Table S3. Summary of statistical data analysis of mouse neuron cultures spontaneous activity at different times post infection (Fig. 1c).

Time line	Mouse (*Mus musculus*)			
	1 dpi	2 dpi	3 dpi	7 dpi
Uninfected to ZIKV	t = 0.078, df = 217 $n_{\text{uninfected}} = 164$ $n_{\text{ZIKV}} = 55$	t = 8.317, df = 452 $n_{\text{uninfected}} = 281$ $n_{\text{ZIKV}} = 173$	t = 1.816, df = 217 $n_{\text{uninfected}} = 164$ $n_{\text{ZIKV}} = 55$	t = 5.65, df = 451 $n_{\text{uninfected}} = 281$ $n_{\text{ZIKV}} = 172$
	NS	*P* < 0.0001	NS	*P* < 0.0001
Uninfected to DENV2	t = 4.903, df = 299 $n_{\text{uninfected}} = 164$ $n_{\text{DENV2}} = 137$	t = 4.735, df = 426 $n_{\text{uninfected}} = 281$ $n_{\text{DENV2}} = 147$	t = 1.897, df = 298 $n_{\text{uninfected}} = 164$ $n_{\text{DENV2}} = 136$	t = 10, df = 419 $n_{\text{uninfected}} = 281$ $n_{\text{DENV2}} = 140$
	P < 0.0001	*P* < 0.0001	NS	*P* < 0.0001
ZIKV to DENV2	t = 3.419, df = 190 $n_{\text{ZIKV}} = 55$ $n_{\text{DENV2}} = 137$	t = 3.553, df = 318 $n_{\text{ZIKV}} = 173$ $n_{\text{DENV2}} = 147$	t = 0.079, df = 189 $n_{\text{ZIKV}} = 55$ $n_{\text{DENV2}} = 136$	t = 14, df = 310 $n_{\text{ZIKV}} = 172$ $n_{\text{DENV2}} = 140$
	P = 0.0008	*P* = 0.0004	NS	*P* < 0.0001