

Appendix 5. Morphometric measurements of selected species.

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Table S6: Measurements (To) of *Dicrurus* sp. for pooled individuals (NMNH holdings only). * Sex and months collected are only stated, if indicated on label. Measurements are explained in detail in the ‘Methods’ section.

#	Species	Taxon *	To	Location	Sex *	Month collected *	Group (pool)
1	<i>aeneus</i>	<i>malayensis</i>	93.9	Borneo, Indonesia	Female	n/a	1
2	<i>aeneus</i>	<i>malayensis</i>	92.2	Borneo, Indonesia	Female	n/a	1
3	<i>aeneus</i>	<i>malayensis</i>	86.1	Borneo, Indonesia	Female	n/a	1
4	<i>aeneus</i>	<i>malayensis</i>	99.2	Borneo, Indonesia	Male	n/a	2
5	<i>aeneus</i>	<i>malayensis</i>	99.1	Borneo, Indonesia	Male	n/a	2
6	<i>aeneus</i>	<i>malayensis</i>	95.9	Borneo, Indonesia	Male	n/a	2
7	<i>aeneus</i>	<i>malayensis</i>	89.7	Borneo, Indonesia	Male	n/a	2
8	<i>aeneus</i>	<i>malayensis</i>	101.5	Borneo, Indonesia	Male	n/a	2
9	<i>aeneus</i>	<i>malayensis</i>	92.5	Borneo, Indonesia	Male	n/a	2
10	<i>aeneus</i>	<i>malayensis</i>	91.9	East Sumatra, Indonesia	n/a	n/a	3
11	<i>aeneus</i>	<i>malayensis</i>		m East Sumatra, Indonesia	Male	n/a	3
12	<i>aeneus</i>	<i>malayensis</i>	91.9	East Sumatra, Indonesia	Male	n/a	3
13	<i>aeneus</i>	<i>malayensis</i>	94.3	East Sumatra, Indonesia	Male	n/a	3
14	<i>aeneus</i>	<i>malayensis</i>	87.9	East Sumatra, Indonesia	Female	n/a	4
15	<i>aeneus</i>	<i>malayensis</i>		m East Sumatra, Indonesia	Female	n/a	4
16	<i>aeneus</i>	<i>malayensis</i>	96.9	East Sumatra, Indonesia	Male	n/a	3
17	<i>aeneus</i>	<i>malayensis</i>	82.3	East Sumatra, Indonesia	Male	n/a	3
18	<i>aeneus</i>		111.0	Fayn, Vietnam	Female	n/a	5
19	<i>aeneus</i>		113.8	Fayn, Vietnam	Female	n/a	5
20	<i>aeneus</i>		118.8	Fayn, Vietnam	Female	n/a	5
21	<i>aeneus</i>		100.9	North India/Nepal	Female	n/a	5
22	<i>aeneus</i>		108.0	North India/Nepal	Female	n/a	5
23	<i>aeneus</i>		106.1	North India/Nepal	Female	n/a	5
24	<i>aeneus</i>		106.0	North India/Nepal	Female	n/a	5
25	<i>aeneus</i>		99.4	North India/Nepal	Female	n/a	5
26	<i>aeneus</i>		107.2	Assam, India	Male	n/a	6
27	<i>aeneus</i>		108.6	Assam, India	Male	n/a	6
28	<i>aeneus</i>		119.1	Assam, India	Male	n/a	6
29	<i>aeneus</i>		107.5	South Annam, Vietnam	Female	n/a	7
30	<i>aeneus</i>		108.4	South Annam, Vietnam	Female	n/a	7
31	<i>aeneus</i>		101.0	South Annam, Vietnam	Female	n/a	7
32	<i>aeneus</i>		108.3	South Annam, Vietnam	Female	n/a	7
33	<i>aeneus</i>		11.6	South Annam, Vietnam	Male	n/a	8
34	<i>aeneus</i>		113.6	South Annam, Vietnam	Male	n/a	8
35	<i>aeneus</i>		114.7	South Annam, Vietnam	Male	n/a	8
36	<i>aeneus</i>		115.8	South Annam, Vietnam	Male	n/a	8
37	<i>aeneus</i>	<i>branmiamus</i>	122.8	Taiwan	Male	n/a	9
38	<i>aeneus</i>	<i>branmiamus</i>	118.0	Taiwan	n/a	n/a	9
39	<i>aeneus</i>	<i>branmiamus</i>	115.5	Taiwan	n/a	n/a	9
40	<i>aeneus</i>	<i>branmiamus</i>	121.8	Taiwan	Male	n/a	9

