	Gene Symbol	Gene name	GenBank	Primer-Fw (5'-3')	Primer-Rv (5'-3')	Reference
Reference	*Lv* L40	Ubiquitin/ribosomal L40 fusion protein	KJ831563	GAGAATGTGAAGGCCAAGATC	TCAGAGAGAGTGCGACCATC	1
	Lv EF1α	Elongation factor 1-alpha	GU136229	TGGCTGTGAACAAGATGGACA	TTGTAGCCCACCTTCTTGACG	2
	Lv Actin	β-actin	AF300705	CCACGAGACCACCTACAAC	AGCGAGGGCAGTGATTTC	3
Antimicrobial peptide	*Litvan* PEN1/2	Penaeidin 1/2	Y14925	GTCTGCCTGGTCTTCTTGG	GCAGCAATTGCGAGCATCTG	4
	Litvan PEN3	Penaeidin 3	AF390144	GTCTGCCTGGTCTTCTTGG	GCGCTTGTGAGAAGGAAATTC	4
	Litvan PEN4	Penaeidin 4	DQ211701	GTCTGCCTGGTCTTCTTGG	TTGCGGAGGGAATTCCGTAG	4
	Litvan ALF-A	ALF Group A	EW713395	CTGATTGCTCTTGTGCCACG	TGACCCATGAACTCCACCTC	5
	Litvan ALF-B	ALF Group B	GQ227486	GTGTCTCCGTGTTGACAAGC	ACAGCCCAACGATCTTGCTG	5
	Litvan ALF-C	ALF Group C	FE058235	ATGCGAGTGTCTGTCCTCAG	TGAGTTTGTTCGCGATGGCC	5
	Litvan ALF-D	ALF Group D	FE151634	TGTGTTGGTTGTGGCACTGG	CAACGAGGTCAATGTCACCG	5
	n*Lv* ALF1	new ALF-1	KJ000049	AAGCTCTCATTCCTGGTCGG	GGGTGTAACGAAGTACGTGC	this study
	Crustin	Crustin Type IIa	AY488496	CGAACCAGAGACACCTGTTG	CAGCACACTTGTAGTCGTTG	4
	c-type lys	conventional c-type lysozyme	AY170126	CTTCGAGCTCTATGTTCTAGA	TCAACCATTACAACGTCTGCA	4
	i-type lys	invertebrate i-type lysozyme	DQ398564	CGGTTGCGGAATTAGAAGAC	TCCACACACTTCTGACCATG	this study
Immune signaling pathway	*Lv* Toll1	Toll receptor 1	DQ923424	TCTGCTGACGAATACTCCCAAAC	GACTGCCCACGCGATTTC	6
	Lv Toll2	Toll receptor 2	JN180637	CATGCCTGCAGGACTGTTTA	GGCCTGAGGGTAAGGTCTTC	7
	Lv Toll3	Toll receptor 3	JN180638	TCGTACAACCAGCTGACGAG	ATACTTCAGGTGGGCCACAG	7
	Lv Pelle	Pelle (IRAK4)	JN180645	TGACAGATTCCAGTGGATCATGC	CTTCCAAGATGTGCGCTAACTGTG	8
	Lv TRAF6	TNFR-associated factor 6	KC346864	GTTTATGGCTACTCGGCAGATCC	CATGTGAGAGCTTTTGTGGGACTTC	4
	Lv Cactus	Cactus (IkB protein)	JX014314	AGTGACCTGAGAACCTTCAC	CACACACTGACACTATCTCC	this study
	Lv Dorsal	Dorsal (Rel/NF-κB transcription factor)	FJ998202	TCACTGTTGACCCACCTTAC	GAGGGCATCTTCAACATCAC	4
	Lv IMD	Immune deficiency homolog	FJ592176	AAGGTCGAGGTCAGCGAAC	GATCATCTGGGTGAGTCTGG	4
	Lv STAT	Signal transducer and activator of transcription	HQ228176	CATGGCTCTGGCAGATAAGC	GCATCTGCTGGTCTCTCTTC	4
	Lv Relish	Relish (Rel/NF-κB transcription factor)	EF432734	GAGGAGGCTTGTTGCTATGC	CAGGTACAGGTCTGGTTAGG	4
	Lv GILT	γ-interferon-inducible lysosomal thiol reductase	HQ317497	TCCACCTGTACTACGAGTCC	CGAATGGGAACATCTCCACC	4
	Lv HMGBa	High-mobility group	HQ228174	GGATGAGAAGGTCAAGTACG	TCCTCGTCGTCTTCCTCTC	4
	Lv DOME	JAK/STAT pathway receptor Domeless	KC346866	CTCAGGCTATGTTTCTCAGGATTCA	CACGGCAGTTCCTTTATGGTCT	9

	Gene Symbol	Gene name	GenBank	Primer-Fw (5'-3')	Primer-Rv (5'-3')	Reference
