

Table S5.1. Bird specimens from the University of California-Berkeley Museum of Vertebrate Zoology used for gape width measurements.

<b>Number</b>	<b>Family</b>	<b>Species</b>	<b>Sex</b>	<b>Gape (mm)</b>
6121	Bombycillidae	Bombycilla cedrorum	m	13.69
75801	Bombycillidae	Bombycilla cedrorum	m	13.57
103968	Bombycillidae	Bombycilla cedrorum	m	14.16
107408	Bombycillidae	Bombycilla cedrorum	f	11.88
127746	Bombycillidae	Bombycilla cedrorum	m	12.96
164348	Bombycillidae	Bombycilla cedrorum	f	12.03
178731	Bombycillidae	Bombycilla cedrorum	m	13.07
178733	Bombycillidae	Bombycilla cedrorum	f	13.34
178735	Bombycillidae	Bombycilla cedrorum	f	13.37
178756	Bombycillidae	Bombycilla cedrorum	f	12.61
17369	Bombycillidae	Bombycilla garrulus	f	12.90
40130	Bombycillidae	Bombycilla garrulus	m	14.65
40136	Bombycillidae	Bombycilla garrulus	f	14.33
42439	Bombycillidae	Bombycilla garrulus	f	11.78
42440	Bombycillidae	Bombycilla garrulus	m	14.25
49735	Bombycillidae	Bombycilla garrulus	m	14.58
49736	Bombycillidae	Bombycilla garrulus	f	12.71
103962	Bombycillidae	Bombycilla garrulus	f	12.38
103966	Bombycillidae	Bombycilla garrulus	m	12.18
154226	Bombycillidae	Bombycilla garrulus	m	13.88
40502	Bombycillidae	Bombycilla japonica	f	11.43
108582	Bombycillidae	Bombycilla japonica	m	13.48
108583	Bombycillidae	Bombycilla japonica	f	11.17
126506	Bombycillidae	Bombycilla japonica	f	11.00
127129	Bombycillidae	Bombycilla japonica	m	12.13
144158	Bombycillidae	Bombycilla japonica	m	11.45
155539	Bombycillidae	Bombycilla japonica	m	11.96
155540	Bombycillidae	Bombycilla japonica	m	12.28
155541	Bombycillidae	Bombycilla japonica	f	10.45
155542	Bombycillidae	Bombycilla japonica	f	10.39
4200	Bombycillidae	Phainopepla nittens	f	9.18
5747	Bombycillidae	Phainopepla nittens	m	9.89
13490	Bombycillidae	Phainopepla nittens	f	9.50
62633	Bombycillidae	Phainopepla nittens	f	10.80
64243	Bombycillidae	Phainopepla nittens	f	9.22
64245	Bombycillidae	Phainopepla nittens	m	10.42
74833	Bombycillidae	Phainopepla nittens	m	9.85

107414	Bombycillidae	Phainopepla nittens	m	10.32
125699	Bombycillidae	Phainopepla nittens	m	10.61
136678	Bombycillidae	Phainopepla nittens	f	9.63
108587	Bombycillidae	Phainoptila melanoxantha	f	10.25
155675	Bombycillidae	Phainoptila melanoxantha	m	11.83
157452	Bombycillidae	Phainoptila melanoxantha	m	11.97
155673	Bombycillidae	Ptilogonys caudatus	m	12.09
155674	Bombycillidae	Ptilogonys caudatus	m	12.79
162049	Bombycillidae	Ptilogonys caudatus	m	13.88
162050	Bombycillidae	Ptilogonys caudatus	f	12.78
112698	Bombycillidae	Ptilogonys cinereus	m	11.95
112667	Bombycillidae	Ptilogonys cinereus	f	11.42
112670	Bombycillidae	Ptilogonys cinereus	f	11.54
112671	Bombycillidae	Ptilogonys cinereus	m	10.95
112695	Bombycillidae	Ptilogonys cinereus	m	11.54
112699	Bombycillidae	Ptilogonys cinereus	f	11.54
112700	Bombycillidae	Ptilogonys cinereus	m	11.61
112701	Bombycillidae	Ptilogonys cinereus	f	11.20
112702	Bombycillidae	Ptilogonys cinereus	m	10.34
112704	Bombycillidae	Ptilogonys cinereus	f	11.33
30986	Bucerotidae	Aceros leucocephalus	f	35.46
136622	Bucerotidae	Aceros undulatus	f	50.68
30985	Bucerotidae	Penelopides panini	m	33.15
97321	Bucerotidae	Penelopides panini	m	34.53
89987	Bucerotidae	Rhyticeros plicatus	f	41.05
no label	Bucerotidae	Rhyticeros plicatus	u	49.28
96864	Bucerotidae	Tockus erythrorhynchus	m	19.89
137594	Bucerotidae	Tockus erythrorhynchus	u	18.46
70218	Bucerotidae	Tockus fasciatus	u	24.00
70291	Bucerotidae	Tockus hemporichii	m	27.74
148891	Chloropseidae	Chloropsis aurifrons	f	10.61
44622	Chloropseidae	Chloropsis hardwickii	m	11.17
49090	Chloropseidae	Chloropsis hardwickii	f	9.57
49091	Chloropseidae	Chloropsis hardwickii	m	11.12
49092	Chloropseidae	Chloropsis hardwickii	m	10.59
108409	Chloropseidae	Chloropsis hardwickii	m	10.11
108410	Chloropseidae	Chloropsis hardwickii	f	9.03
50634	Chloropseidae	Chloropsis palawanensis	m	10.99
50635	Chloropseidae	Chloropsis palawanensis	f	10.90
70211	Coliidae	Colius striatus	f	11.40
133937	Coliidae	Colius striatus	m	12.37
136698	Coliidae	Colius striatus	f	12.13
136699	Coliidae	Colius striatus	f	11.49

137865	Coliidae	<i>Colius striatus</i>	f	14.08
137956	Coliidae	<i>Colius striatus</i>	f	11.68
160260	Coliidae	<i>Colius striatus</i>	m	11.24
160261	Coliidae	<i>Colius striatus</i>	m	12.29
125635	Cotingidae	<i>Ampelion rubrocrista</i>	m	16.00
140689	Cotingidae	<i>Ampelion rubrocrista</i>	m	15.56
154545	Cotingidae	<i>Ampelion rubrocrista</i>	m	15.39
155198	Cotingidae	<i>Ampelion rubrocrista</i>	m	15.66
156500	Cotingidae	<i>Ampelion rubrocrista</i>	m	15.74
157823	Cotingidae	<i>Ampelion rufaxilla</i>	m	15.74
157824	Cotingidae	<i>Ampelion rufaxilla</i>	m	16.72
157825	Cotingidae	<i>Ampelion rufaxilla</i>	u	17.06
160970	Cotingidae	<i>Ampelion rufaxilla</i>	m	15.75
140690	Cotingidae	<i>Cephalopterus ornatus</i>	f	28.29
142508	Cotingidae	<i>Cotinga amabilis</i>	m	15.38
142509	Cotingidae	<i>Cotinga amabilis</i>	u	16.86
108262	Cotingidae	<i>Cotinga cotinga</i>	m	14.04
157245	Cotingidae	<i>Cotinga ridgwayi</i>	m	15.54
163566	Cotingidae	<i>Gymnoderus foetidus</i>	f	17.04
133723	Cotingidae	<i>Laniocera rufescens</i>	m	16.25
133724	Cotingidae	<i>Laniocera rufescens</i>	m	17.02
154888	Cotingidae	<i>Laniocera rufescens</i>	m	15.22
128683	Cotingidae	<i>Lipaugus unirufus</i>	f	18.10
133485	Cotingidae	<i>Lipaugus unirufus</i>	m	17.34
123574	Cotingidae	<i>Lipaugus vociferans</i>	m	17.92
123575	Cotingidae	<i>Lipaugus vociferans</i>	m	17.64
165241	Cotingidae	<i>Lipaugus vociferans</i>	m	19.69
165242	Cotingidae	<i>Lipaugus vociferans</i>	f	17.30
136180	Cotingidae	<i>Pachyramphus aglaiae</i>	m	14.57
136181	Cotingidae	<i>Pachyramphus aglaiae</i>	f	12.63
137725	Cotingidae	<i>Pachyramphus aglaiae</i>	m	14.78
137726	Cotingidae	<i>Pachyramphus aglaiae</i>	m	13.57
137730	Cotingidae	<i>Pachyramphus aglaiae</i>	f	13.31
142904	Cotingidae	<i>Pachyramphus aglaiae</i>	f	13.75
153301	Cotingidae	<i>Pachyramphus aglaiae</i>	m	14.55
153304	Cotingidae	<i>Pachyramphus aglaiae</i>	f	14.62
153305	Cotingidae	<i>Pachyramphus aglaiae</i>	m	13.53
163289	Cotingidae	<i>Pachyramphus viridis</i>	m	11.41
168136	Cotingidae	<i>Pachyramphus viridis</i>	f	10.80
156503	Cotingidae	<i>Pipreola arcuata</i>	m	14.98
108264	Cotingidae	<i>Pipreola aureopectus</i>	m	14.17
165240	Cotingidae	<i>Pipreola chlorolepidota</i>	m	12.90
138503	Cotingidae	<i>Pipreola riefferii</i>	f	13.34

