

Table S1. List of louse specimens included in our phylogenetic analyses, with their voucher numbers, hosts, host families, OTU numbers, GenBank accession numbers, country of collection and host catalog id/voucher number. NA = missing molecular-genetic data, † = new louse-host association, * = now synonymized as *Myrsidea*.

No.	Louse Species	Voucher Number	Host Family	Host Species and Subspecies	OTU 12%	OTU bGMYC	COI GenBank A/N	COI ^I GenBank A/N	EF-1a GenBank A/N	Country	Host Catalog ID or Voucher #
1	<i>Myrsidea aleixoi</i>	Mysp.Ptbe.1.6.2003.8	Ramphastidae	<i>Pteroglossus beauharnaesii</i>	4	19	MZ573971	MZ573842	MZ892794	Brazil	PNSD 029
2	<i>Myrsidea aleixoi</i>	Mysp.Ptbe.5.8.2002.3	Ramphastidae	<i>Pteroglossus beauharnaesii</i>	4	19	MZ573972	MZ573843	MZ892795	Brazil	PNSD 029
3	<i>Myrsidea aleixoi</i>	Myal.7.13.2009.12	Ramphastidae	<i>Pteroglossus castanotis</i>	4	7	MZ573929	MZ573797	MZ892755	Brazil	JAP 855
4	<i>Myrsidea aleixoi</i>	Mysp.Ptca.1.6.2003.11	Ramphastidae	<i>Pteroglossus castanotis</i>	4	7	MZ573976	MZ573847	MZ892799	Bolivia	MHH31
5	<i>Myrsidea aleixoi</i>	Mysp.Ptca.8.24.2009.20	Ramphastidae	<i>Pteroglossus castanotis</i>	4	7	MZ573977	MZ573848	NA	Brazil	JAP 855
6	<i>Myrsidea andyolsoni</i>	Mysp.Heli.11.30.2010.8	Pipridae	<i>Heterocercus linteatus</i>	35	56	MZ573946	MZ573817	MZ892772	Brazil	MPEG 61911
7	<i>Myrsidea antiqua</i>	Myan.Tugr.9.26.2016.10	Turdidae	<i>Turdus grayi</i>	11	23	MZ574047	MZ573921	MZ892866	Nicaragua	NIC-085
8	<i>Myrsidea aynazae</i>	Mysp.Phfl.11.16.2010.6	Pycnonotidae	<i>Phyllastrephus flavostriatus vincenti</i>	49	70	MZ573958	MZ573829	MZ892783	Malawi	FMNH 447440
9	<i>Myrsidea balteri</i>	Myba.Qume.9.14.2016.11	Icteridae	<i>Quiscalus mexicanus</i>	81	24	MZ574043	MZ573915	MZ892860	Honduras	UT84
10	<i>Myrsidea barbati</i>	Mysp.Myba.11.30.2010.12	Tyrannidae	<i>Myiobius barbatus</i>	41	62	MZ573952	MZ573823	MZ892777	Brazil	MPEG 61892
11	<i>Myrsidea bonariensis</i>	Mysp.Tadow.4.26.2006.12	Thraupidae	<i>Tangara dowii</i>	57	90	FJ171290	NA	FJ171319	Panama	MBM JK06-268
12	<i>Myrsidea brasiliensis</i>	Mysp.Tach.11.16.2010.20	Thraupidae	<i>Tangara chilensis</i>	56	89	MZ574027	MZ573898	MZ892845	Brazil	MPEG 61967
13	<i>Myrsidea ceciliae</i>	Myce.7.13.2009.19	Ramphastidae	<i>Ramphastos sulfuratus sulfuratus</i>	1	4	MZ573931	MZ573799	MZ892757	Mexico	PI-5
14	<i>Myrsidea ceciliae</i>	Mysp.Rabr.8.24.2009.5	Ramphastidae	<i>Ramphastos sulfuratus brevicarinatus</i>	1	4	MZ573986	MZ573857	MZ892806	Panama	MJB355
15	<i>Myrsidea ceciliae</i>	Mysp.Rabr.8.24.2009.6	Ramphastidae	<i>Ramphastos sulfuratus brevicarinatus</i>	1	4	MZ573987	MZ573858	MZ892807	Panama	DGC76
16	<i>Myrsidea ceciliae</i>	Mysp.Rasu.8.24.2009.4	Ramphastidae	<i>Ramphastos sulfuratus brevicarinatus</i>	1	4	MZ574008	MZ573879	MZ892827	Panama	AA135
17	<i>Myrsidea ceciliae</i>	Mysp.Rasu.4.23.2002.2	Ramphastidae	<i>Ramphastos sulfuratus brevicarinatus</i>	1	4	MZ574007	MZ573878	MZ892826	Panama	DGC76
18	<i>Myrsidea ceciliae</i>	Mysp.Raar.1.4.2003.14	Ramphastidae	<i>Ramphastos vitellinus ariel</i>	1	1	MZ573984	MZ573855	NA	Brazil	JDW435
19	<i>Myrsidea ceciliae</i>	Mysp.Raar.1.6.2003.3	Ramphastidae	<i>Ramphastos vitellinus ariel</i>	1	1	MZ573985	MZ573856	NA	Brazil	AA620
20	<i>Myrsidea ceciliae</i>	Mysp.Ratu.4.23.2002.8	Ramphastidae	<i>Ramphastos vitellinus ariel</i>	1	1	MZ574015	MZ573886	NA	Brazil	AA620
21	<i>Myrsidea ceciliae</i>	Mysp.Ravi.1.6.2003.2	Ramphastidae	<i>Ramphastos vitellinus ariel</i>	1	1	MZ574021	MZ573892	MZ892839	Brazil	JDW455
22	<i>Myrsidea ceciliae</i>	Mysp.Ravi.4.24.2002.10	Ramphastidae	<i>Ramphastos vitellinus ariel</i>	1	1	MZ574022	MZ573893	MZ892840	Brazil	JDW455
23	<i>Myrsidea ceciliae</i>	Mysp.Ravi.4.24.2002.11	Ramphastidae	<i>Ramphastos vitellinus ariel</i>	1	1	MZ574023	MZ573894	MZ892841	Brazil	JDW435
24	<i>Myrsidea ceciliae</i>	Myce.7.13.2009.14	Ramphastidae	<i>Ramphastos vitellinus culminatus</i>	1	9	MZ573930	MZ573798	MZ892756	Brazil	JAP 554
25	<i>Myrsidea ceciliae</i>	Mysp.Racu.1.6.200	Ramphastidae	<i>Ramphastos vitellinus culminatus</i>	1	1	MZ573994	MZ573865	MZ892813	Brazil	AA714

