

Table S1. Information on primers used for RT-PCR.

Gene	VectorBase ID ^a	Sequence (forward [top] and reverse [bottom])	Amplicon (bp) ^{b,c}	
			Transcript	Genomic
<i>RPS7</i>	AGAP010592	GACGGATCCCAGCTGATAAA GTTCTCTGGGAATTCGAACG	132	281
<i>RPS17</i>	AGAP004887	GACGAAACCACTGCGTAACA TGCTCCAGTGCTGAAACATC	153	264
<i>NOS</i>	AGAP029502	CAAGAGTGGGACCACATCAA ACCCTTCTGGACCATCTCCT	129	210
<i>LYSC1</i>	AGAP007347	ACGGCATCTTCCAGATCAAC CATTGCAGTGGTCTTCCAG	180	259
<i>LYSC2</i>	AGAP007343	AAGAAATGTGGCCGGATTG TTTGGCACGGTATATTGCAC	172	247
<i>CAT1</i>	AGAP004904	ACGGAAAACAAATCCCATCA GTCGATCAGGTGAACGTCTT	188	7533
<i>CuSOD2</i>	AGAP005234	ATTGCTCTATCGACCGTGCT ACCCTTCTCGTGAATGTGGA	198	1067
<i>CuSOD3</i>	AGAP010347	CCACAGTTTTGTTCGTGACA CCTTCACTTCTCCGTTCCAGC	200	200
<i>GPXH3</i>	AGAP004248	ACGAAATCGTACAGCGCTTC CGGTCGGTAAGAAAGATGGT	181	1008
<i>CCAP</i>	AGAP009729 JX880074	GCTGGCAGTTGTATCGCTCT GGTAAAGCGTTGCAGAAC	127	201
<i>CRZ</i>	AGAP003675	AGTACTCCCCTGGATGGACA GTCGTAGGAGCGCTTTTCA	171	NA
<i>FMRFamide</i>	AGAP005518 KJ583231, KJ583232	TTTACATACGGCGTGACTCG CCAAAGCGCATCAGATTACC	229	229
<i>NPF</i>	AGAP004642	TTACTCAGCGTTTGCTGGTG TCCGAATCTGGGTCTAGCAT	170	NA
<i>sNPF</i>	DQ437578	GCTGTTAGTCTCGCGGTAG CTTCCAACCGTAGCCTCAG	180	UNK

- a IDs are from the AgamP4 assembly in www.vectorbase.org (AGAP) or from www.ncbi.nlm.nih.gov/genbank (JX; KJ; DQ).
b Amplicon sizes are based on the sequences in Vectorbase or Genbank.
c “NA” indicates the primer span an exon-intron junction, thus unable to amplify from genomic DNA. “UNK” means that the size of the genomic amplicon is unknown.

Table S2. Sample sizes for figures 1-6 and 8

Figure 1: Panels A-H

	Naïve	Injured	<i>E. coli</i>	<i>M. luteus</i>	<i>S. aureus</i>	<i>S. epidermidis</i>
1 day	77	80	73	59	56	45
3 days	28	30	30	29	30	19
5 days	24	26	27	18	18	16

Figure 2: Panels A and C

	Naïve	Injured	<i>E. coli</i>	<i>M. luteus</i>	<i>S. aureus</i>	<i>S. epidermidis</i>
1 day	5	5	5	5	5	5
5 days	4	4	4	4	4	4

Figure 2: Panel B

	Naïve	Injured	<i>E. coli</i>	<i>M. luteus</i>	<i>S. aureus</i>	<i>S. epidermidis</i>
1 day	5	5	5	5	5	4
5 days	4	4	4	4	4	4

Figure 2: Panels D and E

	Naïve	Injured	<i>E. coli</i>	<i>M. luteus</i>	<i>S. aureus</i>	<i>S. epidermidis</i>
1 day	3	3	3	3	3	3
5 days	3	3	3	3	3	3

Figure 3: Panels A-E

	Naïve	Injured	<i>E. coli</i>
Heart	3	3	3
Hemocytes	2	2	2
Carcass	3	3	3
Whole Body	3	3	3

Figure 4: Panels A

	Naïve	Injured	<i>E. coli</i>	<i>M. luteus</i>	<i>S. aureus</i>	<i>S. epidermidis</i>
1 day	5	5	5	5	5	5
5 days	4	4	4	4	4	4

Figure 4: Panels B-F

	Naïve	Injured	<i>E. coli</i>	<i>M. luteus</i>	<i>S. aureus</i>	<i>S. epidermidis</i>
1 day	3	3	3	3	3	3
5 days	3	3	3	3	3	3

Figure 5: Panels A-F

	Naïve	Injured	<i>E. coli</i>
Heart	3	3	3
Hemocytes	2	2	2
Carcass	3	3	3
Whole Body	3	3	3

Table S2 (Continued). Sample sizes for figures 1-6 and 8

Figure 6: Panel A

	<i>E. coli</i>	<i>S. aureus</i>
Injured	25	26
Infection	27	26
Infection + L-NAME	27	23
Infection + D-NAME	26	26

Figure 6: Panel B

	<i>E. coli</i>	<i>S. aureus</i>
Injured	8	12
Infection	8	12
Infection + L-NAME	8	12
Infection + D-NAME	8	12

Figure 8: Panel A (*LysC1*)

	Naïve	Injured	<i>E. coli</i>	<i>M. luteus</i>	<i>S. aureus</i>	<i>S. epidermidis</i>
1 day	3	3	3	3	3	3
5 days	3	3	3	3	3	3

Figure 8: Panel A (*LysC2*)

	Naïve	Injured	<i>E. coli</i>	<i>M. luteus</i>	<i>S. aureus</i>	<i>S. epidermidis</i>
1 day	2	2	2	2	2	2
5 days	2	2	2	2	2	2

Figure 8: Panel B (*LysC1* and *LysC2*)

	Naïve	Injured	<i>E. coli</i>
Heart	3	3	3
Hemocytes	2	2	2
Carcass	3	3	3
Whole Body	3	3	3

Figure 8: Panel C

	Injured	Lys 10 ⁻⁵ M	Lys 10 ⁻³ M
3 hours	23	26	23
24 hours	26	27	27