#	Species	Taxon *	To	Location	Sex *	Month collected *	Group (pool)
41	<i>aeneus</i>	<i>branmiamus</i>	125.7	Taiwan	n/a	n/a	9
42	<i>aeneus</i>	<i>aeneus</i>	110.1	Tenasserim, Myanmar	Male	n/a	10
43	<i>aeneus</i>	<i>malayensis</i>	107.0	Thailand	Female	n/a	11
44	<i>aeneus</i>	<i>malayensis</i>	108.8	Thailand	Male	n/a	12
45	<i>aeneus</i>	<i>malayensis</i>	108.6	Thailand	Male	n/a	12
46	<i>aeneus</i>		106.8	Thailand	Male	n/a	12
47	<i>aeneus</i>		121.4	Thailand	Male	n/a	12
48	<i>aeneus</i>		113.4	Thailand	Male	n/a	12
49	<i>aeneus</i>		118.0	Thailand	Male	n/a	12
50	<i>aeneus</i>		115.8	Thailand	Male	n/a	12
51	<i>aeneus</i>		117.1	Thailand	Male	n/a	12
1	<i>remifer</i>		47.0	South Annam, Vietnam	Male	June	n/a
2	<i>remifer</i>		36.5	South Annam, Vietnam	Female	June	n/a
3	<i>remifer</i>		43.5	South Annam, Vietnam	Male	February	n/a
4	<i>remifer</i>		44.0	South Annam, Vietnam	Male	December	n/a
5	<i>remifer</i>		45.6	South Annam, Vietnam	Male	May	n/a
6	<i>remifer</i>		40.0	South Annam, Vietnam	Male	May	n/a
7	<i>remifer</i>		44.8	Java	n/a	April	n/a
8	<i>remifer</i>		30.0	Java	n/a	May	n/a
9	<i>remifer</i>		32.2	Java	n/a	April	n/a
10	<i>remifer</i>		32.6	Java	n/a	n/a	n/a
11	<i>remifer</i>		32.5	Thailand	n/a	n/a	n/a
12	<i>remifer</i>		50.0	Thailand	Male	January	n/a
13	<i>remifer</i>		50.0	Thailand	Male	March	n/a
14	<i>remifer</i>		48.0	Thailand	Male	May	n/a
15	<i>remifer</i>		47.5	Thailand	Male	November	n/a
16	<i>remifer</i>		35.5	Thailand	Female	December	n/a
17	<i>remifer</i>		39.7	Thailand	Female	October	n/a
18	<i>remifer</i>		45.0	Thailand	Male	January	n/a
19	<i>remifer</i>		37.7	Thailand	Female	May	n/a
20	<i>remifer</i>		38.0	Thailand	Female	October	n/a
21	<i>remifer</i>		32.5	Thailand	Female	May	n/a
22	<i>remifer</i>		37.0	Assam, India	Female	December	n/a
23	<i>remifer</i>		29.0	Assam, India	n/a	June	n/a

Table S7: Groups tested with ANOVA as in previous table (details on groups see there).
 ‘Yes’ refers to significant difference $p \leq 0.05$ (ANOVA).

	4	8	1	3	2	7	11	5	10	6	12	9
4	-											
8	No	-										
1	No	No	-									
3	No	No	No	-								
2	No	No	No	No	-							
7	No	No	No	No	No	-						
11	No	No	No	No	No	No	-					
5	No	No	No	No	No	No	No	-				
10	No	No	No	No	No	No	No	No	-			
6	No	No	No	No	No	No	No	No	No	-		
12	No	Yes	Yes	Yes	Yes	No	No	No	No	No	-	
9	No	Yes	Yes	Yes	Yes	No	No	No	No	No	No	-

Table S8: Measurements of *Alcippe castaneiceps*, *A. vinipectus*, *A. morrisonia* and *A. nipalensis* species in Southeast Asia. Measurements are explained in detail in the ‘Methods’ section.

