **+** |
| 102 | hypothetical protein M513\_13254 [Trichuris suis] | KFD45864.1 |  | **c** |  | **+** |
| 103 | hypothetical protein M513\_02878 [Trichuris suis] | KFD56100.1 |  | **c** | **c** | **c** |
| 104 | hypothetical protein M513\_07012 [Trichuris suis] | KFD52167.1 |  | **c** | **c** |  |
| 105 | Carboxylesterase [Trichuris suis] | KHJ48427.1 |  | **c** |  |  |
| 106 | hypothetical protein M513\_13834 [Trichuris suis] | KFD45288.1 |  | **c** |  |  |
| 107 | hypothetical protein M513\_00705 [Trichuris suis] | KFD58479.1 |  | **c** |  |  |
| 108 | hypothetical protein M513\_00638 [Trichuris suis] | KFD58412.1 |  | **c** |  |  |
| 109 | hypothetical protein M513\_01343, partial [Trichuris suis] | KFD57673.1 |  | **c** |  |  |
| 110 | hypothetical protein M513\_02830 [Trichuris suis] | KFD56375.1 |  | **c** |  |  |
| 111 | hypothetical protein M513\_04328 [Trichuris suis] | KFD54894.1 |  | **c** |  |  |
| 112\_1 | hypothetical protein M513\_07066 [Trichuris suis] | KFD52084.1 |  |  | **+** | **+** |
| 112\_2 | hypothetical protein M514\_07066 [Trichuris suis] | KFD65846.1 |  |  | **+** | **+** |
| 113\_1 | hypothetical protein M513\_03361 [Trichuris suis] | KFD55613.1 |  |  | **+** | **+** |
| 113\_2 | hypothetical protein M514\_03361 [Trichuris suis] | KFD68024.1 |  |  | **+** | **+** |
| 114\_1 | hypothetical protein M513\_08330 [Trichuris suis] | KFD50789.1 |  |  | **c** | **+** |
| 114\_2 | hypothetical protein M514\_08330 [Trichuris suis] | KFD63404.1 |  |  | **c** | **+** |
| 115\_1 | hypothetical protein M513\_13670 [Trichuris suis] | KFD45454.1 |  |  | **c** | **+** |
| 115\_2 | hypothetical protein M514\_13670 [Trichuris suis] | KFD67510.1 |  |  | **c** | **+** |
| 116\_1 | hypothetical protein M513\_01531 [Trichuris suis] | KFD57428.1 |  |  | **+** | **+** |
| 116\_2 | hypothetical protein M514\_01531 [Trichuris suis] | KFD66534.1 |  |  | **+** | **+** |
| 117\_1 | hypothetical protein D918\_07287 [Trichuris suis] | KHJ42568.1 |  |  | **c** | **+** |
| 117\_2 | hypothetical protein M513\_03657 [Trichuris suis] | KFD55317.1 |  |  | **c** | **+** |
| 117\_3 | hypothetical protein M514\_03657 [Trichuris suis] | KFD59705.1 |  |  | **c** | **+** |
| 118\_1 | hypothetical protein M513\_10502 [Trichuris suis] | KFD48647.1 |  |  | **+** | **+** |
| 118\_2 | hypothetical protein M514\_10502 [Trichuris suis] | KFD62239.1 |  |  | **+** | **+** |
| 119\_1 | hypothetical protein D918\_06254 [Trichuris suis] | KHJ43749.1 |  |  |  | **+** |
| 119\_2 | hypothetical protein M513\_06011 [Trichuris suis] | KFD53097.1 |  |  |  | **+** |
| 119\_3 | hypothetical protein M514\_06012 [Trichuris suis] | KFD70755.1 |  |  |  | **c** |
| 120\_1 | hypothetical protein M513\_07662 [Trichuris suis] | KFD51449.1 |  |  | **c** | **+** |
| 120\_2 | hypothetical protein M514\_07662 [Trichuris suis] | KFD65775.1 |  |  | **c** | **+** |
| 121\_1 | hypothetical protein D918\_00205 [Trichuris suis] | KHJ49087.1 |  |  | **c** | **c** |
| 121\_2 | hypothetical protein M513\_01529 [Trichuris suis] | KFD57426.1 |  |  | **c** | **+** |
| 121\_3 | hypothetical protein M514\_01529 [Trichuris suis] | KFD66532.1 |  |  | **c** | **+** |
| 122\_1 | hypothetical protein M513\_01155 [Trichuris suis] | KFD57922.1 |  |  | **c** | **c** |
| 122\_2 | hypothetical protein M514\_17022 [Trichuris suis] | KFD70900.1 |  |  | **c** | **c** |
| 123\_1 | hypothetical protein M513\_05968 [Trichuris suis] | KFD53054.1 |  |  |  | **c** |
| 123\_2 | hypothetical protein M513\_05970 [Trichuris suis] | KFD53056.1 |  |  |  | **c** |
| 123\_3 | hypothetical protein M514\_27538 [Trichuris suis] | KFD60285.1 |  |  |  | **c** |
| 124\_1 | hypothetical protein M513\_09721 [Trichuris suis] | KFD49358.1 |  |  |  | **c** |