138504	Cotingidae	Pipreola riefferii	m	13.59
138505	Cotingidae	Pipreola riefferii	m	14.37
138506	Cotingidae	Pipreola riefferii	f	12.99
138507	Cotingidae	Pipreola riefferii	f	14.31
138509	Cotingidae	Pipreola riefferii	m	13.15
154547	Cotingidae	Pipreola riefferii	m	14.05
160950	Cotingidae	Pipreola riefferii	m	13.30
160951	Cotingidae	Pipreola riefferii	f	12.94
160952	Cotingidae	Pipreola riefferii	f	13.67
169506	Cotingidae	Porphyrolaema porphyrolaema	m	14.86
41713	Cotingidae	Procnias tricarunculata	m	28.98
157255	Cotingidae	Procnias tricarunculata	m	31.03
161983	Cotingidae	Procnias tricarunculata	m	28.18
69966	Cotingidae	Querula purpurata	m	20.04
108266	Cotingidae	Querula purpurata	m	20.11
123581	Cotingidae	Querula purpurata	m	21.87
123582	Cotingidae	Querula purpurata	f	20.02
123583	Cotingidae	Querula purpurata	m	19.99
123584	Cotingidae	Querula purpurata	f	19.18
157254	Cotingidae	Querula purpurata	m	19.94
26676	Cotingidae	Rupicola peruviana	m	22.02
108288	Cotingidae	Rupicola peruviana	m	22.05
120551	Cotingidae	Rupicola peruviana	m	18.99
126403	Cotingidae	Rupicola peruviana	f	20.84
134064	Cotingidae	Rupicola peruviana	f	22.46
138524	Cotingidae	Rupicola peruviana	m	21.09
140697	Cotingidae	Rupicola peruviana	m	18.61
140699	Cotingidae	Rupicola peruviana	f	22.62
108286	Cotingidae	Rupicola rupicola	m	21.26
108287	Cotingidae	Rupicola rupicola	m	21.20
155140	Cotingidae	Rupicola rupicola	m	19.08
123587	Cotingidae	Schiffornis turdinus	m	12.10
123588	Cotingidae	Schiffornis turdinus	f	13.29
123589	Cotingidae	Schiffornis turdinus	m	11.80
131360	Cotingidae	Schiffornis turdinus	f	13.91
133727	Cotingidae	Schiffornis turdinus	m	11.26
133728	Cotingidae	Schiffornis turdinus	f	12.63
166984	Cotingidae	Schiffornis virescens	m	10.37
166985	Cotingidae	Schiffornis virescens	f	10.31
166986	Cotingidae	Schiffornis virescens	m	11.24
166987	Cotingidae	Schiffornis virescens	m	10.69
123580	Cotingidae	Tityra cayana	f	19.90
152842	Cotingidae	Tityra cayana	m	18.51

169528	Cotingidae	Tityra cayana	f	18.95
169529	Cotingidae	Tityra cayana	m	18.44
54299	Cotingidae	Tityra inquisitor	f	15.85
93861	Cotingidae	Tityra inquisitor	f	15.60
93862	Cotingidae	Tityra inquisitor	m	17.23
133487	Cotingidae	Tityra inquisitor	m	18.04
142515	Cotingidae	Tityra inquisitor	f	15.28
160969	Cotingidae	Tityra inquisitor	f	15.37
161453	Cotingidae	Tityra inquisitor	f	16.18
85953	Cotingidae	Tityra semifasciata	f	17.62
85955	Cotingidae	Tityra semifasciata	f	19.39
108265	Cotingidae	Tityra semifasciata	m	19.86
110483	Cotingidae	Tityra semifasciata	f	19.74
136186	Cotingidae	Tityra semifasciata	m	19.37
138522	Cotingidae	Tityra semifasciata	m	18.24
138523	Cotingidae	Tityra semifasciata	f	17.22
161986	Cotingidae	Tityra semifasciata	m	20.36
165244	Cotingidae	Tityra semifasciata	f	19.25
169530	Cotingidae	Tityra semifasciata	m	18.94
108263	Cotingidae	Xipholena punicea	m	15.75
155139	Cotingidae	Xipholena punicea	m	15.86
133795	Cotingidae	Zaratornis stresemanni	f	13.78
156501	Cotingidae	Zaratornis stresemanni	f	13.99
156502	Cotingidae	Zaratornis stresemanni	f	12.50
90004	Dicaeidae	Dicaeum aeneum	m	7.09
90005	Dicaeidae	Dicaeum aeneum	m	7.69
93384	Dicaeidae	Dicaeum aeneum	m	7.45
93385	Dicaeidae	Dicaeum aeneum	f	7.67
93386	Dicaeidae	Dicaeum aeneum	f	6.81
93387	Dicaeidae	Dicaeum aeneum	m	7.35
132867	Dicaeidae	Dicaeum cruentatum	m	4.96
152150	Dicaeidae	Dicaeum cruentatum	u	5.92
155145	Dicaeidae	Dicaeum cruentatum	m	5.85
155154	Dicaeidae	Dicaeum cruentatum	m	5.84
41802	Dicaeidae	Dicaeum hirundinaceum	m	7.49
143217	Dicaeidae	Dicaeum hirundinaceum	m	6.67
143218	Dicaeidae	Dicaeum hirundinaceum	f	6.53
149047	Dicaeidae	Dicaeum hirundinaceum	m	6.93
49182	Dicaeidae	Dicaeum ignipectus	m	6.32
49183	Dicaeidae	Dicaeum ignipectus	f	6.13
49184	Dicaeidae	Dicaeum ignipectus	m	6.58
49185	Dicaeidae	Dicaeum ignipectus	m	6.26
49186	Dicaeidae	Dicaeum ignipectus	m	6.01

