



Figure S1: Transepithelial potential (TEP) of the gastric caecum of fourth instar *Aedes aegypti* larvae reared in freshwater. An initial TEP was measured, followed after 10 mins by a measurement during the decline in TEP. TEP was then measured (A) after the addition of 5-HT followed by ketanserin, (B) after the addition of ketanserin followed by 5-HT, (C) after the addition of 5-HT followed by DMSO (dimethyl sulfoxide; carrier for ketanserin), (D) after the addition of DMSO followed by 5-HT. Data are expressed as mean \pm sem (N= 4-8). Asterisks denote significant difference between treatments; significance ($p < 0.05$) was determined by one-way ANOVA followed by Tukey's post-hoc test.