Species	Taxon	Collection	Collection number	Sex	Country	Location	BL	BW	BH	W	Ti	To	Tarsus
<i>castaneiceps</i>	n/a	ZMUC	93.409	Male	Nepal	Nurbu village	7.33	3.22	2.63	52	41.86	42.86	19.82
<i>castaneiceps</i>	n/a	BMNH	1919.12.20.535	Female	Vietnam	Langbian Peaks	n/a	n/a	n/a	n/a	n/a	n/a	n/a
<i>castaneiceps</i>	n/a	BMNH	1932.5.14.163	Female	Laos	Thateng	n/a	n/a	n/a	n/a	n/a	n/a	n/a
<i>castaneiceps</i>	n/a	BMNH	1930.7.16.327	Female	Vietnam	Fan Si Pan (Sa Pa)	n/a	n/a	n/a	n/a	n/a	n/a	n/a
<i>castaneiceps</i>	n/a	BMNH	12.04.1936	Female	Malaysia	Selangor-Pahang boundary	n/a	n/a	n/a	n/a	n/a	n/a	n/a
<i>castaneiceps</i>	n/a	NRM	2452	n/a	Myanmar	Kambaiti	7.49	3.56	3.33	54.22	40.98	37.27	20.74
<i>castaneiceps</i>	n/a	NRM	2491	n/a	Myanmar	Kambaiti	8.49	d	a	59.82	45.63	40.08	20.58
<i>castaneiceps</i>	n/a	NRM	2747	Female	India	Rangirum	9.24	4.2	a	60.9	41.35	44.76	20.32
<i>castaneiceps</i>	n/a	NRM	North	Male	Vietnam	Fan Si Pan	7.69	3.07	3.35	56.47	43.59	41.43	19.01
<i>castaneiceps</i>	n/a	NRM	North	Male	Vietnam	Fan Si Pan	7.59	3.94	a	54.37	37.37	38.31	18.98
<i>castaneiceps</i>	n/a	NRM	North	Female	Vietnam	Fan Si Pan	9.04	4.09	a	51.94	38.57	36.26	20.57
<i>castaneiceps</i>	n/a	CAS	1324	Male	China	GLGS	7.5	4	3.1	50.6	40.6	40.1	19.7
<i>castaneiceps</i>	n/a	CAS	1325	Male	China	GLGS	8.2	4.1	3.2	54.7	41.1	38.2	21.4
<i>castaneiceps</i>	n/a	CAS	493	n/a	China	GLGS	9.3	4.3	3.5	55.4	38.6	36.8	22.2
<i>vinipectus</i>	<i>vinipectus</i>	CAS	GLGS2267	Male	China	Gaolingonshan	7.8	3.8	3.7	58.5	56.9	55.9	22.6
<i>vinipectus</i>	<i>vinipectus</i>	CAS	GLGS2373	Male	China	Gaolingonshan	8.6	4.2	3.8	62.4	55.2	44.8	23
<i>vinipectus</i>	<i>vinipectus</i>	CAS	GLGS1276	Female	China	Gaolingonshan	8.4	4	3.3	56.2	53.5	41.9	21.5
<i>vinipectus</i>	<i>vinipectus</i>	CAS	GLGS2238	Female	China	Gaolingonshan	8.8	3.4	2.9	52.8	48.8	39.5	21.5
<i>vinipectus</i>	<i>vinipectus</i>	CAS	GLGS1220	Male	China	Gaolingonshan	7.9	3.4	3.6	56.1	58.1	47.6	22.9
<i>vinipectus</i>	<i>vinipectus</i>	CAS	GLGS266	Male	China	Gaolingonshan	8.9	4.9	3.3	53.9	49	40.2	23
<i>vinipectus</i>	<i>vinipectus</i>	ZMUC	n/a	Female	Nepal	Walung ridge	7.09	3.19	3.33	56.9	49.5	39.86	d
<i>vinipectus</i>	<i>vinipectus</i>	ZMUC	93.388	Female	Nepal	Walung ridge	7.36	3.35	d	58.11	51.89	41.17	21.47
<i>vinipectus</i>	<i>vinipectus</i>	ZMUC	93.4	Male	Nepal	Walung ridge	7.14	2.97	d	57.06	52.4	39.45	21.8

