Apidologie Supplementary Material (Table S1)

Pathogen prevalence and abundance in honey bee colonies involved in almond pollination

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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 (*Apis m.*)	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
Lake Sinai Virus 3 (LSV3)	JQ480620 GI:386289721	LSV3-F-2186 LSV3-R-2429	CGTGAGCACGATGAGTCAGT TGGAGGTGCTTGTTGCATAA	243	Daughenbaugh, et al. (2015) Viruses
Lake Sinai virus 4 (LSV4)	JX878492 GI:512134519	LSV4-F-1896 LSV4-R-2278	CCATCTCCTCATCCACGTTT GATTCCCAAATCAGGCTCAA	379	Daughenbaugh, et al. (2015) Viruses
Lake Sinai virus 5 (LSV5)	KC880124 GI:537367126	LSV5-F-2081 LSV5-R-2270	TCCGATACTCACGACGAACA GACACGCGTCAATATCATGG	190	Daughenbaugh, et al. (2015) Viruses
black queen cell virus (BQCV)	AF183905 GI:8100530	qBQCVorf2F_6664 qBQCVorf2R_6805	TCCTCAAATCTGGAGCGAAC GTATTCGCTGGCCGTAAAAC	141	Runckel, Flenniken (2011) PLoS One
deformed wing virus (DWV)	AY292384.1 GI:31540603	DWVfw1165 DWVrev1338	CTTACTCTGCCGTCGCCCA CCGTTAGGAACTCATTATCGCG	173	Chen et a. (2005) J Invert Path
sacbrood virus (SBV)	AF092924.1 GI:4416206	SBV_F2_5120 SBV_R2_5243	AATGTCACCCACGAGTGTTG GCGATGCAACCATACAACTG	123	Daughenbaugh, et al. (2015) Viruses
Crithidia mellificae* / *Lotmaria passim	PRJNA78249 AHIJ01002555 Contig 777	qCrFw1 qCrRev1	TCCACTCTGCAAACGATGAC GGGCCGAATGGAAAAGATAC	153	Runckel, Flenniken (2011) PLoS One
P. larvae	PRJNA30269	PL2-Fw PL2-Rev	CGGGAGACGCCAGGTTAG TTCTTCCTTGGCAACAGAGC	380	Marinez et al 2010; Marinez et al 2011
acute bee paralysis virus (ABPV)	NC_002548.1 GI:10314009	qABPV-F-5457 qABPV-R-5634	GGATGAGAGAAGACCAATTG CCAATCTTGGGAATAAACATTAGTTC	177	Highfield et al. (2009) Appl Environ Micro;
chronic bee paralysis virus (CBPV)	NC_010711.1 GI:188543025	CBPV-F_2580 CBPV-R_3034	AGTTGTCATGGTTAACAGGATACGAG TCTAATCTTAGCACGAAAGCCGAG	454	Ribiere et al. (2002) Apidologie
Israeli acute paralysis virus (IAPV)	NC_009025.1 GI:126010924	IAPV_F_7762 IAPV_R_7876	GCAGCTATTTTTGGCTGGTC CCAATGTACGCTCATATCG	114	Daughenbaugh, et al. (2015) Viruses
Kashmir bee virus (KBV)	NC_004807.1 GI:30793779	KBV_F_4470 KBV_R_4581	TCGACAAGGACATGATCGAG GAGCCACAAATGGCTTCTTC	111	Stoltz et al. (1995) J Apicult Res
Nosema spp.	DQ235446.1 GI:78100222	Nos pan rRNA F-322 Nos pan rRNA R-529	GGCAGTTATGGGAAGTAACA GGTCGTCACATTTCATCTCT	207	Chen et al. (2008) J Inv Path
N. ceranae	DQ673615.1 GI:110293152	N ceranae F-4186 N ceranae R-4435	CGGATAAAAGAGTCCGTTACC TGAGCAGGGTTCTAGGGAT	249	Chen et al. (2008) J Inv Path
M. plutonius	PRJDA73165	MelissoF MelissoR	CAGCTAGTCGGTTTGGTTCC TTGGCTGTAGATAGAATTGACAAT	796	Roetschi et al 2007; Roetschi et al 2008