

Table S8. List of immune effector genes: genes encoding proteins with antimicrobial activity and/or required to protect *C. elegans* from *P. aeruginosa* infection.

Gene	Description	Evidence	Survival on PA14 (relative to N2)
<i>abf-2</i>	Antimicrobial peptide similar to ASABF (<i>Ascaris suum</i> antibacterial factor)	D	nt
<i>acdh-1</i>	Mitochondrial short-chain acyl-CoA dehydrogenase	A	0.78
<i>asp-3</i>	Aspartyl protease	B	0.77
C49C3.9	Intestinally-enriched expression	A	0.77
C55A6.7	Predicted short chain-type dehydrogenase	A	0.69
<i>col-179</i>	Collagen, possible signaling component	A	0.85
<i>dct-17</i>	Contains CUB-like domain	C	0.80
F08G5.6	Contains CUB-like domain	A	0.74
F20G2.5	Contains CUB-like domain	A	0.88
F41C3.8	Neuronal, pharyngeal, and intestinal expression	A	0.82
F53C11.3	Predicted short-chain dehydrogenase/reductase	A	0.68
<i>gst-1</i>	Putative glutathione S-transferase	A	0.86
<i>his-16</i>	H2A histone	A	0.62
K11D12.5	Putative multitransmembrane protein; intestinally-enriched expression	A	0.87
<i>lys-2</i>	Lysozyme	B	0.82
<i>lys-7</i>	Lysozyme	B	0.72
M60.1/2	Intestinally-enriched expression	A	0.64
<i>maoc-1</i>	Predicted to function in peroxisomal fatty acid beta-oxidation	A	0.80
<i>nhr-112</i>	Nuclear hormone receptor	A	0.87
<i>pqm-1</i>	Putative oxidative-stress responsive transcription factor	A	0.57
<i>prx-11</i>	Peroxin homolog; putative peroxisomal biogenesis function	A	0.70
<i>skr-3</i>	Ancient, conserved protein, putative skp1-related ubiquitin ligase	A	0.83
<i>spp-1</i>	Saposin-like antimicrobial similar to the amoebapores of <i>Entamoeba histolytica</i>	B,E	0.82
T19D12.4	Contains domain similar to von Willebrand factor type A	A	0.83
<i>thn-1</i>	Similar to thaumatin family of plant pathogenesis proteins	A	0.87
<i>thn-2</i>	Similar to thaumatin family of plant pathogenesis proteins	B	0.76
<i>vab-9</i>	Claudin homolog, role in epithelial development and morphology	A	0.83
Evidence codes: A = RNAi knockdown increases sensitivity to PA14 [1]; B = RNAi knockdown increases sensitivity to PA14 (unpublished data); C = RNAi knockdown increases sensitivity to PA14 (M. Nandakumar and M.-W. Tan, unpublished data); D = Antimicrobial activity [2]; E = Antimicrobial activity [3]. nt = not tested for PA14, required for resistance to colonization by <i>S. typhimurium</i>			

References

1. Shapira M, Hamlin BJ, Rong J, Chen K, Ronen M, et al. (2006) A conserved role for a GATA transcription factor in regulating epithelial innate immune responses. Proc Natl Acad Sci U S A 103: 14086-14091.
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- type antimicrobial peptide genes in *Caenorhabditis elegans*. *Biochem J* 361: 221-230.
3. Banyai L, Patthy L (1998) Amoebapore homologs of *Caenorhabditis elegans*. *Biochim Biophys Acta* 1429: 259-264.