														Pakokku	
<i>vinipectus</i>	<i>ripponi</i>	NMW	45420	n/a	Myanmar	Mt. Victoria, Pakokku	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	
<i>vinipectus</i>	<i>perstriata</i>	NRM	n/a	Male	Myanmar	Kambaiti	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	
<i>vinipectus</i>	<i>vinipectus</i>	NRM	n/a	Male	India	Tonglu	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	
n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	
n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	
n/a	<i>Taxon</i>	n/a	n/a	Sex	Country	Location	BL	BW	BH	W	Ti	To	T		
<i>morrisonia</i>	n/a	n/a	n/a	Female	Myanmar	Mogok, Katha District	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	
<i>morrisonia</i>	n/a	n/a	n/a	Male	China	Milali, Yunnan	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	
<i>morrisonia</i>	n/a	n/a	n/a	Male	Vietnam	Tam-Dao, C Tonkin	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	
<i>morrisonia</i>	<i>laotiana</i>	n/a	n/a	Male	Thailand	Doi Nang Ka	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	
<i>morrisonia</i>	<i>laotiana</i>	n/a	n/a	Male	Thailand	Doi Nang Ka	9.3	n/a	n/a	56.8	56.3	49.8	20.2		
<i>morrisonia</i>	<i>laotiana</i>	n/a	n/a	Male	Thailand	Doi Nang Ka	9.7	4.7	4.2	61.5	57.3	46.6	20.2		
<i>morrisonia</i>	<i>laotiana</i>	n/a	n/a	Male	Thailand	Doi Nang Ka	10.1	4.2	3.8	60.2	60.2	51.9	20.4		
<i>morrisonia</i>	<i>laotiana</i>	n/a	n/a	Male	Thailand	Doi Nang Ka	10.7	4.3	3.8	60.6	59.8	55	20.5		
<i>morrisonia</i>	<i>laotiana</i>	n/a	n/a	Male	Thailand	Doi Nang Ka	10.6	3.8	3.8	56.2	57.3	53.7	18.7		
<i>morrisonia</i>	<i>laotiana</i>	n/a	n/a	Male	Thailand	Doi Hua Mot	n/a	n/a	n/a	n/a	n/a	n/a	n/a		
<i>morrisonia</i>	<i>laotiana</i>	n/a	n/a	Male	Thailand	Doi Hua Mot	9.1	4.7	3.6	59.4	57.6	52.7	20.1		
<i>morrisonia</i>	<i>laotiana</i>	n/a	n/a	Male	Thailand	Doi Hua Mot	8.7	4	4.1	62.2	62	54.2	20.6		
<i>morrisonia</i>	<i>laotiana</i>	n/a	n/a	Male	Thailand	Doi Hua Mot	9.1	4.3	4.2	61	61.4	55.3	19.8		
<i>morrisonia</i>	<i>laotiana</i>	n/a	n/a	Male	Thailand	Doi Hua Mot	10.1	4.4	3.7	60.4	52.5	40.1	20.1		
<i>morrisonia</i>	<i>laotiana</i>	n/a	n/a	Male	Thailand	Doi Hua Mot	8.4	3.8	3.9	59.6	61.3	50.9	21.2		
<i>morrisonia</i>	<i>morrisonia</i>	n/a	n/a	Male	Taiwan	n/a	8.8	n/a	n/a	59.1	54.3	51.1	20.6		
<i>morrisonia</i>	<i>morrisonia</i>	n/a	n/a	Male	Taiwan	n/a	8.7	n/a	n/a	56.4	56.2	52	20.2		
<i>morrisonia</i>	<i>morrisonia</i>	n/a	n/a	Male	Taiwan	n/a	8.8	n/a	n/a	59.4	d	d	21.4		
<i>morrisonia</i>	<i>morrisonia</i>	n/a	n/a	Male	Taiwan	n/a	10.4	n/a	n/a	59.3	54.4	51.1	21.5		
<i>morrisonia</i>	<i>morrisonia</i>	n/a	n/a	Male	Taiwan	n/a	8.9	n/a	n/a	57.9	51.8	45.7	20.1		

