

Name		Locomotor Mode	No of Ribs	Rib 2 Dorsal Rib Length to UCP	Rib 3 Dorsal Rib Length to UCP	Rib 4 Dorsal Rib Length to UCP
Fulica	americana	diving	9	21.55	23.74	25.05
Gavia	arctica	diving	9	55.66	60.57	62.76
Fulica	atra	diving	9	24.29	28.15	31.31
Larus	canus	diving	7	24.77	23.18	21.53
Alcedo	atthis	diving	7	10.98	12.26	11.59
Mergus	merganser	diving	9	35.45	37.85	36.43
Spheniscus	demersus	diving	9	51.36	57.31	58.05
Sterna	hirundo	diving	8	19.3	20.2	19.45
Pinguinus	impennis	diving	10	33.72	40.51	42.61
Spheniscus	humboldti	diving	7	51.4	52.72	51.99
Larus	argentatus	diving	7	40.08	36.97	35.4
Alle	alle	diving	9	21.29	23.41	22.5
Clangula	hyemalis	diving	7	33.29	33.61	31
Gavia	stellata	diving	8	42.01	42.75	41.93
Pelecanus	rufescens	diving	6	72.94	69.36	64.23
Aptenodytes	patagonicus	diving	8	84.97	91.55	92.88
Fumarus	glacialis	diving	8	31.74	33.68	32.9
Alca	torda	diving	9	31.54	35.47	36.6
Aythya	fuligula	diving	9	24.53	25.51	26.29
Cinclus	cinclus	diving	7	12.75	14.45	14.94
Sterna	paradisaea	diving	8	17.5	17.42	16.94
Phalacrocorax	carbo	diving	8	37.6	40.83	40.23
Phalacrocorax	bougainvillii	diving	7	41.98	42.6	39.05
Podiceps	cristatus	diving	9	30.65	32.33	33.78
Tockus	nasutus	non-specialist	8	18.74	19.66	19.21
Hirundo	rustica	non-specialist	7	7.48	7.84	8.22
Gypaetus	barbatus	non-specialist	7	54.71	60.06	61.93
Turdus	merula	non-specialist	7	13.53	14.6	14.6
Eremopterix	leucotis	non-specialist	7	6.74	7.2	7.26
Elanus	caerulus	non-specialist	7	17.82	17.01	18.19
Amazona	aestiva	non-specialist	8	20.76	22.6	21.49
Columba	bollii	non-specialist	7	15.5	18.46	20.46
Melopsittacus	undulatus	non-specialist	8	8.54	9.79	9.8
Streptopelia	decaocto	non-specialist	7	12.56	15.52	17.23

Name		Locomotor Mode	No of Ribs	Rib 2 Dorsal Rib Length to UCP	Rib 3 Dorsal Rib Length to UCP	Rib 4 Dorsal Rib Length to UCP
Columba	cayennensis	non-specialist	7	17.38	19.03	20.45
Corvus	corax	non-specialist	6	35.44	34.05	33.06
Passer	domesticus	non-specialist	7	7.73	8.98	8.77
Apus	apus	non-specialist	8	8.19	9.37	9.94
Vultur	gryphus	non-specialist	8	0	60.29	63.17
Chrysococcyx	caprius	non-specialist	7	7.83	9.02	8.67
Bubo	bubo	non-specialist	7	38.94	39.79	42.72
Sturnus	vulgaris	non-specialist	7	12.12	12.96	13.16
Agapornis	fischeri	non-specialist	8	9.32	9.97	9.97
Aquila	chrysaetus	non-specialist	8	41.02	44.5	36.94
Picoides	viridis	non-specialist	7	13.81	15.77	15.69
Buceros	bicornis	non-specialist	7	44.22	48.07	46.02
Psittacus	erithacus	non-specialist	8	23.44	25.77	29.32
Falco	rusticolus	non-specialist	8	32.01	37.52	39.37
Loriculus	galgulus	non-specialist	8	7.81	9.73	10
Chlamydotis	undulata	non-specialist	7	38.53	38.16	37.12
Phaethornis	yaruqui	non-specialist	7	6.29	7.14	6.61
Falco	biarmicus	non-specialist	8	26.83	26.75	27.43
Chordeiles	acutipennis	non-specialist	7	0	9.89	11.59
Athene	noctua	non-specialist	7	17.94	17.95	18.05
Bubo	ascalaphus	non-specialist	7	33.17	37.54	38.7
Agapornis	roseicollis	non-specialist	7	10.59	11.38	11.38
Mimus	polyglottos	non-specialist	7	5.59	5.88	5.73
Oena	capensis	non-specialist	7	8.52	10.39	10.39
Trichoglossus	haematodus	non-specialist	8	13.65	14.26	15.35
Chrysolampis	mosquitus	non-specialist	8	5.32	5.98	6.49
Polytelis	swainsonii	non-specialist	8	16.74	18.01	19.02
Ramphastos	tucanus	non-specialist	7	23.11	22.02	22.79
Colius	colius	non-specialist	7	10.25	11.29	12.27
Trogon	viridis	non-specialist	7	13.44	15.43	16.59
Rostratula	semicollaris	non-specialist	8	17.38	19.03	20.45
Perdix	perdix	non-specialist	7	13.21	12.49	13.68
Phoenicopterus	rubur	non-specialist	7	54.02	51.86	54.61
Botaurus	stellaris	non-specialist	7	45.23	48.12	49

Name		Locomotor Mode	No of Ribs	Rib 2 Dorsal Rib Length to UCP	Rib 3 Dorsal Rib Length to UCP	Rib 4 Dorsal Rib Length to UCP
Francolinus	pondicerianus	non-specialist	7	10.2	10.86	11.67
Ardea	alba	non-specialist	6	40.64	39.28	36.38
Tetraogallus	himalayensis	non-specialist	6	27.94	29.36	29.97
Thinocorus	rumicovorus	non-specialist	8	11.17	13.21	13.43
Aramus	guarauna	non-specialist	8	0	27.52	30.21
Ixobrychus	minutus	non-specialist	7	16.85	18.51	20.19
Leptoptilos	crumeniferus	non-specialist	6	0	47.53	56.32
Pterocles	exustus	non-specialist	7	14.84	15.69	16.48
Sagittarius	serpentarius	non-specialist	7	0	45.85	47.35
Platalea	leucorodia	non-specialist	7	31.13	34.15	34.36
Scolopax	rusticola	non-specialist	9	0	18.47	19.66
Branta	leucopsis	non-specialist	9	36.81	36.84	4.08
Cygnus	atratus	non-specialist	9	0	62.05	63.36
Somateria	mollissima	non-specialist	9	35.66	37.48	39.6
Anas	falcata	non-specialist	9	23.45	27.02	27.33
Aythya	marila	non-specialist	9	25.25	29.61	28.82
Gallinula	chloropus	non-specialist	9	18.32	19.66	21.41
Anas	acuta	non-specialist	9	25.22	26.2	29.9
Tadorna	ferruginea	non-specialist	9	24.49	27.86	28.9
Tadorna	tadorna	non-specialist	9	27.67	29.34	31.01
Anser	albifrons	non-specialist	9	34.99	37.31	35.11
Falco	tinnuculus	non-specialist	8	13.81	15.48	16.09
Tetrao	urogallus	walking	6	24.34	28.9	31.92
Casuarius	casuarius	walking	10	0	0	102.62
Apteryx	haastii	walking	8	35.49	40.91	40.91
Dinornis	maximus	walking	9	124.06	130.75	152.53
Struthio	camelus	walking	9	0	180.91	182.75
Phasianus	colchicus	walking	7	17.21	18.46	19.25
Geococcyx	californianus	walking	6	12.58	17.8	21.27
Eudromia	elegans	walking	7	19.84	20.93	21.09
Meleagris	gallopavo	walking	6	20.31	22.93	25.04
Alectoris	rufa	walking	7	15.24	15.72	16.77

Name		Rib 5	Rib 6	Rib 2	Rib 3
		Dorsal Rib Length to UCP	Dorsal Rib Length to UCP	Width of Uncinate at base	Width of Uncinate at base
Fulica	americana	25.6	26.37	1.63	2.14
Gavia	arctica	65.91	63.61	5.81	6.35
Fulica	atra	34.11	32.41	2.28	2.58
Larus	canus	22.67	0	2.22	2.26
Alcedo	atthis	10.71	0	1.46	1.32
Mergus	merganser	34.68	28.67	2.19	3.98
Spheniscus	demersus	58.51	57.21	5.91	6.81
Sterna	hirundo	18.62	17.47	1.46	2.06
Pinguinus	impennis	45.22	43.32	2.12	1.31
Spheniscus	humboldti	49.53	43.44	6.33	4.09
Larus	argentatus	33.78	0	4.23	3.69
Alle	alle	21.68	21.14	1.73	1.45
Clangula	hyemalis	28.24	23.66	2.81	3.47
Gavia	stellata	39	34.5	4.78	5.47
Pelecanus	rufescens	60.95	0	6.68	5.99
Aptenodytes	patagonicus	89.01	81.12	8.29	9.57
Fumarus	glacialis	32.26	32.54	2.13	3.08
Alca	torda	37.54	36.48	3.21	2.2
Aythya	fuligula	26.29	21.55	2.52	3.29
Cinclus	cinclus	14.94	12.77	1.41	1.54
Sterna	paradisaea	15.17	14.57	1.32	1.68
Phalacrocorax	carbo	39.37	36.82	4.3	4.13
Phalacrocorax	bougainvillii	43.29	39.2	4.89	5.22
Podiceps	cristatus	35.53	32.8	2.78	3.33
Tockus	nasutus	19.92	19.5	3.59	2.55
Hirundo	rustica	8.01	0	0.78	0.69
Gypaetus	barbatus	58.58	51.83	5.44	16.77
Turdus	merula	14.98	13.01	1.33	1.27
Eremopterix	leucotis	7.08	7.08	0.65	0.99
Elanus	caerulus	15.83	14.65	4.59	5.76
Amazona	aestiva	21.95	22.94	4.28	5.23
Columba	bollii	20.49	20.47	2.22	3.46
Melopsittacus	undulatus	10.15	9.68	1.68	2.64
Streptopelia	decaocto	16.68	16.68	1.9	3.04

