

Supplementary Table 1. EBOV RNA levels in oral, nasal, rectal swabs or blood as measured by RT-qPCR after challenge.

dpi		Cynomolgus macaques										Rhesus macaques											
		A1	A2	A3	A4	A5	A6	A7	A8	A9	B1	B2	C1	C2	C3	C4	D1	D2	E1	E2	E3	F1	F2
0	Oral <sup>3</sup>	ND <sup>1</sup>	ND	ND	ND	ND	ND	ND	ND	ND	-	-	ND	ND	ND	ND	ND	ND	-	-	-	-	-
	Nasal <sup>3</sup>	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	-	ND	ND	ND	ND	ND	ND	-	-	-	-	-
	Rectal <sup>3</sup>	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	-	ND	ND	ND	ND	ND	ND	-	-	-	-	-
	Blood <sup>4</sup>	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	-	-	-	-	-	-	-	-	-	-	-	-
3	Oral	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	3.20 x 10 <sup>1</sup>	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	-
	Nasal	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	-
	Rectal	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	-
	Blood	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	-	ND	ND	ND	ND	-	ND	ND	ND	ND	ND	-
7	Oral	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.42 x 10 <sup>2</sup>	8.21 x 10 <sup>3</sup>	ND	4.40 x 10 <sup>1</sup>	ND	-	9.00 x 10 <sup>0</sup>	ND	ND	ND	1.22 x 10 <sup>2</sup>	
	Nasal	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	3.50 x 10 <sup>1</sup>	1.39 x 10 <sup>4</sup>	ND	-	ND	5.56 x 10 <sup>3</sup>	2.57 x 10 <sup>2</sup>	ND	ND	ND	1.07 x 10 <sup>2</sup>	
	Rectal	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	1.85 x 10 <sup>2</sup>	ND	5.50 x 10 <sup>1</sup>	ND	7.52 x 10 <sup>2</sup>	1.80 x 10 <sup>1</sup>	ND	ND	ND	8.20 x 10 <sup>1</sup>	
	Blood	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.52 x 10 <sup>6</sup>	4.28 x 10 <sup>8</sup>	ND	2.16 x 10 <sup>8</sup>	ND	1.00 x 10 <sup>7</sup>	4.40 x 10 <sup>8</sup>	ND	ND	ND	3.78 x 10 <sup>7</sup>	
8	Oral	ND	ND	ND	ND	ND	ND	ND	ND	ND			ND	ND	ND	ND			ND	ND	ND	ND	ND
	Nasal	ND	ND	ND	ND	ND	ND	ND	ND	ND			ND	ND	ND	ND			ND	ND	ND	ND	ND
	Rectal	ND	ND	ND	ND	ND	ND	ND	ND	ND			ND	ND	ND	ND			ND	ND	ND	ND	ND
	Blood	ND	ND	ND	ND	ND	ND	ND	ND	ND			ND	ND	ND	ND			ND	ND	ND	1.25 x 10 <sup>6</sup>	ND
9	Oral	ND	ND	ND	ND	ND	ND	ND	ND	ND			1.93 x 10 <sup>3</sup>	ND	ND	ND			ND	ND	ND	ND	ND
	Nasal	ND	ND	ND	ND	ND	ND	ND	ND	ND			2.58 x 10 <sup>2</sup>	ND	ND	ND			ND	ND	ND	ND	ND