<i>morrisonia</i>	<i>davidi</i>	n/a	n/a	Male	Southwest Szechwan China	11.3	n/a	n/a	61.2	53.6	49.3	22.9
<i>morrisonia</i>	<i>davidi</i>	n/a	n/a	Male	Southwest Szechwan China	10.1	n/a	n/a	63.5	53.2	48.3	24.2
<i>morrisonia</i>	<i>davidi</i>	n/a	n/a	Male	Southwest Szechwan China	11	n/a	n/a	62.8	58	53	21.7
<i>morrisonia</i>	<i>davidi</i>	n/a	n/a	Male	Southwest Szechwan China	10.5	n/a	n/a	62.2	54.7	48.9	24.8
<i>morrisonia</i>	<i>davidi</i>	n/a	n/a	Male	Southwest Szechwan China	8.7	n/a	n/a	60.8	53.8	48.9	23
<i>morrisonia</i>	n/a	n/a	n/a	Female	North Myanmar Ba Baw, Putao	7.6	4	3.7	54.3	48.1	51.9	22.9
<i>morrisonia</i>	n/a	n/a	n/a	Female	North Myanmar Ba Baw, Putao	8.6	4.5	3.5	57.5	48.7	55.4	25.5
<i>morrisonia</i>	n/a	n/a	n/a	Female	North Myanmar Naung Mung	8.9	3.7	3.6	61.2	57.5	50.2	19.8
<i>morrisonia</i>	n/a	n/a	n/a	Male	North Myanmar Ba Baw, Putao	8.6	3.8	4.1	60.2	50.2	56.8	23.2
<i>morrisonia</i>	n/a	n/a	n/a	Male	North Myanmar Ba Baw, Putao	9.4	4	3.8	59	47.9	56.2	24.8
<i>morrisonia</i>	n/a	n/a	n/a	Male	North Myanmar Naung Mung	8.5	3.9	3.9	59.7	58.4	50.2	20.1
<i>nipalensis</i>	<i>commoda</i>	n/a	n/a	Female	Northeast India Gabru, North Assam	9	4.4	3.6	57.8	55.8	48.7	21.1
<i>nipalensis</i>	n/a	n/a	n/a	Female	Northeast India Wongpok, Assam	7.5	3.6	d	58.3	53.7	48.9	20.7
<i>nipalensis</i>	n/a	n/a	n/a	Female	Northeast India Fort Denning, Northeast Assam	9.2	4.4	3.9	58.5	m	m	d
<i>nipalensis</i>	n/a	n/a	n/a	Female	Nepal Than Kote	9.2	4	3.8	57.7	59.4	58	d
<i>nipalensis</i>	n/a	n/a	n/a	Female	Nepal Godavari	8.9	5.3	3.7	53.3	59	56.9	22.2
<i>nipalensis</i>	n/a	n/a	n/a	Female	Nepal Godavari	8.5	4.1	3.9	60.4	59.6	55.1	21.7

<i>nipalensis</i>	n/a	n/a	n/a	Female	Nepal	Godavari	8.9	d	d	58.9	62.3	55.4	21.4
<i>nipalensis</i>	<i>commoda</i>	n/a	n/a	Male	Northeast India	Doi Mara, Darrang District, North Assam	7.8	3.8	3.5	49.4	59.8	54.5	20.6
<i>nipalensis</i>	<i>nipalensis</i>	n/a	n/a	Male	Northeast India	Khaihatang, Arunachal Pradesh	8.6	3.6	3.6	56.2	58	49.2	21
<i>nipalensis</i>	<i>nipalensis</i>	n/a	n/a	Male	Northeast India	Mishmi Hills, Northeast Assam	9.2	4.1	3.7	57.2	53.7	47	21.1
<i>nipalensis</i>	n/a	n/a	n/a	Male	Northeast India	Wongpok, Assam	8.8	4.9	3.9	56.4	53.8	47.8	20.7
<i>nipalensis</i>	n/a	n/a	n/a	Male	Northeast India	Noa Diking River, Arunachal Pradesh	9.8	3.8	3.8	61	57.9	50.6	20.8
<i>nipalensis</i>	n/a	n/a	n/a	Male	Northeast India	Noa Diking River, Arunachal Pradesh	8.6	4.5	3.6	60	58.6	54.6	22.1
<i>nipalensis</i>	n/a	n/a	n/a	Male	Northeast India	Noa Diking River, Arunachal Pradesh	9.1	5	3.6	60.8	m	m	24
<i>nipalensis</i>	n/a	n/a	n/a	Male	Nepal	Than Kote	9.8	3.4	4	58	56	52.9	21.4
<i>nipalensis</i>	n/a	n/a	n/a	Male	Nepal	Godavari	9.4	4.5	3.7	60.5	61.3	52.3	21.2
<i>nipalensis</i>	n/a	n/a	n/a	Male	Nepal	Godavari	8.9	4.7	3.6	60.6	61.7	53.2	d
<i>nipalensis</i>	<i>nipalensis</i>	n/a	n/a	n/a	Northeast India	Khaihatang, Arunachal Pradesh	8.5	4.1	3.6	61.6	60.2	51	20.6

