

<b>Supplementary Table 1: Lack of fit test</b>					
	<b>Degrees of freedom</b>	<b>Sum of squares</b>	<b>Mean squares</b>	<b>F-ratio</b>	<b>p-Value</b>
<b>DENV1 system</b>					
Model	1	711.02	711.02	3866.25	<0.001
Residual	22	4.05	0.18		
Pure error	18	3.02	0.17		
Lack of fit	4	1.03	0.26	1.53	0.32
<b>DENV2 system</b>					
Model	1	619.93	619.93	8543.06	<0.001
Residual	22	1.6	0.07		
Pure error	18	0.85	0.05		
Lack of fit	4	0.75	0.19	3.96	0.08
<b>DENV3 system</b>					
Model	1	856.84	856.84	2429.18	<0.001
Residual	22	7.76	0.35		
Pure error	18	6.67	0.37		
Lack of fit	4	1.09	0.27	0.74	0.61
<b>DENV4 system</b>					
Model	1	500.70	500.70	3065.06	<0.001
Residual	18	2.94	0.16		
Pure error	15	1.85	0.12		
Lack of fit	3	1.09	0.27	2.22	0.20