Complete mitochondrial genomes of *Bactrocera* (*Bulladacus*) *cinnabaria* and *B.* (*Bactrocera*) *propinqua* (Diptera: Tephritidae) and their phylogenetic relationships with other congeners

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Table S1 List of *Bactrocera* mitogenomes from GenBank

Taxon	Accession number
Bactrocera (*B.*) *abistrigata*	MH374118
Bactrocera (*B.*) *arecae*	NC_028327
Bactrocera (*B.*) *bryoniae*	NC_071745
Bactrocera (*B.*) *carambolae*	NC_009772
Bactrocera (*B.*) *cheni*	MN883026
Bactrocera (*B.*) *correcta*	NC_018787
Bactrocera (*B.*) *correcta*	MT121259
Bactrocera (*B.*) *curvifera*	NC_071737
Bactrocera (*B.*) *dorsalis*	NC_008748
Bactrocera (*B.*) *dorsalis* (= *invadens*)	KX534207
Bactrocera (*B.*) *dorsalis* (= *papayae*)	DQ917578
Bactrocera (*B.*) *dorsalis* (= *philippinensis*)	DQ995281
Bactrocera (*B.*) *frauenfeldi*	NC_062138
Bactrocera (*B.*) *frauenfeldi*	MT121261
Bactrocera (*B.*) *fulvicauda*	NC_071738
Bactrocera (*B.*) *latifrons*	NC_029466
Bactrocera (*B.*) *latifrons*	MT121263
Bactrocera (*B.*) *limbifera*	MG566056
Bactrocera (*B.*) *melastomatos*	NC_029467
Bactrocera (*B.*) *moluccensis*	NC_071739
Bactrocera (*B.*) *musae*	NC_071740
Bactrocera (*B.*) *neohumeralis*	NC_062139
Bactrocera (*B.*) *nigrotibialis*	NC_071741
Bactrocera (*B.*) *occipitalis*	NC_071742
Bactrocera (*B.*) *ritsemai*	MF668132
Bactrocera (*B.*) *rubigina*	NC_046521
Bactrocera (*B.*) *rubigina*	MT121270
Bactrocera (*B.*) *ruiliensis*	NC_046953
Bactrocera (*B.*) *thailandica*	NC_053983
Bactrocera (*B.*) *thailandica*	MT121271
Bactrocera (*B.*) *tryoni*	NC_014611
Bactrocera (*B.*) *tuberculata*	NC_071743
Bactrocera (*B.*) *umbrosa*	NC_029468
Bactrocera (*B.*) *umbrosa*	MT121274
Bactrocera (*B.*) *wuzhishana*	NC_071744
Bactrocera (*B.*) *zonata*	NC_046521
Bactrocera (*Daculus*) *biguttula*	NC_042712
Bactrocera (*Daculus*) *oleae*	NC_005333
Bactrocera (*Tetradacus*) *minax*	NC_014402
Bactrocera (*Tetradacus*) *tsuneonis*	NC_038164
Bactrocera sp. *'yunnanensis'*	OK127889

Table S2. Base composition, A + T content (%), AT and GC skewness of the 13 protein coding genes in *Bactrocera cinnabaria* (Bc) and *B. propinqua* (Bp) mitogenomes.

	Species	A	T	C	G	A+T%	AT skew	GC skew
ATP6	Bc	29.4	36.3	22.3	12.1	65.7	-0.105	-0.297
	Bp	29.9	38.3	20.1	11.7	68.2	-0.123	-0.264
ATP8	Bc	36.4	39.5	17.3	6.8	75.9	-0.041	-0.436
	Bp	34.6	38.3	17.3	9.9	72.9	-0.051	-0.272
COX1	Bc	29.8	33.1	20.8	16.4	62.9	-0.052	-0.118
	Bp	30.0	35.2	18.8	16.0	65.2	-0.080	-0.080
COX2	Bc	32.6	31.7	21.7	13.9	64.3	0.014	-0.219
	Bp	33.8	34.4	18.6	13.2	68.2	-0.009	-0.170
COX3	Bc	30.0	34.0	21.4	14.6	64.0	-0.063	-0.189
	Bp	29.5	35.6	19.6	15.2	65.1	-0.094	-0.126
CYTB	Bc	30.2	34.4	21.6	13.8	64.6	-0.065	-0.220
	Bp	31.8	35.3	19.9	13.1	67.1	-0.052	-0.206
NAD1	Bc	25.3	47.6	9.2	17.8	72.9	-0.306	0.319
	Bp	26.0	49.6	8.5	15.9	75.6	-0.312	0.303
NAD2	Bc	33.7	38.4	17.8	10.1	72.1	-0.065	-0.276
	Bp	34.0	40.2	16.1	9.7	74.2	-0.084	-0.248
NAD3	Bc	30.5	38.7	19.5	11.3	69.2	-0.118	-0.266
	Bp	32.8	40.4	16.4	10.5	73.2	-0.104	-0.219
NAD4	Bc	26.0	47.9	9.4	16.6	73.9	-0.296	0.277
	Bp	27.2	48.2	8.6	16.0	75.4	-0.279	0.301
NAD4L	Bc	26.8	49.5	7.6	16.2	76.3	-0.298	0.361
	Bp	28.9	51.2	6.5	13.4	80.1	-0.278	0.347
NAD5	Bc	25.8	45.8	9.9	18.5	71.6	-0.279	0.303
	Bp	28.2	46.3	8.7	16.7	74.5	-0.243	0.315
NAD6	Bc	37.9	37.3	17.9	6.9	75.2	0.008	-0.444
	Bp	38.1	41.1	14.7	6.1	79.2	-0.038	-0.413

