

Supplemental Text S1. List of primers used for qRT-PCR

Cuticular protein DD1 (AB194409)

DD1_qF 5' -GGTTCTCGCCTTACCCCTTC-3'

DD1_qR 5' -AGGATTTCGGCTAGCATCCG-3'

Cuticular protein DD5 (AB049147)

DD5_qF 5' -CAGGGTCACAGGGAGTTCTG-3'

DD5_qR 5' -CTTCTCGGGCACTGGTATCG-3'

Cuticular protein DD9A (AB031223)

DD9A-qF 5' -ATGAGAATGGCTTCGTCCCC-3'

DD9A-qR 5' -CGGCGATTTC AAGGAGTTCG-3'

Cuticular protein DD9B (AB031224)

DD9B-qF 5' -AGAAGTCAGATTCACCGCCG-3'

DD9B-qR 5' -GTTGGTCGGCGATTTC AAGG-3'

Crustocalcin-b (AB114445)

CrustocalcinB-qF 5' -GCCGAGGGAAAGTCGGAAGC-3'

CrustocalcinB-qR 5' -GGGCTTTCTCGACATCAGCA-3'

Ca²⁺-ATPase (C1999271)

Ca-ATPase-qF 5' -TCCAGCTCTTGTGGGTCAAC-3'

Ca-ATPase-qR 5' -GCGAGGAGGTTTGTCCATGA-3'

Crustacyanin_A (FJ498897)

Crustacyanin_A-qF 5' -TACACTCGCTGCATCCACTC-3'

Crustacyanin_A-qR 5' -GTACTCGTTGTTGGGGCTGA-3'

Myosin heavy chain type b (MYHb) (AB613206)

MYHb-qF 5' -TCAGCATGGATCCCTCTCCA-3'

MYHb-qR 5' -GGAGTTCTTGGCCTCGTTCA-3'

Prophenoloxidase (AB065371)

proPO-F 5' -TCCAAGTGCCAGAACGAAATG-3'

proPO-R	5' -CGATGAGACGCGAGGAAGA-3'
SOD-2 (AB908996)	
SOD2qF	5' -AGTGACCCCTTAGTGAGCCT-3'
SOD2qR	5' -GGTCTTCAAGCTGTCCTCGT-3'
Heat shock protein 70 (HSP70) (DQ663761)	
hsp70-qF	5' -ATCACTCGTGCTCGCTTTGA-3'
hsp70-qR	5' -ATCTTGGGGATACGGGTGGA-3'
Diphthamide biosynthesis protein 7 (Dph7) (MG566082)	
Dph7-qF	5' -AAACGACTTGGGCGTCTCTACC-3'
Dph7-qR	5' -GGCAAGCATTGGTGTTCTGATA-3'
Serine proteinase inhibitor (Serp) (AB505891)	
Serp-qF	5' -TTTGGTCGGCCTTCATCCTC-3'
Serp-qR	5' -CCCGCCAGATCTTGAAGGT-3'
Toll-like receptor 1 (AB333779)	
TLR1-F	5' -TCGCCAGTACAGTGATCAGCAT-3'
TLR1-R	5' -CATTACCACAGCCACAAG-3'
Toll-like receptor 2 (AB385869)	
TLR2-F	5' -CCTTCTCCTGTTTGCTGTCCTT-3'
TLR2-R	5' -GCATCTAATTCGTCCTCTGTTATGG-3'
Dorsal (KX424930)	
Dorsal-qF	5' -AGACTGGGTTTTCTCATCGTAATC-3'
Dorsal-qR	5' -TAAATGGGATCTGACACTTGTGG-3'
Antilipopolysaccharide factor (ALF) (KX424931)	
AntLPS_KX424931_qF	5' -GATTGTGGCAGACCGGAGAA-3'
AntLPS_KX424931_qR	5' -CATGCGACCCCTGAAGTACA-3'
Antilipopolysaccharide factor D (ALF-D) (MN416688)	
AntLPS_D_qF	5' -CAACTTTCGTAGGCGCTGTG-3'

AntLPS_D_qR 5' -GTTCCGGTCCTCCATAAGCC-3'

Crustin-like peptide (AB121740)

Crustin-F 5' -GGTCGAGCGACTGCAGGTA-3'

Crustin-R 5' -GGCAGTCCAGTGGCTTGGTA-3'

IMD (Immune deficiency) (AB478859)

IMDqF 5' -TGGAATGAAGCCCTGTTCCC-3'

IMDqR 5' -TGCCAAGGTGTTGCTTACT-3'