

Supplementary material

Appendix 1. The number of individuals examined for molt and brood patches (n), the number of birds with brood patches (bp) and primary wing molt, the number of birds with brood patches, but not molting, and the proportion of individuals with molt–breeding overlap (% MBO) across passerines by taxonomic groupings for 87 passerine species near Manaus, Brazil. Guilds are AFO (ant-follower), GAP (gap specialist), TIN (terrestrial insectivore), OTH (other insectivore), OFL (obligate flock), FDR (flock dropout), NFO (nonforest), and FRU (frugivores).

Family	Species	Guild	n	# bp with molt	# bp without molt	% MBO
Thamnophilidae	<i>Cymbilaimus lineatus</i>	OTH	19	0	2	0.0
	<i>Frederickena viridis</i>	OTH	82	2	4	33.3
	<i>Thamnophilus murinus</i>	OTH	194	1	14	6.7
	<i>Thamnomanes ardesiacus</i>	OFL	887	17	40	29.8
	<i>Thamnomanes caesius</i>	OFL	720	6	38	13.6
	<i>Epinecrophylla gutturalis</i>	OFL	515	3	7	30.0
	<i>Myrmotherula guttata</i>	OTH	191	2	8	20.0
	<i>Myrmotherula axillaris</i>	FDR	406	2	16	11.1
	<i>Myrmotherula longipennis</i>	OFL	534	7	26	21.2
	<i>Myrmotherula menetriesii</i>	OFL	292	0	16	0.0
	<i>Cercomacra tyrannina</i>	NFO	28	1	2	33.3
	<i>Hypocnemis cantator</i>	GAP	541	7	33	17.5
	<i>Percnostola rufifrons</i>	GAP	762	9	44	17.0
	<i>Schistocichla leucostigma</i>	OTH	140	0	6	0.0
	<i>Myrmeciza ferruginea</i>	OTH	235	11	25	30.6
	<i>Myrmeciza atrothorax</i>	OTH	9	1	0	100.0
	<i>Myrmornis torquata</i>	TIN	160	5	5	50.0
	<i>Pithys albifrons</i>	AFO	1801	19	30	38.8
	<i>Gymnopithys rufigula</i>	AFO	947	34	59	36.6
	<i>Hylophylax naevius</i>	OTH	81	1	3	25.0
<i>Willisornis poecilinotus</i>	OTH	1799	14	97	12.6	
Conopophagidae	<i>Conopophaga aurita</i>	TIN	134	4	8	33.3
Grallariidae	<i>Grallaria varia</i>	TIN	25	0	1	0.0
	<i>Hylopezus macularius</i>	TIN	40	1	7	12.5
	<i>Myrmothera campanisona</i>	GAP	5	0	1	0.0
Formicariidae	<i>Formicarius colma</i>	TIN	374	2	27	6.9
	<i>Formicarius analis</i>	TIN	47	0	1	0.0
Furnariidae	<i>Sclerurus rufigularis</i>	TIN	261	0	15	0.0
	<i>Sclerurus mexicanus</i>	TIN	87	0	3	0.0
	<i>Sclerurus caudacutus</i>	TIN	112	1	2	33.3
	<i>Synallaxis rutilans</i>	OTH	124	0	3	0.0
	<i>Philydor erythrocerum</i>	OFL	124	1	13	7.1
	<i>Philydor pyrrhodes</i>	OTH	38	0	2	0.0

