

Table S1. Specimens of *Vespula germanica* collected in South Africa and used in this study for the recovery of mitogenomes and Sanger sequencing of informative regions. Nest – Colony identifier. New – nest haplotyped in this study; Both studies – nests haplotypes in this study and in Eloff et al. 2020 [9].

Specimen	Nest	Collection date	Collection site	Latitude	Longitude	New/Both studies	Region sequenced	Haplotype
VG35	142	04-Feb-21	Bergvliet	-34.054	18.4532	New	VG1+VG6	Hap1
46A	46	14-Jun-17	Blauwklippen River	-34.005	18.8873	Both studies	Ves1	Hap1
51A	51	15-Mar-18	Blauwklippen River	-33.991	18.8714	Both studies	Ves1	Hap1
52A	52	14-Jun-17	Blauwklippen River	-33.993	18.8782	Both studies	Ves1	Hap1
VG16	120	10-Mar-16	Brede River Worcester	-33.769	19.5175	Both studies	VG1+VG2+VG3+VG5+VG6	Hap1
VG15	115	17-Apr-18	Ceres	-33.378	19.3075	New	VG1+VG2+VG3+VG5+VG6	Hap1
118A	118	11-May-17	Ceres	-33.377	19.3055	Both studies	Ves1	Hap1
119A	119	11-May-17	Ceres	-33.38	19.3046	Both studies	Ves1	Hap1
VG34	141	19-Jun	Clovelly	-34.126	18.4323	New	VG1+VG6	Hap2
4A	4	05-Jun-18	Constantia	-34.021	18.4265	New	Ves1	Hap2
VG26	9	02-Feb-19	Constantia	-34.01	18.4383	New	VG1+VG6	Hap2
VG27	21	19-Mar	Constantia	-34.011	18.4179	New	VG1+VG6	Hap2
13A	13	02-Feb-19	Constantia Heights	-34.007	18.4439	New	Ves1	Hap2
20A	20	19-Mar	Constantia Heights	-34.001	18.4272	New	Ves1	Hap2
VG03	11	28-Feb-19	Constantia north	-34.004	18.437	New	Complete mitogenome	Hap1
VG01	8	02-Feb-19	Constantia South	-34.02	18.4402	New	VG1+VG2+VG3+VG5+VG6	Hap2
VG17	130	2014	Devon Valley	-33.917	18.8166	New	VG1+VG2+VG3+VG5+VG6	Hap1
VG13	112	2014	Durr Farm	-33.782	19.0013	Both studies	VG1+VG2+VG3+VG5+VG6	Hap1
VG18	131	2014	EastHill farm	-33.82	18.8407	Both studies	VG1+VG2+VG3+VG5+VG6	Hap1
131A	131	2014	EastHill farm	-33.82	18.8407	Both studies	Ves1	Hap1
105A	105	05-Apr-18	Franschhoek	-33.94	19.1091	New	Ves1	Hap1
VG08	106	05-Apr-18	Franschhoek	-33.92	19.1363	New	VG1+VG2+VG3+VG5+VG6	Hap1
108A	108	21-Apr-17	Franschhoek	-33.923	19.1195	Both studies	Ves1	Hap1
200A	200	2014	Franschhoek	-33.923	19.1186	Both studies	Ves1	Hap1