Table S3. Amino acid frequency for the protein-coding genes of *Bactrocera cinnabaria* (Bc) and *B. propinqua* (Bp) mitogenomes.

Amino acid	Abbreviation	Alphabet	Bc	Bp
Alanine	Ala	A	197	191
Cysteine	Cys	C	46	44
Aspartic acid	Asp	N	70	70
Glutamic acid	Glu	E	77	76
Phenylalanine	Phe	F	334	330
Glycine	Gly	G	227	227
Histidine	His	H	83	80
Isoleucine	Ile	I	331	336
Lysine	Lys	K	82	84
Leucine1	Leu1	L	206	173
Leucine2	Leu2	L	403	433
Methionine	Met	M	197	203
Asparagine	Asn	N	189	191
Proline	Pro	P	139	136
Glutamine	Gln	Q	78	79
Arginine	Arg	R	60	59
Serine1	Ser1	S	114	110
Serine2	Ser2	S	220	222
Threonine	Thr	T	205	205
Valine	Val	V	426	426
Tryptophan	Trp	W	101	102
Tyrosine	Tyr	Y	164	171

Table S4. Relative synonymous codon usage for the 13 protein coding genes of *Bactrocera cinnabaria* (Bc) and *B. propinqua* (Bp) mitogenomes.

Amino acid	Abbreviation	Codon	Abbreviation	Bc	Bp
Alanine	Ala	GCA	A	1.06	1.24
Alanine	Ala	GCC	A	0.75	0.52
Alanine	Ala	GCG	A	0.28	0.15
Alanine	Ala	GCU	A	1.91	2.09
Cysteine	Cys	UGC	C	0.26	0.14
Cysteine	Cys	UGU	C	1.74	1.86
Aspartic acid	Asp	GAC	D	0.83	0.63
Aspartic acid	Asp	GAU	D	1.17	1.37
Glutamic acid	Glu	GAA	E	1.71	1.89
Glutamic acid	Glu	GAG	E	0.29	0.11
Phenylalanine	Phe	UUC	F	0.54	0.44
Phenylalanine	Phe	UUU	F	1.46	1.56
Glycine	Gly	GGA	G	1.64	2.04
Glycine	Gly	GGC	G	0.25	0.05
Glycine	Gly	GGG	G	1.04	0.62
Glycine	Gly	GGU	G	1.07	1.29
Histidine	His	CAC	H	0.96	0.60
Histidine	His	CAU	H	1.04	1.40
Isoleucine	Ile	AUC	I	0.36	0.26
Isoleucine	Ile	AUU	I	1.64	1.74
Lysine	Lys	AAA	K	1.34	1.26
Lysine	Lys	AAG	K	0.66	0.74
Leucine1	Leu1	CUA	L	1.00	0.91
Leucine1	Leu1	CUC	L	0.16	0.08
Leucine1	Leu1	CUG	L	0.09	0.06
Leucine1	Leu1	CUU	L	0.79	0.66
Leucine2	Leu2	UUA	L	3.23	3.66
Leucine2	Leu2	UUG	L	0.74	0.62
Methionine	Met	AUA	M	1.61	1.66
Methionine	Met	AUG	M	0.39	0.34
Asparagine	Asn	AAC	N	0.53	0.39
Asparagine	Asn	AAU	N	1.47	1.61
Proline	Pro	CCA	P	1.32	1.18
Proline	Pro	CCC	P	0.92	0.74
Proline	Pro	CCG	P	0.20	0.12
Proline	Pro	CCU	P	1.55	1.97
Glutamine	Gln	CAA	Q	1.67	1.7
Glutamine	Gln	CAG	Q	0.33	0.3
Arginine	Arg	CGA	R	2.40	2.44