Name		Rib 5	Rib 6	Rib 2	Rib 3
		Dorsal Rib Length to UCP	Dorsal Rib Length to UCP	Width of Uncinate at base	Width of Uncinate at base
Columba	cayennensis	19.27	16.91	3.96	6.26
Corvus	corax	31.14	0	6.24	5.95
Passer	domesticus	8.55	8.05	0.74	0.77
Apus	apus	10.05	9.81	0.64	0.8
Vultur	gryphus	59.54	49.87	0	10.41
Chrysococcyx	caprius	8.36	0	0.88	1.03
Bubo	bubo	42.9	41.43	4.2	4.54
Sturnus	vulgaris	12.4	11.42	1.15	1.29
Agapornis	fischeri	9.03	8.76	1.75	1.9
Aquila	chrysaetus	39.35	34.63	11.11	14.31
Picoides	viridis	14.43	0	3.42	4.08
Buceros	bicornis	41.04	0	5.16	5.86
Psittacus	erithacus	27.31	23.96	2.48	4.55
Falco	rusticolus	37.61	33.82	3.14	4.77
Loriculus	galgulus	9.59	8.59	0	0.84
Chlamydotis	undulata	37.45	38.7	5.83	11.38
Phaethornis	yaruqui	6.62	0	0.61	0.55
Falco	biarmicus	25.43	25.49	3.17	5.92
Chordeiles	acutipennis	12.12	11.42	0	0.91
Athene	noctua	17.78	0	1.75	1.77
Bubo	ascalaphus	38.74	0	4.4	5.02
Agapornis	roseicollis	11.13	11.42	2.2	2.45
Mimus	polyglottos	5.38	4.21	0.45	0.48
Oena	capensis	10.39	9.52	0.78	1.89
Trichoglossus	haematodus	15.35	13.36	2.05	3.42
Chrysolampis	mosquitus	6.68	6.99	0.5	0.41
Polytelis	swainsonii	18.48	19.77	1.03	2.24
Ramphastos	tucanus	24	20.4	3.52	3.47
Colius	colius	12.55	9.91	1.52	2.19
Trogon	viridis	16.23	0	1.51	1.7
Rostratula	semicollaris	19.27	16.91	3.96	6.26
Perdix	perdix	13.37	12.85	1.38	1.5
Phoenicopterus	rubur	46.49	42.19	9.79	6.23
Botaurus	stellaris	47.22	43.22	2.49	1.78

Name		Rib 5	Rib 6	Rib 2	Rib 3
		Dorsal Rib Length to UCP	Dorsal Rib Length to UCP	Width of Uncinate at base	Width of Uncinate at base
Francolinus	pondicerianus	12.65	12.33	1.29	1.13
Ardea	alba	35.8	0	3.73	3.36
Tetraogallus	himalayensis	30.15	0	3.14	3.71
Thinocorus	rumicovorus	14.67	13.91	0	0.91
Aramus	guarauna	30.31	29.42	0	1.53
Ixobrychus	minutus	15.52	0	0.83	1.29
Leptoptilos	crumeniferus	51.28	0	0	7.44
Pterocles	exustus	16.09	15.3	1.78	2.51
Sagittarius	serpentarius	41.03	37.46	0	10.06
Platalea	leucorodia	30.3	0	4.08	4.46
Scolopax	rusticola	15.51	16.03	0	1.75
Branta	leucopsis	34.81	31.22	2.98	2.97
Cygnus	atratus	58.41	50.13	0	7
Somateria	mollissima	40.5	36.23	2.95	3.45
Anas	falcata	26.68	22.49	1.78	1.68
Aythya	marila	27.52	25.4	3.66	4.11
Gallinula	chloropus	21.04	20.14	2.39	2.15
Anas	acuta	24.33	23.54	3.1	3.32
Tadorna	ferruginea	27.78	25.55	1.9	2.32
Tadorna	tadorna	27.6	26.83	1.81	6.27
Anser	albifrons	32.42	29.53	6.36	7.41
Falco	tinnuculus	16.03	16.37	3.75	4.23
Tetrao	urogallus	34.49	36.94	1.89	2.84
Casuarius	casuarius	105.5	96.16	0	0
Apteryx	haastii	40.57	35.34	15.48	12.35
Dinornis	maximus	163.15	172.12	5.05	23.79
Struthio	camelus	169.67	0	0	16.34
Phasianus	colchicus	20.21	0	2.37	2.46
Geococcyx	californianus	22.41	0	1.94	2.95
Eudromia	elegans	21.95	0	1.54	2.41
Meleagris	gallopavo	25.83	22.03	2.5	3.12
Alectoris	rufa	16.95	18.98	1.78	1.9

Name		Rib 4	Rib 5	Rib 6	Rib 2
		Width of Uncinate at base	Width of Uncinate at base	Width of Uncinate at base	Width of Uncinate at Midpoint
Fulica	americana	1.87	1.82	1.75	1.33
Gavia	arctica	6.01	5.19	5	4.3
Fulica	atra	3.04	1.77	1	1.7
Larus	canus	1.94	1.61	0	1.8
Alcedo	atthis	1.23	2.1	0	1.54
Mergus	merganser	3.44	6.3	5.46	2.24
Spheniscus	demersus	5.85	4.78	3.52	6.29
Sterna	hirundo	1.73	1.73	1.42	1.02
Pinguinus	impennis	1.33	1.12	1.27	1.86
Spheniscus	humboldti	4.16	2.37	4.11	6.15
Larus	argentatus	2.36	1.79	0	2.47
Alle	alle	1.39	1.21	0.68	0.96
Clangula	hyemalis	2.7	1.62	1.29	2.51
Gavia	stellata	6.71	6.85	2.32	2.65
Pelecanus	rufescens	6.41	5.38	0	4.25
Aptenodytes	patagonicus	13.88	10.12	8.19	8.36
Fumarus	glacialis	2.64	2.67	2.53	1.62
Alca	torda	1.98	1.97	1.42	1.89
Aythya	fuligula	3.86	3.23	2.78	2.39
Cinclus	cinclus	1.01	0.71	0.47	0.92
Sterna	paradisaea	1.3	1.02	0.83	1.09
Phalacrocorax	carbo	4.35	3.2	3.74	3.85
Phalacrocorax	bougainvillii	3.66	4.59	3.73	5.18
Podiceps	cristatus	3.03	3.4	3	2.31
Tockus	nasutus	1.82	1.1	1.1	1.71
Hirundo	rustica	0.71	0.9	0	0.62
Gypaetus	barbatus	23.85	23.77	16.49	5.32
Turdus	merula	1.94	2.01	2.07	1.09
Eremopterix	leucotis	1.33	0.7	0.28	0.55
Elanus	caerulus	6.94	5.95	3.2	3.47
Amazona	aestiva	5.39	5.38	4.28	2.67
Columba	bollii	5.35	5.62	4.48	1.83
Melopsittacus	undulatus	2.32	2.11	0.7	1.22
Streptopelia	decaocto	3.62	3.61	3.66	1.61

Name		Rib 4	Rib 5	Rib 6	Rib 2
		Width of Uncinate at base	Width of Uncinate at base	Width of Uncinate at base	Width of Uncinate at Midpoint
Columba	cayennensis	7.2	6.08	3.09	2.68
Corvus	corax	4.51	3.68	0	3.25
Passer	domesticus	0.99	0.92	0.56	0.83
Apus	apus	0.92	0.84	0.64	0.49
Vultur	gryphus	23.05	20.64	12.54	0
Chrysococcyx	caprius	0.88	0.88	0	0.73
Bubo	bubo	3.89	3.69	3.01	3.03
Sturnus	vulgaris	1.57	1.24	0.82	1.41
Agapornis	fischeri	1.44	1.23	0.8	1.15
Aquila	chrysaetus	17	19.58	19.57	5.37
Picoides	viridis	2.14	2.01	0	1.92
Buceros	bicornis	5.52	4.33	0	4.74
Psittacus	erithacus	6.87	8.25	2.91	2.47
Falco	rusticolus	4.84	6.21	5.88	2.89
Loriculus	galgulus	1.18	1	0.37	0.75
Chlamydotis	undulata	14.39	16	14.28	5.56
Phaethornis	yaruqui	0.58	0.59	0	0.33
Falco	biarmicus	6.18	6.17	7.29	2.4
Chordeiles	acutipennis	1.15	1.26	1.05	0
Athene	noctua	1.12	2.27	0	1.53
Bubo	ascalaphus	4.47	5.11	0	2.33
Agapornis	roseicollis	2.74	2.74	1.02	1.17
Mimus	polyglottos	0.49	0.4	0.27	0.32
Oena	capensis	2.42	2.28	1.24	0.82
Trichoglossus	haematodus	3.99	3.43	2.93	2.04
Chrysolampis	mosquitus	0.31	0.33	0.32	0.5
Polytelis	swainsonii	3.09	2.28	2.38	0.94
Ramphastos	tucanus	2.64	2.03	2.68	1.77
Colius	colius	3.2	2.51	2.32	1.23
Trogon	viridis	1.45	1.09	0	1.02
Rostratula	semicollaris	7.2	6.08	3.09	2.68
Perdix	perdix	2.19	2.03	1.8	1.41
Phoenicopterus	rubur	9.1	5.85	7.59	4.84
Botaurus	stellaris	2.32	1.71	1.31	2.12

