

Table S1. Specimens sequenced for the genetic analyses with their geographic origins and specimens belonging to GenBank and BOLD Systems, which were used in phylogenetic. Numbers between parentheses refer to the number of sequenced *Bombus* specimens.

Species	Collection locality	Voucher	16S (245)	EF-1 α (254)	Opsin (240)	ArgK (238)	PEPCK (247)	CytB (80)	COI (185)	12S (18)	OBS
<i>B. (Alpigenobombus) breviceps</i> Smith, 1852	Chiang Mai, Thailand	190	DQ787983	DQ788165	DQ788320	DQ788408	EF050915		FJ175357		
<i>B. (Alpigenobombus) grahami</i> Frison, 1933	Meigu, Sichuan, China	273	EF032347	EF032371	EF032389	EF032408	EF050916		FJ175354		
<i>B. (Alpigenobombus) kashmirensis</i> Friese, 1909	Hongyuan, Sichuan, China	121	DQ788040	DQ788215	DQ788342	DQ788447	EF050913				
<i>B. (Alpigenobombus) nobilis</i> Friese, 1905	Qionglai Sh, Sichuan, China	98	DQ788071	DQ788245	AY739485	DQ788473	EF050912				
<i>B. (Alpigenobombus) wurflenii</i> Radoszkowski, 1860	Obergurgl, Austria	1	DQ788137	DQ788305	AF493007	AF492873	EF050914	AF066975	FJ175355		
<i>B. (Alpinobombus) alpinus</i> Linnaeus, 1758	Gurgltal, Austria	29	DQ787963	DQ788146	AY739452	DQ788393	EF050871		HQ948121		
<i>B. (Alpinobombus) balteatus</i> Dahlbom, 1832	Lappland Co., Sweden	39	DQ787974	DQ788157	AY739455	DQ788402	EF050870	AF066967	AY181097		
<i>B. (Alpinobombus) hyperboreus</i> Schönherr, 1809	Dalarna Co., Sweden	70	DQ788028	DQ788204	AY739470	DQ788440	EF050868	AF066968	AY181108		
<i>B. (Alpinobombus) kirbiellus</i> Curtis, 1835		3534					KT954154				
<i>B. (Alpinobombus) natoigi</i> Richards, 1931		B06					KP901106				
<i>B. (Alpinobombus) neoboreus</i> Sladen, 1919	Alaska, USA	188	DQ788068	DQ788242	AY739484	DQ788470	EF050869				
<i>B. (Alpinobombus) polaris</i> Curtis, 1835	Lappland Co., Sweden	223	DQ788083	AF492970	AF493037	AF492903	EF050872		AY181144		It is renamed to <i>B. pyrrhopygus</i>
<i>B. (Alpinobombus) pyrrhopygus</i> Friese, 1902		3832					KT954150				
<i>B. (Bombias) auricomus</i> Robertson, 1903	Illinois, USA	62	DQ787972	DQ788154	AY739454	AF492892	EF051014		KM585615		It is renamed to <i>B. nevadensis</i>
<i>B. (Bombias) confusus</i> Schenk, 1859	Dorres, France	83	DQ787992	DQ788173	DQ788324	DQ788414	EF051016		KJ838797		
<i>B. (Bombias) nevadensis</i> Cresson, 1874	Alberta, Canada	139	DQ788069	DQ788243	DQ788352	DQ788471	EF051015	AF077920	AF066990		
<i>B. (Bombus) affinis</i> Cresson, 1863	Illinois, USA	167	DQ787961	DQ788144	AY739451	DQ788391	EF050860		GU707738		
<i>B. (Bombus) cryptarum</i> (Fabricius, 1775)	Erzincan Prov., Turkey	127	DQ787995	DQ788175	AY739461	DQ788416	EF050855		JQ843418		
<i>B. (Bombus) franklini</i> (Frison, 1921)	Oregon, USA	256	EF032345	EF032366	EF032385	EF032403	EF050861		AY694097		
<i>B. (Bombus) hypocrita</i> Pérez, 1905	Kyushu, Japan	123	DQ788030	DQ788206	AF493023	AF492889	EF050864	JQ820710	JQ843426		
<i>B. (Bombus) ignitus</i> Smith, 1869	Beijing, China	96	DQ788031	DQ788207	AF493032	AF492898	EF050866	EU110100	JQ843438		
<i>B. (Bombus) jacobsoni</i> Skorikov, 1912		COI-5P5							BBBO397-11		It's the same the voucher JQ843439
<i>B. (Bombus) lantschouensis</i> Vogt, 1908		6873A01							JQ692953		

Species	Collection locality	Voucher	16S (245)	EF-1α (254)	Opsin (240)	ArgK (238)	PEPCK (247)	CytB (80)	COI (185)	12S (18)	OBS
<i>B. (Bombus) longipennis</i> Friese, 1918		1551							JQ843472		
<i>B. (Bombus) lucorum</i> (Linnaeus, 1761)	E. Pyrenees, France	217	DQ788051	DQ788225	AF493021	AF492887	EF050862	JQ820751	LN714024		
<i>B. (Bombus) lucorum</i> (Linnaeus, 1761)	Qionglai Sh, Sichuan, China	184	DQ788050	DQ788224	AY739479	DQ788456	EF050863	EF469487	AF279497		According to Paul Willians this species maybe is <i>B. longipennis</i> Friese, 1918.
<i>B. (Bombus) lucorum lucorum</i> (Linnaeus, 1761)		LucL24		JQ820938			JQ821143	JQ820735	JQ820532		
<i>B. (Bombus) lucorum renardi</i> (Linnaeus, 1761)		LucR18		JQ820956			JQ821161	JQ820753	JQ820550		
<i>B. (Bombus) magnus</i> Vogt, 1911		B08							AY181124		
<i>B. (Bombus) minshanensis</i> Bischoff, 1936		6873B05							JQ692961		
<i>B. (Bombus) moderatus</i> Cresson, 1863	Alberta, Canada	163	DQ788062	DQ788236	AY739481	DQ788464	EF050856		KR901669		It is renamed to <i>B. (Bombus) cryptarum moderatus</i> Cresson, 1863
	Montana, USA;New Mexico,										
<i>B. (Bombus) occidentalis</i> Greene, 1858	USA	26	DQ788074	DQ788248	AY739486	DQ788476	EF050858		JQ692962		
											According to Paul Willians this species maybe is <i>B. (Bombus) minshanensis</i> Bischoff, 1936.