49187	Dicaeidae	<i>Dicaeum ignipectus</i>	f	6.10
140345	Dicaeidae	<i>Dicaeum ignipectus</i>	f	5.43
140346	Dicaeidae	<i>Dicaeum ignipectus</i>	m	6.20
43834	Dicaeidae	<i>Dicaeum trigonostigma</i>	f	6.57
43835	Dicaeidae	<i>Dicaeum trigonostigma</i>	m	6.67
43836	Dicaeidae	<i>Dicaeum trigonostigma</i>	m	6.21
43837	Dicaeidae	<i>Dicaeum trigonostigma</i>	m	5.94
43838	Dicaeidae	<i>Dicaeum trigonostigma</i>	m	6.98
43839	Dicaeidae	<i>Dicaeum trigonostigma</i>	f	6.34
43840	Dicaeidae	<i>Dicaeum trigonostigma</i>	f	6.58
43841	Dicaeidae	<i>Dicaeum trigonostigma</i>	f	6.06
43842	Dicaeidae	<i>Dicaeum trigonostigma</i>	m	6.62
132868	Dicaeidae	<i>Dicaeum trigonostigma</i>	f	6.23
129001	Dicaeidae	<i>Dicaeum trochileum</i>	m	5.81
129002	Dicaeidae	<i>Dicaeum trochileum</i>	f	5.62
132865	Dicaeidae	<i>Dicaeum trochileum</i>	f	5.48
132866	Dicaeidae	<i>Dicaeum trochileum</i>	m	6.59
43843	Dicaeidae	<i>Prionochilus percussus</i>	f	6.09
43844	Dicaeidae	<i>Prionochilus percussus</i>	m	5.02
43845	Dicaeidae	<i>Prionochilus percussus</i>	f	6.96
132869	Dicaeidae	<i>Prionochilus percussus</i>	m	6.69
50652	Dicaeidae	<i>Prionochilus plateni</i>	m	7.16
50653	Dicaeidae	<i>Prionochilus plateni</i>	f	6.95
177293	Dulidae	<i>Dulus dominicus</i>	f	12.10
177294	Dulidae	<i>Dulus dominicus</i>	f	13.00
177295	Dulidae	<i>Dulus dominicus</i>	m	11.38
177296	Dulidae	<i>Dulus dominicus</i>	f	11.83
177297	Dulidae	<i>Dulus dominicus</i>	m	12.97
178912	Dulidae	<i>Dulus dominicus</i>	m	11.78
178913	Dulidae	<i>Dulus dominicus</i>	m	13.06
178914	Dulidae	<i>Dulus dominicus</i>	m	13.06
178915	Dulidae	<i>Dulus dominicus</i>	f	13.35
178917	Dulidae	<i>Dulus dominicus</i>	f	13.43
108245	Eurylaimidae	<i>Calypomena viridis</i>	m	16.90
89679	Eurylaimidae	<i>Eurylaimus javanicus</i>	m	23.50
42703	Irenidae	<i>Irena puella</i>	m	11.95
42704	Irenidae	<i>Irena puella</i>	f	12.60
43861	Irenidae	<i>Irena puella</i>	f	12.78
43863	Irenidae	<i>Irena puella</i>	m	13.09
43864	Irenidae	<i>Irena puella</i>	m	13.47
43865	Irenidae	<i>Irena puella</i>	f	12.90
50636	Irenidae	<i>Irena puella</i>	m	13.50
50637	Irenidae	<i>Irena puella</i>	f	12.88

162359	Irenidae	<i>Irena puella</i>	m	13.46
41755	Meliphagidae	<i>Entomyzon cyanotis</i>	u	15.72
62360	Meliphagidae	<i>Entomyzon cyanotis</i>	u	15.14
62361	Meliphagidae	<i>Entomyzon cyanotis</i>	u	13.11
149236	Meliphagidae	<i>Melipotes belfordi</i>	m	11.04
149237	Meliphagidae	<i>Melipotes belfordi</i>	m	11.33
149232	Meliphagidae	<i>Melipotes fumigatus</i>	f	11.43
149233	Meliphagidae	<i>Melipotes fumigatus</i>	m	10.38
149234	Meliphagidae	<i>Melipotes fumigatus</i>	m	10.44
149235	Meliphagidae	<i>Melipotes fumigatus</i>	f	11.56
41763	Meliphagidae	<i>Philemon corniculatus</i>	u	10.24
93688	Meliphagidae	<i>Philemon novaeguinae</i>	f	14.23
149252	Meliphagidae	<i>Philemon novaeguinae</i>	f	14.51
44295	Meliphagidae	<i>Prosthemadera novaeseelandiae</i>	m	13.47
132926	Paradiseidae	<i>Astrapia stephaniae</i>	m	14.74
135156	Paradiseidae	<i>Astrapia stephaniae</i>	m	13.18
149139	Paradiseidae	<i>Astrapia stephaniae</i>	f	13.28
149140	Paradiseidae	<i>Astrapia stephaniae</i>	f	15.40
149141	Paradiseidae	<i>Astrapia stephaniae</i>	m	13.69
108386	Paradiseidae	<i>Cicinnurus magnificus</i>	m	12.52
134065	Paradiseidae	<i>Cicinnurus magnificus</i>	m	11.67
152148	Paradiseidae	<i>Cicinnurus magnificus</i>	m	10.70
46113	Paradiseidae	<i>Cicinnurus regis</i>	m	11.16
93687	Paradiseidae	<i>Cicinnurus regis</i>	f	10.64
108387	Paradiseidae	<i>Cicinnurus regis</i>	m	11.19
108388	Paradiseidae	<i>Cicinnurus regis</i>	m	13.29
149143	Paradiseidae	<i>Cicinnurus regis</i>	m	12.83
134849	Paradiseidae	<i>Epimachus meyeri</i>	u	16.66
108384	Paradiseidae	<i>Lophorina superba</i>	m	10.14
155142	Paradiseidae	<i>Lophorina superba</i>	m	11.03
45855	Paradiseidae	<i>Paradisea apoda</i>	m	12.34
93686	Paradiseidae	<i>Paradisea minor</i>	m	17.14
22468	Paradiseidae	<i>Paradisea minor</i>	m	16.79
52901	Paradiseidae	<i>Paradisea minor</i>	m	17.05
73358	Paradiseidae	<i>Paradisea minor</i>	m	17.25
141905	Paradiseidae	<i>Paradisea minor</i>	m	19.96
177230	Paradiseidae	<i>Paradisea minor</i>	m	13.99
149145	Paradiseidae	<i>Paradisea raggiana</i>	f	15.12
149146	Paradiseidae	<i>Paradisea raggiana</i>	m	16.30
149147	Paradiseidae	<i>Paradisea raggiana</i>	f	15.14
108379	Paradiseidae	<i>Paradisea raggiana</i>	m	14.60
149144	Paradiseidae	<i>Paradisea raggiana</i>	m	17.10
142666	Paradiseidae	<i>Paradisea rubra</i>	m	14.20