Name		Rib 4	Rib 5	Rib 6	Rib 2
		Width of Uncinate at base	Width of Uncinate at base	Width of Uncinate at base	Width of Uncinate at Midpoint
Francolinus	pondicerianus	0.96	0.99	0.93	1.03
Ardea	alba	3.93	3.56	0	3.34
Tetraogallus	himalayensis	3.75	3.6	0	2.53
Thinocorus	rumicovorus	0.94	0.96	0.77	0.65
Aramus	guarauna	1.64	2.19	1.34	0
Ixobrychus	minutus	1.01	0.45	0	0.72
Leptoptilos	crumeniferus	8.33	7.99	0	0
Pterocles	exustus	3.43	4.31	1.77	1.59
Sagittarius	serpentarius	16.64	30.48	22.14	0
Platalea	leucorodia	4.53	2.22	0	3.16
Scolopax	rusticola	2.13	1.77	2.07	0
Branta	leucopsis	2.52	4.11	4.07	2.29
Cygnus	atratus	6.44	6.21	6.91	0
Somateria	mollissima	3.69	3.75	5.32	3.02
Anas	falcata	2.32	2.37	3.13	1.41
Aythya	marila	5.55	5.08	4.33	2.97
Gallinula	chloropus	2.45	1.93	2.65	1.11
Anas	acuta	2.53	2.13	1.67	3
Tadorna	ferruginea	2.76	2.69	1.67	2.13
Tadorna	tadorna	2.98	3.76	4.15	1.67
Anser	albifrons	7.25	6.12	3.1	5.56
Falco	tinnuculus	4.35	3.9	3.97	1.36
Tetrao	urogallus	3.12	3.02	2.46	2.25
Casuarius	casuarius	15.65	17.33	17.08	0
Apteryx	haastii	13.79	13.79	19.44	6.38
Dinornis	maximus	28.46	25.89	26.06	19.4
Struthio	camelus	17.51	15.02	0	0
Phasianus	colchicus	2.5	3.25	0	1.94
Geococcyx	californianus	2.91	2.44	0	1.6
Eudromia	elegans	3.5	1.68	0	1.34
Meleagris	gallopavo	3.84	2.88	0	1.85
Alectoris	rufa	1.87	1.71	1.3	1.53

Name		Rib 3	Rib 4	Rib 5	Rib 6
		Width of Uncinate at Midpoint	Width of Uncinate at Midpoint	Width of Uncinate at Midpoint	Width of Uncinate at Midpoint
Fulica	americana	1.47	1.93	1.52	1.59
Gavia	arctica	4.28	4.17	3.22	3.02
Fulica	atra	1.41	1.72	1.58	1.27
Larus	canus	1.8	2.12	1.23	0
Alcedo	atthis	1.31	1.04	1.34	0
Mergus	merganser	3.58	3.68	2.66	3.12
Spheniscus	demersus	6.23	6.17	6.5	8.07
Sterna	hirundo	1.23	1.26	1.13	1.07
Pinguinus	impennis	1.82	1.36	0.81	0.96
Spheniscus	humboldti	6.03	4.23	4.56	4.32
Larus	argentatus	2.22	1.82	1.2	0
Alle	alle	0.83	0.72	0.59	0.69
Clangula	hyemalis	2.44	2.03	1.05	0.77
Gavia	stellata	3.01	2.62	2.37	1.3
Pelecanus	rufescens	4.54	3.32	4.75	0
Aptenodytes	patagonicus	15.66	13.64	10.76	5.84
Fumarus	glacialis	2.02	1.71	2.12	2.13
Alca	torda	1.39	1.52	1.46	1.14
Aythya	fuligula	2.91	3.36	2.35	1.77
Cinclus	cinclus	1.3	1.03	1	0.65
Sterna	paradisaea	1.02	1.1	0.96	0.67
Phalacrocorax	carbo	3.04	2.78	2.26	1.67
Phalacrocorax	bougainvillii	4.68	4.75	2.75	2.05
Podiceps	cristatus	2.86	2.2	2.73	2.54
Tockus	nasutus	1.99	1.41	0.98	0.98
Hirundo	rustica	0.63	0.51	0.44	0
Gypaetus	barbatus	7.24	8.34	6.75	5.28
Turdus	merula	1.53	1.31	1.27	1.41
Eremopterix	leucotis	0.39	0.28	0.23	0.24
Elanus	caerulus	2.19	2.18	1.9	0.96
Amazona	aestiva	3.09	3.18	2.39	1.93
Columba	bollii	2.84	3.18	3.59	3.05
Melopsittacus	undulatus	1.21	1.26	1.05	0.65
Streptopelia	decaocto	2.58	2.3	2.52	2.22

Name		Rib 3	Rib 4	Rib 5	Rib 6
		Width of Uncinate at Midpoint	Width of Uncinate at Midpoint	Width of Uncinate at Midpoint	Width of Uncinate at Midpoint
Columba	cayennensis	2.87	2.32	2.38	2.35
Corvus	corax	3.68	3.19	2.02	0
Passer	domesticus	0.86	0.71	0.55	0.52
Apus	apus	0.71	0.66	0.64	0.57
Vultur	gryphus	4.43	6.3	5.14	3.8
Chrysococcyx	caprius	0.83	0.64	0.64	0
Bubo	bubo	2.62	2.81	2.25	1.27
Sturnus	vulgaris	1.06	1	0.85	0.49
Agapornis	fischeri	0.9	0.88	0.77	0.7
Aquila	chrysaetus	4.88	5.18	5.75	5.43
Picoides	viridis	2.09	1.84	1.79	0
Buceros	bicornis	4.38	3.81	3.79	0
Psittacus	erithacus	2.73	3.92	4.11	2.78
Falco	rusticolus	2.79	2.15	2.25	1.8
Loriculus	galgulus	0.87	0.74	0.98	0.3
Chlamydotis	undulata	4.76	5.42	5.91	2
Phaethornis	yaruqui	0.56	0.4	0.4	0
Falco	biarmicus	3.07	2.4	3.05	2.83
Chordeiles	acutipennis	0.67	0.83	1.08	0.67
Athene	noctua	1.36	1.25	1.03	0
Bubo	ascalaphus	2.63	2.02	1.68	0
Agapornis	roseicollis	1.03	0.87	0.62	0.63
Mimus	polyglottos	0.54	0.32	0.26	0.26
Oena	capensis	1.49	1.36	0.98	1.15
Trichoglossus	haematodus	1.91	2.02	1.56	1.05
Chrysolampis	mosquitus	0.4	0.3	0.31	0.31
Polytelis	swainsonii	2.69	2.01	1.62	0.56
Ramphastos	tucanus	1.96	2.08	1.01	2.35
Colius	colius	1.38	1.46	1.54	1.33
Trogon	viridis	0.91	0.86	0.84	0
Rostratula	semicollaris	2.87	2.32	2.38	2.35
Perdix	perdix	1.38	1.54	1.34	1.65
Phoenicopterus	rubur	5.16	4.93	4.39	2.61
Botaurus	stellaris	2.09	1.93	2.2	2.09

Name		Rib 3	Rib 4	Rib 5	Rib 6
		Width of Uncinate at Midpoint	Width of Uncinate at Midpoint	Width of Uncinate at Midpoint	Width of Uncinate at Midpoint
Francolinus	pondicerianus	1.02	0.78	0.77	0.78
Ardea	alba	3.93	3.19	3.08	0
Tetraogallus	himalayensis	2.37	2.15	2.36	0
Thinocorus	rumicovorus	0.83	0.79	0.79	0.55
Aramus	guarauna	1.81	1.54	1.41	1.17
Ixobrychus	minutus	1.07	0.92	0.81	0
Leptoptilos	crumeniferus	5.1	6.35	5.87	0
Pterocles	exustus	2.17	2.26	2.05	0.95
Sagittarius	serpentarius	5.72	9.26	22.16	18.57
Platalea	leucorodia	3.04	3.32	2.08	0
Scolopax	rusticola	1.78	2.2	1.8	2.04
Branta	leucopsis	2.65	2.73	3.08	2.82
Cygnus	atratus	5.2	5.83	5.21	4.29
Somateria	mollissima	3.19	4.27	4.2	2.1
Anas	falcata	2.07	2.95	2.22	1.28
Aythya	marila	4.09	4.28	3.14	2.67
Gallinula	chloropus	1.29	1.01	1.1	0.9
Anas	acuta	2.39	2.8	2.15	1.49
Tadorna	ferruginea	2.6	3.02	2.01	1.45
Tadorna	tadorna	4.05	4.07	3	3.05
Anser	albifrons	4.31	3.46	3.65	3.15
Falco	tinnuculus	1.98	1.33	1.56	1.21
Tetrao	urogallus	2.6	3.08	2.38	1.28
Casuarius	casuarius	0	12.98	10.57	11.78
Apteryx	haastii	8.07	6.85	7.25	2.94
Dinornis	maximus	21.32	24.65	18.66	18.44
Struthio	camelus	14.5	11.96	10.73	0
Phasianus	colchicus	1.83	1.92	1.54	0
Geococcyx	californianus	1.75	1.69	1.49	0
Eudromia	elegans	1.7	1.59	1.67	0
Meleagris	gallopavo	2.33	2.2	1.67	0
Alectoris	rufa	1.42	1.68	1.12	0.97

Name		Rib 2	Rib 3	Rib 4	Rib 5
		Width of Uncinate at Tip	Width of Uncinate at Tip	Width of Uncinate at Tip	Width of Uncinate at Tip
Fulica	americana	1.28	1.02	1.34	2.43
Gavia	arctica	4.99	4.18	3.74	4.23
Fulica	atra	1.6	1.22	1.31	1.61
Larus	canus	1.37	1.86	1.62	1.22
Alcedo	atthis	1	1.03	0.75	0.84
Mergus	merganser	1.87	3.25	3.16	2.54
Spheniscus	demersus	7.13	6.69	6.68	5.96
Sterna	hirundo	0.65	1.07	1.03	0.95
Pinguinus	impennis	1.89	1.83	1.59	1.48
Spheniscus	humboldti	8.37	6.75	7.97	8.64
Larus	argentatus	2.1	1.95	1.9	0.98
Alle	alle	1.23	0.93	0.84	1.03
Clangula	hyemalis	1.68	2.09	1.83	1.15
Gavia	stellata	1.52	1.66	1.58	2
Pelecanus	rufescens	3.48	3.46	2.58	4.76
Aptenodytes	patagonicus	14.61	16.13	17.6	15.85
Fumarus	glacialis	2.16	1.61	1.64	1.74
Alca	torda	1	0.96	1.52	1.91
Aythya	fuligula	2.03	2.54	2.69	2.31
Cinclus	cinclus	0.76	0.81	0.99	0.88
Sterna	paradisaea	0.79	0.78	0.97	0.92
Phalacrocorax	carbo	3.03	3.94	2.19	1.46
Phalacrocorax	bougainvillii	3.66	3.84	3.08	4.88
Podiceps	cristatus	2.3	2.25	1.71	1.84
Tockus	nasutus	1.22	1.06	1.45	1.01
Hirundo	rustica	0.48	0.56	0.44	0.45
Gypaetus	barbatus	5.31	6.69	7.25	6.91
Turdus	merula	0.83	0.81	1.02	0.95
Eremopterix	leucotis	0.54	0.38	0.28	0.23
Elanus	caerulus	1.38	1.62	1.75	1.59
Amazona	aestiva	1.77	2.08	2.2	2.25
Columba	bollii	1.19	1.88	1.94	2.07
Melopsittacus	undulatus	0.86	0.96	0.86	0.65
Streptopelia	decaocto	1.23	2.03	2.24	2.24