<i>B. (Bombus) patagiatus</i> Nylander, 1848	Hongyuan, Sichuan, China	111	DQ788078	DQ788252	AF493020	AF492886	EF050857	EF469488	JQ843590		
<i>B. (Bombus) sporadicus</i> Nylander, 1848	Lappland Co., Sweden	193	DQ788108	DQ788279	AY739491	DQ788501	EF050867	JQ820819	JQ843602		
<i>B. (Bombus) terrestris</i> (Linnaeus, 1758)	San Quirico, Italy	3	DQ788118	DQ788288	AF493022	AF492888	EF050865	KP670308	JQ843670		
<i>B. (Bombus) terrestris xanthopus</i> Kriechbaumer, 1870		TerX19		JQ821081			JQ821284	JQ820876	JQ820674		
<i>B. (Bombus) terricola</i> Kirby, 1837	Ontario, Canada	205	DQ788119	DQ788289	AF493019	AF492885	EF050859		GU707716		
<i>B. (Bombus) tunicatus</i> Smith, 1852	Uttaranchal, India	248	DQ788124						JQ843676		
<i>B. (Cullumanobombus) cullumanus apollineus</i> Skorikov, 1910	Erzurum Prov., Turkey	84	DQ787964	DQ788147	DQ788313	DQ788394	EF050890				Synonymous of <i>B. cullumanus</i>
<i>B. (Cullumanobombus) baeri</i> Vachal, 1904	Puno, Peru	174	DQ787973	DQ788156	DQ788317	DQ788401	EF050886				
<i>B. (Cullumanobombus) brachycephalus</i> Handlirsch, 1888	Guerrero, Mexico	230	DQ787982	DQ788163	DQ788319	DQ788407	EF050889				
<i>B. (Cullumanobombus) coccineus</i> Friese, 1903	Huarochiri, Peru	137	DQ787991	DQ788172	DQ788323	DQ788413	EF050885				
<i>B. (Cullumanobombus) crotchii</i> Cresson, 1878	California, USA	71	DQ787994	AF492973	AF493040	AF492906	EF050882				
<i>B. (Cullumanobombus) cullumanus</i> (Kirby, 1802)		COI-5P4							BBWP490-10		Voucher 84
<i>B. (Cullumanobombus) ecuadorius</i> Meunier, 1890	Abancay, Peru	135	DQ788001	DQ788181	DQ788329	DQ788421	EF050874				

Species	Collection locality	Voucher	16S (245)	EF-1α (254)	Opsin (240)	ArgK (238)	PEPCK (247)	CytB (80)	COI (185)	12S (18)	OBS
<i>B. (Cullumanobombus) fraternus</i> (Smith, 1854)	Illinois, USA	183	DQ788013	AF492974	AF493041	AF492907	EF050884		KM585682		
<i>B. (Cullumanobombus) funebris</i> Smith, 1854	Abancay, Peru	128	DQ788016	DQ788194	DQ788334	DQ788433	EF050883	AF066974	KC853374		
<i>B. (Cullumanobombus) griseocollis</i> (DeGeer, 1773)	Illinois, USA	82	DQ788018	DQ788196	AF493039	AF492905	EF050879				
<i>B. (Cullumanobombus) handlirschi</i> Friese, 1903	Pasco, Peru	132	DQ788021	DQ788197	DQ788336	DQ788435	EF050887				
<i>B. (Cullumanobombus) hortulanus</i> Smith, 1904	Magdalena, Colombia	200	DQ788025	DQ788201	AY739468	DQ788438	EF050875				
<i>B. (Cullumanobombus) macgregori</i> Labougle & Ayala 1985	Guerrero, Mexico	231	DQ788053	DQ788226	DQ788347	DQ788457	EF050881				
<i>B. (Cullumanobombus) melaleucus</i> Handlirsch, 1888	Oxapampa, Peru	173	DQ787960	DQ788143	DQ788311	DQ788460	EF050876				
<i>B. (Cullumanobombus) morrisoni</i> Cresson, 1878	Utah, USA	196	DQ788065	DQ788240	DQ788350	DQ788468	EF050880				
<i>B. (Cullumanobombus) robustus</i> Smith, 1854	Boyacá, Colombia	50	DQ788093	DQ788266	DQ788366	EF032405	EF050877	AF066973	AF066986		
<i>B. (Cullumanobombus) rubicundus</i> Smith, 1854	Boyacá, Colombia	202	DQ788094	DQ788267	DQ788367	DQ788491	EF050888				
<i>B. (Cullumanobombus) rufocinctus</i> Cresson, 1863	Alberta, Canada	186	DQ788097	DQ788268	AF493034	AF492900	EF050892		KT706869		
<i>B. (Cullumanobombus) semenoviellus</i> Skorikov, 1910	Brandenburg, Germany	236	DQ788101	DQ788271	DQ788369	DQ788494	EF050891		KJ839366		
<i>B. (Cullumanobombus) tucumanus</i> Vachal, 1904	Tucumán, Argentina	276	EF032349	EF032367	EF032386	EF032404	EF050873				
<i>B. (Cullumanobombus) unicus</i> Morawitz, 1883		COI-5P3							BBBO198-10		
<i>B. (Cullumanobombus) vogti</i> Friese, 1903	Abancay, Peru	172	DQ788130	DQ788299	DQ788383	DQ788517	EF050878				
<i>B. (Cullumanobombus) volucelloides</i> Gribodo, 1892	San Jose, Costa Rica	122	DQ788131	AY267133	AY267149	AY267165					Synonymous of <i>B. melaleucus</i>
<i>B. (Kallobombus) soroensis</i> (Fabricius, 1777)	E. Pyrenees, France	136	DQ788107	DQ788278	AF493008	AF492874	EF051013		KJ839741		
<i>B. (Megabombus) argillaceus</i> (Scopoli, 1763)	Kayseri Prov., Turkey	58	DQ787967	DQ788150	AY739453	DQ788396	EF051001	AF066965	KP671609		
<i>B. (Megabombus) bicoloratus</i> Smith, 1879	Nantou, Taiwan	225	DQ787976	AF492971	AF493038	AF492904	EF051005		KP671641		
<i>B. (Megabombus) consobrinus</i> Dahlbom, 1832	Altai Mts, Kazakhstan	261	EF032354	EF032379	AY267150	AY267166	EF050994	EF469489	KT334303		
<i>B. (Megabombus) czerskii</i> Skorikov, 1910		CZ00024						EF469490	KJ734241		
<i>B. (Megabombus) diversus</i> Smith, 1869	Kyushu, Japan	120	DQ788000	AF492961	AF493028	AF492894	EF051010		KT334306		
<i>B. (Megabombus) gerstaeckeri</i> Morawitz, 1881	E. Pyrenees, France	65	DQ788017	DQ788195	DQ788335	DQ788434	EF051003		KT334300		
<i>B. (Megabombus) hortorum</i> (Linnaeus, 1761)	Toscana, Italy	5	DQ788024	DQ788200	AF492987	AF492853	EF050999	JQ820706	KP671630		
<i>B. (Megabombus) hortorum jonghei</i> (Linnaeus, 1761)		HorJ01		JQ820911			JQ821116	JQ820708	KF468689		
<i>B. (Megabombus) hortorum hortorum</i> (Linnaeus, 1761)		HorH01		JQ820909			JQ821114	JQ820706	JQ820505		