149148	Paradiseidae	Paradisea ruldophi	m	14.51
108385	Paradiseidae	Paroitia lawesii	m	17.74
149142	Paradiseidae	Paroitia lawesii	f	14.96
136482	Paradiseidae	Parotia carolae	m	16.51
44294	Paradiseidae	Ptiloris magnifica	u	17.23
108383	Paradiseidae	Ptiloris magnifica	m	17.26
108380	Paradiseidae	Ptiloris paradiseus	m	17.14
108381	Paradiseidae	Ptiloris victoriae	m	17.05
108382	Paradiseidae	Ptiloris victoriae	f	17.16
164191	Phoeniculidae	Phoeniculus bollei	f	12.26
133940	Phoeniculidae	Phoeniculus purpureus	m	13.94
133941	Phoeniculidae	Phoeniculus purpureus	m	13.06
130666	Pipridae	Chiroxiphia caudata	m	10.94
130667	Pipridae	Chiroxiphia caudata	f	11.08
130668	Pipridae	Chiroxiphia caudata	f	11.28
130669	Pipridae	Chiroxiphia caudata	m	12.01
130670	Pipridae	Chiroxiphia caudata	m	11.78
166983	Pipridae	Chiroxiphia caudata	m	11.55
181809	Pipridae	Chiroxiphia lanceolata	m	10.65
181812	Pipridae	Chiroxiphia lanceolata	m	10.39
181813	Pipridae	Chiroxiphia lanceolata	m	9.85
85927	Pipridae	Chiroxiphia linearis	f	9.09
157270	Pipridae	Chiroxiphia linearis	m	9.59
157273	Pipridae	Chiroxiphia linearis	f	9.47
157274	Pipridae	Chiroxiphia linearis	f	10.03
157275	Pipridae	Chiroxiphia linearis	m	10.60
157276	Pipridae	Chiroxiphia linearis	f	9.65
157277	Pipridae	Chiroxiphia linearis	m	9.13
157278	Pipridae	Chiroxiphia linearis	m	9.96
157284	Pipridae	Chiroxiphia linearis	f	11.28
166390	Pipridae	Chiroxiphia linearis	m	9.57
108278	Pipridae	Chiroxiphia pareola	m	10.76
165286	Pipridae	Chiroxiphia pareola	f	9.93
166845	Pipridae	Chiroxiphia pareola	m	9.54
166846	Pipridae	Chiroxiphia pareola	f	8.80
166847	Pipridae	Chiroxiphia pareola	m	10.56
166848	Pipridae	Chiroxiphia pareola	m	9.55
166849	Pipridae	Chiroxiphia pareola	m	10.27
138497	Pipridae	Chloropipo flavicapilla	f	11.30
138498	Pipridae	Chloropipo flavicapilla	f	11.00
138499	Pipridae	Chloropipo flavicapilla	f	12.19
138500	Pipridae	Chloropipo flavicapilla	f	11.69
138501	Pipridae	Chloropipo flavicapilla	f	10.98



165304	Pipridae	Chloropipo flavicapilla	f	10.23
165306	Pipridae	Chloropipo holochlora	m	10.76
157296	Pipridae	Corapipo altera	m	9.30
157299	Pipridae	Corapipo altera	f	8.67
157307	Pipridae	Corapipo altera	m	8.47
157308	Pipridae	Corapipo altera	f	8.40
157309	Pipridae	Corapipo altera	f	9.12
157310	Pipridae	Corapipo altera	m	8.22
157311	Pipridae	Corapipo altera	f	9.03
157316	Pipridae	Corapipo altera	m	8.94
157317	Pipridae	Corapipo altera	f	8.67
157322	Pipridae	Corapipo altera	m	7.44
108279	Pipridae	Corapipo gutturalis	m	7.95
130671	Pipridae	Illicura millitaris	m	8.24
152318	Pipridae	Machaeropterus regulus	m	8.53
152320	Pipridae	Machaeropterus regulus	m	8.33
154553	Pipridae	Machaeropterus regulus	m	8.43
154554	Pipridae	Machaeropterus regulus	f	8.09
154555	Pipridae	Machaeropterus regulus	f	8.90
163571	Pipridae	Machaeropterus regulus	m	7.80
165298	Pipridae	Machaeropterus regulus	m	8.84
165300	Pipridae	Machaeropterus regulus	f	8.64
165301	Pipridae	Machaeropterus regulus	f	8.20
165302	Pipridae	Machaeropterus regulus	f	9.25
41717	Pipridae	Manacus aurantiacus	f	9.61
108283	Pipridae	Manacus aurantiacus	m	9.84
108284	Pipridae	Manacus aurantiacus	f	9.21
108285	Pipridae	Manacus candei	m	10.29
155647	Pipridae	Manacus candei	m	10.32
157327	Pipridae	Manacus candei	f	11.41
157328	Pipridae	Manacus candei	f	9.92
157329	Pipridae	Manacus candei	f	10.66
160588	Pipridae	Manacus candei	f	9.87
160589	Pipridae	Manacus candei	f	10.05
151319	Pipridae	Manacus manacus	m	10.18
152845	Pipridae	Manacus manacus	m	10.49
152848	Pipridae	Manacus manacus	m	10.01
152851	Pipridae	Manacus manacus	m	10.74
152853	Pipridae	Manacus manacus	f	10.24
152854	Pipridae	Manacus manacus	f	10.31
154558	Pipridae	Manacus manacus	f	11.06
160963	Pipridae	Manacus manacus	m	11.13
160965	Pipridae	Manacus manacus	f	10.92

165295	Pipridae	Manacus manacus	f	11.24
108281	Pipridae	Manacus vitellinus	m	10.10
108282	Pipridae	Manacus vitellinus	m	9.55
140694	Pipridae	Manacus vitellinus	m	9.17
154891	Pipridae	Manacus vitellinus	m	11.17
138502	Pipridae	Masius chrysopterus	f	8.70
140693	Pipridae	Masius chrysopterus	m	7.38
130677	Pipridae	Neopelma aurifrons	m	9.59
108267	Pipridae	Pipra aureola	m	9.87
108269	Pipridae	Pipra coronata	m	9.98
155645	Pipridae	Pipra coronata	m	9.17
157258	Pipridae	Pipra coronata	m	7.80
157259	Pipridae	Pipra coronata	m	7.99
157260	Pipridae	Pipra coronata	f	9.04
157261	Pipridae	Pipra coronata	f	9.14
157264	Pipridae	Pipra coronata	f	9.29
157265	Pipridae	Pipra coronata	m	8.94
160218	Pipridae	Pipra coronata	f	8.54
165276	Pipridae	Pipra coronata	f	8.72
26672	Pipridae	Pipra erythrocephela	m	10.70
140691	Pipridae	Pipra erythrocephela	f	9.45
154549	Pipridae	Pipra erythrocephela	m	11.17
160960	Pipridae	Pipra erythrocephela	f	10.03
160961	Pipridae	Pipra erythrocephela	f	9.78
165253	Pipridae	Pipra erythrocephela	m	11.39
165258	Pipridae	Pipra erythrocephela	f	9.73
165264	Pipridae	Pipra erythrocephela	m	10.00
165267	Pipridae	Pipra erythrocephela	m	11.16
165386	Pipridae	Pipra erythrocephela	f	10.53
166979	Pipridae	Pipra fasciicauda	f	10.36
166982	Pipridae	Pipra fasciicauda	f	10.30
169510	Pipridae	Pipra fasciicauda	f	9.99
169512	Pipridae	Pipra fasciicauda	m	9.51
169514	Pipridae	Pipra fasciicauda	m	10.87
169515	Pipridae	Pipra fasciicauda	f	10.26
169645	Pipridae	Pipra fasciicauda	m	10.19
169648	Pipridae	Pipra fasciicauda	f	10.58
169649	Pipridae	Pipra fasciicauda	m	12.66
169652	Pipridae	Pipra fasciicauda	m	11.16
108277	Pipridae	Pipra filicauda	m	9.30
160966	Pipridae	Pipra filicauda	m	9.95
160967	Pipridae	Pipra filicauda	f	9.59
165279	Pipridae	Pipra filicauda	m	10.07