	<i>Automolus ochrolaemus</i>	NFO	130	0	9	0.0
	<i>Automolus infuscatus</i>	OFL	457	2	26	7.1
	<i>Automolus rubiginosus</i>	OTH	144	1	8	11.1
	<i>Xenops minutus</i>	OFL	271	0	16	0.0
	<i>Certhiasomus stictolaemus</i>	OFL	557	0	41	0.0
	<i>Dendrocincla fuliginosa</i>	OTH	276	1	27	3.6
	<i>Dendrocincla merula</i>	AFO	529	2	34	5.6
	<i>Deconychura longicauda</i>	OTH	120	0	4	0.0
	<i>Sittasomus griseicapillus</i>	OTH	53	0	2	0.0
	<i>Glyphorhynchus spirurus</i>	FDR	2008	7	99	6.6
	<i>Hylexetastes perrotji</i>	OTH	66	0	10	0.0
	<i>Dendrocolaptes certhia</i>	OTH	97	2	10	16.7
	<i>Dendrocolaptes picumnus</i>	OTH	16	1	4	20.0
	<i>Xiphorhynchus pardalotus</i>	FDR	939	4	49	7.5
	<i>Campylorhamphus</i>		58	0	6	0.0
	<i>procurvoides</i>	OTH				
Tyrannidae	<i>Corythopsis torquatus</i>	TIN	295	0	17	0.0
	<i>Mionectes macconnelli</i>	FRU	1168	1	28	3.4
	<i>Hemitriccus zosterops</i>	OTH	19	0	5	0.0
	<i>Rhynchocyclus olivaceus</i>	OTH	101	1	3	25.0
	<i>Tolmomyias assimilis</i>	OTH	24	0	4	0.0
	<i>Tolmomyias poliocephalus</i>	OTH	19	0	3	0.0
	<i>Platyrinchus saturatus</i>	OTH	355	0	8	0.0
	<i>Platyrinchus coronatus</i>	OTH	344	1	12	7.7
	<i>Platyrinchus platyrhynchos</i>	OTH	31	1	0	100.0
	<i>Myiobius barbatus</i>	FDR	639	0	16	0.0
	<i>Terentotriccus erythrurus</i>	OTH	172	0	2	0.0
	<i>Rhytipterna simplex</i>	OTH	25	0	2	0.0
	<i>Ramphotrigon ruficauda</i>	OTH	16	0	1	0.0
	<i>Attila spadiceus</i>	OTH	53	0	3	0.0
Cotingidae	<i>Lipaugus vociferans</i>	FRU	21	1	1	50.0
Pipridae	<i>Corapipo gutturalis</i>	FRU	170	0	14	0.0
	<i>Lepidothrix serena</i>	FRU	590	0	16	0.0
	<i>Pipra pipra</i>	FRU	1813	2	86	2.3
	<i>Pipra erythrocephala</i>	FRU	205	0	16	0.0
Tityridae	<i>Schiffornis turdina</i>	FRU	573	0	12	0.0
	<i>Laniocera hypopyrra</i>	OTH	9	0	1	0.0
Vireonidae	<i>Hylophilus muscicapinus</i>	OFL	6	0	1	0.0
	<i>Hylophilus ochraceiceps</i>	OFL	338	1	17	5.6
Troglodytidae	<i>Pheugopedius coraya</i>	NFO	101	0	6	0.0
	<i>Troglodytes aedon</i>	NFO	23	0	3	0.0
	<i>Microcerculus bambla</i>	OTH	192	1	3	25.0
	<i>Cyphorhinus arada</i>	TIN	229	1	12	7.7
Poliioptilidae	<i>Microbates collaris</i>	OTH	491	5	27	15.6
	<i>Ramphocaenus melanurus</i>	OTH	12	0	1	0.0
Turdidae	<i>Turdus albicollis</i>	FRU	692	0	23	0.0
Thraupidae	<i>Tachyphonus cristatus</i>	FRU	18	0	1	0.0
	<i>Tachyphonus surinamus</i>	FRU	283	0	19	0.0
	<i>Lanio fulvus</i>	OFL	21	0	2	0.0
	<i>Ramphocelus carbo</i>	NFO	203	0	7	0.0

Incertae Sedis	<i>Coereba flaveola</i>	NFO	24	0	1	0.0
Emberizidae	<i>Volatinia jacarina</i>	NFO	5	0	2	0.0
	<i>Oryzoborus angolensis</i>	NFO	27	0	2	0.0
Cardinalidae	<i>Caryothraustes canadensis</i>	OTH	2	0	1	0.0
	<i>Cyanocompsa cyanoides</i>	FRU	127	1	4	20.0

Appendix 2. The average duration (number of days) to complete wing molt for each species, number of recaptured birds used to estimate duration (N birds), and number of replaced feathers used to estimate duration (N feathers) near Manaus, Brazil.

Family	Species	duration	N birds	N feathers
Thamnophilidae	<i>Thamnomanes ardesiacus</i>	221	45	160
	<i>Thamnomanes caesius</i>	224	17	73
	<i>Myrmotherula axillaris</i>	178	10	30
	<i>Myrmotherula longipennis</i>	194	15	44
	<i>Myrmotherula menetriesii</i>	155	4	8
	<i>Hypocnemis cantator</i>	170	7	16
	<i>Pernostola rufifrons</i>	236	38	154
	<i>Myrmeciza ferruginea</i>	217	4	13
	<i>Pithys albifrons</i>	301	218	659
	<i>Gymnopithys rufigula</i>	271	89	292
	<i>Willisornis poecilinotus</i>	205	127	471
Formicariidae	<i>Formicarius colma</i>	182	7	37
Furnariidae	<i>Sclerurus rufigularis</i>	129	14	62
	<i>Automolus infuscatus</i>	160	7	28
	<i>Certhiasomus stictolaemus</i>	146	16	79
	<i>Dendrocincla fuliginosa</i>	196	2	11
	<i>Dendrocincla merula</i>	189	25	88
	<i>Glyphorhynchus spirurus</i>	171	45	183
	<i>Xiphorhynchus pardalotus</i>	190	33	115
Tyrannidae	<i>Corythopis torquatus</i>	157	6	25
	<i>Myiobius barbatus</i>	147	12	41
Pipridae	<i>Lepidothrix serena</i>	124	7	36
	<i>Pipra pipra</i>	106	13	85
Vireonidae	<i>Hylophilus ochraceiceps</i>	168	6	23
Poliptilidae	<i>Microbates collaris</i>	149	13	61
Turdidae	<i>Turdus albicollis</i>	128	8	34
Thraupidae	<i>Tachyphonus surinamus</i>	98	1	4