

**Supplementary Table 1:** p-values for the proboscis extension reflex data in Figure 5. p-values below 0.05 have been highlighted in grey. Wilcoxon Rank-Sum was used for comparison between two genotypes, while Kruskal-Wallis with Steel-Dwass post-hoc test was used for two or more genotypes. These tests were performed at each concentration independently.

	0.1mM	1mM	10mM	100mM
<b>Figure 5A</b>				
<i>w1118 vs Lk+/-</i>	0.4716	0.4609	0.1857	< 0.0001
<i>w1118 vs Lk-/-</i>	0.9719	0.2162	0.0203	< 0.0001
<i>Lk+/- vs Lk-/-</i>	0.5125	0.0941	0.6813	0.5880
<b>Figure 5B</b>				
<i>w1118 vs Lk-/-</i>	0.1370	0.0649	< 0.0001	< 0.0001
<i>UAS-Lk; Lk-/- vs Lk-/-</i>	0.5713	0.5025	0.0113	0.0027
<i>w1118 vs UAS-Lk; Lk-/-</i>	0.9181	0.8094	0.9483	0.0045
<b>Figure 5C</b>				
<i>Lk &gt; TNT vs Lk &gt; IMP TNT</i>	0.0608	0.0549	0.0120	0.0295
<b>Figure 5D</b>				
<i>w1118 vs UAS-Lkr; Lkr-/-</i>	0.7218	0.9641	0.7593	0.4060
<i>w1118 vs Lkr+/-</i>	0.7780	0.8045	0.9101	0.3203
<i>UAS-Lkr; Lkr-/- vs Lkr+/-</i>	0.9871	0.7140	0.6810	0.0523
<i>UAS-Lkr; Lkr-/- vs Lkr-/-</i>	0.1947	0.0093	0.0026	< 0.0001
<i>Lkr+/- vs Lkr-/-</i>	0.0884	0.0040	0.0079	0.0966
<i>w1118 vs Lkr-/-</i>	0.1349	< 0.0001	< 0.0001	0.0008