165281	Pipridae	<i>Pipra filicauda</i>	m	9.79
165282	Pipridae	<i>Pipra filicauda</i>	f	10.03
165285	Pipridae	<i>Pipra filicauda</i>	m	10.80
108272	Pipridae	<i>Pipra mentalis</i>	m	9.65
108274	Pipridae	<i>Pipra mentalis</i>	m	8.74
131359	Pipridae	<i>Pipra mentalis</i>	m	9.95
133725	Pipridae	<i>Pipra mentalis</i>	m	10.80
133726	Pipridae	<i>Pipra mentalis</i>	f	10.36
148591	Pipridae	<i>Pipra mentalis</i>	f	10.36
154889	Pipridae	<i>Pipra mentalis</i>	m	9.40
157267	Pipridae	<i>Pipra mentalis</i>	f	10.64
108276	Pipridae	<i>Pipra pipra</i>	m	11.11
169644	Pipridae	<i>Piprites chloris</i>	m	11.44
41902	Ptilonorhynchidae	<i>Ailuroedus crassirostris</i>	m	17.48
149136	Ptilonorhynchidae	<i>Amblyornis macgregoriae</i>	m	15.77
149137	Ptilonorhynchidae	<i>Chlamydera cerviniventris</i>	m	17.76
149138	Ptilonorhynchidae	<i>Chlamydera cerviniventris</i>	m	17.69
45849	Ptilonorhynchidae	<i>Ptilonorhynchus violaceus</i>	m	17.23
62358	Ptilonorhynchidae	<i>Ptilonorhynchus violaceus</i>	m	16.97
62359	Ptilonorhynchidae	<i>Ptilonorhynchus violaceus</i>	f	16.95
108376	Ptilonorhynchidae	<i>Ptilonorhynchus violaceus</i>	m	15.53
137571	Ptilonorhynchidae	<i>Ptilonorhynchus violaceus</i>	f	15.94
108378	Ptilonorhynchidae	<i>Sericulus aureus</i>	m	17.00
62362	Ptilonorhynchidae	<i>Sericulus chrysocephalus</i>	m	12.65
108377	Ptilonorhynchidae	<i>Sericulus chrysocephalus</i>	m	12.29
164227	Pycnonotidae	<i>Andropadus curvirostris</i>	f	9.09
164229	Pycnonotidae	<i>Andropadus curvirostris</i>	m	8.93
164230	Pycnonotidae	<i>Andropadus curvirostris</i>	m	8.71
160273	Pycnonotidae	<i>Andropadus latirostris</i>	f	10.69
160274	Pycnonotidae	<i>Andropadus latirostris</i>	m	12.54
160275	Pycnonotidae	<i>Andropadus latirostris</i>	f	12.03
160276	Pycnonotidae	<i>Andropadus latirostris</i>	f	11.12
164240	Pycnonotidae	<i>Criniger barbatus</i>	f	12.00
164241	Pycnonotidae	<i>Criniger calurus</i>	m	12.64
49110	Pycnonotidae	<i>Hypsipetes madagascariensis</i>	m	13.06
140322	Pycnonotidae	<i>Hypsipetes madagascariensis</i>	m	11.84
164120	Pycnonotidae	<i>Hypsipetes madagascariensis</i>	f	11.83
164121	Pycnonotidae	<i>Hypsipetes madagascariensis</i>	f	11.27
164122	Pycnonotidae	<i>Hypsipetes madagascariensis</i>	f	10.96
164123	Pycnonotidae	<i>Hypsipetes madagascariensis</i>	f	10.76
44122	Pycnonotidae	<i>Hypsipetes mccllellandi</i>	f	8.62
44123	Pycnonotidae	<i>Hypsipetes mccllellandi</i>	m	8.74
49098	Pycnonotidae	<i>Hypsipetes mccllellandi</i>	u	9.77

49099	Pycnonotidae	Hypsipetes mccllelandi	m	9.92
160367	Pycnonotidae	Hypsipetes mccllelandi	m	9.81
124215	Pycnonotidae	Ixos amaurotis	m	12.87
124217	Pycnonotidae	Ixos amaurotis	m	13.02
126552	Pycnonotidae	Ixos amaurotis	f	12.90
128716	Pycnonotidae	Ixos amaurotis	f	13.11
128787	Pycnonotidae	Ixos amaurotis	m	12.40
130913	Pycnonotidae	Ixos amaurotis	m	12.27
130914	Pycnonotidae	Ixos amaurotis	f	11.86
132682	Pycnonotidae	Ixos amaurotis	m	12.94
133992	Pycnonotidae	Ixos amaurotis	f	12.91
152189	Pycnonotidae	Ixos amaurotis	f	12.36
50641	Pycnonotidae	Ixos palawanensis	f	9.89
50642	Pycnonotidae	Ixos palawanensis	m	10.27
50638	Pycnonotidae	Ixos philippinus	m	10.32
97349	Pycnonotidae	Ixos philippinus	m	10.37
97350	Pycnonotidae	Ixos philippinus	m	10.15
97351	Pycnonotidae	Ixos philippinus	m	11.21
97352	Pycnonotidae	Ixos philippinus	f	10.45
108414	Pycnonotidae	Ixos philippinus	m	9.91
108542	Pycnonotidae	Nicator chloris	m	11.77
42708	Pycnonotidae	Pycnonotus atriceps	m	10.29
42709	Pycnonotidae	Pycnonotus atriceps	f	11.04
43852	Pycnonotidae	Pycnonotus atriceps	f	10.95
50639	Pycnonotidae	Pycnonotus atriceps	m	10.92
50640	Pycnonotidae	Pycnonotus atriceps	f	9.80
156056	Pycnonotidae	Pycnonotus atriceps	m	10.32
156057	Pycnonotidae	Pycnonotus atriceps	f	10.34
49100	Pycnonotidae	Pycnonotus aurigaster	m	11.32
49101	Pycnonotidae	Pycnonotus aurigaster	f	10.82
128992	Pycnonotidae	Pycnonotus aurigaster	m	13.20
132833	Pycnonotidae	Pycnonotus aurigaster	m	13.81
148716	Pycnonotidae	Pycnonotus aurigaster	f	11.31
148717	Pycnonotidae	Pycnonotus aurigaster	f	10.65
148718	Pycnonotidae	Pycnonotus aurigaster	m	11.85
148719	Pycnonotidae	Pycnonotus aurigaster	m	11.36
156059	Pycnonotidae	Pycnonotus aurigaster	f	10.02
70232	Pycnonotidae	Pycnonotus barbatus	m	11.14
137971	Pycnonotidae	Pycnonotus barbatus	f	10.35
158753	Pycnonotidae	Pycnonotus barbatus	f	10.21
160270	Pycnonotidae	Pycnonotus barbatus	m	11.76
160272	Pycnonotidae	Pycnonotus barbatus	f	10.94
164213	Pycnonotidae	Pycnonotus barbatus	m	10.58

