

Tolerance of honey bees to *Varroa* mite in the absence of deformed wing virus

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Table S1. Collection information of honey bee and *Varroa* mite samples used in this study.

Date	Latitude	Longitude	Location	Province	Country	Species	RNAseq	RT-qPCR
May 2008	-6.084	145.386	Goroka	EHP	PNG	<i>V. jacobsoni</i>	yes	no
May 2008	-6.084	145.386	Goroka	EHP	PNG	<i>V. jacobsoni</i>	yes	no
May 2014	-5.935	143.279	Malke	Hela	PNG	<i>A. mellifera</i>	yes	yes
May 2014	-5.827	144.407	Minj	Jiwaka	PNG	<i>A. cerana</i>	no	yes
May 2014	-5.827	144.407	Minj	Jiwaka	PNG	<i>A. mellifera</i>	yes	yes
May 2014	-5.811	144.589	Banz	Jiwaka	PNG	<i>A. mellifera</i>	yes	yes
May 2014	-6.019	144.910	Donakana ge	Chimbu	PNG	<i>A. mellifera</i>	yes	yes
May 2014	-6.035	144.960	Mirane	Chimbu	PNG	<i>A. mellifera</i>	yes	yes
May 2014	-5.833	145.099	Kegeuglo	Chimbu	PNG	<i>A. mellifera</i>	yes	yes
May 2014	-6.100	145.133	Mangiro	Chimbu	PNG	<i>A. mellifera</i>	yes	yes
May 2014	-6.050	145.020	Ku	Chimbu	PNG	<i>A. mellifera</i>	yes	yes
May 2014	-5.991	145.378	Kabiufa	EHP	PNG	<i>A. mellifera</i>	yes	yes
May 2014	-6.073	145.395	Bena	EHP	PNG	<i>A. mellifera</i>	yes	yes
May 2014	-6.145	145.402	Kamaliky	EHP	PNG	<i>A. mellifera</i>	yes	yes
May 2014	-5.973	145.475	Komunive	EHP	PNG	<i>A. mellifera</i>	yes	yes
May 2014	-6.129	145.562	Amayufa	EHP	PNG	<i>A. mellifera</i>	yes	yes
May 2014	-6.429	145.674	Irafo	EHP	PNG	<i>A. mellifera</i>	yes	yes
Sep 2014	-10.457	161.918	Freshwinds	Makira	Solomon Islands	<i>A. cerana</i>	no	yes
Sep 2014	-10.436	161.802	Waimapuru	Makira	Solomon Islands	<i>A. cerana</i>	no	yes
Sep 2014	-10.411	161.758	Tawapuna	Makira	Solomon Islands	<i>A. cerana</i>	no	yes
Sep 2014	-10.463	161.867	Manchuki	Makira	Solomon Islands	<i>A. cerana</i>	no	yes
Sep 2014	-8.767	160.695	Auki	Malaita	Solomon Islands	<i>A. mellifera</i>	yes	yes