Arginine	Arg	CGC	R	0.27	0.07
Arginine	Arg	CGG	R	0.6	0.34
Arginine	Arg	CGU	R	0.73	1.15
Serine1	Ser1	AGA	S	1.37	1.42
Serine1	Ser1	AGC	S	0.24	0.22
Serine1	Ser1	AGG	S	0.07	0.02
Serine1	Ser1	AGU	S	1.05	0.99
Serine2	Ser2	UCA	S	2.06	2.41
Serine2	Ser2	UCC	S	0.55	0.27
Serine2	Ser2	UCG	S	0.29	0.22
Serine2	Ser2	UCU	S	2.37	2.46
Threonine	Thr	ACA	T	1.74	1.87
Threonine	Thr	ACC	T	0.51	0.41
Threonine	Thr	ACG	T	0.14	0.08
Threonine	Thr	ACU	T	1.62	1.64
Valine	Val	GUA	V	1.81	1.70
Valine	Val	GUC	V	0.18	0.11
Valine	Val	GUG	V	0.38	0.20
Valine	Val	GUU	V	1.63	1.99
Tryptophan	Trp	UGA	W	1.70	1.71
Tryptophan	Trp	UGG	W	0.30	0.29
Tyrosine	Tyr	UAC	Y	0.56	0.48
Tyrosine	Tyr	UAU	Y	1.44	1.52

Table S5. Ka, Ks, Ka/Ks values for the 13 protein coding genes of *Bactrocera cinnabaria* and *B. propinqua* mitogenomes.

	Ka	Ks	Ka/Ks
atp6	0.029	1.330	0.022
atp8	0.108	0.487	0.221
cob	0.024	0.925	0.026
cox1	0.012	1.050	0.012
cox2	0.033	1.149	0.028
cox3	0.013	1.319	0.010
nad1	0.033	0.567	0.058
nad2	0.102	1.382	0.074
nad3	0.065	1.305	0.049
nad4	0.029	0.680	0.043
nad4L	0.018	0.605	0.030
nad5	0.062	0.877	0.071
nad6	0.140	0.910	0.153

Table S6. Pair-wise genetic distance (%) of *Bactrocera* taxa based on 15 mt-genes (13 protein-coding genes and 2 rRNA genes).