Name		Rib 2	Rib 3	Rib 4	Rib 5
		Width of Uncinate at Tip	Width of Uncinate at Tip	Width of Uncinate at Tip	Width of Uncinate at Tip
Columba	cayennensis	1.53	1.73	1.96	1.96
Corvus	corax	3.1	3.15	3.51	2.37
Passer	domesticus	0.61	0.67	0.63	0.38
Apus	apus	0.53	0.53	0.7	0.52
Vultur	gryphus	0	2.71	3.22	3.24
Chrysococcyx	caprius	0.42	0.55	0.55	0.55
Bubo	bubo	2.45	2.06	2.74	2.05
Sturnus	vulgaris	0.87	0.76	0.64	0.56
Agapornis	fischeri	1.03	0.78	0.72	0.6
Aquila	chrysaetus	4.65	4.33	3.74	4.78
Picoides	viridis	1.66	1.59	1.36	1.24
Buceros	bicornis	4.24	2.64	3.12	3.3
Psittacus	erithacus	1.41	2.33	2.23	2.4
Falco	rusticolus	1.75	1.43	1.9	1.97
Loriculus	galgulus	0.93	0.84	0.79	0.98
Chlamydotis	undulata	5.4	2.64	3.59	2.67
Phaethornis	yaruqui	0.31	0.5	0.38	0.37
Falco	biarmicus	2.15	2.31	1.71	2.36
Chordeiles	acutipennis	0	0.78	1.19	1.23
Athene	noctua	0.84	1.34	1.17	1.09
Bubo	ascalaphus	1.73	2.08	1.72	1.71
Agapornis	roseicollis	0.98	1.03	1	0.51
Mimus	polyglottos	0.32	0.29	0.32	0.25
Oena	capensis	0.97	1.03	1.24	1.25
Trichoglossus	haematodus	2.15	1.63	1.77	1.6
Chrysolampis	mosquitus	0.5	0.4	0.29	0.31
Polytelis	swainsonii	1	1.37	1.45	1.35
Ramphastos	tucanus	1.55	1.75	2.14	1.56
Colius	colius	1.34	1.78	1.77	1.86
Trogon	viridis	0.98	0.8	0.81	0.92
Rostratula	semicollaris	1.53	1.73	1.96	1.96
Perdix	perdix	1.21	1.8	1.92	2.2
Phoenicopterus	rubur	4.93	4.25	4.24	3.49
Botaurus	stellaris	1.92	2.17	2.02	1.46

Name		Rib 2	Rib 3	Rib 4	Rib 5
		Width of Uncinate at Tip	Width of Uncinate at Tip	Width of Uncinate at Tip	Width of Uncinate at Tip
Francolinus	pondicerianus	0.98	1.09	1.3	0.94
Ardea	alba	2.93	2.76	2.64	2.74
Tetraogallus	himalayensis	1.85	2.56	3.27	2.86
Thinocorus	rumicovorus	0.62	0.39	0.77	0.82
Aramus	guarauna	0	0.91	1.55	1.35
Ixobrychus	minutus	0.71	0.73	0.68	0.71
Leptoptilos	crumeniferus	0	5.11	6.85	5.9
Pterocles	exustus	0.96	1.19	1.56	1.44
Sagittarius	serpentarius	0	2.67	3.21	16.25
Platalea	leucorodia	3.01	1.73	2.01	1.96
Scolopax	rusticola	0	1.68	2.1	1.78
Branta	leucopsis	2.25	2.25	1.91	1.78
Cygnus	atratus	0	5.58	5.66	4.34
Somateria	mollissima	2.57	3.2	3.35	2.81
Anas	falcata	1.55	2.28	2.31	2.2
Aythya	marila	3.18	3.83	3.18	2.63
Gallinula	chloropus	0.79	1.32	1.01	1.04
Anas	acuta	3.12	2.9	3.3	3.13
Tadorna	ferruginea	2.73	2.14	2.53	1.59
Tadorna	tadorna	1.83	2.28	2.44	2.28
Anser	albifrons	3.48	3.22	3.66	3.11
Falco	tinnuculus	0.76	1.05	1.54	1.59
Tetrao	urogallus	2.04	2.04	1.94	2.5
Casuarius	casuarius	0	0	10.17	8.59
Apteryx	haastii	4.29	5.07	4.46	5.13
Dinornis	maximus	11.54	13.74	13.24	14.3
Struthio	camelus	0	7	7.3	7.84
Phasianus	colchicus	1.94	2.66	1.98	1.55
Geococcyx	californianus	1.55	1.91	1.2	0.72
Eudromia	elegans	1.39	1.8	1.64	1.56
Meleagris	gallopavo	2.02	2	2.07	1.32
Alectoris	rufa	1.81	2.21	1.91	1.87

Name		Rib 6	Rib 2	Rib 3	Rib 4	Rib 5	Rib 6
		Width of Uncinate at Tip	Length of UCP	Length of UCP	Length of UCP	Length of UCP	Length of UCP
Fulica	americana	1.76	6.28	14.97	16.26	16.86	18.06
Gavia	arctica	3.04	21.03	31.03	33.89	32.78	25.69
Fulica	atra	1.7	9.62	15.22	18.19	18.61	17.43
Larus	canus	0	13.19	13.59	12	9.41	0
Alcedo	atthis	0	4.47	5.04	3.96	2.17	0
Mergus	merganser	3.14	17.12	18.73	17.44	19.34	15.62
Spheniscus	demersus	8.04	10.52	28.77	28.58	26.59	29.01
Sterna	hirundo	0.8	7.12	9.13	10.08	8.96	7.32
Pinguinus	impennis	1.34	17.63	20.77	22.63	22.4	23.45
Spheniscus	humboldti	3.37	23.42	21.19	24.55	21.35	10.7
Larus	argentatus	0	20.57	21.16	17.38	11.45	0
Alle	alle	0.68	10.56	11.14	12.23	10.39	8.02
Clangula	hyemalis	0.73	18.16	19.32	20.19	19.24	10.13
Gavia	stellata	1.3	21.69	22.86	21.74	16.99	10.88
Pelecanus	rufescens	0	32.04	30.43	22.27	6.69	0
Aptenodytes	patagonicus	8.85	33.57	38.16	46.72	41.7	30.8
Fumarus	glacialis	1.84	5	15.3	17.53	15.91	12.22
Alca	torda	1.67	13.66	16.03	16.66	15.5	14.1
Aythya	fuligula	2.47	14.26	13.47	14.19	12.36	9.04
Cinclus	cinclus	0.62	5.67	6.9	7.23	6.4	2.4
Sterna	paradisaea	0.71	6.73	9.61	9.6	8.75	6.51
Phalacrocorax	carbo	1.41	12.63	20.63	22.12	21.59	19.11
Phalacrocorax	bougainvillii	2.49	19.88	21.11	19.81	22.33	13.62
Podiceps	cristatus	2.14	14.42	16.71	17.83	14.77	13.99
Tockus	nasutus	0.99	7.55	11.24	9.97	6.21	5.57
Hirundo	rustica	0	3.57	3.57	3.81	3.13	0
Gypaetus	barbatus	4.16	15.51	32.19	41.17	40.89	28.99
Turdus	merula	0.67	7.97	9.04	8.53	8.71	4.13
Eremopterix	leucotis	0.24	3.36	4.32	4.33	4.1	2.8
Elanus	caerulus	1.35	8.1	11.54	14.26	13.1	9.57
Amazona	aestiva	1.96	8.08	11.38	11.26	13.67	14.05
Columba	bollii	2.32	4.77	6.91	8.92	9.87	6.68
Melopsittacus	undulatus	0.65	1.96	3.71	4.09	4.3	2.96
Streptopelia	decaocto	1.65	4.27	5.55	7.57	7.87	6.17

Name	Rib 6 Width of Uncinate at Tip	Rib 2 Length of UCP	Rib 3 Length of UCP	Rib 4 Length of UCP	Rib 5 Length of UCP	Rib 6 Length of UCP
Columba cayennensis	1.92	7.75	9.12	9.45	9.45	4.86
Corvus corax	0	16.99	17.45	16.87	14.21	0
Passer domesticus	0.37	4.31	5.14	5.43	4.84	3.46
Apus apus	0.48	2.56	4.37	4.37	4.84	3.97
Vultur gryphus	3.18	0	24.06	39	33.21	23.24
Chrysococcyx caprius	0	2.14	4.03	4.11	3.77	0
Bubo bubo	1.29	10.9	14.58	17.44	17.19	17.16
Sturnus vulgaris	0.48	7.02	7.88	7.35	4.74	1.79
Agapornis fischeri	0.7	1.97	3.95	4.76	3.43	1.68
Aquila chrysaetus	5.06	13.49	21.28	29.19	31.32	27.01
Picoides viridis	0	7.59	8.36	7.14	4.8	0
Buceros bicornis	0	9.29	15.52	13.95	13.64	0
Psittacus erithacus	1.84	1.82	5.95	8.88	10.34	5.14
Falco rusticolus	2.21	11.43	19.17	19.62	21.32	20
Loriculus galgulus	0.3	1.6	3.45	4.6	3.31	1.71
Chlamydotis undulata	2.22	10.08	18.8	23.34	24.99	17.1
Phaethornis yaruqui	0	1.89	1.89	2.06	2.06	0
Falco biarmicus	2.91	6.3	12.5	13.06	16.65	15.53
Chordeiles acutipennis	0.77	0	5.42	6.45	7.26	5.08
Athene noctua	0	6.42	9.13	10.13	8.23	0
Bubo ascalaphus	0	6.67	8.83	11.79	12.58	0
Agapornis roseicollis	0.75	4.22	5.18	5.17	4.47	1.85
Mimus polyglottos	0.24	3.02	3.38	2.55	2.25	1.5
Oena capensis	1.05	3.7	3.89	4.17	4.16	2.88
Trichoglossus haematodus	1.23	2.92	6.89	8.9	7.52	5.28
Chrysolampis mosquitus	0.31	1.74	2.23	2.23	2.35	1.82
Polytelis swainsonii	0.57	3.93	5.31	6.6	6.6	6.8
Ramphastos tucanus	2.3	10.73	12.32	11.17	9.54	2.45
Colius colius	1.44	4.46	6.2	6.35	6.34	4.87
Trogon viridis	0	4.47	6.56	6.54	4.87	0
Rostratula semicollaris	1.92	7.75	9.12	9.45	9.45	4.86
Perdix perdix	1.77	6.5	6.73	5.74	5.22	2.52
Phoenicopterus rubur	3.01	27.18	29.07	29.05	21.37	12.1
Botaurus stellaris	1.22	6	4.16	4.16	4.34	3.6