164218	Pycnonotidae	Pycnonotus barbatus	m	10.36
164219	Pycnonotidae	Pycnonotus barbatus	m	10.33
164220	Pycnonotidae	Pycnonotus barbatus	f	10.99
164221	Pycnonotidae	Pycnonotus barbatus	f	10.11
15060	Pycnonotidae	Pycnonotus blanfordi	m	10.35
160366	Pycnonotidae	Pycnonotus blanfordi	m	10.42
42710	Pycnonotidae	Pycnonotus brunneus	m	9.12
42711	Pycnonotidae	Pycnonotus brunneus	m	10.28
46756	Pycnonotidae	Pycnonotus cafer	u	13.13
132137	Pycnonotidae	Pycnonotus cafer	f	11.15
42716	Pycnonotidae	Pycnonotus cyaniventris	m	9.81
42717	Pycnonotidae	Pycnonotus cyaniventris	f	9.96
148725	Pycnonotidae	Pycnonotus flavescens	m	9.61
148726	Pycnonotidae	Pycnonotus flavescens	m	9.74
148727	Pycnonotidae	Pycnonotus flavescens	m	9.58
31007	Pycnonotidae	Pycnonotus goiavier	f	9.41
42714	Pycnonotidae	Pycnonotus goiavier	m	11.07
42715	Pycnonotidae	Pycnonotus goiavier	f	11.02
97346	Pycnonotidae	Pycnonotus goiavier	f	9.66
97347	Pycnonotidae	Pycnonotus goiavier	f	9.11
97348	Pycnonotidae	Pycnonotus goiavier	f	9.29
132834	Pycnonotidae	Pycnonotus goiavier	m	11.41
156061	Pycnonotidae	Pycnonotus goiavier	m	10.41
156062	Pycnonotidae	Pycnonotus goiavier	m	10.06
42712	Pycnonotidae	Pycnonotus plumosus	m	10.50
42713	Pycnonotidae	Pycnonotus plumosus	f	10.49
43854	Pycnonotidae	Pycnonotus plumosus	m	10.88
43855	Pycnonotidae	Pycnonotus plumosus	f	11.23
43857	Pycnonotidae	Pycnonotus plumosus	f	10.20
43858	Pycnonotidae	Pycnonotus plumosus	m	10.62
43859	Pycnonotidae	Pycnonotus plumosus	m	10.86
43860	Pycnonotidae	Pycnonotus plumosus	f	10.32
50644	Pycnonotidae	Pycnonotus plumosus	f	10.37
50645	Pycnonotidae	Pycnonotus plumosus	m	11.06
44129	Pycnonotidae	Pycnonotus simplex	m	10.27
49102	Pycnonotidae	Pycnonotus sinensis	u	11.12
49103	Pycnonotidae	Pycnonotus sinensis	u	11.09
49104	Pycnonotidae	Pycnonotus sinensis	f	9.64
108411	Pycnonotidae	Pycnonotus sinensis	f	10.02
108412	Pycnonotidae	Pycnonotus sinensis	m	9.98
108413	Pycnonotidae	Pycnonotus sinensis	u	11.71
140068	Pycnonotidae	Pycnonotus sinensis	f	11.22
140319	Pycnonotidae	Pycnonotus sinensis	f	11.03

140320	Pycnonotidae	Pycnonotus sinensis	m	10.32
140321	Pycnonotidae	Pycnonotus sinensis	m	9.53
132136	Pycnonotidae	Pynonotus leucogenys	f	11.13
134535	Pycnonotidae	Pynonotus leucogenys	m	10.37
134536	Pycnonotidae	Pynonotus leucogenys	m	12.32
134537	Pycnonotidae	Pynonotus leucogenys	m	11.55
49105	Pycnonotidae	Spizixos semitorques	m	12.29
49106	Pycnonotidae	Spizixos semitorques	f	12.32
49107	Pycnonotidae	Spizixos semitorques	f	11.39
49108	Pycnonotidae	Spizixos semitorques	f	11.86
49109	Pycnonotidae	Spizixos semitorques	f	11.90
140318	Pycnonotidae	Spizixos semitorques	m	12.67
140678	Ramphastidae	Andigena nigrirostris	f	33.80
140679	Ramphastidae	Andigena nigrirostris	f	31.15
120517	Ramphastidae	Andigena nigrirostris	m	34.50
120518	Ramphastidae	Andigena nigrirostris	f	33.11
132940	Ramphastidae	Aulachorynchus caeruleogularis	m	25.23
161943	Ramphastidae	Aulachorynchus caeruleogularis	f	24.47
161944	Ramphastidae	Aulachorynchus caeruleogularis	m	25.13
161945	Ramphastidae	Aulachorynchus caeruleogularis	m	26.86
161946	Ramphastidae	Aulachorynchus caeruleogularis	m	26.13
161947	Ramphastidae	Aulachorynchus caeruleogularis	m	25.31
161948	Ramphastidae	Aulachorynchus caeruleogularis	f	26.37
166840	Ramphastidae	Aulachorynchus coeruleicinctis	m	26.77
166841	Ramphastidae	Aulachorynchus coeruleicinctis	f	28.09
160850	Ramphastidae	Aulachorynchus cyanolemus	f	21.03
138305	Ramphastidae	Aulachorynchus hematopygius	m	28.47
138306	Ramphastidae	Aulachorynchus hematopygius	m	29.45
138307	Ramphastidae	Aulachorynchus hematopygius	m	29.24
138308	Ramphastidae	Aulachorynchus hematopygius	f	27.73
138309	Ramphastidae	Aulachorynchus hematopygius	f	28.05
138310	Ramphastidae	Aulachorynchus hematopygius	m	29.45
110243	Ramphastidae	Aulachorynchus wagleri	f	24.95
110246	Ramphastidae	Aulachorynchus wagleri	f	23.60
110250	Ramphastidae	Aulachorynchus wagleri	f	24.90
110253	Ramphastidae	Aulachorynchus wagleri	f	25.07
110256	Ramphastidae	Aulachorynchus wagleri	m	26.95
110257	Ramphastidae	Aulachorynchus wagleri	f	26.10
121026	Ramphastidae	Aulachorynchus wagleri	m	26.54
121027	Ramphastidae	Aulachorynchus wagleri	m	25.82
121030	Ramphastidae	Aulachorynchus wagleri	m	26.56
121032	Ramphastidae	Aulachorynchus wagleri	m	26.95
160848	Ramphastidae	Pteroglossus azara	m	29.10

165180	Ramphastidae	Pteroglossus azara	m	27.46
169479	Ramphastidae	Pteroglossus azara	m	25.45
169480	Ramphastidae	Pteroglossus azara	m	25.75
11931	Ramphastidae	Pteroglossus castanotis	f	29.41
65046	Ramphastidae	Pteroglossus castanotis	m	31.05
140675	Ramphastidae	Pteroglossus castanotis	m	31.51
166974	Ramphastidae	Pteroglossus castanotis	f	28.70
155618	Ramphastidae	Pteroglossus frantzii	f	30.23
155619	Ramphastidae	Pteroglossus frantzii	m	29.57
65095	Ramphastidae	Pteroglossus humboldti	m	25.19
158006	Ramphastidae	Pteroglossus inscriptus	f	24.09
165179	Ramphastidae	Pteroglossus inscriptus	f	25.14
169477	Ramphastidae	Pteroglossus inscriptus	m	25.32
169478	Ramphastidae	Pteroglossus inscriptus	f	24.77
123826	Ramphastidae	Pteroglossus pluricinctus	u	30.36
123827	Ramphastidae	Pteroglossus pluricinctus	m	31.19
138311	Ramphastidae	Pteroglossus pluricinctus	f	29.77
163558	Ramphastidae	Pteroglossus pluricinctus	m	29.00
81611	Ramphastidae	Pteroglossus torquatus	f	27.99
85814	Ramphastidae	Pteroglossus torquatus	f	29.44
128679	Ramphastidae	Pteroglossus torquatus	f	27.64
129464	Ramphastidae	Pteroglossus torquatus	m	28.20
133479	Ramphastidae	Pteroglossus torquatus	m	30.98
155236	Ramphastidae	Pteroglossus torquatus	m	29.37
157163	Ramphastidae	Pteroglossus torquatus	f	27.74
157164	Ramphastidae	Pteroglossus torquatus	m	28.51
157165	Ramphastidae	Pteroglossus torquatus	m	27.76
123545	Ramphastidae	Pteroglossus viridis	m	26.28
54285	Ramphastidae	Ramphastos ambiguus	m	37.86
54286	Ramphastidae	Ramphastos ambiguus	f	31.18
97792	Ramphastidae	Ramphastos ambiguus	u	36.59
155620	Ramphastidae	Ramphastos ambiguus	m	40.30
134848	Ramphastidae	Ramphastos ariel	f	29.09
138312	Ramphastidae	Ramphastos brevis	f	32.07
138313	Ramphastidae	Ramphastos brevis	m	31.30
140681	Ramphastidae	Ramphastos brevis	f	32.87
140680	Ramphastidae	Ramphastos culminatus	f	29.51
163559	Ramphastidae	Ramphastos culminatus	f	31.39
163560	Ramphastidae	Ramphastos culminatus	m	31.86
65096	Ramphastidae	Ramphastos cuvieri	m	40.26
138314	Ramphastidae	Ramphastos cuvieri	m	38.10
140682	Ramphastidae	Ramphastos cuvieri	f	39.58
165182	Ramphastidae	Ramphastos cuvieri	m	39.19