Taxon	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
1. *Bactrocera* (*Bulladacus*) *cinnabaria*	-															
2. *B.* (*Bactrocera*) *propinqua*	14.52	-														
3. *B.* (*B.*) *dorsalis* (=*papayae*) DQ917578	14.37	8.85	-													
4. *B.* (*B.*) *dorsalis* (=*philippinensis*) DQ995281	14.38	8.90	0.85	-												
5. *B.* (*B.*) *dorsalis* (=*invadens*) KX534207	14.25	8.77	1.17	1.14	-											
6. *B.* (*B.*) *ritsemai* MF668132	15.04	9.62	9.61	9.61	9.55	-										
7. *B.* (*B.*) *limbifera* MG566056	14.90	9.19	8.98	9.00	8.97	7.96	-									
8. *B.* (*B.*) *albistrigata* MH374118	14.03	8.74	7.45	7.46	7.32	9.55	8.68	-								
9. *B.* (*B.*) *cheni* MN883026	14.35	9.31	6.66	6.70	6.55	10.02	9.19	8.15	-							
10. *B.* (*B.*) *correcta* MT121259	14.08	9.14	7.62	7.68	7.57	9.59	8.92	7.36	8.52	-						
11. *B.* (*B.*) *frauenfeldi* MT121261	14.11	8.70	7.31	7.35	7.20	9.30	8.73	1.70	8.08	7.22	-					
12. *B.* (*B.*) *latifrons* MT121263	15.92	11.90	11.88	11.83	11.84	12.23	12.20	11.64	12.02	11.56	11.64	-				
13. *B.* (*B.*) *rubigina* MT121270	14.38	9.59	8.46	8.46	8.22	10.07	9.61	8.39	9.15	8.48	8.22	12.14	-			
14. *B.* (*B.*) *thailandica* MT121271	14.18	8.88	3.00	2.94	3.12	9.71	8.97	7.44	6.95	7.65	7.35	11.58	8.48	-		
15. *B.* (*B.*) *umbrosa* MT121274	16.20	12.36	11.78	11.85	11.81	12.31	11.97	12.01	12.27	12.09	11.89	14.14	12.42	11.71	-	
16. *B.* (*B.*) *frauenfeldi* NC_062138	14.18	8.77	7.31	7.38	7.24	9.29	8.71	1.74	8.07	7.25	0.28	11.66	8.28	7.36	11.88	-
17. *B.* (*B.*) *neohumeralis* NC_062139	14.70	9.46	8.16	8.19	8.18	9.81	9.73	8.17	8.67	8.51	8.08	11.87	9.25	7.94	12.33	8.12
18. *B.* (*Daculus*) *oleae* NC_005333	14.47	13.24	12.83	12.85	12.70	13.58	13.09	12.62	12.98	12.42	12.59	14.34	13.10	12.66	15.20	12.55
19. *B.* (*B.*) *dorsalis* NC_008748	14.39	8.89	1.00	0.99	0.65	9.69	9.06	7.41	6.64	7.65	7.33	11.83	8.32	3.02	11.88	7.38
20. *B.* (*B.*) *carambolae* NC_009772	14.39	8.79	1.17	1.10	1.35	9.68	8.99	7.33	6.65	7.62	7.25	11.83	8.40	2.97	11.85	7.32
21. *B.* (*Tetradacus*) *minax* NC_014402	19.14	18.05	16.90	16.88	16.78	17.83	17.69	17.53	17.72	17.50	17.39	18.73	17.98	17.22	18.72	17.34
22. *B.* (*B.*) *tryoni* NC_014611	14.71	9.39	8.13	8.18	8.14	9.74	9.65	8.13	8.59	8.54	8.09	11.81	9.17	7.95	12.22	8.16
23. *B.* (*B.*) *correcta* NC_018787	14.15	9.20	7.61	7.67	7.57	9.70	9.00	7.45	8.57	0.21	7.32	11.58	8.57	7.65	12.18	7.35
24. *B.* (*B.*) *zonata* NC_027725	13.95	8.93	7.64	7.66	7.50	9.62	9.19	7.32	8.08	5.50	7.35	11.75	8.35	7.51	12.21	7.35
25. *B.* (*B.*) *arecae* NC_028327	14.83	9.86	9.08	9.05	9.11	9.85	9.79	9.00	9.69	9.09	8.83	12.18	9.65	9.08	12.48	8.85