<i>B. (Megabombus) koreanus</i> (Skorikov, 1933)	Kangwondo, S. Korea	277	EF032355	AF492969	AF493036	AF492902	EF050995		KJ734250		

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<i>B. (Megabombus) bicoloratus kulingensis</i> Cockerell, 1917	Zhejiang Prov., China	97	DQ788042	DQ788217	DQ788343	DQ788449	EF051006		FJ175232		Synonymous of <i>B. bicoloratus</i>
<i>B. (Megabombus) longipes</i> Friese, 1905	Qionglai Sh, Sichuan, China	194	DQ788049	DQ788223	DQ788346	DQ788455	EF051009		KP671681		
<i>B. (Megabombus) portchinsky</i> Radoszkowski, 1883	Artvin Prov., Turkey	72	DQ788085	DQ788259	DQ788361	DQ788484	EF051000		KJ734252		
<i>B. (Megabombus) religiosus</i> (Frison, 1935)	Qionglai Sh, Sichuan, China	141	DQ788091	DQ788264	DQ788364	DQ788489	EF050998		KP671608		
<i>B. (Megabombus) ruderatus</i> (Fabricius, 1775)	Valdivia Prov., Chile	18	DQ788096	AF492977	AF493044	AF492910	EF051002	JQ820816	KP671610		
<i>B. (Megabombus) ruderatus ruderatus</i> (Fabricius, 1775)		RudR20		JQ821021			JQ821226	JQ820816	JQ820615		
<i>B. (Megabombus) ruderatus autumnalis</i> (Fabricius, 1775)		RudA05		JQ820982			JQ821187	JQ820777	JQ820576		
<i>B. (Megabombus) ruderatus corsicola</i> (Fabricius, 1775)		RudC19		JQ821001			JQ821206	JQ820796	JQ820595		
<i>B. (Megabombus) securus</i> (Frison, 1935)	Qionglai Sh, Sichuan, China	142	DQ788100	DQ788270	DQ788368	DQ788493	EF050997		KJ734256		
<i>B. (Megabombus) supremus</i> Morawitz, 1887	Qionglai Sh, Sichuan, China	101	DQ788112	DQ788284	DQ788375	DQ788505	EF051004		KP671604		
<i>B. (Megabombus) sushkini</i> s.l. (Skorikov, 1931)	Hongyuan, Sichuan, China	143	DQ788113	AF492921	AF492988	AF492854	EF050996		KT334302		Synonymous of <i>B. tichenkoi</i>
<i>B. (Megabombus) tichenkoi</i> (Skorikov, 1923)		J1		AF492922	AF492989	AF492855			AF279518		It is renamed to <i>B. (Megabombus)</i>
<i>B. (Megabombus) trifasciatus</i> Smith, 1852	Himachal Pradesh, India	15	DQ788122	AF492918	AF492985	AF492851	EF051007		FJ175236		<i>albopleuralis</i> Friese, 1916
<i>B. (Megabombus) ussurensis</i> Radoszkowski, 1877	S. Korea, Mulan Valley	130	AF364829	AF492919	AF492986	AF492852	EF051008		KP671675		
<i>B. (Megabombus) trifasciatus wilemani</i> Cockerell, 1911	Meifang, Taiwan	182	DQ788135								Synonymous of <i>B. trifasciatus</i>
<i>B. (Melanobombus) alagesianus</i> (Skorikov, 1923)	Artvin Prov., Turkey	85	DQ787962	DQ788145	DQ788312	DQ788392	EF050903	KC915396	KM458064		Synonymous of <i>B. keriensis</i>
<i>B. (Melanobombus) caucasicus</i> Radoszkowski, 1860		L084TR		KC916483	KC915984		KC916232	KC915481	KC915732		<i>B. lapidarius caucasicus</i>
<i>B. (Melanobombus) sichelii erzurumensis</i> Özbek, 1990	Artvin Prov., Turkey	126	DQ788003	DQ788183	AY739463	DQ788423	EF050899		KM458066		Synonymous of <i>B. sichelii</i>
<i>B. (Melanobombus) eximius</i> Smith, 1852	Alishan, Taiwan	49	DQ788005	DQ788186	AY739464	DQ788426	EF050911		GU085206		
<i>B. (Melanobombus) festivus</i> Smith, 1861	Qionglai Sh, Sichuan, China	104	DQ788007	DQ788187	AY739465	DQ788427	EF050910				
<i>B. (Melanobombus) formosellus</i> (Frison, 1934)		J2		AF492939	AF493006	AF492872			AF279522		Synonymous of <i>B. pyrosoma</i>
<i>B. (Melanobombus) friseanus</i> Skorikov, 1933	Qionglai Sh, Sichuan, China	105	DQ788015	DQ788193	AY739467	DQ788432	EF050906				
<i>B. (Melanobombus) incertus</i> Morawitz, 1881	Erzurum Prov., Turkey	86	DQ788035	DQ788211	DQ788341	DQ788443	EF050901	KC915397	KC915649		
<i>B. (Melanobombus) keriensis</i> s. l. Morawitz, 1887	Hongyuan, Sichuan, China	114	DQ788041	DQ788216	AY739474	DQ788448	EF050904				
<i>B. (Melanobombus) ladakhensis</i> Richards, 1928	Aba, Sichuan, China	158	DQ788043	AY739575	AY739475	DQ788450	EF050905				
<i>B. (Melanobombus) lapidarius</i> (Linnaeus, 1758)	San Quirico, Italy	6	DQ788045	DQ788219	AF493005	AF492871	EF050902	KC915637	KF936492		

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<i>B. (Melanobombus) miniatus</i> s. l. Bingham, 1897	Himachal Pradesh, India	244	DQ788059	DQ788233	DQ788348	DQ788462	EF050908				
<i>B. (Melanobombus) pyrosoma</i> Morawitz, 1890		B04	FJ159114					EF424427	DQ835585		
<i>B. (Melanobombus) rufofasciatus</i> s. l. Smith, 1852	Hongyuan, Sichuan, China	133	DQ788098	DQ788269	AY739489	DQ788492	EF050907				
<i>B. (Melanobombus) sichelii</i> Radoszkowski, 1860	Obergurgl, Austria	34	DQ788103	DQ788273	DQ788371	DQ788496	EF050900	KC915640	KJ839131		
<i>B. (Melanobombus) simillimus</i> Smith, 1852	Himachal Pradesh, India	243	DQ788104	DQ788274	DQ788372	DQ788497	EF050909				
<i>B. (Mendacibombus) avinoviellus</i> (Skorikov, 1914)	Himachal Pradesh, India	242	AY268416	DQ788155	AY268394	DQ788400	EF051020	AF181610			Mistake in table of Cameron et al. 2007
<i>B. (Mendacibombus) convexus</i> Wang, 1979	Qionglai Sh, Sichuan, China	109	DQ787993	DQ788174	DQ788325	DQ788415	EF051021				
