

Supplemental Table S1. Primers used in this study.

Genome / Gene Name	NCBI # GI #	Primer Name	Sequence (5'-3')	Product Size (bp)	Reference
Ribosomal protein L8 (<i>Apis m.</i>)	XM_393671.5 GI:571556074	Rpl8Fw Rpl8Rev	TGGATGTTCAACAGGGTTCATA CTGGTGGTGGACGTATTGATAA	121	Evans et al. (2006) Insect Mol Bio
Lake Sinai virus 1 (LSV1)	HQ871931 GI:335057596	qLSV1-F-2569 qLSV1-R-2743**	AGAGGTTGCACGGCAGCATG GGGACGCAGCACGATGCTCA	174	Runckel, Flenniken (2011) PLoS One
Lake Sinai virus 2 (LSV2)	HQ888865 GI:335057589	qLSV2-F-1722 qLSV2-R-1947**	CGTGCTGAGGCCACGGTTGT GCGGTGTCGATCTCGCGGAC	225	Runckel, Flenniken (2011) PLoS One
Black queen cell virus (BQCV)	AF183905 GI:8100530	qBQCVorf2F_6664 qBQCVorf2R_6805	TCCTCAAATCTGGAGCGAAC GTATTCGCTGGCCGTA AAC	141	Runckel, Flenniken (2011) PLoS One
Deformed wing virus (DWV)	AY292384.1 GI:31540603	DWVfw1165 DWVrev1338	CTTACTCTGCCGTCGCCCA CCGTTAGGAACTCATTATCGCG	173	Chen et al. (2005) J Invert Path
Kashmir bee virus (KBV)	NC_004807.1 GI:30793779	KBV_F_4470 KBV_R_4581	TCGACAAGGACATGATCGAG GAGCCACAATGGCTTCTTC	111	Stoltz et al. (1995) J Apicult Res
<i>Lotmaria passim / (Crithidia mellifica)</i>	PRJNA78249 AHIJ01002555 Contig 777	qCrFw1 qCrRev1	TCCACTCTGCAAACGATGAC GGGCCGAATGGAAAAGATAC	153	Runckel, Flenniken (2011) PLoS One
<i>P. larvae</i>	PRJNA30269	PL2-Fw PL2-Rev	CGGGAGACGCCAGGTTAG TTCTTCCTTGCAACAGAGC	380	Marinez et al 2010; Marinez et al 2011
<i>M. plutonius</i>	PRJDA73165	MelissoF MelissoR	CAGCTAGTCGGTTTGGTTCC TTGGCTGTAGATAGAATTGACAAT	796	Roetschi et al 2007; Roetschi et al 2008
<i>N. ceranae</i>	DQ673615.1 GI:110293152	N ceranae F-4186 N ceranae R-4435	CGGATAAAAGAGTCCGTTACC TGAGCAGGGTTCTAGGGAT	249	Chen et al. (2008) J Inv Path