

Table S4 Number of non-synonymous and syntenic sites for genes in tolerance region

CG	Symbol	Non-synonymous sites		Syntenic sites included in:		
		<i>D. sim</i>	<i>D. sech</i>	Ka/Ks	Alignment	Missing seq
CG10287	<i>Gasp</i>	1	1	708	708	0
CG15582	<i>Obp83cd</i>	0	5	729	729	0
CG31557	<i>Obp83ef</i>	1	1	738	738	0
CG31558	<i>Obp83g</i>	0	2	441	441	0
CG1076	CG1076	0	1	111 ^a	390	0
CG31559	CG31559	2	2 ^b	1365	1365	0
CG1077	CG1077	11 ^c	6	2193	2193	0
CG15585	<i>Osi1</i>	1	2 ^d	513	513	414
CG31562	CG31562	2	5	765 ^e	792	27
CG1147	<i>NPFR1</i>	0	1	1458	1458	0
CG15589	CG15589	2	5	1447 ^f	1602	0
CG1148	<i>Osi2</i>	0	0	1173	1173	0
CG1150	<i>Osi3</i>	0	0	867	867	0
CG10303	<i>Osi4</i>	3	1	717 ^g	1182	0
CG15590	<i>Osi5</i>	0	1	609	609	0
CG1151	<i>Osi6</i>	0	0	939	939	0
CG1153	<i>Osi7</i>	0	0	115	115	752
CG15591	<i>Osi8</i>	6	1 ⁱ	309 ^h	825	0

^a Frameshift deletion at 112 in both *D. simulans* (10 bp) and *D. sechellia* (8 bp)

^b In-frame deletion at 646 in *D. sechellia* (9 bp)

^c In-frame deletion at 436 in *D. simulans* (6 bp)

^d In-frame deletion at 154 in *D. sechellia* (3 bp)

^e Pre-mature stop codon ending at 765 in *D. sechellia*

^f Pre-mature stop codon ending at 1447 in *D. sechellia*

^g Frameshift deletion at 718 in *D. simulans* (1 bp)

^h Pre-mature stop codon ending at 309 in *D. simulans*

ⁱ One additional non-syn site in *D. sechellia* from *D. melanogaster* after pre-mature stop in *D. simulans*