Table S9: Measurements of *Aerodramus brevirostris* from NMNH holdings. Measurements are explained in detail in the ‘Methods’ section.

Collection	Taxon	Sex	Country	W	To
BMNH	<i>brevirostris</i>	Female	Myanmar	122.1	52.6
BMNH	<i>brevirostris</i>	Male	Myanmar	127.7	46.0
BMNH	<i>brevirostris</i>	Male	Myanmar	128.9	52.9
BMNH	<i>brevirostris</i>	Male	Myanmar	124.8	47.1
BMNH	<i>brevirostris</i>	Female	Myanmar	125.4	53.8
BMNH	<i>brevirostris</i>	Female	Myanmar	125.7	52.3
BMNH	<i>brevirostris</i>	Female	Myanmar	128.5	47.4
BMNH	<i>brevirostris</i>	Male	Myanmar	126.6	49.8
BMNH	<i>brevirostris</i>	Female	Myanmar	124.8	52.9
BMNH	<i>brevirostris</i>	Male	Myanmar	127.4	51.2
BMNH	<i>brevirostris</i>	Male	Myanmar	128.7	50.4
BMNH	<i>brevirostris</i>	Male	Myanmar	130.0	50.1
BMNH	<i>brevirostris</i>	n/a	Myanmar	128.0	47.0
BMNH	<i>brevirostris</i>	Male	Myanmar	128.7	43.7
BMNH	<i>brevirostris</i>	Male	Myanmar	123.6	50.2
BMNH	<i>brevirostris</i>	Female	Myanmar	121.5	43.0
BMNH	<i>brevirostris</i>	Male	Myanmar	123.4	51.4
BMNH	<i>brevirostris</i>	n/a	China	128.7	54.6
BMNH	<i>brevirostris</i>	Male	Laos	120.0	48.6
BMNH	<i>brevirostris</i>	Male	Myanmar	117.0	47.7
BMNH	<i>brevirostris</i>	Female	Myanmar	121.4	49.1
BMNH	<i>brevirostris</i>	Female	India	d	44.3
BMNH	<i>brevirostris</i>	Female	India	115.9	48.4
BMNH	<i>brevirostris</i>	Male	China	127.6	46.6
BMNH	<i>brevirostris</i>	Female	Bhutan	124.3	48.5
BMNH	<i>brevirostris</i>	Male	Bhutan	128.6	52.2
BMNH	<i>brevirostris</i>	Male	Bhutan	109.9	46.8
BMNH	<i>brevirostris</i>	Male	Bhutan	129.3	52.1
NMNH	<i>brevirostris</i>	n/a	Bhutan	109.0	51.2

NMNH	<i>brevirostris</i>	n/a	Bhutan	116.2	53.5
Mean				123.4	49.4
± s.d.				6.3	3.0
NMNH	<i>inominata</i>	n/a	South Szechwan, China	133.0	58.5
NMNH	<i>inominata</i>	n/a	South Szechwan, China	133.0	63.3
NMNH	<i>inominata</i>	n/a	South Szechwan, China	135.9	59.7
NMNH	<i>inominata</i>	n/a	South Szechwan, China	134.6	59.5
NMNH	<i>inominata</i>	n/a	South Szechwan, China	129.2	59.8
BMNH	<i>inopina</i>	Female	Vietnam	132.6	53.6
NMNH	<i>inopina</i>	n/a	?	134.1	59.0
Mean				133.2	59.1
± s.d.				1.9	2.7

Table S10: Measurements of *Ficedula strophciata*. Measurements are explained in detail in the ‘Methods’ section.

