

**Supplementary Table 1.**

Species	Category	Number	Origin, status and comment
Equine	Routine and export testing	469	Presumed largely Australian origin; infection-negative (by ELISA and VN serology).
	Field infection	16	Australian origin, infection positive (antibody and agent detection. Fifteen field samples from Colling et al., 2018: 1-4, 10(b), 12(b), 14(b), 16(b), 18(b), 20(b), 22(b), 25(c), 26(d), 28(b), 30(b) and one diagnostic submission from NSW in 2013.
	Vaccination	56	Presumed largely Australian origin, documented vaccination history and serology.
Canine	Routine and export testing	312	Australian and other country of origin; infection-negative (low probability of exposure and/or serology).
	Experimental infection	5	Reference – Middleton et al.2017
Feline	Routine and export testing	112	Australian and other country of origin; infection-negative (low probability of exposure and/or serology).
Pteropid	Field (Australian)	19	Geelong Botanic Garden, Victoria, Australia.
		81	Various from New South Wales, Australia
	Field (off-shore)	21	Diagnostic submissions sourced from the Laboratory of Veterinary, Food and Phytopathology, New Caledonia Likely exposure status inferred from history and/or serology. (Note – HeV does not occur in Geelong bats).

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Serum panels used in diagnostic evaluation of the HeV bELISAs

**Supplementary Table 2.**

Numbers of positive and negative animals tested, and individual and multiple species cut off values with respective estimates for Se and Sp.

	Cutoff (by species)		Number of positives (by species)		Number of negatives (by species)		Se (by species)		Sp (by species)		Cutoff (dog, horse, cat together)		Se (dog, horse, cat together)		Sp (dog, horse, cat together)	
	mAb 1.2	mAb 102.4	mAb 1.2	mAb 102.4	mAb 1.2	mAb 102.4	mAb 1.2	mAb 102.4	mAb 1.2	mAb 102.4	mAb 1.2	mAb 102.4	mAb 1.2	mAb 102.4	mAb 1.2	mAb 102.4
Dogs	49	38	5/5	5/5	312/312	312/312	100	100	100	100	33	49	100	100	98.72 308/312	100
Cats	41 <sup>1</sup>	38 <sup>1</sup>	0	0	150/151	151	ND <sup>3</sup>	ND <sup>3</sup>	99.3 (147/151)	97 (147/151)	33	49	ND <sup>3</sup>	ND <sup>3</sup>	99.3	98 (149/151)
Horses infected	33	38	16/16	16/16	469/469	469/469	100	100	100	100	33	49	100	100	100	100
Horses vaccinated	33	38	56/56	56/56	469/469	469/469	100	100	100	100	33	49	100	100	100	100
Dogs Horses Cats	NA <sup>2</sup>	NA <sup>2</sup>	77/77	77/77	927/932	930/932	100	100	99.5 (927/932)	99.8 930/932	33	49	100	100	99.5	99.8
Bats	27*	ND <sup>3</sup>	0	ND <sup>3</sup>	19/19	ND <sup>3</sup>	ND <sup>3</sup>	ND <sup>3</sup>	100	ND <sup>3</sup>	33	49	NA <sup>2</sup>	NA <sup>2</sup>	100	ND <sup>3</sup>

<sup>1</sup>Average of negative population plus 3 standard deviations

<sup>2</sup>Not available

<sup>3</sup>No data