

Article

Detection of yellow fever virus in sylvatic mosquitoes during disease outbreaks of 2017–2018 in Minas Gerais State, Brazil

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Supplementary Materials

Table S1. Standard curve values

Standard curve	Ct value	Concentration	Ct Mean	Concentration Mean
YFV 10 ⁷	12.02	1.16×10 ⁷	11.94	1.23×10 ⁷
YFV 10 ⁷	11.85	1.31×10 ⁷		
YFV 10 ⁶	15.52	9.11×10 ⁵	15.56	8.85×10 ⁵
YFV 10 ⁶	15.6	8.59×10 ⁵		
YFV10 ⁵	18.64	9.45×10 ⁴	18.68	9.19×10 ⁴
YFV 10 ⁵	18.72	8.92×10 ⁴		
YFV 10 ⁴	21.7	1.03×10 ⁴	21.74	1.00×10 ⁴
YFV 10 ⁴	21.77	9.74×10 ³		
YFV10 ³	25.04	9.07×10 ³	25.3	7.64×10 ²
YFV10 ³	25.56	6.22×10 ²		
YFV10 ²	28.03	1.04×10 ²	27.68	1.38×10 ²
YFV10 ²	27.33	1.72×10 ²		

Table S2. Viral quantification and Ct value of the YFV positive samples.

Sample	YFV quantification (RT-qPCR)	Ct value
<i>Hg. janthinomys</i> area 2	7.90 × 10 ⁷	18.40

<i>Hg. janthinomys</i> area 3	8.23 × 10 ⁷	18.34
<i>Hg. janthinomys</i> area 4 (1)	3.63 × 10 ⁸	16.16
<i>Hg. janthinomys</i> area 4 (2)	1.79 × 10 ⁸	17.25
<i>Hg. janthinomys</i> area 4 (3)	1.44 × 10 ⁷	20.90
<i>Hg. janthinomys</i> area 4 (4)	4.29 × 10 ⁷	19.32
<i>Hg. janthinomys</i> area 4 (5)	7.89 × 10 ⁷	18.40
<i>Hg. janthinomys</i> area 4 (6)	1.44 × 10 ⁹	14.13
<i>Hg. janthinomys</i> area 4 (7)	1.84 × 10 ⁸	17.16
<i>Hg. janthinomys</i> area 4 (8)	1.56 × 10 ⁸	17.41
<i>Hg. janthinomys</i> area 4 (9)	7.50 × 10 ⁷	18.48
<i>Hg. janthinomys</i> area 4 (10)	2.71 × 10 ⁷	20.05
<i>Hg. janthinomys</i> area 4 (11)	3.42 × 10 ⁷	19.64

Table S3. Viral quantification and Ct values obtained after viral isolation.

Sample	7 dpi		10 dpi	
	RT-qPCR	Ct value	RT-qPCR	Ct value
<i>Hg. janthinomys</i> area 2	1.46 × 10 ⁹	15.52	4.42 × 10 ⁹	14.01
<i>Hg. janthinomys</i> area 3	2.58 × 10 ⁸	17.91	1.42 × 10 ⁸	18.73
<i>Hg. janthinomys</i> area 4 (1)	9.51 × 10 ⁸	16.14	1.11 × 10 ¹⁰	12.73
<i>Hg. janthinomys</i> area 4 (2)	4.84 × 10 ⁸	17.05	4.90 × 10 ⁹	13.86
<i>Hg. janthinomys</i> area 4 (3)	5.68 × 10 ⁶	23.17	2.41 × 10 ⁹	14.83
<i>Hg. janthinomys</i> area 4 (4)	3.26 × 10 ⁸	17.59	4.71 × 10 ⁹	13.91
<i>Hg. janthinomys</i> area 4 (5)	2.95 × 10 ⁹	14.55	1.31 × 10 ¹⁰	12.50
<i>Hg. janthinomys</i> area 4 (6)	1.03 × 10 ⁹	16.00	3.12 × 10 ⁹	14.48
<i>Hg. janthinomys</i> area 4 (7)	3.66 × 10 ⁹	14.25	6.18 × 10 ⁹	13.53
<i>Hg. janthinomys</i> area 4 (8)	2.89 × 10 ⁹	14.59	7.46 × 10 ⁹	13.29
<i>Hg. janthinomys</i> area 4 (9)	2.17 × 10 ⁹	14.97	4.73 × 10 ⁹	13.90
<i>Hg. janthinomys</i> area 4 (10)	1.42 × 10 ⁸	18.73	9.88 × 10 ⁸	16.06
<i>Hg. janthinomys</i> area 4 (11)	6.80 × 10 ⁶	22.92	1.30 × 10 ⁷	22.03