140A	140	01-Feb-20	Glencairn	-34.154	18.4176	New	Ves1	Hap2
135A	135	19-Mar-19	Grabouw	-34.154	19.0265	New	Ves1	Hap1
136A	136	19-Mar-19	Grabouw	-34.154	19.0275	New	Ves1	Hap1
VG06	10	01-Apr-16	Hout Bay	-34.013	18.3639	Both studies	Complete mitogenome	Hap2
12A	10	01-Apr-16	Hout Bay	-34.013	18.3639	Both studies	Ves1	Hap2
VG25	12	09-May-16	Kirstenbosch North	-33.995	18.4189	New	VG1+VG6	Hap2
84A	84	12-Mar-18	Jonkershoek	-33.957	18.9165	Both studies	Ves1	Hap1
VG31	85	15-Mar-18	Jonkershoek	-33.967	18.924	New	VG1+VG6	Hap1
VG32	87	13-May-16	Jonkershoek	-33.961	18.9228	Both studies	VG1+VG6	Hap1
87A	87	13-May-16	Jonkershoek	-33.961	18.9228	Both studies	Ves1	Hap1
VG33	88	04-Jun-18	Jonkershoek	-33.96	18.9138	New	VG1+VG6	Hap1
VG12	90	06-Apr-17	Jonkershoek	-33.969	18.931	New	VG1+VG2+VG3+VG5+VG6	Hap2
3A	3	20-Apr-18	Kirstenbosch	-33.988	18.4342	New	Ves1	Hap2
VG10	18	2014	Kirstenbosch	-33.992	18.4288	Both studies	VG1+VG2+VG3+VG5+VG6	Hap1
19A	19	03-Apr-19	Kirstenbosch	-33.981	18.438	New	Ves1	Hap2
VG02	17	28-Feb-19	Kirstenbosch West	-33.997	18.4265	New	VG1+VG2+VG3+VG5+VG6	Hap1
125A	125	18-May-16	Klapmuts	-33.828	18.9253	Both studies	Ves1	Hap1
126A	126	18-May-16	Klapmuts	-33.828	18.9235	Both studies	Ves1	Hap1
121A	121	07-Feb-18	Kleinmond	-34.336	19.0263	Both studies	Ves1	Hap1
122A	122	07-Feb-18	Kleinmond	-34.34	19.0192	Both studies	Ves1	Hap1
94A	94	05-Jun-17	Kylemore	-33.913	18.9471	Both studies	Ves1	Hap1
95A	95	25-May-17	Kylemore	-33.924	18.9328	Both studies	Ves1	Hap1
97A	97	25-May-17	Kylemore	-33.919	18.9504	Both studies	Ves1	Hap1
100A	100	30-Mar-17	Kylemore	-33.908	18.9409	Both studies	Ves1	Hap1
VG05	25	23-May-18	Lourensford (SW)	-34.045	18.9162	New	VG1+VG2+VG3+VG5+VG6	Hap1
32A	32	11-May-16	Lourensford (SW)	-34.045	18.9187	Both studies	Ves1	Hap1
33A	33	11-May-16	Lourensford (SW)	-34.052	18.9084	Both studies	Ves1	Hap1
40A	40	20-Mar-19	Lourensford (SW)	-34.032	18.9254	New	Ves1	Hap1
137A	137	17-Apr-19	Raithby	-34.017	18.8324	New	Ves1	Hap1
22A	22	19-Mar	Rondebosch	-33.973	18.4635	New	Ves1	Hap2

93A	93	08-Mar-16	Rustenberg Ida's Valley	-33.899	18.9023	Both studies	Ves1	Hap1
101A	101	06-Apr-16	Rustenberg Ida's Valley	-33.914	18.8838	Both studies	Ves1	Hap1
57A	57	10-Mar-16	Stellenbosch Boord	-33.943	18.8496	Both studies	Ves1	Hap1
VG30	80	19-Apr	Stellenbosch central	-33.936	18.855	New	VG1+VG6	Hap1
55A	55	18-Aug-16	Stellenbosch Coetzenburg	-33.945	18.8696	Both studies	Ves1	Hap1
VG28	56	2016	Stellenbosch Coetzenburg	-33.943	18.8697	New	VG1+VG6	Hap2
VG11	61	16-Apr	Stellenbosch Coetzenburg	-33.947	18.8725	New	VG1+VG2+VG3+VG5+VG6	Hap2
74A	74	18-Aug-16	Stellenbosch Coetzenburg	-33.946	18.8714	Both studies	Ves1	Hap1
VG04	71	27-Mar-18	Stellenbosch OPB	-33.943	18.834	New	VG1+VG2+VG3+VG5+VG6	Hap1
59A	59	05-Apr-16	Stellenbosch Uniepark	-33.94	18.8887	Both studies	Ves1	Hap1
VG29	65	22-Mar-16	Stellenbosch Uniepark	-33.94	18.8889	New	VG1+VG6	Hap1
68A	68	05-Apr-16	Stellenbosch Uniepark	-33.942	18.8702	Both studies	Ves1	Hap1
127A	127	07-Jun-18	Tygerberg	-33.835	18.6271	New	Ves1	Hap1
132A	132	19-Mar	Tygerberg	-33.866	18.614	New	Ves1	Hap1
VG14	113	2014	Upland organic wine farm	-33.668	19.0421	Both studies	VG1+VG2+VG3+VG5+VG6	Hap1
VG07	35	30-May-18	Vergelegen (SW)	-34.078	18.8916	New	VG1+VG2+VG3+VG5+VG6	Hap1
72A	72	19-May-17	Vredenburg Eerste River	-33.958	18.8273	Both studies	Ves1	Hap2
VG09	110	16-Mar	Wellington	-33.642	19.0238	Both studies	VG1+VG2+VG3+VG5+VG6	Hap1
110A	110	10-Apr-16	Wellington	-33.642	19.0238	Both studies	Ves1	Hap1
111A	111	10-Apr-16	Wellington	-33.642	19.0238	Both studies	Ves1	Hap1
103A	103	20-Jun-18	Wemmershoek	-33.894	19.0157	New	Ves1	Hap1
117A	117	17-Apr-18	Wolsely	-33.423	19.2649	New	Ves1	Hap1
VG19	ARG1	2015	Argentina	n.a.	n.a.	New	Complete mitogenome	n.a.
VG20	NZ1	2015	New Zealand	n.a.	n.a.	New	Complete mitogenome	n.a.