<i>B. (Mendacibombus) defector</i> Skorikov, 1910		J3	KX452099	AF492958	AF493025	AF492891	KX452106		AF385807		
<i>B. (Mendacibombus) handlirschianus</i> Vogt, 1909	Artvin Prov., Turkey	87	DQ788022	DQ788198	DQ788337	DQ788436	EF051017				
<i>B. (Mendacibombus) margreiteri</i> Vogt, 1910		B01	KX452100				KX452107				
<i>B. (Mendacibombus) mendax</i> Gerstaecker, 1869	Gurgltal, Austria	19	DQ788057	AY739584	AF493024	AF492890	EF051019		HQ563801		
											It is renamed to <i>B. (Mendacibombus)</i>
											<i>handlirschianus shaposhnikov</i> Skorikov,
<i>B. (Mendacibombus) shaposhnikov</i> Skorikov, 1910	Artvin Prov., Turkey	99	DQ788102	DQ788272	DQ788370	DQ788495	EF051018	JQ820818	JQ820617		1910
<i>B. (Mendacibombus) superbus</i> (Tkalcu, 1968)		B02	KX452097		KX452101		KX452104				
<i>B. (Mendacibombus) turkestanicus</i> Skorikov, 1910		B03	KX452098		KX452102		KX452105				
<i>B. (Mendacibombus) waltoni</i> Cockerell, 1910	Qionglai Sh, Sichuan, China	102	DQ788134	DQ788302	DQ788385	DQ788519	EF051022		GU085207		
<i>B. (Orientalibombus) funerarius</i> Smith, 1852	Luojishan, Sichuan, Chin	270	EF032356	EF032378	EF032396	EF032415	EF051012		FJ175342		
<i>B. (Orientalibombus) haemorrhoidalis</i> Smith, 1852	Chiang Mai Prov., Thailand	191	DQ788020	AF492983	AF493050	AF492916	EF051011		KT334307		Mistake in table of Cameron et al. 2007
											Synonymous of <i>B. bohemicus</i> and
<i>B. (Psithyrus) bohemicus ashtoni</i> (Cresson, 1864)	Ottawa, Canada	164	DQ787969	AF492924	AF492991	AF492857	EF050978		FJ582103		mistake in table of Cameron et al. 2007
<i>B. (Psithyrus) barbutellus</i> (Kirby, 1802)	Uppland Co., Sweden	73	DQ787975	DQ788158	DQ788318	DQ788403	EF050972		KJ839426		
<i>B. (Psithyrus) bohemicus</i> Seidl, 1937	E. Pyrenees, France	55	DQ787980	AF492925	AF492992	AF492858	EF050979	JQ820705	KJ839694		
<i>B. (Psithyrus) campestris</i> (Panzer, 1801)	Dalarna Co., Sweden	40	DQ787986	AF492927	AF492994	AF492860	EF050974		HM401453		
<i>B. (Psithyrus) chinensis</i> (Morawitz, 1890)	Qionglai Sh, Sichuan, China	152	DQ787988	DQ788170	DQ788321	DQ788412	EF050982				
<i>B. (Psithyrus) citrinus</i> (Smith, 1854)	Virginia, USA	170	DQ787990	DQ788171	DQ788322	AY267169	EF050975		FJ582113		
<i>B. (Psithyrus) coreanus</i> (Yasumatsu, 1934)		J4	AF364830								

Species	Collection locality	Voucher	16S (245)	EF-1α (254)	Opsin (240)	ArgK (238)	PEPCK (247)	CytB (80)	COI (185)	12S (18)	OBS
<i>B. (Psithyrus) cornutus</i> (Frison, 1933)	Ningnan, Sichuan, China	271	EF032353	EF032377	EF032395	EF032413	EF050984				
<i>B. (Psithyrus) flavidus fernaldae</i> (Franklin, 1911)	New Mexico, USA	88	DQ788006	AF492926	AF492993	AF492859	EF050969		JX832855		Synonymous of <i>B. flavidus</i>
<i>B. (Psithyrus) flavidus</i> Eversmann, 1852	Lappland Co., Sweden	41	DQ788010	DQ788189	DQ788332	DQ788429	EF050970		AY181184		
<i>B. (Psithyrus) insularis</i> (Smith, 1861)	California, USA	162	DQ788038	AF492975	AF493042	AF492908	EF050976		FJ582127		
											It is renamed to <i>B. (Psithyrus)</i>
<i>B. (Psithyrus) maxillosus</i> Klug, 1817	Kayseri Prov., Turkey	74	DQ788054	DQ788227	AY739480	DQ788458	EF050973				<i>barbutellus maxillosus</i> Klug, 1817
<i>B. (Psithyrus) norvegicus</i> (Sparre-Schneider, 1918)	Dalarna Co., Sweden	89	DQ788072	DQ788246	DQ788354	DQ788474	EF050971	AF066964	KJ838809		
<i>B. (Psithyrus) quadricolor</i> (Lepeletier, 1832)	Uppland Co., Sweden	90	DQ788090	DQ788263	DQ788363	DQ788488	EF050966		HQ563809		
<i>B. (Psithyrus) rupestris</i> (Fabricius, 1793)	Uppland Co., Sweden	9	DQ788099	AF492928	AF492995	AF492861	EF050983		KJ839543		
<i>B. (Psithyrus) skorikovi</i> (Popov, 1927)	Aba, Sichuan, China	159	DQ788106	DQ788276	DQ788373	DQ788499	EF050968				
<i>B. (Psithyrus) suckleyi</i> Greene, 1860	Colorado, USA	91	DQ788110	DQ788282	DQ788374	DQ788503	EF050981				
<i>B. (Psithyrus) sylvestris</i> (Lepeletier, 1832)	Uppland Co., Sweden	20	DQ788115	DQ788286	DQ788377	DQ788507	EF050967	KT164644	KJ839213		
<i>B. (Psithyrus) tibetanus</i> (Morawitz, 1887)	Min Shan, Sichuan, China	134	DQ788120	DQ788290	DQ788378	DQ788509	EF050985				
<i>B. (Psithyrus) turneri</i> (Richards, 1929)		B09							GU085208		
<i>B. (Psithyrus) variabilis</i> (Cresson, 1872)	Missouri, USA	316	AY268419	DQ788295	AY268397	DQ788513	EF050977				Synonymous of <i>B. intrudens</i>
<i>B. (Psithyrus) vestalis</i> (Geoffroy, 1785)	Kent, England	169	DQ788128	DQ788297	AY739495	DQ788515	EF050980	JQ820905	KJ839596		
<i>B. (Psithyrus) vestalis perezii</i> (Schulthess-Rechberg, 1886)		Pere19		JQ820977			JQ821182	JQ820772	JQ820571		
<i>B. (Pyrobombus) jonellus alboanalis</i> Franklin, 1913	Alaska, USA	257	EF032343	EF032360	EF032380	EF032398	EF050813				Synonymous of <i>B. jonellus</i>
<i>B. (Pyrobombus) ardens</i> Smith, 1879	Dae-Dong, S. Korea	131	DQ787966	DQ788149	AF493031	AF492897	EF050823		FJ593628		
<i>B. (Pyrobombus) avanus</i> (Skorikov, 1938)	Luojishan, Sichuan, China	272	EF032344	EF032365	EF032384	EF032402	EF050830				