137565	Ramphastidae	Ramphastos sulfuratus	u	33.82
142662	Ramphastidae	Ramphastos sulfuratus	f	29.59
157145	Ramphastidae	Ramphastos sulfuratus	f	30.25
157146	Ramphastidae	Ramphastos sulfuratus	m	32.90
157147	Ramphastidae	Ramphastos sulfuratus	f	32.00
95717	Ramphastidae	Ramphastos sulfuratus	m	32.24
128680	Ramphastidae	Ramphastos sulfuratus	f	33.61
133480	Ramphastidae	Ramphastos sulfuratus	u	32.83
29070	Ramphastidae	Ramphastos toco	u	34.39
132924	Ramphastidae	Ramphastos toco	f	36.42
45594	Ramphastidae	Ramphastos tucanus	f	39.61
152833	Ramphastidae	Ramphastos vitellinus	f	30.19
152834	Ramphastidae	Ramphastos vitellinus	m	32.08
108208	Ramphastidae	Selenidera culik	f	22.37
108247	Ramphastidae	Selenidera culik	m	22.21
140677	Ramphastidae	Selenidera reinwardtii	m	26.34
158004	Ramphastidae	Selenidera reinwardtii	f	24.39
158005	Ramphastidae	Selenidera reinwardtii	u	25.02
165181	Ramphastidae	Selenidera reinwardtii	f	25.72
98311	Ramphastidae	Selenidera spectabilis	f	29.09
157166	Ramphastidae	Selenidera spectabilis	m	26.98
160583	Ramphastidae	Selenidera spectabilis	f	27.28
123691	Steatornithidae	Steatornis caripensis	f	34.69
65431	Sturnidae	Aplonis atrifusca	m	16.37
65432	Sturnidae	Aplonis atrifusca	f	16.93
93366	Sturnidae	Aplonis brunneicapilla	f	13.58
93367	Sturnidae	Aplonis brunneicapilla	f	13.15
93368	Sturnidae	Aplonis brunneicapilla	f	12.91
93369	Sturnidae	Aplonis brunneicapilla	f	14.40
93346	Sturnidae	Aplonis cantoroides	m	13.59
93347	Sturnidae	Aplonis cantoroides	m	14.16
93349	Sturnidae	Aplonis cantoroides	u	12.99
93350	Sturnidae	Aplonis cantoroides	u	12.00
93351	Sturnidae	Aplonis cantoroides	m	13.79
93437	Sturnidae	Aplonis cantoroides	m	12.62
93438	Sturnidae	Aplonis cantoroides	m	13.19
93633	Sturnidae	Aplonis cantoroides	f	13.41
93634	Sturnidae	Aplonis cantoroides	f	12.94
90279	Sturnidae	Aplonis feadensis	f	12.12
90280	Sturnidae	Aplonis feadensis	m	12.80
90281	Sturnidae	Aplonis feadensis	m	14.11
90282	Sturnidae	Aplonis feadensis	f	12.46
90283	Sturnidae	Aplonis feadensis	m	12.67



90001	Sturnidae	Aplonis grandis	m	15.68
90284	Sturnidae	Aplonis grandis	f	15.57
93352	Sturnidae	Aplonis grandis	f	15.61
93353	Sturnidae	Aplonis grandis	m	16.22
93354	Sturnidae	Aplonis grandis	u	14.56
93355	Sturnidae	Aplonis grandis	f	17.99
93356	Sturnidae	Aplonis grandis	m	16.16
93439	Sturnidae	Aplonis grandis	m	16.71
93632	Sturnidae	Aplonis grandis	f	15.73
90246	Sturnidae	Aplonis metallica	f	13.18
90252	Sturnidae	Aplonis metallica	f	13.55
90255	Sturnidae	Aplonis metallica	f	12.90
90256	Sturnidae	Aplonis metallica	m	12.43
90263	Sturnidae	Aplonis metallica	f	13.18
90270	Sturnidae	Aplonis metallica	m	12.17
90272	Sturnidae	Aplonis metallica	m	13.86
90273	Sturnidae	Aplonis metallica	f	12.20
93436	Sturnidae	Aplonis metallica	m	12.68
142240	Sturnidae	Aplonis metallica	m	13.25
95298	Sturnidae	Aplonis opaca	m	13.77
95302	Sturnidae	Aplonis opaca	m	13.87
95303	Sturnidae	Aplonis opaca	f	14.55
95305	Sturnidae	Aplonis opaca	f	15.02
95307	Sturnidae	Aplonis opaca	f	14.81
95309	Sturnidae	Aplonis opaca	f	13.40
95314	Sturnidae	Aplonis opaca	m	15.24
95319	Sturnidae	Aplonis opaca	m	13.90
95322	Sturnidae	Aplonis opaca	f	14.81
95323	Sturnidae	Aplonis opaca	m	13.96
46778	Sturnidae	Aplonis tabuensis	f	13.20
46779	Sturnidae	Aplonis tabuensis	m	12.45
89621	Sturnidae	Aplonis zelandica	m	14.31
89622	Sturnidae	Aplonis zelandica	m	12.56
89670	Sturnidae	Aplonis zelandica	m	13.95
108559	Sturnidae	Cinnyricinclus leucoglaster	m	10.26
108560	Sturnidae	Cinnyricinclus leucoglaster	m	10.40
133876	Sturnidae	Cinnyricinclus leucoglaster	m	11.14
133877	Sturnidae	Cinnyricinclus leucoglaster	f	10.78
108561	Sturnidae	Cosmopsarus regis	f	10.94
97155	Sturnidae	Lamprotornis calcurus	m	11.81
120417	Sturnidae	Lamprotornis caudatus	u	13.85
96875	Sturnidae	Lamprotornis chalybaeus	f	12.96
108557	Sturnidae	Lamprotornis chalybaeus	f	13.98