Taxon	Sex	Location	Country	BL	BW	BH	W	Ti	To	T	Group (pool)
<i>strophciata strophciata</i>	Male	Htingnan	Northern Myanmar	11.9	4.2	3.1	72.9	57.8	60.7	21.0	1
<i>strophciata strophciata</i>	Male	Adung Valley	Northern Myanmar	9.3	4.3	3.1	76.1	56.6	55.6	21.1	1
<i>strophciata strophciata</i>	n/a	Near Hkamo, Putao-Myitkyina road	Northern Myanmar	8.9	4.6	d	71.9	54.3	53.4	18.7	1
<i>strophciata strophciata</i>	Male	Near Hkamo, Putao-Myitkyina road	Northern Myanmar	11.6	4.6	3.3	67.4	52.5	53.2	21.1	1
<i>strophciata strophciata</i>	Male	Hkasang, Sadon-Sima Road, Myitkyina	Northern Myanmar	12.1	4.1	3.2	71.3	55.4	55.8	22.8	1
<i>strophciata strophciata</i>	Male	Mali Valley	Northern Myanmar	11.8	3.9	3.0	71.0	58.5	57.7	21.2	1
<i>strophciata strophciata</i>	Female	Mooleyit	Northern Myanmar	9.0	3.0	d	67.2	54.9	55.7	18.5	1
<i>strophciata strophciata</i>	Male	Hkasang, Sadon-Sima Road, Myitkyina	Northern Myanmar	12.4	d	2.8	73.9	58.0	57.5	18.5	1
<i>strophciata strophciata</i>	Male	Black Rock’ Myitkyina-Hpunian Road	Northern Myanmar	8.3	3.7	d	74.5	60.8	62.6	21.3	1
<i>strophciata strophciata</i>	Male	Mogok, Khata District	Myanmar	9.9	4.5	3.1	73.9	57.5	58.6	19.9	1
<i>strophciata fuscogularis</i>	Male	Pic de Langbian, South Annam	Vietnam	9.4	5.2	3.3	72.0	57.8	54.8	20.0	2
<i>strophciata fuscogularis</i>	Male	Pic de Langbian, South Annam	Vietnam	11.3	4.3	3.3	72.6	54.9	57.7	21.7	2
<i>strophciata fuscogularis</i>	Female	Pic de Langbian, South Annam	Vietnam	11.4	4.1	2.9	68.3	49.6	48.7	19.8	2
<i>strophciata fuscogularis</i>	Female	Pic de Langbian, South Annam	Vietnam	12.3	5.8	3.2	68.0	52.1	53.7	19.8	2
<i>strophciata strophciata</i>	Male	Tsari Chu, Yarap, Assam	India	10.9	5.8	3.0	71.3	53.9	53.9	21.5	3
<i>strophciata strophciata</i>	Male	Tsungpo Valley	Southeast Tibet	d	4.3	3.1	73.1	58.1	59.3	21.3	3
<i>strophciata strophciata</i>	Male	Tsungpo Valley	Southeast Tibet	12.5	5.4	2.8	76.0	58.8	55.9	19.6	3
<i>strophciata strophciata</i>	Male	Chang Tang	Tibet	12.1	4.1	2.8	73.2	55.7	55.7	21.7	3
<i>strophciata strophciata</i>	Male	Lho La Chu, Molo	Southeast Tibet	12.1	6.3	3.2	73.7	57.6	58.5	20.0	3
<i>strophciata strophciata</i>	Female	Mapo	South Tibet	11.4	5.0	3.5	66.0	50.9	50.3	17.9	3
<i>strophciata strophciata</i>	Female	Jamila	South Tibet	11.6	4.2	2.9	71.2	59.0	58.5	19.9	3
<i>strophciata strophciata</i>	Female	Longong Chu Valley, Molo	Southeast Tibet	11.4	5.0	3.1	67.1	51.5	50.6	19.0	3
<i>strophciata strophciata</i>	Male	Shillong, Assam	Northeast India	9.8	4.4	2.7	72.8	53.9	50.8	20.4	3
<i>strophciata strophciata</i>	Male	Sanqka, Tsungpo Valley	Southeast Tibet	11.2	4.2	3.0	70.9	55.6	53.9	22.7	3