<i>B. (Pyrobombus) beaticola</i> (Tkalcu, 1968)		J5		AF492963	AF493030	AF492896			AF279532		
<i>B. (Pyrobombus) bifarius</i> Cresson, 1878	New Mexico, USA	208	DQ787977	DQ788160	AF493010	AF492876	EF050838	AF084910	AF084915		
<i>B. (Pyrobombus) bimaculatus</i> Cresson, 1863	Arkansas, USA	218	DQ787978	DQ788161	AY739456	DQ788405	EF050847		KM585629		
<i>B. (Pyrobombus) biroii</i> Vogt, 1911	Ketmen Mts., Kazakhstan	210	DQ787979	DQ788162	AY739457	DQ788406	EF050825				
<i>B. (Pyrobombus) brodmannicus</i> Vogt, 1909	Artvin Prov., Turkey	77	DQ787984	DQ788166	AY739458	DQ788409	EF050818		KP033346		
<i>B. (Pyrobombus) caliginosus</i> (Frison, 1927)	California, USA	150	DQ787985	DQ788168	AF493035	AF492901	EF050853				
<i>B. (Pyrobombus) centralis</i> Cresson, 1864	Washington, USA	146	DQ787987	DQ788169	AY739459	DQ788411	EF050852		KR875595		

Species	Collection locality	Voucher	16S (245)	EF-1α (254)	Opsin (240)	ArgK (238)	PEPCK (247)	CytB (80)	COI (185)	12S (18)	OBS
<i>B. (Pyrobombus) cingulatus</i> Wahlberg, 1854	Lappi, Finland	212	DQ787989	AF492948	AF493015	AF492881	EF050812		AF385814		
<i>B. (Pyrobombus) ephippiatus</i> Say, 1837	Chiapas, Mexico	198	DQ788002	DQ788182	AY739462	DQ788422	EF050844		JF799015		
<i>B. (Pyrobombus) flavescens</i> Smith, 1852	Mei-fang, Taiwan	181	DQ788009	AF492950	AF493017	AF492883	EF050824		GU085209		
<i>B. (Pyrobombus) flavifrons</i> Cresson, 1863	California, USA	95	DQ788011	DQ788190	AF493016	AF492882	EF050850	AF084912	JX832113		
<i>B. (Pyrobombus) frigidus</i> Smith, 1854	Alaska, USA	185	DQ788014	DQ788192	AY739466	DQ788431	EF050811	AF084909	JX833457		
<i>B. (Pyrobombus) haematurus</i> Kriechbaumer, 1870	Trabzon Prov., Turkey	211	DQ788019	EF032364			EF050829				
<i>B. (Pyrobombus) huntii</i> Greene, 1860	Washington, USA	151	DQ788027	DQ788203	AF493045	AF492911	EF050840		JN400357		
<i>B. (Pyrobombus) hypnorum</i> (Linnaeus, 1758)	Klösterle, Austria	78	DQ788029	DQ788205	AF493013	AF492879	EF050826	AF066971	AY181110		
<i>B. (Pyrobombus) hypnorum</i> (Linnaeus, 1758)	Qionglai Sh, Sichuan, China	207	EF032359	EF032363	EF032383	EF032401	EF050827	EF424423	AF385815		
<i>B. (Pyrobombus) impatiens</i> Cresson, 1863	Illinois, USA	60	DQ788033	DQ788209	AF493009	AF492875	EF050842		HQ978604		
<i>B. (Pyrobombus) infirmus</i> (Tkalcu, 19368)	Qionglai Sh, Sichuan, China	157	DQ788036	DQ788212	AY739471	DQ788444	EF050836				
<i>B. (Pyrobombus) infrequens</i> (Tkalcu, 1989)	Qionglai Sh, Sichuan, China	140	DQ788037	DQ788213	AY739472	DQ788445	EF050831				
<i>B. (Pyrobombus) jonellus</i> (Kirby, 1802)	Lapland Co., Sweden	79	DQ788039	DQ788214	AY739473	DQ788446	EF050814	F066970	KJ839707		
<i>B. (Pyrobombus) lapponicus</i> (Fabricius, 1793)	Lapland Co., Sweden	103	DQ788046	DQ788220	DQ788345	DQ788452	EF050845	AF066969	KF434333		
<i>B. (Pyrobombus) lemniscatus</i> Skorikov, 1912	Qionglai Sh, Sichuan, China	161	DQ788047	DQ788221	AY739477	DQ788453	EF050834				
<i>B. (Pyrobombus) lepidus</i> Skorikov, 1912	Qionglai Sh, Sichuan, China	155	DQ788048	DQ788222	AY739478	DQ788454	EF050835				
<i>B. (Pyrobombus) luteipes</i> Richards, 1934	Pokhara, Nepal	195	DQ788052								
<i>B. (Pyrobombus) melanopygus</i> Nylander, 1848	California, USA	215	DQ788055	DQ788229	AF493011	AF492877	EF050849		KR876897		
<i>B. (Pyrobombus) mixtus</i> Cresson, 1878	Washington, USA	24	DQ788060	DQ788234	AF493014	AF492880	EF050816		JX832459		
											It is renamed to <i>B. (Pyrobombus) wangae</i>
<i>B. (Pyrobombus) modestus</i> Eversmann, 1852	Aba, Sichuan, China	160	DQ788063	DQ788237	AY739482	DQ788465	EF050820		AF279547		Williams et al., 2009
<i>B. (Pyrobombus) modestus</i> Eversmann, 1852	S. Altai, Kazakhstan	238	EF032358	EF032362	EF032382	EF032400	EF050821	EF406355	AF279545		
<i>B. (Pyrobombus) monticola</i> Smith, 1844	E. Pyrenees, France	176	DQ788064	DQ788238	AY739483	DQ788466	EF050848		KF434341		
<i>B. (Pyrobombus) parthenius</i> Richards, 1934	Himachal Pradesh, India	241	DQ788076	DQ788250	DQ788357	DQ788478	EF050832				
<i>B. (Pyrobombus) perplexus</i> Cresson, 1863	Ottawa, Canada	166	DQ788079	DQ788254	AF493012	AF492878	EF050828		FJ582129		
<i>B. (Pyrobombus) picipes</i> Richards, 1934	Qionglai Sh, Sichuan, China	180	DQ788082	DQ788257	AY739487	DQ788482	EF050833	EF424426			
<i>B. (Pyrobombus) pratorum</i> (Linnaeus, 1761)	Klösterle, Austria	75	DQ788087	AF492966	AF493033	AF492899	EF050819		GU705924		

Species	Collection locality	Voucher	16S (245)	EF-1α (254)	Opsin (240)	ArgK (238)	PEPCK (247)	CytB (80)	COI (185)	12S (18)	OBS
<i>B. (Pyrobombus) pressus</i> (Frison, 1935)	Uttaranchal, India	239	DQ788088	EF032368			EF050837				
<i>B. (Pyrobombus) pyrenaeus</i> Pérez, 1880	Gurgltal, Aust	35	DQ788089	DQ788262	AY739488	DQ788487	EF050822		KJ837876		
<i>B. (Pyrobombus) sandersoni</i> Franklin, 1913	Isle au Haut, Maine, USA	255	EF032346	EF032361	EF032381	EF032399	EF050815		FJ582137		
<i>B. (Pyrobombus) sitkensis</i> Nylander, 1848	California, USA	144	DQ788105	DQ788275	AY739490	DQ788498	EF050817				
