

TABLE S3**Species expression differences in defense genes**

Gene	Biological Process	OE _{mm} -OE _{ss}
AGO2	defense response to virus	0.91
Aldh-III	defense response	-0.80
Arc1**		0.45
CG10178	response to toxin	-1.15
CG10211	defense response	0.72
CG11459**	proteolysis	0.84
CG11841	proteolysis	1.50
CG15282		0.75
CG15293		0.54
CG15661	defense response	0.95
CG16772		-0.66
CG17324	defense response	0.87
CG17575	defense response	0.64
CG18067		-0.36
CG6639	proteolysis	0.93
CG7356	protein modification process	1.05
CG8157		0.78
CG8193	defense response	1.42
CG9928		1.24
Dhpr**	coenzyme metabolic process	-0.63
GstD2	defense response	0.68
GstD9	defense response	0.93
GstE1*	defense response	-1.13
Hsc70-2	defense response	-0.52
Jheh2	defense response	1.14
Keap1		-0.26
PGRP-SB1	immune response	-1.07
TotA	response to stress	-0.54
TotC	response to stress	-1.22
Tsf1	defense response	-0.24
Ugt35a	defense response	1.16
Ugt35b**	defense response	-0.51
Ugt36Ba	defense response	1.67
Ugt37b1	defense response	2.09
Ugt86Dd**	defense response	1.30
aPKC	protein amino acid phosphorylation	0.36
ninaD	defense response	-0.53
os	sex determination-- establishment of X:A ratio	-0.62

pnt	terminal region determination	-0.68
yellow-f	instar larval or pupal development	-1.65
yin*	oligopeptide transport	0.64

* Genes also significant for *trans* regulatory divergence.

** Genes also significant for *cis* regulatory divergence.