26. *B.* (*B.*) *latifrons* NC_029466	15.91	11.90	11.90	11.87	11.86	12.14	12.24	11.67	12.04	11.55	11.67	0.59	12.21	11.64	14.19	11.66
27. *B.* (*B.*) *melastomatos* NC_029467	14.38	9.59	8.48	8.48	8.23	10.05	9.60	8.38	9.14	8.47	8.22	12.13	0.08	8.48	12.40	8.28
28. *B.* (*B.*) *umbrosa* NC_029468	16.28	12.36	11.83	11.84	11.81	12.32	11.92	12.05	12.32	12.08	11.97	14.17	12.49	11.71	1.01	11.96
29. *B.* (*T.*) *tsuneonis* NC_038164	19.66	19.32	18.66	18.80	18.67	18.57	18.69	19.21	19.34	19.04	19.21	19.48	18.82	18.95	19.98	19.21
30. *B.* (*Daculus*) *biguttula* NC_042712	14.32	12.94	12.55	12.56	12.48	13.50	12.85	12.20	12.96	12.33	12.22	14.20	12.87	12.45	14.86	12.22
31. *B.* (*B.*) *rubigina* NC_046521	14.40	9.57	8.51	8.51	8.28	10.10	9.58	8.40	9.20	8.48	8.25	12.14	0.37	8.54	12.45	8.31
32. *B.* (*B.*) *ruiliensis* NC_046952	14.18	8.88	3.00	2.94	3.12	9.71	8.99	7.44	6.95	7.65	7.35	11.59	8.48	0.02	11.71	7.36
33. *B.* (*B.*) *thailandica* NC_053983	14.17	8.88	3.00	2.94	3.12	9.69	8.97	7.42	6.96	7.65	7.33	11.58	8.48	0.02	11.70	7.35
34. *B.* (*B.*) *curvifera* NC_071737	17.23	13.27	12.92	12.95	12.78	12.69	12.88	13.05	13.06	12.95	12.88	14.36	13.30	12.70	13.59	12.86
35. *B.* (*B.*) *fulvicauda* NC_071738	14.66	10.09	9.16	9.10	9.12	10.36	9.87	9.11	9.91	9.40	9.12	12.30	9.96	9.20	12.60	9.13
36. *B.* (*B.*) *moluccensis* NC_071739	15.16	10.72	10.12	10.20	10.11	10.34	10.42	9.80	10.51	10.23	9.77	12.89	10.54	9.99	12.64	9.66
37. *B.* (*B.*) *musae* NC_071740	14.35	9.11	2.71	2.61	2.68	9.55	9.24	7.69	6.78	7.84	7.64	11.82	8.53	3.22	11.78	7.70
38. *B.* (*B.*) *nigrotibialis* NC_071741	14.51	9.32	8.41	8.36	8.32	10.13	9.51	8.02	8.85	7.68	7.96	11.96	9.09	8.28	12.59	8.01
39. *B.* (*B.*) *occipitalis* NC_071742	14.40	8.93	2.28	2.24	2.39	9.46	8.94	7.38	6.74	7.74	7.35	11.85	8.37	3.04	11.74	7.41
40. *B.* (*B.*) *tuberculata* NC_071743	14.29	9.32	6.59	6.63	6.47	9.92	9.16	8.05	0.45	8.43	8.02	11.99	9.06	6.86	12.23	8.02
41. *B.* (*B.*) *wuzhishana* NC_071744	15.00	9.98	9.81	9.78	9.75	10.52	10.12	8.99	9.96	9.50	9.04	12.65	10.00	9.76	12.69	9.03
42. *B.* (*B.*) *bryoniae* NC_071745	14.74	10.18	9.66	9.72	9.67	10.59	10.10	9.46	10.11	9.94	9.27	10.69	10.60	9.42	12.42	9.30
43. *Bactrocera* sp. *'yunnanensis'* OK127889	14.91	13.82	13.58	13.53	13.45	14.14	13.94	13.61	13.63	13.50	13.55	15.02	13.92	13.62	16.08	13.56

Table S6. Pair-wise genetic distance (%) of *Bactrocera* taxa based on 15 mt-genes (13 protein-coding genes and 2 rRNA genes). (Cont.)