<i>B. (Pyrobombus) sonani</i> (Frison, 1934)		J6		AF492951	AF493018	AF492884			AF385816		Changed for the <i>B. parthenius species</i>
<i>B. (Pyrobombus) lapponicus sylvicola</i> Kirby, 1837	New Mexico, USA	108	DQ788116	DQ788287	AY739493	DQ788508	EF050846		JX833556		Mistake in PEPCK
<i>B. (Pyrobombus) ternarius</i> Say, 1837	Nova Scotia, Canada	116	DQ788117	AF492979	AF493046	AF492912	EF050839	AF084911	FJ582149		
<i>B. (Pyrobombus) vagans</i> Smith, 1854	Wisconsin, US	44	DQ788125	DQ788293	DQ788380	DQ788512	EF050854		FJ582159		
<i>B. (Pyrobombus) vandykei</i> (Frison, 1927)	Washington, USA	149	DQ788126	DQ788294	AF493049	AF492915	EF050851		KJ845649		
<i>B. (Pyrobombus) vosnesenskii</i> Radoszkowski, 1862	Washington, USA	112	DQ788133	DQ788301	AF493047	AF492913	EF050841		JN400358		
<i>B. (Pyrobombus) ephippiatus wilmattae</i> Cockerell, 1912	Chiapas, Mexi	199	DQ788136	DQ788304	AY739496	DQ788521	EF050843		JF799021		Synonymous of <i>B. ephippiatus</i>
<i>B. (Sibiricobombus) asiaticus</i> Morawitz, 1875	Himachal Pradesh, Indi	249	DQ787970	EF032369	EF032387	EF032406	EF050896				
<i>B. (Sibiricobombus) niveatus</i> Kriechbaumer, 1870	Kayseri Prov., Turkey	93	DQ788070	DQ788244	DQ788353	DQ788472	EF050893				It is renamed to <i>B. (Sibiricobombus)</i>
<i>B. (Sibiricobombus) oberti</i> Morawitz, 1883	Mt. Kailas, Tibet	234	DQ788073	DQ788247	DQ788355	DQ788475	EF050898				<i>semenovi</i> Morawitz, 1887
<i>B. (Sibiricobombus) sibiricus</i> (Fabricius, 1781)	Khövsgöl Nuur, Mongolia	274	EF032348	EF032370	EF032388	EF032407	EF050897	EF424424	GU085210		
<i>B. (Sibiricobombus) sulfureus</i> Friese, 1905	Kayseri Prov., Turkey	64	DQ788111	DQ788283	AY739492	DQ788504	EF050895				
<i>B. (Sibiricobombus) niveatus vorticosus</i> Gerstaecker, 1872	Aksaray Prov., Turkey	124	DQ788132	DQ788300	DQ788384	DQ788518	EF050894				Synonymous of <i>B. niveatus</i>
<i>B. (Subterraneobombus) amurensis</i> Radoszkowski, 1862		COI_5P2							ASBEE035-08		
<i>B. (Subterraneobombus) appositus</i> Cresson, 1878	Utah, USA	145	DQ787965	DQ788148	DQ788314	DQ788395	EF050986		KR873657		
<i>B. (Subterraneobombus) borealis</i> Kirby, 1837	Maine, USA	250	DQ787981	AF492976	AF493043	AF492909	EF050987		FJ582105		
<i>B. (Subterraneobombus) difficillimus</i> Skorikov, 1912	Hongyuan, Sichuan, China	154	DQ787998	DQ788177	DQ788327	DQ788417	EF050990				
<i>B. (Subterraneobombus) distinguendus</i> Morawitz, 1869	Edesbecka, Finland	197	DQ787999	DQ788180	DQ788328	DQ788420	EF050988		KJ837828		
<i>B. (Subterraneobombus) fragrans</i> (Pallas, 1771)	Kayseri Prov., Turkey	61	DQ788012	DQ788191	DQ788333	DQ788430	EF050992	EF424425			
<i>B. (Subterraneobombus) melanurus</i> Lepeletier, 1835	Dzungarskij Alatau, Kazakh	22	DQ788056	DQ788230	AF492990	AF492856	EF050991	EF434859	KT334308		
<i>B. (Subterraneobombus) mongolensis</i> Williams, 2011		COI-5P							ASBEE039-08		
<i>B. (Subterraneobombus) personatus</i> Smith, 1879	Hongyuan, Sichuan, China	138	DQ788081	DQ788256	DQ788359	DQ788481	EF050993				

Species	Collection locality	Voucher	16S (245)	EF-1α (254)	Opsin (240)	ArgK (238)	PEPCK (247)	CytB (80)	COI (185)	12S (18)	OBS
<i>B. (Subterraneobombus) subterraneus</i> (Linnaeus, 1758)	Uppland Co., Sweden	46	DQ788109	DQ788281	AF493027	AF492893	EF050989		HQ446456		
<i>B. (Thoracobombus) anachoreta</i> (Skorikov, 1914)		AN00001							KP671683		
<i>[B. (Thoracobombus) applanatus</i> Francoso, <i>et al.</i> 2015]	Bahia, Brazil	EF209		KT187912		KT187900			KT187877		Synonymous of <i>B. brevivillus</i>
<i>B. (Thoracobombus) armeniacus</i> Radoszkowski, 1877	Kayseri Prov., Turkey	80	DQ787968	DQ788151	DQ788315	DQ788397	EF050937				
<i>B. (Thoracobombus) atripes</i> Smith, 1852	Zhejiang Prov., China	66	DQ787971	DQ788153	DQ788316	DQ788399	EF050964				
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<i>B. (Thoracobombus) bahiensis</i> Santos-Júnior & Silveira, 2015	Ilhéus, Bahia, Brazil	b85 52893	paper	in this paper	in this paper	paper	in this paper	KJ849088	KJ848944		
<i>B. (Thoracobombus) bellicosus</i> Smith, 1879	Buenos Aires, Argentina	221	AY268399	DQ788159	AY268377	DQ788404	EF050956		KT187864	AF529427	
<i>B. (Thoracobombus) brasiliensis</i> Lepeletier, 1835	Paraná, Brazil	219	AY268400	DQ788164	AY268378		EF050950	KJ849033	KJ848884	AF529428	
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<i>B. (Thoracobombus) brasiliensis</i> Lepeletier, 1835	Pedregulho, São Paulo, Brazil	1218400	paper	in this paper	in this paper	paper	in this paper	KJ848974	KJ848808		
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<i>B. (Thoracobombus) brevivillus</i> Franklin, 1913	Prata, Paraíba, Brazil	1200916	paper	in this paper	in this paper	paper	in this paper	KJ849027	KJ848874		
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<i>B. (Thoracobombus) brevivillus</i> Franklin, 1913	Remígio, Paraíba, Brazil	1202754	paper	in this paper	in this paper	paper	in this paper	KJ849028	KJ848876		