Name		Rib 6	Rib 2	Rib 3	Rib 4	Rib 5	Rib 6
		Width of Uncinate at Tip	Length of UCP	Length of UCP	Length of UCP	Length of UCP	Length of UCP
Francolinus	pondicerianus	0.71	4.4	4.4	4.82	4.62	2.96
Ardea	alba	0	9.55	13.51	13.5	9.39	0
Tetraogallus	himalayensis	0	8.26	10.47	11.99	10.67	0
Thinocorus	rumicovorus	0.5	4.34	6.38	5.85	6.98	3.69
Aramus	guarauna	0.99	0	5.9	9.15	10.63	8
Ixobrychus	minutus	0	1.82	4.07	3.8	1.97	0
Leptoptilos	crumeniferus	0	0	17.26	20.76	18.8	0
Pterocles	exustus	0.91	3.22	5.13	7.16	8.77	4.57
Sagittarius	serpentarius	13.06	0	14.32	14.84	12.98	11.17
Platalea	leucorodia	0	6.54	12.49	10.58	8.2	0
Scolopax	rusticola	2.03	0	4.92	5.99	6.02	7.46
Branta	leucopsis	1.86	5.75	10.83	11.32	11.06	12.16
Cygnus	atratus	4.41	0	15.95	19.58	21.59	19.54
Somateria	mollissima	2.97	9.95	15.57	14.12	15.15	17
Anas	falcata	0.82	11.32	12.01	9.78	9.49	6.26
Aythya	marila	2.16	13.9	11.67	10.58	12.86	13.05
Gallinula	chloropus	1.18	8.98	10.97	11.43	11.98	11.42
Anas	acuta	1.53	12.47	12.46	12.71	7.99	8.74
Tadorna	ferruginea	1.42	8.45	10.53	9.28	9.78	8.58
Tadorna	tadorna	2.22	7.23	7.78	7.18	10.08	12.87
Anser	albifrons	3.07	12.79	13.68	14.01	13.98	12.01
Falco	tinnuculus	1.11	5.71	8.68	10.85	11.54	8.47
Tetrao	urogallus	1.3	8.22	10.81	12.11	13.51	10.35
Casuarius	casuarius	10.52	0	0	15.34	27.32	29.53
Apteryx	haastii	2.55	27.45	25.29	29.48	21.89	11.71
Dinornis	maximus	9.57	40.91	45.34	43.8	51.83	47.81
Struthio	camelus	0	0	24.83	35.41	31.18	0
Phasianus	colchicus	0	4.19	6.59	7.46	7.85	0
Geococcyx	californianus	0	3.59	6.63	6.49	3.97	0
Eudromia	elegans	0	3.55	5.87	7.3	6.94	0
Meleagris	gallopavo	0	7.31	7.97	8.18	5.09	0
Alectoris	rufa	0.83	6.03	7.42	7.27	7.3	5.28

Name		Rib 2	Rib 3	Rib 4	Rib 5
		Dorsal length to Sternal rib	Dorsal length to Sternal rib	Dorsal length to Sternal rib	Dorsal length to Sternal rib
Fulica	americana	10.49	13.23	14.62	17.81
Gavia	arctica	18.39	15.33	17.35	22.24
Fulica	atra	16.14	16.86	18.05	18.66
Larus	canus	13.91	15.82	19.43	20.69
Alcedo	atthis	5.65	6.47	7.7	8.55
Mergus	merganser	26.72	24.32	24.87	28.93
Spheniscus	demersus	25.12	26.91	28.54	34.32
Sterna	hirundo	6.97	7.81	9.83	11.42
Pinguinus	impennis	25.03	19.52	24.22	32.98
Spheniscus	humboldti	23.95	30.78	35.36	43.07
Larus	argentatus	23.67	30.2	32.81	35.26
Alle	alle	13.72	13.08	19.1	22.86
Clangula	hyemalis	18.81	22.45	29.56	34.98
Gavia	stellata	12.71	13.24	15.95	22.01
Pelecanus	rufescens	35.71	42.81	46.83	51.46
Aptenodytes	patagonicus	56.08	55.25	58.2	69.55
Fumarus	glacialis	13.69	16.52	20.42	23.4
Alca	torda	14.35	13.63	16.15	21.32
Aythya	fuligula	17.34	17.43	19.47	21.34
Cinclus	cinclus	5.9	5.97	7.9	8.66
Sterna	paradisaea	6.05	7.57	9.03	12.05
Phalacrocorax	carbo	18.58	17.26	26.03	26.87
Phalacrocorax	bougainvillii	26.2	28.06	32.38	25.6
Podiceps	cristatus	14.61	15.64	16.57	10.76
Tockus	nasutus	9.04	9.54	12.1	12.17
Hirundo	rustica	4.37	4.69	4.92	5.68
Gypaetus	barbatus	35.6	32.41	31.67	38.45
Turdus	merula	6.52	6.35	8.79	9.52
Eremopterix	leucotis	2.74	3.36	4.28	5.19
Elanus	caerulus	8.51	12.27	17.52	19.68
Amazona	aestiva	7.82	10.91	14.19	15.38
Columba	bollii	8.96	7.52	8.53	10.39
Melopsittacus	undulatus	3.9	3.41	3.73	5.79
Streptopelia	decaocto	8.54	7.99	7.77	7.54

Name		Rib 2	Rib 3	Rib 4	Rib 5
		Dorsal length to Sternal rib	Dorsal length to Sternal rib	Dorsal length to Sternal rib	Dorsal length to Sternal rib
Columba	cayennensis	10.17	9.23	9.32	10.5
Corvus	corax	19.82	25.29	27.61	33.05
Passer	domesticus	4.63	5.39	5.6	5.97
Apus	apus	4.33	5.46	6.2	7.63
Vultur	gryphus	0	30.88	39.54	55.81
Chrysococcyx	caprius	2.57	4.58	4.94	5.23
Bubo	bubo	19.07	17.31	19.59	23.38
Sturnus	vulgaris	5.93	6.98	7.1	8.65
Agapornis	fischeri	5.35	5.25	5.71	6.86
Aquila	chrysaetus	13.99	14.79	22.31	22.65
Picoides	viridis	7.35	10.19	12.86	15.79
Buceros	bicornis	24.78	27.06	34.37	40.83
Psittacus	erithacus	10.16	13.74	12.79	15.77
Falco	rusticolus	12.56	12.43	16.29	19.78
Loriculus	galgulus	3.09	3.41	4.9	6.11
Chlamydotis	undulata	15.27	22.42	21.42	28.73
Phaethornis	yaruqui	2.07	1.68	3.87	5.1
Falco	biarmicus	9.75	11.84	12.99	15.55
Chordeiles	acutipennis	0	4.68	3.65	4.02
Athene	noctua	3.96	6.9	7.35	9.38
Bubo	ascalaphus	13.11	13.74	15.85	20.25
Agapornis	roseicollis	4.44	4.55	5.3	6.69
Mimus	polyglottos	2.87	2.73	4.54	5.85
Oena	capensis	3.46	4.34	4.21	5.03
Trichoglossus	haematodus	7.05	8.37	8.46	10.04
Chrysolampis	mosquitus	1.69	1.53	1.82	2.29
Polytelis	swainsonii	0	5.43	6.97	7.9
Ramphastos	tucanus	11.81	12.91	16.54	16.88
Colius	colius	3.79	4.66	4.56	5.74
Trogon	viridis	7.7	6.99	7.59	9.84
Rostratula	semicollaris	10.17	9.23	9.32	10.5
Perdix	perdix	6.43	10.1	10.15	11.49
Phoenicopterus	rubur	22.05	28.29	21.56	33.91
Botaurus	stellaris	16.67	21.02	25.91	30.4

Name		Rib 2	Rib 3	Rib 4	Rib 5
		Dorsal length to Sternal rib	Dorsal length to Sternal rib	Dorsal length to Sternal rib	Dorsal length to Sternal rib
Francolinus	pondicerianus	5.52	7.24	7.58	7.63
Ardea	alba	28.31	33.99	43.02	48.61
Tetraogallus	himalayensis	19.06	19.3	20.51	20.95
Thinocorus	rumicovorus	5.4	4.35	5.93	6.55
Aramus	guarauna	0	13.86	14.56	18.47
Ixobrychus	minutus	9.76	12.54	11.47	18.53
Leptoptilos	crumeniferus	0	63.87	57.32	74.8
Pterocles	exustus	7.14	6.42	6.65	7.54
Sagittarius	serpentarius	0	22.53	25.55	33.06
Platalea	leucorodia	23.39	18.9	22.98	31.12
Scolopax	rusticola	0	6.61	6.64	14.34
Branta	leucopsis	16.09	21.89	57.69	26.96
Cygnus	atratus	0	39.43	49.96	58.25
Somateria	mollissima	26.83	25.01	25.5	29.55
Anas	falcata	12.5	18.06	15.24	20.55
Aythya	marila	21.85	20.25	24.05	27.84
Gallinula	chloropus	9.01	12.82	13.04	14.8
Anas	acuta	24.27	19.88	18.82	24.47
Tadorna	ferruginea	16.53	17.2	17.3	20.31
Tadorna	tadorna	13.89	19.59	17.87	21.11
Anser	albifrons	29.95	29.29	29	37.78
Falco	tinnuculus	6.46	5.81	4.71	7.01
Tetrao	urogallus	15.51	18.36	20.54	23.25
Casuarius	casuarius	0	0	44.18	38.28
Apteryx	haastii	21.66	20.27	26.99	30.3
Dinornis	maximus	35.77	92.83	106.47	134.35
Struthio	camelus	0	58.79	91.05	96.39
Phasianus	colchicus	5.16	7.94	7.69	8.2
Geococcyx	californianus	10.59	13.3	11.91	12.16
Eudromia	elegans	3.99	4.01	6.39	5.07
Meleagris	gallopavo	9.75	10.19	8.86	8.82
Alectoris	rufa	0	10.09	12.83	12.84