| 124\_2 | hypothetical protein M514\_13659 [Trichuris suis] | KFD64576.1 |  |  |  | **c** |
| 125\_1 | hypothetical protein D918\_04914 [Trichuris suis] | KHJ44680.1 |  |  |  | **c** |
| 125\_2 | hypothetical protein M513\_12191 [Trichuris suis] | KFD46945.1 |  |  |  | **c** |
| 125\_3 | hypothetical protein M514\_12191 [Trichuris suis] | KFD62216.1 |  |  |  | **c** |
| 126\_1 | hypothetical protein D918\_05935 [Trichuris suis] | KHJ43882.1 |  |  |  | **c** |
| 126\_2 | hypothetical protein M513\_02959 [Trichuris suis] | KFD56181.1 |  |  |  | **c** |
| 127\_1 | hypothetical protein D918\_02591 [Trichuris suis] | KHJ47045.1 |  |  | **+** | **c** |
| 127\_2 | hypothetical protein M514\_05551, partial [Trichuris suis] | KFD62628.1 |  |  | **+** | **c** |
| 128\_1 | collagen triple helix repeat protein [Trichuris suis] | KHJ49597.1 |  |  | **c** | **c** |
| 128\_2 | hypothetical protein M513\_08053 [Trichuris suis] | KFD51012.1 |  |  | **c** | **c** |
| 129\_1 | hypothetical protein M513\_06427 [Trichuris suis] | KFD52771.1 |  |  |  | **c** |
| 129\_2 | hypothetical protein M514\_27457, partial [Trichuris suis] | KFD60372.1 |  |  |  | **c** |
| 130\_1 | hypothetical protein D918\_08193 [Trichuris suis] | KHJ41663.1 |  |  | **c** | **c** |
| 130\_2 | hypothetical protein M513\_06801 [Trichuris suis] | KFD52238.1 |  |  | **c** | **c** |
| 130\_3 | hypothetical protein M514\_06801 [Trichuris suis] | KFD66698.1 |  |  | **c** | **c** |
| 131\_1 | hypothetical protein D918\_00794 [Trichuris suis] | KHJ48492.1 |  |  |  | **c** |
| 131\_2 | hypothetical protein M513\_09606 [Trichuris suis] | KFD49495.1 |  |  |  | **c** |
| 131\_3 | hypothetical protein M514\_09606 [Trichuris suis] | KFD65669.1 |  |  |  | **c** |
| 132\_1 | hypothetical protein M513\_02956 [Trichuris suis] | KFD56178.1 |  |  | **+** | **+** |
| 132\_2 | Kunitz/Bovine pancreatic trypsin inhibitor domain protein [Trichuris suis] | KHJ47348.1 |  |  | **+** | **+** |
| 133\_1 | hypothetical protein D918\_03205 [Trichuris suis] | KHJ46832.1 |  |  | **+** | **+** |
| 133\_2 | hypothetical protein M513\_13363 [Trichuris suis] | KFD45757.1 |  |  | **c** | **+** |
| 133\_3 | hypothetical protein M514\_20584 [Trichuris suis] | KFD67148.1 |  |  | **c** | **+** |
| 134\_1 | hypothetical protein M513\_07111 [Trichuris suis] | KFD51979.1 |  |  |  | **+** |
| 134\_2 | hypothetical protein M513\_14229, partial [Trichuris suis] | KFD44894.1 |  |  |  | **+** |
| 134\_3 | hypothetical protein M514\_07111 [Trichuris suis] | KFD71407.1 |  |  |  | **+** |
| 135\_1 | hypothetical protein M513\_11184 [Trichuris suis] | KFD47951.1 |  |  |  | **c** |
| 135\_2 | hypothetical protein M514\_28192 [Trichuris suis] | KFD59628.1 |  |  |  | **c** |
| 136\_1 | hypothetical protein D918\_03945 [Trichuris suis] | KHJ45733.1 |  |  |  | **c** |
| 136\_2 | hypothetical protein M513\_01096 [Trichuris suis] | KFD57863.1 |  |  |  | **c** |
| 137\_1 | hypothetical protein M513\_13760 [Trichuris suis] | KFD45364.1 |  |  |  | **c** |
| 137\_2 | hypothetical protein M514\_27479 [Trichuris suis] | KFD60349.1 |  |  |  | **c** |
| 137\_3 | molybdenum cofactor biosynthesis protein A [Trichuris suis] | KHJ46840.1 |  |  |  | **c** |
| 138\_1 | hypothetical protein M514\_12087 [Trichuris suis] | KFD67515.1 |  |  | **+** | **+** |
| 138\_2 | hypothetical protein M514\_24411 [Trichuris suis] | KFD63390.1 |  |  | **+** | **+** |
| 138\_3 | hypothetical protein M513\_12087 [Trichuris suis] | KFD47044.1 |  |  | **+** |  |
| 139\_1 | hypothetical protein M513\_13529 [Trichuris suis] | KFD45594.1 |  |  | **c** | **+** |
| 139\_2 | hypothetical protein D918\_01462 [Trichuris suis] | KHJ48194.1 |  |  | **c** |  |
| 140\_1 | hypothetical protein M513\_10412 [Trichuris suis] | KFD48701.1 |  |  | **c** |  |