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<i>B. (Thoracobombus) brevivillus</i> Franklin, 1913	Ubajara, Ceará, Brazil	1207320	paper	in this paper	in this paper	paper	in this paper	paper	KJ848951		
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<i>B. (Thoracobombus) brevivillus</i> Franklin, 1913	Ubajara, Ceará, Brazil	1207321	paper	in this paper	in this paper	paper	in this paper	paper	KJ848952		
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<i>B. (Thoracobombus) brevivillus</i> Franklin, 1913	Ubajara, Ceará, Brazil	1207210	paper	in this paper	in this paper	paper	in this paper	paper	KJ848953		
<i>B. (Thoracobombus) fervidus californicus</i> (Fabricius, 1798)	Alberta, Canada	306	AY268401	DQ788167	AY268379	DQ788410	EF050957			AF529429	Synonymous of <i>B. fervidus</i>
<i>B. (Thoracobombus) dahlbomii</i> Guérin-Ménéville, 1835	Arauco Prov., Chile	16	DQ787996	AF492931	AF492998	AF492864	EF050940	AF066962	AF066979	AF529430	
<i>B. (Thoracobombus) deuteronymus</i> Schulz, 1906	Primorskiy Krai, Russia	147	DQ787997	DQ788176	DQ788326	AY267170	EF050922		AF385820		
<i>B. (Thoracobombus) digressus</i> (Milliron, 1962)	R. Grande de Orosí, Mexico	307	AY268403	DQ788178	AY268381	DQ788418	EF050959			AF529431	
<i>B. (Thoracobombus) diligens</i> Smith, 1861	Jalisco, Mexico	171	AY268404	DQ788179	AY268382	DQ788419	EF050955		KC853366	AF529432	
<i>B. (Thoracobombus) excellens</i> Smith, 1879	Aragua, Venezuela	308	AY268405	DQ788184	AY268383	DQ788424	EF050942		KC853321	AF529433	

Species	Collection locality	Voucher	16S (245)	EF-1α (254)	Opsin (240)	ArgK (238)	PEPCK (247)	CytB (80)	COI (185)	12S (18)	OBS
<i>B. (Thoracobombus) exil</i> (Skorikov, 1823)	Hövsögöl Nuur, Mongolia	232	DQ788004	DQ788185	DQ788330	DQ788425	EF050962				
<i>B. (Thoracobombus) fervidus</i> (Fabricius, 1798)	Missouri, USA	309	AY268406	AF492930	AF492997	AF492863	EF050958		FJ582122	AF529434	
<i>B. (Thoracobombus) filchnerae</i> Vogt, 1908	Hongyuan, Sichuan, China	206	DQ788008	DQ788188	DQ788331	DQ788428	EF050933	EF406353	KF468688		
<i>B. (Thoracobombus) hedini</i> Bischoff, 1936	Qionglai Sh, Sichuan, China	129	DQ788023	DQ788199	DQ788338	DQ788437	EF050930	EF406354			
<i>B. (Thoracobombus) honshuensis</i> (Tkalcu, 1968)		J7		AF492962	AF493029	AF492895			AF279559		
<i>B. (Thoracobombus) humilis</i> Illiger, 1806	E. Pyrenees, France	56	DQ788026	DQ788202	AY739469	DQ788439	EF050924	AF017517	KJ839745		
<i>B. (Thoracobombus) imitator</i> Pittioni, 1949	Guizhou Prov., China	28	DQ788032	DQ788208	DQ788339	DQ788441	EF050965				
<i>B. (Thoracobombus) impetuus</i> Smith, 1871	Xinmian, Sichuan, China	284	EF032350	EF032373	EF032391	EF032409	EF050927				
<i>B. (Thoracobombus) inexpectatus</i> (Tkalcu, 1963)		B05	FJ159110	FJ159108	FJ159109	FJ159107	FJ159106				
<i>B. (Thoracobombus) laesus</i> Morawitz, 1875	Kars Prov., Turkey	52	DQ788044	DQ788218	DQ788344	DQ788451	EF050936		KP671682		
<i>B. (Thoracobombus) medius</i> Cresson, 1863	Chiapas, Mexico	222	AY268407	DQ788228	AY268385	DQ788459	EF050951		KC853364		
<i>B. (Thoracobombus) mesomelas</i> Gerstaecker, 1869	Switzerland	37	DQ788058	DQ788231	EF032390	EF032414	EF050938	AF066963	KJ839160		
<i>B. (Thoracobombus) mexicanus</i> Cresson, 1878	Chiapas, Mexico	220	AY268408	DQ788232	AY268386	DQ788461	EF050952		KC853372		
<i>B. (Thoracobombus) mlokosievtzii</i> Radoskowski, 1877	Artvin Prov., Turkey	81	DQ788061	DQ788235	DQ788349	DQ788463	EF050917				
<i>B. (Thoracobombus) morio</i> (Swederus, 1787)	Porto Alegre, Brazil	310	AY268409	DQ788239	AY268387	DQ788467	EF050941	KJ848968	KJ848802	AF529435	
			in this			in this					
<i>B. (Thoracobombus) morio</i> (Swederus, 1787)	Catalão, Goiás, Brazil	b13	paper	in this paper	in this paper	paper	in this paper	KJ848979	KJ848813		
<i>B. (Thoracobombus) mucidus</i> Gerstaecker, 1869	E. Pyrenees, France	59	DQ788066	AF492935	AF493002	AF492868	EF050934		KJ839017		
<i>B. (Thoracobombus) muscorum</i> (Linnaeus, 1758)	Öland Co., Sweden	33	DQ788067	DQ788241	DQ788351	DQ788469	EF050925		AY181133	AF529442	
<i>B. (Thoracobombus) muscorum pereziellus</i> (Skorikov, 1923)		Per101		KF468702					KF468695		
<i>B. (Thoracobombus) opifex</i> Smith, 1879	Puno, Peru	175	DQ788075	DQ788249	DQ788356	DQ788477	EF050954		KC853365		
											Mistake in table of Cameron et al. 2007
<i>B. (Thoracobombus) pascuorum</i> (Scopoli, 1763)	Toscana, Italy	23	DQ788077	DQ788251	AF493001	AF492867	EF050932	EU122104	GU705929	AF529443	(Argk)
<i>B. (Thoracobombus) pauloensis</i> Friese, 1913	Ribeirão Preto, Brazil	305	AY268398	DQ788152	AY268376	DQ788398	EF050943	KJ849067	KJ848921	AF529426	Is like <i>B. atratus</i> Cameron et al. 2007
			in this					in this			
<i>B. (Thoracobombus) pauloensis</i> Friese, 1913	Salinas, Minas Gerais, Brazil	77202	paper	in this paper	in this paper		in this paper	paper	KJ848786		
