

Table S1: NCBI reference sequences of three mtDNA loci used in this study to conduct phylogenetic analyses.

N	Gene	NCBI Accession	Listed species or subspecies	Known mtDNA lineage	Haplotype
1	Cyt b	FJ229480	<i>Apis cerana</i>	-	-
2	Cyt b	MT572360	<i>Apis m. adansonii</i>	A	-
3	Cyt b	MT572352	<i>Apis m. anatoliaca</i>	C/O	-
4	Cyt b	EF184047	<i>Apis m. carnica</i>	C	-
5	Cyt b	EF184048	<i>Apis m. carnica</i>	C	-
6	Cyt b	MT572351	<i>Apis m. carnica</i>	C	-
7	Cyt b	EF184050	<i>Apis m. caucasica</i>	C/O	-
8	Cyt b	EF184051	<i>Apis m. caucasica</i>	C/O	-
9	Cyt b	EF184052	<i>Apis m. caucasica</i>	C/O	-
10	Cyt b	EF184054	<i>Apis m. cypria</i>	C	-
11	Cyt b	EF184020	<i>Apis m. intermissa</i>	A	-
12	Cyt b	EF184021	<i>Apis m. intermissa</i>	A	-
13	Cyt b	EF184022	<i>Apis m. intermissa</i>	A	-
14	Cyt b	MT572347	<i>Apis m. lamarckii</i>	A	-
15	Cyt b	EF184043	<i>Apis m. ligustica</i>	C	-
16	Cyt b	MT572354	<i>Apis m. ligustica</i>	C	-
17	Cyt b	MT572350	<i>Apis m. meda</i>	C/O	-
18	Cyt b	MT572359	<i>Apis m. monticola</i>	A	-
19	Cyt b	MT572357	<i>Apis m. rutneri</i>	A	-
20	Cyt b	MT572353	<i>Apis m. sahariensis</i>	A	-
21	Cyt b	EF184027	<i>Apis m. scutellata</i>	A	-
22	Cyt b	EF184028	<i>Apis m. scutellata</i>	A	-
23	Cyt b	MT572358	<i>Apis m. scutellata</i>	A	-
24	Cyt b	MT572355	<i>Apis m. simensis</i>	A	-
25	Cyt b	EF184033	<i>Apis m. iberiensis</i>	M	-
26	Cyt b	MT572349	<i>Apis m. iberiensis</i>	M	-
27	Cyt b	EF184062	<i>Apis m. lamarckii</i>	A	-
28	Cyt b	EF184063	<i>Apis m. lamarckii</i>	A	-
29	Cyt b	MT572356	<i>Apis m. litorea</i>	A	-
30	Cyt b	EF184055	<i>Apis m. mellifera</i>	M	-
31	Cyt b	MT572348	<i>Apis m. mellifera</i>	M	-
32	Cyt b	EF184060	<i>Apis m. syriaca</i>	A	-
33	Cyt b	EF184061	<i>Apis m. syriaca</i>	A	-
34	Cyt b	MT572346	<i>Apis m. syriaca</i>	A	-
35	COI	OQ248419	<i>Apis m. jemenitica</i>	A	-
36	COI	AY114452	<i>Apis m. ligustica</i>	C	-
37	COI	AY114454	<i>Apis m. ligustica</i>	C	-
38	COI	AY114461	<i>Apis m. carnica</i>	C	-