| 140\_2 | hypothetical protein M514\_10412, partial [Trichuris suis] | KFD69291.1 |  |  | **c** |  |
| 141\_1 | hypothetical protein D918\_00022 [Trichuris suis] | KHJ48917.1 |  |  | **c** |  |
| 141\_2 | hypothetical protein M513\_07110, partial [Trichuris suis] | KFD51978.1 |  |  | **c** |  |
| 141\_3 | hypothetical protein M514\_07110, partial [Trichuris suis] | KFD71408.1 |  |  | **c** |  |
| 142\_1 | hypothetical protein M514\_18178 [Trichuris suis] | KFD69562.1 |  |  | **+** | **+** |
| 142\_2 | hypothetical protein M513\_01929 [Trichuris suis] | KFD57044.1 |  |  | **c** |  |
| 143 | hypothetical protein M513\_11423 [Trichuris suis] | KFD47690.1 |  |  | **+** | **+** |
| 144 | hypothetical protein M513\_13284 [Trichuris suis] | KFD45838.1 |  |  | **+** | **+** |
| 145 | hypothetical protein M514\_00541 [Trichuris suis] | KFD67474.1 |  |  |  | **+** |
| 146 | hypothetical protein M514\_26563 [Trichuris suis] | KFD61265.1 |  |  |  | **+** |
| 147 | hypothetical protein M513\_00573 [Trichuris suis] | KFD58347.1 |  |  | **c** | **+** |
| 148 | hypothetical protein M513\_12471 [Trichuris suis] | KFD46662.1 |  |  | **c** | **+** |
| 149 | hypothetical protein D918\_02746 [Trichuris suis] | KHJ47180.1 |  |  | **+** | **+** |
| 150 | hypothetical protein D918\_01432 [Trichuris suis] | KHJ48165.1 |  |  | **+** | **+** |
| 151 | hypothetical protein M513\_13496 [Trichuris suis] | KFD45624.1 |  |  | **+** | **+** |
| 152 | hypothetical protein M513\_11596 [Trichuris suis] | KFD47502.1 |  |  | **+** | **+** |
| 153 | hypothetical protein M514\_27849, partial [Trichuris suis] | KFD59977.1 |  |  | **+** | **+** |
| 154 | hypothetical protein M513\_12184 [Trichuris suis] | KFD46938.1 |  |  |  | **+** |
| 155 | hypothetical protein M513\_03550 [Trichuris suis] | KFD55498.1 |  |  | **+** | **+** |
| 156 | hypothetical protein M513\_14359, partial [Trichuris suis] | KFD44764.1 |  |  |  | **+** |
| 157 | hypothetical protein M514\_27845 [Trichuris suis] | KFD59973.1 |  |  | **c** | **+** |
| 158 | hypothetical protein M513\_05101 [Trichuris suis] | KFD54082.1 |  |  |  | **+** |
| 159 | hypothetical protein M513\_06715 [Trichuris suis] | KFD52334.1 |  |  | **+** | **+** |
| 160 | hypothetical protein M513\_06707 [Trichuris suis] | KFD52326.1 |  |  | **c** | **+** |
| 161 | hypothetical protein M514\_17400 [Trichuris suis] | KFD70316.1 |  |  |  | **c** |
| 162 | hypothetical protein M513\_07352 [Trichuris suis] | KFD51825.1 |  |  |  | **c** |
| 163 | hypothetical protein M514\_11217 [Trichuris suis] | KFD67997.1 |  |  |  | **c** |
| 164 | hypothetical protein M513\_05021 [Trichuris suis] | KFD54002.1 |  |  |  | **c** |
| 165 | hypothetical protein M513\_01675 [Trichuris suis] | KFD57572.1 |  |  | **c** | **c** |
| 166 | hypothetical protein M513\_10507 [Trichuris suis] | KFD48652.1 |  |  |  | **c** |
| 167 | hypothetical protein M514\_27025 [Trichuris suis] | KFD60805.1 |  |  |  | **c** |
| 168 | hypothetical protein M514\_24426, partial [Trichuris suis] | KFD63405.1 |  |  |  | **+** |
| 169 | hypothetical protein M513\_13457 [Trichuris suis] | KFD45663.1 |  |  |  | **c** |
| 170 | hypothetical protein M513\_07989 [Trichuris suis] | KFD51089.1 |  |  |  | **c** |
| 171 | hypothetical protein M513\_00299, partial [Trichuris suis] | KFD58606.1 |  |  |  | **c** |
| 172 | hypothetical protein M513\_03825 [Trichuris suis] | KFD55184.1 |  |  |  | **c** |
| 173 | hypothetical protein M513\_01736 [Trichuris suis] | KFD57225.1 |  |  |  | **c** |
| 174 | hypothetical protein M513\_10508 [Trichuris suis] | KFD48653.1 |  |  | **c** | **c** |
| 175 | hypothetical protein M513\_05511 [Trichuris suis] | KFD53595.1 |  |  | **c** |  |
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