

Additional file 2: Table S1. Gene names, VectorBase gene IDs, and primers used for quantitative RT-PCR.

Protein	Gene	VectorBase ID *	Assembly	Forward primer (5'→3')	Reverse primer (5'→3')	Amplicon (bp)	
						Transcript	Genomic
Pathogen recognition							
C-type lectin 4	<i>CTL4</i>	AGAP005335	AgamP4	TACCCAAAACCTGTGCGTTT	CTTTTCTGCGATCGTGTCTCAG	207	273
Fibrinogen-related protein 13	<i>FREP13</i>	AGAP011197	AgamP3	TTGTGATGAAGGAGCACAGC	GTGGTTGGAGCAGATGGTTT	176	176
Gram (-) binding pr. 4	<i>GNBPB4</i>	AGAP002796	AgamP3	TCAAGGACGGCATCTTCTTC	TCGGGTTGAGGTAGTTCGTT	174	250
Thioester-containing protein 1	<i>TEP1</i>	AGAP010815	AgamP4	GACGTCCAAATACGGATCTCA	CTTTCAGGCATCACCCGTAT	184	0
Eater	<i>Eater</i>	AGAP012386	AgamP3	TGGAGTTCGACGAGAGGTTTC	TCGGTACGCATAAAACCATCA	124	199
Nimrod **	<i>Nimrod</i>	AGAP009762	AgamP3	AACGAAGGGACACATTCCTG	CCGACTGAGAGATGGATTGG	121	179
Draper	<i>Draper</i>	AGAP007256	AgamP3	GTGACGAGCGTATGACGAAC	GCCGGTAGTACAGCAGCATT	132	1862
Croquemort	<i>SCRBQ2</i>	AGAP010133	AgamP3	AGGACGTGGCATTTTGTACC	TGGTTTGTTTTTCCACAGCA	177	281
Signal modulation							
CLIPB 15	<i>CLIPB15</i>	AGAP009844	AgamP3	CCGAACGATATCTGCATCCT	GCTCCACGTGCTTCTGTGTA	184	274
Serpin 6	<i>SRPN6</i>	AGAP009212	AgamP3	AGCGTATGCATCAGCGGTAT	TGGGCAGATCCTTCTGGTAG	195	279
Signal Transduction							
MyD88	<i>MYD88</i>	AGAP005252	AgamP4	ACCGCTGGTGTCTACCAATC	TTGCTCCCGCAGTAGAAACT	196	269
Cactus	<i>CACTUS</i>	AGAP007938	AgamP4	GGATGATTCCAGACGAGGAG	TCAGAAACTGCTGTGGAACG	204	318
Casp1	<i>CASPL1</i>	AGAP011693	AgamP4	TGCTAGAAGCGCTGACCATA	GGGGCAAAAGTAGTCGATTG	217	217
Caspar	<i>CASPAR</i>	AGAP006473	AgamP4	CCGATCATCAATCAGCAGAA	GTGCAGATAGATCGCCAACA	204	647
Stat-A	<i>AGSTAT-A</i>	AGAP010423	AgamP4	CCTTGGAACAGGAAGAGCTG	ACGACCTACCCGTGCACTAA	218	218
Pias	<i>PIAS</i>	AGAP005031	AgamP4	ATCGACGTGCTCCCATCTAC	CCAGGAACCATCTTTGTGGA	205	294
Immune effectors							
Cecropin A	<i>CECA</i>	AGAP000693	AgamP3	GCTGAAGAAGCTGGGAAAGA	ATGTTAGCAGAGCCGTCGTC	158	247
Gambicin 1	<i>GAM1</i>	AGAP008645	AgamP3	TGCGAGATGTAAAAGCATCG	CAGCAGAGCTCCACTCAGAA	174	273
Defensin 1	<i>DEF1</i>	AGAP011294	AgamP3	GCAACGATCGTCTGTACCATT	GCTTGGCCCGATAGTTCTC	175	275
Phenoloxidase 1	<i>PPO1</i>	AGAP002825	AgamP4	CACCATCATGATCGAGAACG	GGAATTGTGACGGTGGATTTC	207	296
Phenoloxidase 6	<i>PPO6</i>	AGAP004977	AgamP3	AGAGCCACTACCGGAAGGAT	TCGATGCTCTCAGCAATACG	174	242
Lysozyme C1	<i>LYSC1</i>	AGAP007347	AgamP3	ACGGCATCTTCCAGATCAAC	CATTGCAGTGGTTCTTCCAG	180	259
Nitric oxide synthase	<i>NOS</i>	AGAP008255	AgamP3	CAAGAGTGGGACCACATCAA	ACCCTTCTGGACCATCTCCT	129	210
Dual oxidase	<i>DUOX</i>	AGAP009978	AgamP3	TTTACCGGGCTAAAAGCAGT	ATTTGCGGCTCTTGTTCACT	175	251
Ecdysteroid biosynthesis							
CYP302A1	<i>CYP302A1</i>	AGAP005992	AgamP4	CATCCTGCCACCACCA	CCAAACGGAAGCACCAGGT	201	270
CYP315A1	<i>CYP315A1</i>	AGAP000284	AgamP4	CGAAGCGGAGTGCCTGTGT	CGTCTGTGCGTTTGCTATTC	202	274
Ribosomal genes							
Ribosomal pr. 17	<i>RPS17</i>	AGAP004887	AgamP3	GACGAAACCACTGCGTAAACA	TGCTCCAGTGCTGAAACATC	153	264
Ribosomal pr. 7	<i>RPS7</i>	AGAP010592	AgamP3	GACGGATCCCAGCTGATAAA	GTCTCTGGGAATTCGAACG	132	281

* VectorBase PEST strain genomic sequence (www.vectorbase.org)

** In AgamP4, AGAP009762 was renamed AGAP029054.

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