

Table S1. Putatively exogenous viruses identified in WGS data

Vertebrate species ^a	Virus family/genus	Contig Accession #
dsDNA		
Bumblebee bat (<i>Craseonycteris thonglongyai</i>)	<i>Adenoviridae</i> *	PVKE010106839.1, PVKE010087958.1
Gracile opossum (<i>Gracilinanus agilis</i>)	<i>Adenoviridae</i> *	JADWME010000011.1
Viscacha rat (<i>Octomys mimax</i>)		NDGM010762229.1, NDGM010239277.1, NDGM010144971.1, NDGM010804184.1
Ord's kangaroo rat (<i>Dipodomys ordii</i>)	<i>Adenoviridae</i> *	n/a
Greater bamboo lemur (<i>Prolemur simus</i>)	<i>Papillomaviridae</i> *	MPIZ01127437.1
Humpbacked dolphin (<i>Sousa chinensis</i>)	<i>Papillomaviridae</i> *	QWLN01062956.1, QWLN01040988.1
Duck-billed platypus (<i>Ornithorhynchus anatinus</i>)	<i>Papillomaviridae</i>	n/a
Budgerigar (<i>Melopsittacus undulatus</i>)	<i>Herpesviridae</i>	JH541059
ssDNA		
David's myotis (<i>Myotis davidii</i>)	<i>Chaphamaparvovirus</i>	KB106247.1
White-faced capuchin (<i>Cebus imitator</i>)	<i>Chaphamaparvovirus</i>	KV391748.1
Brown mesite (<i>Mesitornis unicolor</i>)	<i>Chaphamaparvovirus</i>	n/a
Pit viper (<i>Protobothrops mucrosquamatus</i>)	<i>Chaphamaparvovirus</i>	n/a
David's myotis (<i>Myotis davidii</i>)	<i>Chaphamaparvovirus</i>	n/a
Canary (<i>Serinus canaria</i>)	<i>Chaphamaparvovirus</i>	n/a
Gulf pipefish	<i>Ichthamaparvovirus</i>	n/a
Senegalese bichir	<i>Protoparvovirus</i> -like	XM_039761881, XM_039762195
ssRNA+ve		
Vicugna pacos	<i>Hepacivirus</i>	ABRR02259018

Legend: ^a Common name (Latin binomial). * Previously unreported sequences, possibly derived from novel virus species. n/a = not available.