Name		Rib 6	Rib 2	Rib 3	Rib 4
		Dorsal length to Sternal rib	Total Length of Dorsal Rib	Total Length of Dorsal Rib	Total Length of Dorsal Rib
Fulica	americana	19.35	32.04	36.97	39.67
Gavia	arctica	28.73	74.05	75.9	80.11
Fulica	atra	22.63	40.43	45.01	49.36
Larus	canus	0	38.68	39	40.96
Alcedo	atthis	0	16.63	18.73	19.29
Mergus	merganser	37.28	62.17	62.17	61.3
Spheniscus	demersus	41.79	76.48	84.22	86.59
Sterna	hirundo	12.57	26.27	28.01	29.28
Pinguinus	impennis	43.76	58.75	60.03	66.83
Spheniscus	humboldti	52.42	75.35	83.5	87.35
Larus	argentatus	0	63.75	67.17	68.21
Alle	alle	27.41	35.01	36.49	41.6
Clangula	hyemalis	45.21	52.1	56.06	60.56
Gavia	stellata	27.83	54.72	55.99	57.88
Pelecanus	rufescens	0	108.65	112.17	111.06
Aptenodytes	patagonicus	85.84	141.05	146.8	151.08
Fumarus	glacialis	23.16	45.43	50.2	53.32
Alca	torda	28.68	45.89	49.1	52.75
Aythya	fuligula	27.35	41.87	42.94	45.76
Cinclus	cinclus	8.98	18.65	20.42	22.84
Sterna	paradisaea	14.52	23.55	24.99	25.97
Phalacrocorax	carbo	31.11	56.18	58.09	66.26
Phalacrocorax	bougainvillii	34.56	68.18	70.66	71.43
Podiceps	cristatus	16.35	45.26	47.97	50.35
Tockus	nasutus	15	27.78	29.2	31.31
Hirundo	rustica	0	11.85	12.53	13.14
Gypaetus	barbatus	53.75	90.31	92.47	93.6
Turdus	merula	13.15	20.05	20.95	23.39
Eremopterix	leucotis	6.05	9.48	10.56	11.54
Elanus	caerulus	23.81	27.59	25.79	29.14
Amazona	aestiva	16.93	28.58	33.51	35.68
Columba	bollii	10.77	24.46	25.98	28.99
Melopsittacus	undulatus	7.83	12.44	13.2	13.53
Streptopelia	decaocto	9.39	21.1	23.51	25

Name		Rib 6	Rib 2	Rib 3	Rib 4
		Dorsal length to Sternal rib	Total Length of Dorsal Rib	Total Length of Dorsal Rib	Total Length of Dorsal Rib
Columba	cayennensis	13.66	27.55	28.26	29.77
Corvus	corax	0	55.26	59.34	60.67
Passer	domesticus	7.15	12.36	14.37	14.37
Apus	apus	9.61	12.52	14.83	16.14
Vultur	gryphus	71.67	82.68	91.17	102.71
Chrysococcyx	caprius	0	10.4	13.6	13.61
Bubo	bubo	28.02	37.95	41.86	43.38
Sturnus	vulgaris	10.44	18.05	19.94	20.26
Agapornis	fischeri	8.07	14.67	15.22	15.68
Aquila	chrysaetus	28.82	55.01	59.29	59.25
Picoides	viridis	0	21.16	25.96	28.55
Buceros	bicornis	0	69	75.13	80.39
Psittacus	erithacus	22.05	33.6	39.51	42.11
Falco	rusticolus	25.49	44.57	49.95	55.66
Loriculus	galgulus	6.37	10.9	13.14	14.9
Chlamydotis	undulata	33.15	53.8	60.58	58.54
Phaethornis	yaruqui	0	8.36	8.82	10.48
Falco	biarmicus	16.98	36.58	38.59	40.42
Chordeiles	acutipennis	8.92	7.07	14.57	15.24
Athene	noctua	0	21.9	24.85	25.4
Bubo	ascalaphus	0	46.28	51.28	54.55
Agapornis	roseicollis	7.86	15.03	15.93	16.68
Mimus	polyglottos	7.42	8.46	8.61	10.27
Oena	capensis	6.51	11.98	14.73	14.6
Trichoglossus	haematodus	14.76	20.7	22.63	23.81
Chrysolampis	mosquitus	2.57	7.01	7.51	8.31
Polytelis	swainsonii	8.79	22.17	24.98	26.92
Ramphastos	tucanus	24.61	34.92	34.93	39.33
Colius	colius	9.34	14.04	15.95	16.83
Trogon	viridis	0	21.14	22.42	24.18
Rostratula	semicollaris	13.66	27.55	28.26	29.77
Perdix	perdix	12.55	19.64	22.59	23.83
Phoenicopterus	rubur	39.15	76.07	80.15	76.17
Botaurus	stellaris	0	58.42	64.79	70.02

Name		Rib 6	Rib 2	Rib 3	Rib 4
		Dorsal length to Sternal rib	Total Length of Dorsal Rib	Total Length of Dorsal Rib	Total Length of Dorsal Rib
Francolinus	pondicerianus	7.93	15.72	18.1	19.25
Ardea	alba	0	68.95	73.27	79.4
Tetraogallus	himalayensis	0	47	48.66	50.48
Thinocorus	rumicovorus	8.74	16.57	17.56	19.36
Aramus	guarauna	24.9	38.84	41.38	44.77
Ixobrychus	minutus	0	26.61	31.05	31.66
Leptoptilos	crumeniferus	0	111.94	111.4	113.64
Pterocles	exustus	8.09	21.98	22.11	23.13
Sagittarius	serpentarius	38.47	56.87	68.38	72.9
Platalea	leucorodia	0	54.52	53.05	57.34
Scolopax	rusticola	13.81	24.06	25.08	26.3
Branta	leucopsis	31.61	52.9	58.73	61.77
Cygnus	atratus	70.07	95.51	101.48	113.32
Somateria	mollissima	36.83	62.49	62.49	65.1
Anas	falcata	20.18	41.51	42.26	47.88
Aythya	marila	34.54	47.1	49.86	52.87
Gallinula	chloropus	19.15	27.33	32.48	34.45
Anas	acuta	26.76	49.49	46.08	48.72
Tadorna	ferruginea	25.12	41.02	45.06	46.2
Tadorna	tadorna	27.59	41.56	48.93	48.88
Anser	albifrons	41.56	64.94	66.6	64.11
Falco	tinnuculus	7.83	21.58	23.29	22.6
Tetrao	urogallus	17.82	39.85	47.26	52.46
Casuarius	casuarius	45.25	103.24	133.52	146.8
Apteryx	haastii	39.63	57.15	61.18	67.9
Dinornis	maximus	146.62	159.83	223.58	259
Struthio	camelus	0	173.71	239.7	273.8
Phasianus	colchicus	0	22.37	26.4	26.94
Geococcyx	californianus	0	23.17	31.1	33.18
Eudromia	elegans	0	23.83	24.94	27.48
Meleagris	gallopavo	0	30.06	33.12	33.9
Alectoris	rufa	14.11	27.07	28.97	30.51

Name		Rib 5 Total Length of Dorsal Rib	Rib 6 Total Length of Dorsal Rib	Rib 2 Total Length of Sternal Rib
Fulica	americana	43.41	45.72	14.96
Gavia	arctica	88.15	92.34	23.57
Fulica	atra	52.77	55.04	13.42
Larus	canus	43.36	45.41	12.73
Alcedo	atthis	19.26	19.71	8.89
Mergus	merganser	63.61	65.95	0
Spheniscus	demersus	92.83	99	0
Sterna	hirundo	30.04	30.04	7.52
Pinguinus	impennis	78.2	87.08	23.88
Spheniscus	humboldti	92.6	95.86	25.54
Larus	argentatus	69.04	69.1	19.82
Alle	alle	44.54	48.55	18.64
Clangula	hyemalis	63.22	68.87	22.5
Gavia	stellata	61.01	62.33	19.11
Pelecanus	rufescens	112.41	112.04	25.33
Aptenodytes	patagonicus	158.56	166.96	41.57
Fumarus	glacialis	55.66	55.7	13.8
Alca	torda	58.86	65.16	19.46
Aythya	fuligula	47.63	48.9	13.47
Cinclus	cinclus	23.6	21.75	4.76
Sterna	paradisaea	27.22	29.09	7.75
Phalacrocorax	carbo	66.24	67.93	0
Phalacrocorax	bougainvillii	68.89	73.76	29.4
Podiceps	cristatus	46.29	49.15	11.74
Tockus	nasutus	32.09	34.5	10.01
Hirundo	rustica	13.69	14.31	3.26
Gypaetus	barbatus	97.03	105.58	17.27
Turdus	merula	24.5	26.16	7.15
Eremopterix	leucotis	12.27	13.13	3.11
Elanus	caerulus	29.13	32.14	8.73
Amazona	aestiva	37.33	39.87	0
Columba	bollii	30.88	31.24	0
Melopsittacus	undulatus	15.94	17.51	0
Streptopelia	decaocto	24.22	26.07	4.48

