

Table S1. List of genes employed in the multiplexed RT-qPCR assay 1.

Protein name	Acronym	Accession number	Product length	Oligo sequences ^a	Function	References
Reference genes						
Glyceraldehyde 3 phosphate dehydrogenase	<i>Gapdh</i>	EZ026309	187	F: AGGTGGAGCCAAGAAAGTCA R: TTAGCTAGAGGAGCCAGGCA	Housekeeping gene of demonstrated stable expression level	[24,26]
Ribosomal protein S7	<i>Rps7</i>	EZ031290	197	F: CAGGCATGCTTACAACCAAA R: TCAACCTCCTTTGCTCCAGT		
Ribosomal protein L9	<i>Rpl9</i>	EZ026324	292	F: CGTGAAACGTTGGTITTC R: TTGACACCTGAATTCGCAC		
Unknown transcript	<i>Ctg1913</i>	EZ040581	280	F: GATTTAACCCACGGCAGTGT R: ATGGTAGGGAGGAGGCTGTT		
Genes of interest						
Toll interleukin receptor	<i>TIR-1</i>	EF090256	137	F: AAAGCCGAGTCATCAGTTT R: GAAATTGGCGTTGAATTCGT	Toll/TLR pathway	[19]
TNF receptor associated factor 6	<i>TRAF-6</i>	DY583189	127	F: TGATGAATGCTCTTCGCAG R: ACATGCTTTGCAAGCTGATG		
Mitogen-activated protein kinase/ERK kinase kinase-1	<i>MEKK-1</i>	DY581208 DY581138 DY582675	117	F: CTGCGGATATTGGTCTGT R: TTCTTTGTGGTGTGATCCC		
Extracellular signal regulated kinases	<i>ERK-2</i>	EZ025389	217	F: CCAAAGTTTACAGCAAGGCT R: TGCGTGCTTTTTCATTCATA		
P38 mitogen-activated protein kinases.	<i>MAPK-p38</i>	EZ031759	237	F: AAAATCAGCAGTGAATCCGC R: TCGGGTCTGAATACGTAGC		
Part of AP-1 early response transcription factor	<i>AP-1/cFos</i>	EZ016042	177	F: CTGGAAGAGAATTGTGGC R: GACGATGCACTTCGGACTT		
Part of AP-1 early response transcription factor	<i>AP-1/cJun</i>	EZ020860	366	F: TCGATCGAAGGACAGTTCT R: GTGCTAGTTGGTGTTCAA		
c-AMP Activating transcription factor 4	<i>ATF4/5</i>	DY577805	247	F: GGCCAGAACGTATACCAAT R: TCTTCGAAATCAAACCCCTG		
Nuclear factor kappa B	<i>NF-kB</i>	G0002043 DY582971 DY580118 G0000491	152	F: GATGTTGCAGGCTCAGTTCA R: CTCATATGCAGGTTGGTGG		
TRIF-related adaptor molecule	<i>TRAM</i>	EZ047194	157	F: AAGCTAACGGCTCACCAAGA R: TGTGCCATGCACAAGAAAAT	IFN pathway	[19]
Apical extracellular protein	<i>Apextrin</i>	EF091848	352	F: GGATTCGTACCAAAAAGGCA R: GAGGGTCTGATATGGGGTT	MAC/PF - membrane attack complex/perforin domain.	[19]
60 kDa proteinaceous toxin	<i>Tx60-A</i>	DY579588	207	F: TACTGCCCTTGAGGTTTGCT R: CTGAAAATCCCGCTGACTGT		
Complement factor B precursor	<i>Bf</i>	GO001635	227	F: TTATCCATCCCGACGTAAC R: AGGATCATCTTTTCCTGCGA	Alternative pathway of complement activation with 6e-77 on 30% coverage to <i>N. vectensis</i> (AB450042).	[42]
Complement C3	<i>C3</i>	EF090257	167	F: CCGCTACAGGCTAGACAACA R: CCGCAGAGTCGATGTACAAA	Alternative pathway of complement activation with 0e-value on 87% coverage to <i>N. vectensis</i> (AB450038).	[42]
Mannose-binding lectin	<i>millectin</i>	EU717895	257	F: AGCGAGTATCCACAACACCC R: GGCTTTTTCGATGTTTTCCA	Innate immune system cell surface recognition receptors.	[15,16,23]
C type lectin	<i>CTL-1</i>	GO001638	312	F: GGGTTGTGTACAACGGCTTT R: CTTCCATTGGTTCCTCTG	Innate immune system cell surface recognition receptors.	[15,16]
C type lectin	<i>CTL-2</i>	GS01UH10	267	F: CAGGTCCTGGATCCGACTCAT R: CATGTCCAGTGGTTGTACGC		
Hemolytic lectin-1	<i>HL-1</i>	EU863776 EU863777	335	F: TTCGCTCCAGAGGAAACTA R: GCAGAAATGCCTTTGGTGT	Innate immune system cell surface recognition receptors, member of the CEL-III lectins.	[15,16]
Hemolytic lectin-2	<i>HL-2</i>	EU863776	302	F: AACAGTTGAGATAACCGCG R: TTGATTCCTGGTGCATTGA		
Hemolytic lectin-3	<i>HL-3</i>	EU863777	379	F: TTCTGGAGATTGGTAACGC R: TCGTTCTCAGCGTGTGTTC		

^aForward (AGGTGACACTATAGAATA) and reverse (GTACGACTCACTATAGGGA) fluorescent universal tags, omitted from the oligo sequences in the table, were added at the 5' end of all primers.