Taxon	Sex	Location	Country	BL	BW	BH	W	Ti	To	T	Group (pool)
<i>strophciata strophciata</i>	Male	Shillong, Assam	Northeast India	12.1	3.5	2.6	71.9	56.0	56.6	21.1	3
<i>strophciata strophciata</i>	Male	Shillong, Assam	Northeast India	d	d	d	75.2	60.6	57.1	d	3
<i>strophciata strophciata</i>	Male	Shillong, Assam	Northeast India	11.9	4.1	2.8	74.1	55.0	55.6	21.7	3
<i>strophciata strophciata</i>	Male	Li Chiang Range; Northwestern Yunnan	Southwest China	10.2	4.3	3.2	76.7	57.8	57.7	19.0	4
<i>strophciata strophciata</i>	Male	Washan, Yunnan	Southwest China	10.0	4.1	3.0	73.5	55.2	57.4	18.2	4
<i>strophciata strophciata</i>	Male	Li Chiang Range; Northwestern Yunnan	Southwest China	10.5	4.1	3.1	73.8	55.8	54.0	18.0	4
<i>strophciata strophciata</i>	Male	Li Chiang Range; Northwestern Yunnan	Southwest China	10.0	4.3	3.1	74.7	55.5	57.5	19.5	4
<i>strophciata strophciata</i>	Male	Li Chiang Range; Northwestern Yunnan	Southwest China	9.8	4.5	3.3	70.6	57.0	57.3	19.4	4
<i>strophciata strophciata</i>	Male	Li Chiang Range; Northwestern Yunnan	Southwest China	9.6	3.5	2.9	71.2	53.1	54.5	18.9	4
<i>strophciata strophciata</i>	Male	Megtze, Yunnan	Southwest China	10.2	4.5	3.1	73.6	56.5	58.1	18.3	4
<i>strophciata strophciata</i>	Male	Ranmagra Camp, Noa Ding River, Arunachal Pradesh	Northeast India	10.2	4.3	3.4	75.9	59.3	61.0	21.5	3
<i>strophciata strophciata</i>	Male	Doi Pha Hom Pok, Chiang Mai	North Thailand	10.2	4.1	3.0	74.7	57.5	58.3	19.9	5
<i>strophciata strophciata</i>	Male	Doi Pha Hom Pok, Chiang Mai	North Thailand	7.6	2.8	3.2	72.5	55.3	57.0	18.2	5
<i>strophciata strophciata</i>	Male	Doi Pha Hom Pok, Chiang Mai	North Thailand	8.4	4.2	3.1	74.4	57.4	57.5	20.1	5
<i>strophciata strophciata</i>	Male	Doi Pha Hom Pok, Chiang Mai	North Thailand	7.2	4.0	3.4	73.0	57.6	55.8	21.0	5
<i>strophciata strophciata</i>	Female	Doi Pha Hom Pok, Chiang Mai	North Thailand	7.7	4.5	3.1	73.1	57.6	56.8	19.1	5
<i>strophciata strophciata</i>	Male	Doi Pui, Muang District, West of Chiang Mai	North Thailand	8.7	4.4	3.0	73.3	56.3	54.9	21.2	5
<i>strophciata strophciata</i>	Male	Ranmagra Camp, Noa Ding River, Arunachal Pradesh	Northeast India	8.1	4.6	3.4	71.6	52.0	52.8	19.6	3
<i>strophciata strophciata</i>	Male	Ranmagra Camp, Noa Ding River, Arunachal Pradesh	Northeast India	9.7	4.2	3.2	72.2	52.8	54.6	19.3	3
<i>strophciata strophciata</i>	Male	Ranmagra Camp, Noa Ding River, Arunachal Pradesh	Northeast India	8.8	4.2	3.3	75.6	59.3	59.2	19.1	3

Taxon	Sex	Location	Country	BL	BW	BH	W	Ti	To	T	Group (pool)
<i>strophinata strophinata</i>	Male	Ranmagra Camp, Noa Ding River, Arunachal Pradesh	Northeast India	7.5	3.4	3.2	73.4	57.4	58.1	21.3	3
<i>strophinata strophinata</i>	Male	Denyi, Mishmi Hills, Assam	Northeast India	7.2	3.7	3.8	67.7	51.6	50.5	21.9	3