Sep 2014	-8.733	160.703	Aimela	Malaita	Solomon Islands	<i>A. mellifera</i>	yes	yes
Sep 2014	-8.704	160.683	Gwaunaru'u	Malaita	Solomon Islands	<i>A. mellifera</i>	yes	yes
Sep 2014	-8.590	160.685	Dala	Malaita	Solomon Islands	<i>A. mellifera</i>	yes	yes
Sep 2014	-8.767	160.663	Fiu	Malaita	Solomon Islands	<i>A. mellifera</i>	yes	yes
Sep 2014	-8.917	160.768	Arabala	Malaita	Solomon Islands	<i>A. mellifera</i>	yes	yes
Sep 2014	-8.917	160.768	Arabala	Malaita	Solomon Islands	<i>A. mellifera</i>	yes	yes
Sep 2014	-8.767	160.695	Betlem	Malaita	Solomon Islands	<i>A. mellifera</i>	yes	yes
Sep 2014	-8.959	160.772	Betlem	Malaita	Solomon Islands	<i>A. mellifera</i>	yes	yes
Nov 2015	-6.009	145.313	Asaro	EHP	PNG	<i>A. mellifera</i>	no	yes
Nov 2015	-5.962	145.260	Anegu	EHP	PNG	<i>A. mellifera</i>	no	yes
Nov 2015	-6.101	145.076	Ku	Chimbu	PNG	<i>A. mellifera</i>	no	yes
Nov 2015	-6.012	144.966	Kundiawa	Chimbu	PNG	<i>A. mellifera</i>	no	yes
Nov 2015	-6.035	144.960	Windy Lodge	Chimbu	PNG	<i>A. mellifera</i>	no	yes
Nov 2015	-5.922	144.849	Kenowagi	Chimbu	PNG	<i>A. mellifera</i>	no	yes
Nov 2015	-5.858	144.667	Minj	Jiwaka	PNG	<i>A. mellifera</i>	no	yes
Nov 2015	-5.793	144.627	Banz	Jiwaka	PNG	<i>A. mellifera</i>	no	yes
Nov 2015	-5.678	144.399	Penga	Western Highlands	PNG	<i>A. mellifera</i>	no	yes
Nov 2015	-5.860	144.219	Mt Hagen	Western Highlands	PNG	<i>A. mellifera</i>	no	yes
Nov 2015	-5.515	144.149	Baiyer Valley	Western Highlands	PNG	<i>A. mellifera</i>	no	yes
Nov 2015	-6.336	145.885	Aiyura	EHP	PNG	<i>A. cerana</i>	no	yes
Nov 2015	-6.012	145.325	Asaro	EHP	PNG	<i>A. cerana</i>	no	yes
Nov 2015	-5.858	144.667	Minj	Jiwaka	PNG	<i>A. cerana</i>	no	yes
Nov 2015	-5.793	144.627	Banz	Jiwaka	PNG	<i>A. cerana</i>	no	yes
Nov 2015	-5.835	144.509	Kudjip	Jiwaka	PNG	<i>A. cerana</i>	no	yes
Nov 2015	-5.516	144.150	Baiyer Valley	Western Highlands	PNG	<i>A. cerana</i>	no	yes
May 2018	-6.062	145.399	Goroka	EHP	PNG	<i>A. cerana</i>	yes	yes
May 2018	-6.157	145.365	Oiafaiyufa	EHP	PNG	<i>A. mellifera</i>	yes	yes
May 2018	-6.254	145.435	Kemasi	EHP	PNG	<i>A. mellifera</i>	yes	yes
May 2018	-6.248	145.434	Kemasi	EHP	PNG	<i>A. mellifera</i>	yes	yes

May 2018	-6.101	145.389	Goroka	EHP	PNG	<i>A. mellifera</i>	yes	yes
Oct 2018	-6.254	145.435	Kemasi	EHP	PNG	<i>A. mellifera</i>	yes	yes
Oct 2018	-6.248	145.434	Kemasi	EHP	PNG	<i>A. mellifera</i>	yes	yes
Oct 2018	-6.184	145.425	Bena	EHP	PNG	<i>A. mellifera</i>	yes	yes
Oct 2018	-6.019	145.291	Asaro	EHP	PNG	<i>A. mellifera</i>	yes	yes
Oct 2018	-6.062	145.399	Goroka	EHP	PNG	<i>A. cerana</i>	yes	yes
Oct 2018	-6.062	145.399	Goroka	EHP	PNG	<i>A. mellifera</i>	yes	yes
Oct 2018	-6.062	145.399	Goroka	EHP	PNG	<i>A. cerana</i>	yes	yes
Oct 2018	-6.128	145.429	Bena	EHP	PNG	<i>A. mellifera</i>	yes	yes
Oct 2018	-6.086	145.397	Goroka	EHP	PNG	<i>A. mellifera</i>	yes	yes
Oct 2018	-6.020	144.970	Mirane	Chimbu	PNG	<i>A. mellifera</i>	yes	yes
Oct 2018	-6.020	144.970	Mirane	Chimbu	PNG	<i>A. mellifera</i>	yes	yes
Oct 2018	-6.050	145.020	Ku	Chimbu	PNG	<i>A. mellifera</i>	yes	yes
Oct 2018	-6.118	145.131	Chuave	Chimbu	PNG	<i>A. cerana</i>	yes	yes