	Rectal	ND	ND	ND	ND	ND	ND	ND	ND	ND			4.87 x 10 <sup>2</sup>	ND	ND	ND			ND	ND	ND	ND	ND
	Blood	ND	ND	ND	ND	ND	ND	ND	ND	ND			-	ND	ND	ND			ND	ND	ND	1.03 x 10 <sup>7</sup>	ND
11	Oral	ND	ND	ND	ND	ND	ND	ND	ND	ND			ND	ND	ND	ND			ND	ND	ND	ND	ND
	Nasal	ND	ND	ND	ND	ND	ND	ND	ND	ND			ND	ND	ND	ND			ND	ND	ND	ND	ND
	Rectal	ND	ND	ND	ND	ND	ND	ND	ND	ND			ND	ND	ND	ND			ND	ND	ND	ND	ND
	Blood	ND	ND	2.36 x 10 <sup>4</sup>	8.36 x 10 <sup>5</sup>	ND	ND	ND	ND	ND	ND			ND	ND	ND	ND			8.72 x 10 <sup>5</sup>	ND	ND	ND
13	Oral	ND	ND	ND	ND	ND	ND	ND	ND	ND			ND	ND	ND	ND			ND	ND	ND	ND	ND
	Nasal	ND	ND	ND	ND	ND	ND	ND	ND	ND			ND	ND	ND	ND			ND	ND	ND	ND	ND
	Rectal	ND	ND	ND	ND	ND	ND	ND	ND	ND			ND	ND	ND	ND			ND	ND	ND	ND	ND
	Blood	ND	ND	3.04 x 10 <sup>4</sup>	ND	ND	ND	ND	1.96 x 10 <sup>5</sup>	ND			ND	ND	ND	ND			ND	ND	ND	ND	ND
14	Oral	-	-	-	-	-	-	-	-	-			-	-	-	-			-	-	-	-	-
	Nasal	-	-	-	-	-	-	-	-	-			-	-	-	-			-	-	-	-	-
	Rectal	-	1.20 x 10 <sup>2</sup>	-	-	-	-	-	-	-			-	-	-	-			1.60 x 10 <sup>1</sup>	-	-	-	-
	Blood	-	-	-	-	-	-	-	-	-			-	-	-	-			1.28 x 10 <sup>2</sup>	-	-	-	-
17	Oral	ND	ND	ND	ND	ND	ND	ND	ND	ND			ND	ND	ND	ND			-	ND	ND	ND	ND
	Nasal	ND	ND	ND	ND	ND	ND	ND	ND	ND			ND	ND	ND	ND			3.14 x 10 <sup>4</sup>	ND	ND	ND	ND
	Rectal	ND	ND	ND	ND	ND	ND	ND	ND	ND			ND	ND	ND	ND			-	ND	ND	ND	ND
	Blood	ND	ND	3.04 x 10 <sup>4</sup>	ND	ND	ND	ND	1.96 x 10 <sup>5</sup>	ND			ND	ND	ND	ND			2.14 x 10 <sup>6</sup>	ND	ND	ND	ND
21	Oral	4.00 x 10 <sup>0</sup>	-	-	-	-	-	-	-	-			-	-	-	-			-	ND	ND	ND	ND
	Nasal	1.70 x 10 <sup>1</sup>	-	-	8.00 x 10 <sup>0</sup>	4.00 x 10 <sup>0</sup>	-	-	-	-			-	-	-	-			-	ND	ND	ND	ND
	Rectal	-	6.00 x 10 <sup>0</sup>	-	-	1.50 x 10 <sup>1</sup>	-	-	-	-			-	-	-	-			-	ND	ND	ND	ND
	Blood	-	-	-	1.10 x 10 <sup>1</sup>	-	-	-	-	-			-	-	-	-			-	ND	ND	ND	ND
28	Oral	-	9.00 x 10 <sup>0</sup>	-	-	-	-	-	-	-			-	-	-	-			-	-	-	-	-
	Nasal	-	-	-	-	-	-	-	-	-			-	-	-	-			-	-	-	-	-
	Rectal	-	3.70 x 10 <sup>1</sup>	-	-	9.00 x 10 <sup>0</sup>	-	-	-	-			-	-	-	-			-	-	-	-	-
	Blood	-	-	-	2.42 x 10 <sup>1</sup>	-	-	-	-	-			-	-	-	-			-	-	-	-	-

<sup>1</sup> ND (not determined)

<sup>2</sup> - (No virus detected)

<sup>3</sup> Oral, Nasal and Rectal swabs Genome Equivalents (GEQ)/Assay

<sup>4</sup> GEQ/ml