

## Supplementary Tables

**Table S1.** Summary of the primers used in this study.

Genes	Sequence (5'-3')	Size (bp)	References
Nested PAN-EEHV polymerase	Forward: ACAAACACGCTGTCRGTRTC <span style="border-bottom: 1px solid black;">YCCRTA</span>	500	Latimer, 2011
	Reverse: GTATTTGATTTYGCNAGYYTG-TAYCC		
	Forward: ACAAACACGCTGTCRGTRTC <span style="border-bottom: 1px solid black;">YCCRTA</span>	250	
	Reverse: TGYAAYGCCGTNTAYGGATTYAC- CGG		
EEHV1A Terminase	Forward: GTACGTCCTTTCTAGCTCAC Reverse: GTGTCGGCTAAATGTTCTTG	337	Richman, 1999
EEHV4 Terminase	Forward: GTGCTGTAGCGGATCATGTC Reverse: CGTGCAACACGAGCACGCAAAG	310	Garner, 2009

**Table S2.** Checkerboard titration of antigen and HRP-conjugated recombinant protein G. Bold numbers are indicative of the optimal concentrations for ELISA.

Antigens	Concentration of Antigens (µg/mL)	Dilution of HRP-Conjugated Recombinant Protein G		
		1:1000	1:1500	1:2500
EEHV-DNApol	30	3.125	3.068	2.992
	<b>15</b>	3.608	<b>3.5</b>	3.395
	7.5	3.318	3.318	3.096
	3.75	3.317	3.43	3.339

**Table S3.** Detection of EEHV antibodies using the EEHV-DNApol ELISA in various groups of elephant sera.

Group	Sample Amount	Seropositive Sample	OD <sub>450</sub> Range	average OD <sub>450</sub>	SD
A	14	0	0.565-1.756	1.038	0.368
B	4	0	0.759-1.436	0.996	0.301
C	150	21	0.086-3.456	1.340	0.639
D	7	0	0.124-2.121	0.556	0.714
<b>Total</b>	175	21			