Name		Rib 5 Total Length of Dorsal Rib	Rib 6 Total Length of Dorsal Rib	Rib 2 Total Length of Sternal Rib
Columba	cayennensis	29.77	30.57	5.57
Corvus	corax	64.19	67.76	18.66
Passer	domesticus	14.52	15.2	2.8
Apus	apus	17.68	19.42	6.42
Vultur	gryphus	115.35	121.54	27.92
Chrysococcyx	caprius	13.59	13.06	0
Bubo	bubo	43.36	43.63	14.6
Sturnus	vulgaris	21.05	21.86	6.35
Agapornis	fischeri	15.89	16.83	4.12
Aquila	chrysaetus	62	63.45	17.1
Picoides	viridis	30.22	31.59	10.58
Buceros	bicornis	81.87	86.6	22.22
Psittacus	erithacus	43.08	46.01	0
Falco	rusticolus	57.39	59.31	0
Loriculus	galgulus	15.7	14.96	0
Chlamydotis	undulata	66.18	71.85	0
Phaethornis	yaruqui	11.72	11.82	3.74
Falco	biarmicus	40.98	42.47	11.52
Chordeiles	acutipennis	16.14	20.34	0
Athene	noctua	27.16	29.61	9.8
Bubo	ascalaphus	58.99	61.91	16.79
Agapornis	roseicollis	17.82	19.28	4.93
Mimus	polyglottos	11.23	11.63	2.43
Oena	capensis	15.42	16.03	1.58
Trichoglossus	haematodus	25.39	28.12	0
Chrysolampis	mosquitus	8.97	9.56	2.82
Polytelis	swainsonii	27.27	29.14	0
Ramphastos	tucanus	40.88	45.01	12.56
Colius	colius	18.29	19.25	0
Trogon	viridis	26.07	26.42	6.56
Rostratula	semicollaris	29.77	30.57	5.57
Perdix	perdix	24.86	25.4	0
Phoenicopterus	rubur	80.4	81.34	16.61
Botaurus	stellaris	73.13	73.62	24.84

Name		Rib 5 Total Length of Dorsal Rib	Rib 6 Total Length of Dorsal Rib	Rib 2 Total Length of Sternal Rib
Francolinus	pondicerianus	20.28	20.26	0
Ardea	alba	84.41	89.86	11.69
Tetraogallus	himalayensis	51.1	53.55	0
Thinocorus	rumicovorus	21.22	22.65	4.72
Aramus	guarauna	48.78	54.32	10.55
Ixobrychus	minutus	34.05	0	0
Leptoptilos	crumeniferus	126.08	133.52	20.29
Pterocles	exustus	23.63	23.39	7.87
Sagittarius	serpentarius	74.09	75.93	13.6
Platalea	leucorodia	61.42	69.35	13.9
Scolopax	rusticola	29.85	29.84	11.29
Branta	leucopsis	61.77	62.83	8.68
Cygnus	atratus	116.66	120.2	24.45
Somateria	mollissima	70.05	73.06	0
Anas	falcata	46.86	49.53	13.38
Aythya	marila	55.36	59.94	0
Gallinula	chloropus	35.84	39.29	12.72
Anas	acuta	48.8	50.3	11.01
Tadorna	ferruginea	48.09	50.67	10.8
Tadorna	tadorna	48.71	54.42	0
Anser	albifrons	70.2	71.09	16.65
Falco	tinnuculus	24.62	26.35	8.04
Tetrao	urogallus	57.74	54.76	0
Casuarius	casuarius	143.78	141.41	0
Apteryx	haastii	70.87	74.97	20.6
Dinornis	maximus	297.5	318.74	0
Struthio	camelus	266.06	253.64	0
Phasianus	colchicus	28.41	28.41	0
Geococcyx	californianus	34.57	35.21	0
Eudromia	elegans	27.02	28.01	14.98
Meleagris	gallopavo	34.65	32.97	13.62
Alectoris	rufa	31.76	34.5	0

Name		Rib 3	Rib 4	Rib 5
		Total Length of Sternal Rib	Total Length of Sternal Rib	Total Length of Sternal Rib
Fulica	americana	14.07	17.76	21.98
Gavia	arctica	30.91	37.15	67.74
Fulica	atra	17.39	23.44	29.86
Larus	canus	16.86	20.59	26.02
Alcedo	atthis	11	12.94	13.47
Mergus	merganser	19.73	24.72	33.86
Spheniscus	demersus	29.22	33.85	58.89
Sterna	hirundo	9.34	11.7	14.6
Pinguinus	impennis	32.93	42.68	58.6
Spheniscus	humboldti	34.69	43.05	55.69
Larus	argentatus	25.57	30.77	37.42
Alle	alle	24.37	30.15	37.23
Clangula	hyemalis	30.3	39.66	50.9
Gavia	stellata	26.77	33.99	45.73
Pelecanus	rufescens	36.87	49.94	67.56
Aptenodytes	patagonicus	56.97	76.31	96.22
Fumarus	glacialis	15.4	20.1	28.06
Alca	torda	24.64	32.9	41.16
Aythya	fuligula	16.49	22.24	27.89
Cinclus	cinclus	6.78	9.6	11.59
Sterna	paradisaea	10.23	13.37	17.64
Phalacrocorax	carbo	0	34.32	45.91
Phalacrocorax	bougainvillii	41.95	53.3	64.03
Podiceps	cristatus	16.47	19.58	35.08
Tockus	nasutus	14.04	18.68	20.56
Hirundo	rustica	4.66	5.89	7.89
Gypaetus	barbatus	24.86	32.33	38.89
Turdus	merula	9.35	11.45	13.03
Eremopterix	leucotis	4.2	4.84	5.71
Elanus	caerulus	10.62	16.13	20.19
Amazona	aestiva	12.15	15.65	20.03
Columba	bollii	8.14	10.65	15.89
Melopsittacus	undulatus	5.55	7.48	9.28
Streptopelia	decaocto	7.98	10.38	13.9

Name		Rib 3 Total Length of Sternal Rib	Rib 4 Total Length of Sternal Rib	Rib 5 Total Length of Sternal Rib
Columba	cayennensis	11.18	14.58	18.9
Corvus	corax	25.12	31.14	36.05
Passer	domesticus	5.21	6.85	8.15
Apus	apus	7.98	9.75	12.18
Vultur	gryphus	27.92	32.58	34.95
Chrysococcyx	caprius	4.7	6.56	8.96
Bubo	bubo	24.55	31.77	38.05
Sturnus	vulgaris	7.63	11.14	13.17
Agapornis	fischeri	6.39	7.56	8.89
Aquila	chrysaetus	23.91	28.76	39.49
Picoides	viridis	13.81	18.21	22.83
Buceros	bicornis	30.52	40.68	53.52
Psittacus	erithacus	10.21	13.84	17.08
Falco	rusticolus	18.88	24.18	27.78
Loriculus	galgulus	5.41	6.4	7.9
Chlamydotis	undulata	21.61	27.18	30.53
Phaethornis	yaruqui	4.27	6.07	6.91
Falco	biarmicus	15.2	20.05	23.77
Chordeiles	acutipennis	0	6.37	7.83
Athene	noctua	12.69	15.67	18.68
Bubo	ascalaphus	19.97	27.65	33.01
Agapornis	roseicollis	6.06	8.05	9.46
Mimus	polyglottos	4.15	4.92	5.4
Oena	capensis	2.79	6.37	9.12
Trichoglossus	haematodus	8.05	11.04	14.01
Chrysolampis	mosquitus	3.2	3.55	4.07
Polytelis	swainsonii	8.19	10.24	11.91
Ramphastos	tucanus	16.4	22.7	26.85
Colius	colius	6.26	7.77	11.25
Trogon	viridis	8.66	10.8	12.47
Rostratula	semicollaris	11.18	14.58	18.9
Perdix	perdix	11.85	16.84	21.14
Phoenicopterus	rubur	25.08	34.5	49.86
Botaurus	stellaris	33.61	42.68	52.9

Name		Rib 3	Rib 4	Rib 5
		Total Length of Sternal Rib	Total Length of Sternal Rib	Total Length of Sternal Rib
Francolinus	pondicerianus	9.49	14.31	19.02
Ardea	alba	20.24	24.19	32.28
Tetraogallus	himalayensis	0	0	0
Thinocorus	rumicovorus	5.62	8.17	11.59
Aramus	guarauna	15.54	20.75	25.74
Ixobrychus	minutus	10.98	13.81	14.02
Leptoptilos	crumeniferus	26.53	37.82	45.15
Pterocles	exustus	10.51	13.36	16.75
Sagittarius	serpentarius	22.92	27.76	33.7
Platalea	leucorodia	17.22	21.92	27.42
Scolopax	rusticola	13.82	13.34	15.68
Branta	leucopsis	13.85	19.6	23.15
Cygnus	atratus	30.66	49.26	63.5
Somateria	mollissima	43.8	51.06	55.82
Anas	falcata	16.47	22.52	24.84
Aythya	marila	17.28	22.53	29.33
Gallinula	chloropus	15.22	17.89	20.51
Anas	acuta	14.82	19.78	23.72
Tadorna	ferruginea	13.47	17.33	22.62
Tadorna	tadorna	9.42	13.22	16.51
Anser	albifrons	19.28	25.75	34.13
Falco	tinnuculus	12.09	13.12	15.26
Tetrao	urogallus	14.83	24.59	33.38
Casuarius	casuarius	0	81.04	98.51
Apteryx	haastii	25.75	32.7	38.78
Dinornis	maximus	76.18	113.78	143.4
Struthio	camelus	84.08	119.41	158.23
Phasianus	colchicus	10.98	19.74	24.08
Geococcyx	californianus	15.58	19.25	24.63
Eudromia	elegans	20.84	25.81	29.63
Meleagris	gallopavo	19.64	25.61	32.18
Alectoris	rufa	13.02	15.96	19.15

