

Supplementary Table S2. Summary of statistical data analysis of mosquito neuron cultures spontaneous activity at different times post infection (Figure 2A).

Time line	<i>2 dpi</i>	<i>3 dpi</i>	<i>7 dpi</i>
Uninfected to ZIKV	$t = 5.097$, df = 407 $n_{\text{uninfected}} = 179$ $n_{\text{ZIKV}} = 230$	$t = 14.05$, df = 114 $n_{\text{uninfected}} = 57$ $n_{\text{ZIKV}} = 59$	$t = 10.61$, df = 446 $n_{\text{uninfected}} = 214$ $n_{\text{ZIKV}} = 234$
	$P < 0.0001$	$P < 0.0001$	$P < 0.0001$
Uninfected to DENV2	$t = 1.717$, df = 290 $n_{\text{uninfected}} = 179$ $n_{\text{DENV2}} = 113$	$t = 1.756$, df = 167 $n_{\text{uninfected}} = 57$ $n_{\text{DENV2}} = 112$	$t = 0.936$, df = 322 $n_{\text{uninfected}} = 214$ $n_{\text{DENV2}} = 110$
	NS	NS	NS
ZIKV to DENV2	$t = 2.828$, df = 341 $n_{\text{ZIKV}} = 230$ $n_{\text{DENV2}} = 113$	$t = 16.27$, df = 169 $n_{\text{ZIKV}} = 59$ $n_{\text{DENV2}} = 112$	$t = 8$, df = 342 $n_{\text{ZIKV}} = 234$ $n_{\text{DENV2}} = 110$
	$P = 0.005$	$P < 0.0001$	$P < 0.0001$