3.4

26	<i>Myrsidea ceciliae</i>	Mysp.Racu.4.24.20 02.9	Ramphastidae	<i>Ramphastos vitellinus culminatus</i>	1	1	MZ573998	MZ573869	MZ892817	Brazil	AA714
27	<i>Myrsidea ceciliae</i>	Mysp.Racu.8.24.20 09.15	Ramphastidae	<i>Ramphastos vitellinus culminatus</i>	1	9	MZ574004	MZ573875	MZ892823	Brazil	JAP 554
28	<i>Myrsidea ceciliae</i>	Mysp.Racu.1.4.200 3.10	Ramphastidae	<i>Ramphastos vitellinus culminatus x ariel</i>	1	1	MZ573988	MZ573859	MZ892808	Brazil	JDW257
29	<i>Myrsidea ceciliae</i>	Mysp.Racu.4.23.20 02.1	Ramphastidae	<i>Ramphastos vitellinus culminatus x ariel</i>	1	1	MZ573995	MZ573866	MZ892814	Brazil	JDW257
30	<i>Myrsidea chesseri</i>	Mysp.Crbar.8.16.2 005.2	Pycnonotidae	<i>Criniger barbatus</i>	29	50	DQ366672	NA	FJ171308	Ghana	BDM794

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31	<i>Myrsidea cicchinoi</i>	Mysp.Rholi.4.24.2 006.3	Tyrannidae	<i>Rhynchocyclus olivaceus</i>	54	85	FJ171288	NA	FJ171317	Panama	GMS1809
32	<i>Myrsidea cinnamomei</i>	Mysp.Pahom.4.24. 2006.4	Tityridae	<i>Pachyramphus homochrous</i>	14	16	FJ171286	NA	FJ171314	Panama	GMS1814
33	<i>Myrsidea cinnamomei</i> †	Mysp.Pami.11.30. 2010.13	Tityridae	<i>Pachyramphus minor</i>	14	16	MZ573954	MZ573825	MZ892779	Brazil	MPEG 61961
34	<i>Myrsidea destructor</i>	Myde.Came.9.14.2 016.25	Turdidae	<i>Catharus mexicanus</i>	80	25	MZ574045	MZ573919	MZ892864	Nicaragua	NIC-013
35	<i>Myrsidea dorotheae</i> †	Mysp.Ptaz.8.24.20 09.16	Ramphastidae	<i>Pteroglossus azara flavirostris</i>	2	3	MZ573968	MZ573839	MZ892791	Brazil	JAP 474
36	<i>Myrsidea dorotheae</i> †	Mysp.Ptaz.8.24.20 09.19	Ramphastidae	<i>Pteroglossus azara azara</i>	2	3	MZ573970	MZ573841	MZ892793	Brazil	JAP 705
37	<i>Myrsidea dorotheae</i> †	Mysp.Ptaz.7.13.20 09.13	Ramphastidae	<i>Pteroglossus azara azara</i>	2	3	MZ573966	MZ573837	MZ892790	Brazil	JAP 705
38	<i>Myrsidea dorotheae</i> †	Mysp.Ptaz.8.24.20 09.17	Ramphastidae	<i>Pteroglossus azara flavirostris</i>	2	3	MZ573969	MZ573840	MZ892792	Brazil	JAP 523