Taxon	17	18	19	20	21	22	23	24	25	26	27	28	29	30
17. *B.* (*B.*) *neohumeralis* NC_062139	-													
18. *B.* (*Daculus*) *oleae* NC_005333	13.20	-												
19. *B.* (*B.*) *dorsalis* NC_008748	8.20	12.80	-											
20. *B.* (*B.*) *carambolae* NC_009772	8.06	12.87	1.25	-										
21. *B.* (*Tetradacus*) *minax* NC_014402	17.82	18.00	16.85	16.99	-									
22. *B.* (*B.*) *tryoni* NC_014611	0.69	13.20	8.17	8.02	17.75	-								
23. *B.* (*B.*) *correcta* NC_018787	8.59	12.49	7.64	7.62	17.61	8.60	-							
24. *B.* (*B.*) *zonata* NC_027725	8.44	12.48	7.65	7.63	17.72	8.41	5.59	-						
25. *B.* (*B.*) *arecae* NC_028327	9.43	13.26	9.16	9.05	17.69	9.38	9.15	9.00	-					
26. *B.* (*B.*) *latifrons* NC_029466	11.87	14.37	11.85	11.88	18.68	11.83	11.59	11.73	12.14	-				
27. *B.* (*B.*) *melastomatos* NC_029467	9.24	13.11	8.34	8.40	17.97	9.16	8.57	8.33	9.64	12.19	-			
28. *B.* (*B.*) *umbrosa* NC_029468	12.33	15.29	11.90	11.81	18.83	12.18	12.16	12.16	12.41	14.24	12.48	-		
29. *B.* (*T.*) *tsuneonis* NC_038164	19.28	18.45	18.64	18.89	11.73	19.21	19.15	19.05	18.96	19.42	18.82	20.01	-	
30. *B.* (*Daculus*) *biguttula* NC_042712	13.08	4.36	12.53	12.54	17.82	13.00	12.41	12.32	13.13	14.26	12.86	14.95	18.51	-
31. *B.* (*B.*) *rubigina* NC_046521	9.29	13.11	8.38	8.43	18.05	9.26	8.57	8.39	9.65	12.21	0.40	12.51	18.89	12.90
32. *B.* (*B.*) *ruiliensis* NC_046952	7.95	12.68	3.02	2.97	17.22	7.96	7.65	7.51	9.10	11.65	8.48	11.72	18.95	12.47
33. *B.* (*B.*) *thailandica* NC_053983	7.93	12.66	3.02	2.97	17.22	7.93	7.65	7.51	9.08	11.63	8.48	11.71	18.93	12.45
34. *B.* (*B.*) *curvifera* NC_071737	12.75	15.55	12.89	12.95	19.21	12.80	13.02	12.91	13.05	14.39	13.31	13.64	19.76	15.85
35. *B.* (*B.*) *fulvicauda* NC_071738	9.97	13.31	9.14	9.18	17.71	9.94	9.50	9.43	10.09	12.33	9.98	12.66	19.23	12.99
36. *B.* (*B.*) *moluccensis* NC_071739	10.51	13.80	10.20	10.27	18.08	10.48	10.30	10.07	10.62	12.83	10.52	12.69	19.38	13.59
37. *B.* (*B.*) *musae* NC_071740	8.37	12.94	2.65	2.58	16.96	8.28	7.83	7.84	9.18	11.91	8.55	11.73	18.77	12.68
38. *B.* (*B.*) *nigrotibialis* NC_071741	8.85	13.03	8.38	8.38	17.94	8.86	7.72	7.90	9.69	11.98	9.07	12.60	19.40	12.86
39. *B.* (*B.*) *occipitalis* NC_071742	8.13	12.85	2.29	2.20	17.21	8.10	7.72	7.67	9.16	11.89	8.37	11.74	18.80	12.52
40. *B.* (*B.*) *tuberculata* NC_071743	8.51	12.93	6.58	6.54	17.70	8.44	8.46	8.08	9.66	12.02	9.05	12.23	19.37	12.91
41. *B.* (*B.*) *wuzhishana* NC_071744	10.54	13.17	9.78	9.82	18.28	10.43	9.54	9.56	10.30	12.66	9.99	12.64	19.43	13.11
42. *B.* (*B.*) *bryoniae* NC_071745	9.94	13.08	9.66	9.70	17.82	9.82	9.96	9.66	10.50	10.69	10.58	12.41	19.04	12.96
43. *Bactrocera* sp. *'yunnanensis'* OK127889	14.03	13.86	13.51	13.56	18.18	14.05	13.53	13.35	14.20	15.08	13.91	16.09	19.02	13.74

Table S6. Pair-wise genetic distance (%) of *Bactrocera* taxa based on 15 mt-genes (13 protein-coding genes and 2 rRNA genes). (Cont.)

Taxon	**31**	**32**	**33**	**34**	**35**	**36**	**37**	**38**	**39**	**40**	**41**	**42**	**43**
31. *B.* (*B.*) *rubigina* NC_046521	-												
32. *B.* (*B.*) *ruiliensis* NC_046952	8.54	-											
33. *B.* (*B.*) *thailandica* NC_053983	8.54	0.03	-										
34. *B.* (*B.*) *curvifera* NC_071737	13.31	12.71	12.70	-									
35. *B.* (*B.*) *fulvicauda* NC_071738	9.95	9.21	9.20	13.58	-								
36. *B.* (*B.*) *moluccensis* NC_071739	10.55	9.99	9.99	12.92	10.41	-							
37. *B.* (*B.*) *musae* NC_071740	8.55	3.22	3.22	12.83	9.35	10.17	-						
38. *B.* (*B.*) *nigrotibialis* NC_071741	9.09	8.28	8.28	13.27	9.92	10.84	8.47	-					
39. *B.* (*B.*) *occipitalis* NC_071742	8.47	3.04	3.05	12.59	9.21	10.12	2.38	8.34	-				
40. *B.* (*B.*) *tuberculata* NC_071743	9.09	6.86	6.87	13.03	9.84	10.38	6.71	8.79	6.62	-			
41. *B.* (*B.*) *wuzhishana* NC_071744	10.04	9.77	9.75	13.61	10.39	11.07	9.82	10.43	9.85	9.92	-		
42. *B.* (*B.*) *bryoniae* NC_071745	10.59	9.43	9.42	12.88	10.65	11.37	9.83	10.16	9.74	10.05	10.54	-	
43. *Bactrocera* sp. '*yunnanensis*' OK127889	14.01	13.62	13.62	16.79	14.03	14.85	13.54	13.73	13.56	13.55	14.05	14.03	-