129123	Sturnidae	Lamprotornis chalybaeus	m	13.08
108555	Sturnidae	Lamprotornis chloropterus	m	12.08
133946	Sturnidae	Lamprotornis chloropterus	m	11.01
129124	Sturnidae	Lamprotornis hildebrandti	m	12.60
108556	Sturnidae	Lamprotornis purpureiceps	m	13.08
108558	Sturnidae	Lamprotornis splendidus	m	16.79
70262	Sturnidae	Lamprotornis superbus	f	10.92
108554	Sturnidae	Lamprotornis superbus	m	11.33
140083	Sturnidae	Onychognathus morio	m	16.86
140084	Sturnidae	Onychognathus morio	f	13.89
70263	Sturnidae	Onychognathus tenuirostris	m	14.05
132206	Sturnidae	Saraglossa spiloptera	m	11.02
135473	Trogonidae	Euptilotis neoxenus	f	19.31
139430	Trogonidae	Euptilotis neoxenus	f	18.38
139431	Trogonidae	Euptilotis neoxenus	f	20.24
139432	Trogonidae	Euptilotis neoxenus	m	20.19
139433	Trogonidae	Euptilotis neoxenus	f	19.11
139434	Trogonidae	Euptilotis neoxenus	m	21.11
139435	Trogonidae	Euptilotis neoxenus	m	20.28
139436	Trogonidae	Euptilotis neoxenus	m	21.47
139437	Trogonidae	Euptilotis neoxenus	f	18.55
143709	Trogonidae	Euptilotis neoxenus	m	19.77
31001	Trogonidae	Harpactes ardens	f	24.13
49057	Trogonidae	Harpactes erythrocephalus	m	21.52
8039	Trogonidae	Pharomachrus mocinno	m	26.99
41973	Trogonidae	Pharomachrus mocinno	m	23.16
85786	Trogonidae	Pharomachrus mocinno	m	24.73
85787	Trogonidae	Pharomachrus mocinno	f	23.76
121011	Trogonidae	Pharomachrus mocinno	f	25.22
121012	Trogonidae	Pharomachrus mocinno	m	27.27
176059	Trogonidae	Pharomachrus mocinno	m	24.86
26675	Trogonidae	Pharomachrus pavoninus	m	24.60
65049	Trogonidae	Pharomachrus pavoninus	m	25.41
140670	Trogonidae	Pharomachrus pavoninus	m	25.24
94769	Trogonidae	Trogon ambiguus	m	19.03
110148	Trogonidae	Trogon ambiguus	m	20.89
81609	Trogonidae	Trogon bairdii	f	22.51
109227	Trogonidae	Trogon bairdii	m	22.90
46058	Trogonidae	Trogon citreolus	f	19.17
121899	Trogonidae	Trogon citreolus	m	18.07
126110	Trogonidae	Trogon citreolus	f	19.48
131477	Trogonidae	Trogon citreolus	m	21.24
134167	Trogonidae	Trogon citreolus	f	18.96

136166	Trogonidae	Trogon citreolus	f	17.84
136167	Trogonidae	Trogon citreolus	m	18.17
142656	Trogonidae	Trogon citreolus	m	19.68
153273	Trogonidae	Trogon citreolus	m	19.55
121023	Trogonidae	Trogon collaris	m	19.18
121024	Trogonidae	Trogon collaris	m	20.61
138275	Trogonidae	Trogon collaris	m	18.00
138276	Trogonidae	Trogon collaris	f	19.53
138277	Trogonidae	Trogon collaris	m	18.67
138279	Trogonidae	Trogon collaris	f	19.29
142450	Trogonidae	Trogon collaris	f	19.75
157139	Trogonidae	Trogon collaris	f	20.55
157140	Trogonidae	Trogon collaris	m	19.50
138280	Trogonidae	Trogon curucui	m	18.56
102018	Trogonidae	Trogon elegans	m	19.04
102019	Trogonidae	Trogon elegans	f	20.62
119405	Trogonidae	Trogon elegans	f	18.67
119409	Trogonidae	Trogon elegans	f	18.55
119412	Trogonidae	Trogon elegans	f	19.54
119416	Trogonidae	Trogon elegans	f	18.58
139438	Trogonidae	Trogon elegans	m	19.45
167067	Trogonidae	Trogon elegans	m	18.02
109226	Trogonidae	Trogon massena	m	25.30
133476	Trogonidae	Trogon massena	f	25.37
142448	Trogonidae	Trogon massena	m	27.02
81608	Trogonidae	Trogon massena	m	24.64
157128	Trogonidae	Trogon massena	m	23.82
85778	Trogonidae	Trogon melanocephalus	m	20.34
85779	Trogonidae	Trogon melanocephalus	m	20.43
142449	Trogonidae	Trogon melanocephalus	f	20.85
157130	Trogonidae	Trogon melanocephalus	m	20.90
157131	Trogonidae	Trogon melanocephalus	f	22.33
157133	Trogonidae	Trogon melanocephalus	f	21.66
157135	Trogonidae	Trogon melanocephalus	m	19.70
157137	Trogonidae	Trogon melanocephalus	f	20.98
160579	Trogonidae	Trogon melanocephalus	f	21.63
160580	Trogonidae	Trogon melanocephalus	m	21.11
54291	Trogonidae	Trogon melanurus	f	23.28
169465	Trogonidae	Trogon melanurus	m	22.81
126392	Trogonidae	Trogon personatus	m	18.99
138278	Trogonidae	Trogon personatus	m	18.06
157763	Trogonidae	Trogon personatus	m	17.65
120507	Trogonidae	Trogon rufus	m	19.58

126578	Trogonidae	Trogon rufus	f	18.59
157143	Trogonidae	Trogon rufus	f	19.65
157144	Trogonidae	Trogon rufus	f	18.73
166972	Trogonidae	Trogon rufus	f	18.51
85773	Trogonidae	Trogon violaceus	m	20.63
85774	Trogonidae	Trogon violaceus	m	18.84
85777	Trogonidae	Trogon violaceus	f	18.83
138281	Trogonidae	Trogon violaceus	f	19.90
152824	Trogonidae	Trogon violaceus	f	20.39
154866	Trogonidae	Trogon violaceus	m	19.75
157141	Trogonidae	Trogon violaceus	m	20.30
157142	Trogonidae	Trogon violaceus	f	19.54
160493	Trogonidae	Trogon violaceus	m	19.81
161934	Trogonidae	Trogon violaceus	f	21.04
98309	Trogonidae	Trogon viridis	m	21.87
109228	Trogonidae	Trogon viridis	m	20.44
65050	Trogonidae	Trogon viridis	m	22.61
123533	Trogonidae	Trogon viridis	f	22.12
123534	Trogonidae	Trogon viridis	m	22.49
165157	Trogonidae	Trogon viridis	f	20.77
41629	Vireonidae	Vireo griseus	m	8.74
51217	Vireonidae	Vireo griseus	f	7.54
82668	Vireonidae	Vireo griseus	f	8.21
104049	Vireonidae	Vireo griseus	f	7.98
123337	Vireonidae	Vireo griseus	m	7.16
123338	Vireonidae	Vireo griseus	f	7.86
124459	Vireonidae	Vireo griseus	m	8.24
133077	Vireonidae	Vireo griseus	f	7.42
133078	Vireonidae	Vireo griseus	m	7.79
146764	Vireonidae	Vireo griseus	m	8.72
177298	Vireonidae	Vireo nannus	m	9.63
149954	Vireonidae	Vireo osburni	m	9.75
49180	Zosteropidae	Zosterops japonicus	m	5.80
95443	Zosteropidae	Zosterops japonicus	f	7.81
95444	Zosteropidae	Zosterops japonicus	m	6.95
97393	Zosteropidae	Zosterops japonicus	m	6.21
97394	Zosteropidae	Zosterops japonicus	m	7.16
108686	Zosteropidae	Zosterops japonicus	f	6.20
108687	Zosteropidae	Zosterops japonicus	f	6.19
125526	Zosteropidae	Zosterops japonicus	m	6.30
128844	Zosteropidae	Zosterops japonicus	f	6.33