|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Product | Gene (locus) | Primer sequences | Reference | Size (pb) | Conc. (nM) | T hyb (°C) | Linearity (r²) | Efficiency (%) |
|  |  |  |  |  |  |  |  |  |
| actin related protein 1 | 406122 | β-actin-F : ATGCCAACACTGTCCTTTCTGGβ-actin-R : GACCCACCAATCCATACGGA | Yang and Cox-Foster, 2005 | 151 | 300 | 56 | 0.998 | 0.90 |
| carboxylesterase | 726134 | CaE2-F2 : CGACGAGGTAGCAGAGAATCCCaE2-R2 : ATTATGACCGGGACATCGGC | this work | 81 | 300 | 58 | 0.998 | 0.93 |
| carboxylesterase clade I, member 1 | 413247 | CaE1-F : TGTGTCATTGGTCCAGAGCCCaE1-R : ACACCTTGATCCTTGCTCGG | this work | 117 | 300 | 58 | 0.999 | 0.91 |
| catalase (1) | 411758 | CAT1-F2 : CATTTCCAGATGGCGTTGGCCAT1-R2 : TGCACTTCCAGCATCACCAA | this work | 80 | 300 | 58 | 0.999 | 0.98 |
| catalase (2) | 443552 | CAT2-F : AAGCCAGTTTGACGGTAGGGCAT2-R : AGCATGGACTACACGTTCCG | this work | 113 | 300 | 58 | 0.999 | 0.92 |
| chitinase 5 | 551600 | Endochiti-F : TATCGAAAGGACGTCGGCAGEndochiti-R : TCACGCCGATGAACGAGTAG | this work | 85 | 300 | 58 | 0.998 | 0.99 |
| defensin 1 | 406143 | Defensin-F1 : TGCGCTGCTAACTGTCTCAGDefensin-R1 : CGTTTCGGTTAAGTGCCATT | Evans, 2006 | 119 | 400 | 54 | 0.999 | 0.97 |
| endoplasmin-like | 412150 | HSP90-F : TTCTCCATGTGCTTTGGTTGHSP90-R : TTTTTCTGGGGATCATCAGTC | this work | 102 | 300 | 55 | 0.999 | 1.05 |
| glucose dehydrogenase 2 | 551044 | GLD3-F : GAACGAGAAAAACGCCTGTCGLD3-R : CCCAATCGTCGTAATCCTTG | this work | 131 | 300 | 57 | 0.997 | 1.01 |
| glucosinolate sulphatase | 551758 | GLSS-F2 : ATTGGAGAAAGGAGCCCGTGGLSS-R2 : CTTCAGATCTCCACCAGCCG | this work | 91 | 300 | 58 | 0.999 | 1.01 |
| glutathione peroxidase-like 1 | 494523 | Gtpx1-F2 : AGATTCTGCGCATCCTTTATGGGtpx1-R2 : CGTTCCACCACTTTGCCTTC | this work | 120 | 300 | 58 | 0.999 | 0.91 |
| glutathione peroxidase-like 2 | 726269 | Gtpx2-F : GGAAGTGGTTGAAGACACAAGCGtpx2-R : ACAGTTGGTGCAAATCGAGA | this work | 115 | 300 | 58 | 0.999 | 0.92 |
| glutathione S-transferase S1 | 552304 | GSTS1-F : ATTCCTGGTCTTGCCGAACCGSTS1-R : TGGGCCATTCTTCGATATCAATTC | this work | 91 | 300 | 56 | 0.999 | 0.94 |
| GMC oxidoreductase 3 | 410747 | GlucDSH-F2 : GATGGTCGCGGAAAAAGCAGGlucDSH-R2 : AACAGCGCCCTCTACATTCC | this work | 96 | 300 | 58 | 0.999 | 0.94 |
| hydrocephalus-inducing protein-like | 100578512 | HydIP-F : ATTTGTCGAACGTGGAGACGHydIP-R : GGCGCCAAGCACAAATTCAC | this work | 91 | 300 | 58 | 0.998 | 1.05 |
| hymenoptaecin | 406142 | Hymenoptaecin-F : CTCTTCTGTGCCGTTGCATAHymenoptaecin-R : GCGTCTCCTGTCATTCCATT | Evans, 2006 | 200 | 400 | 54 | 0.996 | 1.05 |
| Lim3 homeobox | 410658 | Lim3-F : AGAGTCTCAAAACGTCCGGCLim3-R : GATCCAGAGGGTGCATCTCG | this work | 101 | 300 | 58 | 0.998 | 0.95 |
| lysozyme 1 | 725110 | LYS-F : ACACGGTTGGTCACTGGTCCLYS-R : GTCCCACGCTTTGAATCCCT | Yang and Cox-Foster, 2005 | 201 | 300 | 60 | 0.998 | 0.94 |
| POU domain, class 2, transcription factor 3-like | 727092 | POU-F2 : TCGTGCAAAATCCAAAGCCCPOU-R2 : ACCACACTCGAACGACTTCC | this work | 87 | 300 | 58 | 0.999 | 1.02 |
| ribosomal protein S5a | 409728 | RPS5-F : AATTATTTGGTCGCTGGAATTGRPS5-R : TAACGTCCAGCAGAATGTGGTA | Evans, 2006 | 115 | 300 | 56 | 0.997 | 0.86 |
| serine protease 14 | 725154 | SP14-F : CGAAAAACACTACGTGGGGCSP14-R : TGTCTCCTTGACAAGCGTCC | this work | 110 | 300 | 58 | 0.997 | 1.01 |
| serine protease 40 | 409626 | SP40-F : TTTCCTCCGTCCCTCTTCCASP40-R : CTAAGTCTGCCCCAGCCAG | this work | 82 | 300 | 58 | 0.999 | 0.97 |
| trehalase | 410484 | Trehalase-F2 : GTTCGGATGGACTAACGGGGTrehalase-R2 : CGTCCTCGTATCCAACCTCC | this work | 83 | 300 | 58 | 0.999 | 1.02 |
| vanin-like protein 1-like (1) | 100578995 | Vanin1-F2 : ACGTTTGATCTTCATAACAAACCAGVanin1-R2 : TGGTCATCGAATCATTGAGCAG | this work | 109 | 300 | 58 | 0.999 | 0.96 |
| vanin-like protein 1-like (2) | 724312 | Vanin2-F2 : CGAAGGAGCGGCTTTTAGTCVanin2-R2 : TCGATGTCCGATGTATGCAG | this work | 118 | 300 | 56 | 0.998 | 0.97 |