Table S1. List of PCR primer sequences, product sizes and fragment sizes after restriction digestion.

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| No. | Transcript ID | Gene name | Nucleic acid change | Amino acid change  | Forward/Reverse primer  | Length (bp) | Restriction enzyme | Digestion size (bp) |
| 1 | ASIC001633 | *Ace-1* | 781G>A | Gly261Ser | GTGCGACCATGTGGAACC/ACCACGATCACGTTCTCCTC | 193 | *AluI* | 75/118 |
| 2 | ASIC009067 | ATPase  | 20C>T | Pro7Leu | GCAAAGTCCAATCCCAGGTA/GGGCTCATAAACCGAGTGAG | 195 | *MnlI* | 82/113 |
| 3 | ASIC008288 | Brain chitinase | 1945G>C | Ala649Pro | CAAGCTTGGTCCGTACACCT/ACTGACAGATTCGGCTGTGA | 258 | *NlaIV* | 114/144 |
| 4 | ASIC006349 | Chitinase | 358C>T | Pro120Ser | GGCATAAACGAATCGTCCAG/CGAGGGTGTCGTGTAGTAGC | 301 | *HPY188I* | 136/165 |
| 5 | ASIC005406 | COE12O | 1802G>A | Arg601His | TGATCCAACTCCAGGGAATC/GCGTACGCAAGGTATCCTCT | 272 | *BmgBI* | 92/180 |
| 6 | ASIC016830 | COEJHE2E | 1381T>A | Phe461Ile | CGGAGATCGGAAGAGGAAGT/TCGTCGATGTAAGTGGATGC | 287 | *BtgZI* | 129/158 |
| 7 | ASIC020209 | CYP325G | 803C>A | Thr268Lys | TTGTGGTAAGTGCGTCTTCG/GTGCGAGTCGAAACAGTTGA | 499 | *DrdI* | 87/412 |
| 8 | ASIC012923 | CYP4J5 | 854G>A | Arg285Gln | AAGGTCGGTGAGATGATGCT/CAGCATGGCGTAACGTTTTT | 256 | *BsiEI* | 67/189 |
| 9 | ASIC012921 | CYP4J9 | 658A>C | Thr220Pro | ATCTTCACGCTGCTCCTGAT/CGAAGCGATTCTTTGAGGAC | 164 | *HaeIII* | 79/85 |
| 10 | ASIC006698 | GSTe2 | 355G>C | Val119Leu | CGGACTTCTTGAAGGTTGGA/CCGTTCGCTTCCTCGTAGTA | 605 | *XmnI* | 247/358 |
| 11 | ASIC004125 | GSTZ1 | 19T>C | Phe7Leu | AATTCGCCCAAAACATTCAG/AGCAAATGGAAACGTTGGAC | 282 | *BsmBI* | 79/203 |
| 12 | ASIC011835 | *kdr* | 3214G>A | Ala1072Thr | TTCCCGCTTCTCTAACTGGA/CATGGCCAACTGAACAGACA | 199 | *FauI* | 98/101 |