Microbial recognition	*Lv* LGBP	LPS and β-1,3-glucan binding protein	EU102286	ACCGCAGCATCAGTTATACC	GTCATCGCCCTTCCAGTTG	3
	Lv βGBP	HDL/1,3-beta-D-glucan-binding protein	AY249858	ACGAGAACGGACAAGAAGTG	TTCAGCATAGAAGCCATCAGG	this study
	Lv QM	QM protein	JX880087	TCGTGTGCTGGTGCTGATAGAT	GCCTCAATGACCTGCTCCTTGT	10
	Lv LT	C-type lectin	DQ871245	TCTGTTCGCAGGGAAAGTAG	GAACAAGAGGCATTTGTCGC	this study
	Lv Lectin-1	C-type lectin 1	HQ153047	CTTTCTGGATCGGAGGGACTGA	TCGTCTTAGATTTGGCAGATAGCA	11
	Lv CTL3	C-type lectin 3	KF156943	ATGTTCTTCGTGCTCCTGCTGT	GCAGTGGTCGTAAATGTTGTG	10
	Lv AV	Antiviral Protein (c-type lectin)	JX983205	AACGATCATGAGGACAGGTG	AATGAATCCCAGCGCATGAC	this study
	Lv Gal	Galectin	KF179103	AATGCTTTCACACGAGCAGC	GTCTTCAATCCAGACACAGG	this study
RNAi pathway	*Lv* Sid1	Sid-1	HM234688	GAAGCGATTGGCAGTCTATGAAC	TGGAAGCCTATCTCTGCAACTTG	12
	Lv Dcr1	Dicer-1	EU676241	CCGGAGATAGAACGGTTCAGTG	CGATAATTCCTCCCAACACCTG	13
	Lv Dcr2	Dicer-2	HQ541163	AGGAAATGCAATGTCGTGGTT	ACGAGCCCTCCCCCTAGATT	14
	Lv Ago1	Argonaute 1	HM234689	TGCGTCATTTGCCATCCAT	GCCATCTGGAGCGGAGAAG	12
	Lv Ago2	Argonaute 2	HM234690	GATGGCATGAAGTCTGCAGTTG	TGCGCACGACCATCACTAAG	12
	Lv TRBP1	(TAR) RNA-binding protein 1	HQ541157	CAAGAGTTGTGTATGCGCAG	AGCACCACCCTGGATGATG	4
proPO system	*Lv* proPO1	Prophenoloxidase 1	EU284136	CGGTGACAAAGTTCCTCTTC	GCAGGTCGCCGTAGTAAG	3
	Lv proPO2	Prophenoloxidase 2	EU373096	GCGGAATGACTTTGGTCTCG	AAGTGACGTCATCGGAGAGG	4
	Lv PPAE2	Prophenoloxidase-activating enzyme 2	FE090793	TCAGCAGGATTTGTGTTGCC	GTCTCAGTGAAGCCCCATC	4
	Lv α2M-1	Alpha2-macroglobulin 1	EF073268	GGAGAGGAACGAGACCATC	TCAGCTTGGCGTCGAAGTG	4
	Lv α2M-2	Alpha2-macroglobulin 2	DQ988330	TGCAGGTTCTAGTGTGGTAC	CACCCAGGTAGTCGATGAC	4
Cytokine	*Lv* SVC1	single VWC domain protein 1	HQ541158	TGCCAACCTAGCTGAGCTTCA	CCATCAGGGCACACGTATTTG	14
	Lv AST	Astakine	HM473285	GACTGGGCGACTGTTCTTC	GGTACGCAAGATTCAGCTCC	4
	Lv Tetrasp	Tetraspanin D107	FE084500	GCTTGGCATCCTGAGAGAG	GCTGATTGGAATTGCCTTCG	4
	Lv C1q	C1q-binding protein	KC776604	TGAAGGAGAGCTCAAGAGTC	CCTCATACATGGTGAGTTCG	this study
	Lv Pxt	Peroxinectin	AY486425	CTGAAGAAAGGAGACCGATAC	TGGACGGCTTGGATGTTATC	4
Redox system	*Lv* cMnSOD	Cytosolic manganese superoxide dismutase	AY486424	TCATGCTTTGCCACCTCTC	CCGCTTCAACCAACTTCTTC	3
	LvGST	Glutathione S-transferase (GST mu-class)	AY573381	CACCTACGAACACTACGAAC	GGTTCTTGAAGCCGTCGAG	4
	Lv GPx	Glutathione peroxidase	AY973252	AGAGTTCGGCGACAAGCTG	TCGGTAGTGTTCTCCTGGTG	4
	Lv NOS	Nitric oxide synthase	GQ429217	GAGCAAGTTATTCGGCAAGGC	TCTCTCCCAGTTTCTTGGCGT	15

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