39	COI	AY114456	<i>Apis m. ligustica</i>	C	-
40	COI	AY114479	<i>Apis m. iberiensis</i>	M	-
41	COI	AY114478	<i>Apis m. iberiensis</i>	M	-
42	COI	GU979501	<i>Apis m. ligustica</i>	C	-
43	COI	GU979500	<i>Apis m. caucasica</i>	C/O	-
45	COI	GU979499	<i>Apis m. carnica</i>	C	-
46	COI	MF100920	<i>Apis m. carpatica</i>	C	-
47	COI	MF100911	<i>Apis m. carpatica</i>	C	-
48	COI	MF100910	<i>Apis m. carpatica</i>	C	-
49	COI	AY114469	<i>Apis m. anatoliaca</i>	C/O	-
50	COI	AY114471	<i>Apis m. anatoliaca</i>	C/O	-
51	COI	AY114473	<i>Apis m. macedonica</i>	C	-
52	COI	AY114474	<i>Apis m. macedonica</i>	C	-
53	COI	AY114465	Buckfast Hybrid	C	-
54	COI	AY114476	<i>Apis m. adami</i>	A	-
55	COI	AY114477	<i>Apis m. adami</i>	A	-
56	COI	AY114463	<i>Apis m. carnica</i>	C	-
57	COI	AY114464	<i>Apis m. carnica</i>	C	-
58	COI	AY114466	<i>Apis m. caucasica</i>	C/O	-
59	COI	AY114467	<i>Apis m. caucasica</i>	C/O	-
60	COI-COII	OM219614	<i>Apis m. mellifera</i>	M	M1-825-5-USA
61	COI-COII	OM219616	<i>Apis m. mellifera</i>	M	M1-825-5-USA
62	COI-COII	KX463897	<i>Apis m. iberiensis</i>	M	M4p
63	COI-COII	KX463898	<i>Apis m. iberiensis</i>	M	M17i
64	COI-COII	MF428428	<i>Apis m. mellifera</i>	M	M8
65	COI-COII	KF274636	<i>Apis m. mellifera</i>	M	M4m
66	COI-COII	KF274634	<i>Apis m. mellifera</i>	M	M4k
67	COI-COII	KC149985	<i>Apis m. jemenitica</i>	A	KSA45
68	COI-COII	KC149983	<i>Apis m. jemenitica</i>	A	KSA4e
69	COI-COII	KC149988	<i>Apis m. jemenitica</i>	A	KSA6c
70	COI-COII	KC149987	<i>Apis m. jemenitica</i>	A	KSA6b
71	COI-COII	KC149984	<i>Apis m. jemenitica</i>	A	KSA4f
72	COI-COII	KC149989	<i>Apis m. jemenitica</i>	A	KSA6d
73	COI-COII	OM219608	African	A	A1-837-6-USA
74	COI-COII	OM219608	African	A	A1-837-6-USA
75	COI-COII	OM219611	African	A	A1-829-4-USA
76	COI-COII	OM994512	<i>Apis m. intermissa</i>	A	A12-828-3-DZA
77	COI-COII	OM994513	<i>Apis m. intermissa</i>	A	A6-828-2-DZA
78	COI-COII	OM994520	<i>Apis m. intermissa</i>	A	A9-828-2-DZA
79	COI-COII	OM994521	<i>Apis m. intermissa</i>	A	A9-828-2-DZA
80	COI-COII	OM107831	African	A	A4
81	COI-COII	OM107832	African	A	A4

82	COI-COI	OM219613	African	A	A3-830-4-USA
83	COI-COI	MW677211	African	A	A4p
84	COI-COI	OM107933	African	A	A4p
85	COI-COI	OM107934	African	A	A4p
86	COI-COI	OM107935	African	A	A4p
87	COI-COI	OM107936	African	A	A4p
88	COI-COI	OM107938	African	A	A4p
89	COI-COI	OM107937	African	A	A4p
90	COI-COI	FJ477987	<i>Apis m. scutellata</i>	A	A4
91	COI-COI	KX463840	<i>Apis m. intermissa</i>	A	A9q
92	COI-COI	KX463833	<i>Apis m. intermissa</i>	A	A9j
93	COI-COI	KX463835	<i>Apis m. intermissa</i>	A	A9l
94	COI-COI	FJ477999	<i>Apis m. jemenitica</i>	A	Y1b
95	COI-COI	FJ477998	<i>Apis m. jemenitica</i>	A	Y1a
96	COI-COI	FJ478002	<i>Apis m. jemenitica</i>	A	Y1c
97	COI-COI	FJ478000	<i>Apis m. jemenitica</i>	A	Y2a
98	COI-COI	FJ478003	<i>Apis m. jemenitica</i>	A	Y1d
99	COI-COI	FJ478001	<i>Apis m. jemenitica</i>	A	Y1b
100	COI-COI	KC149981	<i>Apis m. jemenitica</i>	A	KSA4c
101	COI-COI	HM236206	<i>Apis m. syriaca</i>	A	Z2
102	COI-COI	HM236210	<i>Apis m. syriaca</i>	A	Z8
103	COI-COI	KC149986	<i>Apis m. jemenitica</i>	A	KSA6a
104	COI-COI	KC149979	<i>Apis m. jemenitica</i>	A	KSA4a
105	COI-COI	KC149980	<i>Apis m. jemenitica</i>	A	KSA4b
106	COI-COI	KC149982	<i>Apis m. jemenitica</i>	A	KSA4d