<i>B. (Thoracobombus) pennsylvanicus</i> (DeGeer, 1773)	Missouri, USA	317	EF032352	EF032374	EF032392	EF032411	EF050948	AF181611	KC853361	AF529436	

Species	Collection locality	Voucher	16S (245)	EF-1α (254)	Opsin (240)	ArgK (238)	PEPCK (247)	CytB (80)	COI (185)	12S (18)	OBS
<i>B. (Thoracobombus) pennsylvanicus</i> (DeGeer, 1773)	Missouri, USA	311	EF032351	EF032375	EF032393	EF032412	EF050949				
<i>B. (Thoracobombus) persicus</i> Radoszkowski, 1881	Kars Prov., Turkey	54	DQ788080	DQ788255	DQ788358	DQ788480	EF050935				
<i>B. (Thoracobombus) pomorum</i> (Panzer, 1805)	Erzincan Prov., Turkey	53	DQ788084	DQ788258	DQ788360	DQ788483	EF050939				
<i>B. (Thoracobombus) impetuosus potanini</i> Morawitz, 1890	Hongyuan, Sichuan, China	113	DQ788086	DQ788260	DQ788362	DQ788485	EF050928				Synonymous of <i>B. impetuosus</i>
<i>B. (Thoracobombus) pseudobaicalensis</i> Vogt, 1911	Primorskiy Kray, Russia	253	EF032357	EF032372	AY267155	AY267171	EF050923	EU110101	AF279564		
<i>B. (Thoracobombus) pullatus</i> Franklin, 1913	Pitilla, Costa Rica	312	AY268411	DQ788261	AY268389	DQ788486	EF050945	AF066961	AF066978	AF529437	
<i>B. (Thoracobombus) remotus</i> (Tkalcu, 1968)	Qionglai Sh, Sichuan, China	192	DQ788092	DQ788265	DQ788365	DQ788490	EF050929				
<i>B. (Thoracobombus) ruderarius</i> (Müller, 1776)	Obergurgl, Austria	47	DQ788095	AF492932	AF492999	AF492865	EF050920	AF002723	KJ838913		
<i>B. (Thoracobombus) schrencki</i> Morawitz, 1881	W. Khentey, N. Mongolia	298	AF364828	AF492933	AF493000	AF492866	EF050931		GU674500		
<i>B. (Thoracobombus) pennsylvanicus sonorus</i> Say, 1837	Arizona, USA	51	DQ822475	DQ788277	EF032394	DQ788500	EF050946				Synonymous of <i>B. pennsylvanicus</i>
<i>B. (Thoracobombus) pennsylvanicus sonorus</i> Say, 1837	Mexico	318	AY268412	EF032376	AY268390	EF032410	EF050947			AF529438	Synonymous of <i>B. pennsylvanicus</i>
<i>B. (Thoracobombus) steindachneri</i> Handlirsch, 1888	Morelos, Mexico	313	AY268413	DQ788280	AY268391	DQ788502	EF050953			AF529439	
<i>B. (Thoracobombus) sylvarum</i> (Linnaeus, 1761)	Uppsala Co., Sweden	110	DQ788114	DQ788285	DQ788376	DQ788506	EF050918		KJ839388		
<i>B. (Thoracobombus) transversalis</i> (Olivier, 1789)	Madre de Dios, Peru	314	AY268414	DQ788291	AY268392	DQ788510	EF050944	KJ849091	KJ848950	AF529440	
<i>B. (Thoracobombus) tricornis</i> Radoszkowski, 1888	Primorskiy Kray, Russia	148	DQ788121	AF492937	AF493004	AF492870	EF050963		AF279573		
<i>B. (Thoracobombus) trinominatus</i> Dalla Torre, 1890	Oaxaca, Mexico	229	DQ788123	DQ788292	DQ788379	DQ788511	EF050960				
<i>B. (Thoracobombus) velox</i> (Skorikov, 1914)	Artvin Prov., Turkey	94	DQ788127	DQ788296	DQ788381	DQ788514	EF050921				
<i>B. (Thoracobombus) veteranus</i> (Fabricius, 1793)	Jura, France	187	DQ788129	DQ788298	DQ788382	DQ788516	EF050919		HQ563800		
<i>B. (Thoracobombus) weisi</i> Friese, 1903	Jalisco, Mexico	315	AY268415	DQ788303	AY268393	DQ788520	EF050961		KC853373	AF529441	
<i>B. (Thoracobombus) zonatus</i> Smith, 1854	Aksaray Prov., Turkey	63	DQ788138	DQ788306	DQ788386	DQ788522	EF050926				
<i>Apis dorsata</i> Fabricius, 1793	Bangalore, India	321	L22893	AY267146	AF091733	AY267178	EF051028	KP259252	KJ513470	KC294229	
<i>Apis mellifera</i> Linnaeus, 1758	Arkansas, USA	320	L22891	AF015267	AF091732	EF032397	EF051030	EF184045	KP844947	KM458618	
<i>Apis cerana</i> Fabricius, 1793		isolate_63	HQ318940	EU184774	EU184839	EU184832		AP017314	KJ755628	NC_014295	
<i>Euglossa (Glossura) imperialis</i> Cockerell, 1922	São Paulo, Brazil	319	AJ581085	AY267144	AY267160	AY267176		AY916117	AJ581106		
<i>Euglossa (Euglossa) championi</i> Cheesman, 1929		EU16	AJ581089	EU421368	AJ581740	EU421629			EU421497		
<i>Eulaema (Apeulaema) boliviensis</i> Friese, 1898	La Paz Prov., Bolivia	213	DQ788139	DQ788307	DQ788387	DQ788523	EF051029		EU421493		
<i>Eulaema (Apeulaema) nigrita</i> Lepeletier, 1841		EU7	AJ581097	EU421427	AJ581732	EU421685		AY916095	EU421555		

Species	Collection locality	Voucher	16S (245)	EF-1 α (254)	Opsin (240)	ArgK (238)	PEPCK (247)	CytB (80)	COI (185)	12S (18)	OBS
<i>Eufriesea pulchra</i> (Smith, 1854)		DWR-F24		EU184769	EU184834	EU184828			AY506359		
<i>Eufriesea surinamensis</i> (Linnaeus, 1758)		EU25		EU421379	GU245272	EU421639			EU421508		
<i>Geniotrigona thoracica</i> (Smith, 1857)	Kuala Muda, Malaysia	303	DQ788140	DQ788308	DQ788388	DQ788524	EF051023				
<i>Heterotrigona itama</i> (Cockerell, 1918)	Kuala Muda, Malaysia	304	DQ788141	DQ788309	DQ788389	DQ788525	EF051024				
<i>Hypotrigona gribodoi</i> (Magretti, 1884)	Bwindi, Uganda	322	DQ790440	DQ813121	DQ813199	DQ813043	EF051026				
<i>Liotrigona mahafalya</i> Brooks & Michener, 1988	Mahajanga Prov., Madagascar	J8	DQ790442	DQ813126	DQ813204	DQ813048			HQ012811		
<i>Plebeia frontalis</i> (Fries, 1911)	Puebla, Mexico	323	DQ790459	DQ813138	DQ813216	DQ813059	EF051027				
<i>Trigona amazonensis</i> (Ducke, 1916)	Madre de Dios, Peru	178	DQ788142	DQ788310	DQ788390	DQ788526	EF051025				