		Rib 6			
Name		Total Length of Sternal Rib	Sternum Width at Widest Point	Sternum Length at Longest Point	Sternum Depth
Fulica	americana	26.26	23.37	46.92	21.73
Gavia	arctica	78.9	83.73	187.95	46.77
Fulica	atra	35.4	23.58	57.92	24.43
Larus	canus	32.86	28.81	50.73	27.4
Alcedo	atthis	13.51	12.17	25.94	10.03
Mergus	merganser	41.41	53.11	116.25	21.82
Spheniscus	demersus	70.87	66.4	119.83	44.36
Sterna	hirundo	18.34	16.98	34.43	20.61
Pinguinus	impennis	69.95	39.03	115.09	39.77
Spheniscus	humboldti	68.29	36.83	119.42	40.47
Larus	argentatus	48.27	40.83	67.05	36.66
Alle	alle	43.82	20	56.64	22.9
Clangula	hyemalis	59.66	41.72	98.85	25.21
Gavia	stellata	57.23	56.18	140.82	30.78
Pelecanus	rufescens	85.07	85.05	86.4	58.85
Aptenodytes	patagonicus	119.27	106.95	229.86	62.55
Fumarus	glacialis	37.51	42.39	45.8	32.33
Alca	torda	50.92	34.29	99.04	33.06
Aythya	fuligula	35.13	36.49	63.72	21.31
Cinclus	cinclus	13.29	14.61	25.53	10.36
Sterna	paradisaea	22.37	16.63	32.82	18.75
Phalacrocorax	carbo	54.71	51.82	75.03	27.99
Phalacrocorax	bougainvillii	72.89	56.42	98.41	34.2
Podiceps	cristatus	45.58	38.5	61.69	26.15
Tockus	nasutus	13.35	19.72	36.79	15.21
Hirundo	rustica	9.5	9.75	15.71	6.71
Gypaetus	barbatus	47.58	87.66	111.8	55.7
Turdus	merula	15.62	16.04	29.24	14.15
Eremopterix	leucotis	5.7	7.63	9.84	4.2
Elanus	caerulus	25.98	26.17	38.43	20.65
Amazona	aestiva	23.98	26.17	64.91	28.42
Columba	bollii	18.77	27.35	58.15	31.12
Melopsittacus	undulatus	10.53	10.97	29.41	15.17
Streptopelia	decaocto	18.06	21.17	52.12	27.56

		Rib 6			
Name		Total Length of Sternal Rib	Sternum Width at Widest Point	Sternum Length at Longest Point	Sternum Depth
Columba	cayennensis	22.67	24.7	58.16	31.57
Corvus	corax	36.11	41.68	69.79	30.04
Passer	domesticus	10.03	11.23	18.21	9.22
Apus	apus	14.82	9.79	26.2	15.65
Vultur	gryphus	45.61	72.18	127.97	69.97
Chrysococcyx	caprius	11.83	8.79	14.84	8.19
Bubo	bubo	46.85	45.14	78.23	38.83
Sturnus	vulgaris	15.29	15.5	29.7	13.08
Agapornis	fischeri	9.99	11.43	31.07	13.63
Aquila	chrysaetus	45.31	57.97	104.09	48.58
Picoides	viridis	22.76	15.89	39.56	17.54
Buceros	bicornis	42.61	53.32	106.07	42.71
Psittacus	erithacus	20.1	27.83	65.98	26.74
Falco	rusticolus	33.07	47.69	81.22	34.21
Loriculus	galgulus	10.89	10.29	24.37	11.67
Chlamydotis	undulata	37.59	51.16	91.68	47.27
Phaethornis	yaruqui	8.02	5.24	14.86	10.55
Falco	biarmicus	26.62	33.88	73.7	38.28
Chordeiles	acutipennis	15.84	14.1	22.89	13.61
Athene	noctua	20.94	18.53	27.25	10.94
Bubo	ascalaphus	36.52	38.74	53.87	33
Agapornis	roseicollis	10.7	14.27	32.15	14.21
Mimus	polyglottos	6.44	6.82	12.79	6.01
Oena	capensis	11.84	12.9	29.27	18.28
Trichoglossus	haematodus	16.09	17.59	45.16	23.83
Chrysolampis	mosquitus	4.99	4.16	15.3	10.63
Polytelis	swainsonii	15.9	18.42	45.61	21.12
Ramphastos	tucanus	30.63	21.3	44.51	15.23
Colius	colius	13.39	12.18	24.82	8.95
Trogon	viridis	7.14	18.89	27.33	14.86
Rostratula	semicollaris	22.67	24.7	58.16	31.57
Perdix	perdix	24.82	48.23	20.09	37.08
Phoenicopterus	rubur	58.3	57.06	109.76	64.6
Botaurus	stellaris	43.75	31.07	69.34	29.56

		Rib 6			
Name		Total Length of Sternal Rib	Sternum Width at Widest Point	Sternum Length at Longest Point	Sternum Depth
Francolinus	pondicerianus	20.91	16.11	42.49	27.95
Ardea	alba	45.35	50.05	88.29	50.96
Tetraogallus	himalayensis	0	36.87	74.31	59.58
Thinocorus	rumicovorus	14.34	15.65	31.24	20.38
Aramus	guarauna	30.23	26.69	72.24	26.36
Ixobrychus	minutus	0	12.95	29.9	14.09
Leptoptilos	crumeniferus	62.22	79.97	87.89	109.68
Pterocles	exustus	21.76	19.4	57.91	33.66
Sagittarius	serpentarius	41.61	49.23	103.07	50.98
Platalea	leucorodia	35.61	46.43	83.69	38.41
Scolopax	rusticola	18.89	24.08	58.43	30.72
Branta	leucopsis	41.25	52.49	122.14	46.48
Cygnus	atratus	79.08	76.21	191.51	63.84
Somateria	mollissima	57.07	57.84	102.34	34.62
Anas	falcata	33.87	36.67	92.79	27.55
Aythya	marila	37.84	47.16	81.98	26.35
Gallinula	chloropus	23.11	15.64	40.6	16.8
Anas	acuta	29.46	39.1	94.98	25.69
Tadorna	ferruginea	27.52	41.09	88.06	27.64
Tadorna	tadorna	23.2	44.61	88.19	28.07
Anser	albifrons	41.95	56.79	125.99	48.39
Falco	tinnuculus	17.53	23.93	54.23	19.15
Tetrao	urogallus	42.22	104.77	39.67	58.97
Casuarius	casuarius	126.56	208.07	125.37	0
Apteryx	haastii	0	30.13	46.3	0
Dinornis	maximus	152.85	98.22	122.82	0
Struthio	camelus	191.93	207.37	218.45	0
Phasianus	colchicus	25.23	70.32	21	37.73
Geococcyx	californianus	16.86	23.13	32.28	11.45
Eudromia	elegans	0	20.26	83.98	0
Meleagris	gallopavo	20.16	40.33	26.76	48.91
Alectoris	rufa	20.38	43.97	73.08	18.54

Name		Length of Vertebral Column
Fulica	americana	54.49
Gavia	arctica	115.57
Fulica	atra	65.87
Larus	canus	43.06
Alcedo	atthis	17.68
Mergus	merganser	93.18
Spheniscus	demersus	101.93
Sterna	hirundo	33.77
Pinguinus	impennis	81.54
Spheniscus	humboldti	93.21
Larus	argentatus	53.24
Alle	alle	39.49
Clangula	hyemalis	50.62
Gavia	stellata	81.61
Pelecanus	rufescens	106.65
Aptenodytes	patagonicus	185.31
Fumarus	glacialis	68.73
Alca	torda	73.67
Aythya	fuligula	50.98
Cinclus	cinclus	23.77
Sterna	paradisaea	33.13
Phalacrocorax	carbo	90.27
Phalacrocorax	bougainvillii	92.9
Podiceps	cristatus	67.96
Tockus	nasutus	40.83
Hirundo	rustica	13.69
Gypaetus	barbatus	108.85
Turdus	merula	27.25
Eremopterix	leucotis	11.93
Elanus	caerulus	42.95
Amazona	aestiva	51.75
Columba	bollii	38.77
Melopsittacus	undulatus	22
Streptopelia	decaocto	35.15

Name		Length of Vertebral Column
Columba	cayennensis	42.44
Corvus	corax	60.04
Passer	domesticus	18.97
Apus	apus	18.28
Vultur	gryphus	152.83
Chrysococcyx	caprius	20.16
Bubo	bubo	80.45
Sturnus	vulgaris	25.32
Agapornis	fischeri	20.1
Aquila	chrysaetus	105.98
Picoides	viridis	36.23
Buceros	bicornis	122.22
Psittacus	erithacus	55.51
Falco	rusticolus	77.69
Loriculus	galgulus	21.27
Chlamydotis	undulata	73.04
Phaethornis	yaruqui	11.24
Falco	biarmicus	75.12
Chordeiles	acutipennis	18.29
Athene	noctua	29.96
Bubo	ascalaphus	67.93
Agapornis	roseicollis	21.02
Mimus	polyglottos	11.37
Oena	capensis	22.68
Trichoglossus	haematodus	37.57
Chrysolampis	mosquitus	9.94
Polytelis	swainsonii	32.08
Ramphastos	tucanus	51.69
Colius	colius	23.43
Trogon	viridis	22.15
Rostratula	semicollaris	42.44
Perdix	perdix	40.39
Phoenicopterus	rubur	139.03
Botaurus	stellaris	104.15

Name	Length of Vertebral Column
Francolinus pondicerianus	28.95
Ardea alba	90.91
Tetraogallus himalayensis	61.12
Thinocorus rumicovorus	25.67
Aramus guarauna	85.26
Ixobrychus minutus	47.9
Leptoptilos crumeniferus	163.83
Pterocles exustus	36.73
Sagittarius serpentarius	100.54
Platalea leucorodia	101.67
Scolopax rusticola	42.61
Branta leucopsis	88.92
Cygnus atratus	164.4
Somateria mollissima	92.82
Anas falcata	66.71
Aythya marila	74.96
Gallinula chloropus	55.41
Anas acuta	84.32
Tadorna ferruginea	76.11
Tadorna tadorna	76.35
Anser albifrons	97.96
Falco tinnuculus	39.19
Tetrao urogallus	65.99
Casuarius casuarius	333.05
Apteryx haastii	104.26
Dinornis maximus	587.7
Struthio camelus	426.62
Phasianus colchicus	46.46
Geococcyx californianus	48.49
Eudromia elegans	53.07
Meleagris gallopavo	58.23
Alectoris rufa	41.71