39	<i>Myrsidea dorotheae</i> †	Mysp.Ptaz.7.13.20 09.15	Ramphastidae	<i>Pteroglossus azara flavirostris</i>	2	3	MZ573967	MZ573838	NA	Brazil	JAP 523
40	<i>Myrsidea dorotheae</i>	Mydo.1.6.2003.10	Ramphastidae	<i>Pteroglossus azara mariae</i>	2	3	MZ573932	MZ573800	MZ892758	Peru	MS3666
41	<i>Myrsidea dorotheae</i>	Mydo.5.8.2002.2	Ramphastidae	<i>Pteroglossus azara mariae</i>	2	3	MZ573933	MZ573801	MZ892759	Peru	MS3666
42	<i>Myrsidea dorotheae</i>	Mysp.Ptbe.8.24.20 09.1	Ramphastidae	<i>Pteroglossus beauharnaesii</i>	2	76	MZ573973	MZ573844	MZ892796	Brazil	MPEG 58013
43	<i>Myrsidea dorotheae</i> †	Mysp.Ptbi.7.13.20 09.17	Ramphastidae	<i>Pteroglossus bitorquatus</i>	20	78	MZ573975	MZ573846	MZ892798	Brazil	TM046
44	<i>Myrsidea dorotheae</i>	Mydo.7.13.2009.1 1	Ramphastidae	<i>Pteroglossus inscriptus humboldti</i>	2	3	MZ573934	MZ573802	NA	Brazil	JAP 575
45	<i>Myrsidea dorotheae</i>	Mysp.Pthu.5.7.200 2.9	Ramphastidae	<i>Pteroglossus inscriptus humboldti</i>	2	10	MZ573978	MZ573849	MZ892800	Brazil	AA680
46	<i>Myrsidea dorotheae</i>	Mysp.Ptin.1.6.200 3.9	Ramphastidae	<i>Pteroglossus inscriptus humboldti</i>	2	3	MZ573979	MZ573850	MZ892801	Peru	JWA80
47	<i>Myrsidea dorotheae</i>	Mysp.Ptin.8.24.20 09.18	Ramphastidae	<i>Pteroglossus inscriptus humboldti</i>	2	3	MZ573981	MZ573852	MZ892803	Brazil	JAP 575
48	<i>Myrsidea dorotheae</i> †	Mysp.Ptin.5.8.200 2.1	Ramphastidae	<i>Pteroglossus inscriptus inscriptus</i>	2	79	MZ573980	MZ573851	MZ892802	Brazil	JDW239
49	<i>Myrsidea dorotheae</i>	Mysp.Ptvi.7.13.20 09.18	Ramphastidae	<i>Pteroglossus viridis</i>	52	80	MZ573982	MZ573853	MZ892804	Suriname	BJO 999
50	<i>Myrsidea downsi</i>	Mysp.Psde.11.30.2 010.17	Icteridae	<i>Psarocolius decumanus</i>	6	18	MZ573963	MZ573834	MZ892787	Bolivia	MHH16

51	<i>Myrsidea downsi</i>	Mysp.Psde.8.24.2009.9	Icteridae	<i>Psarocolius decumanus</i>	6	18	MZ574006	MZ573877	MZ892825	Brazil	JDW215
52	<i>Myrsidea eisentrauti</i>	Myeis.2.3.1999.6	Ploceidae	<i>Sporopipes squamifrons</i>	76	26	AF545731	NA	AF320428	South Africa	JDW133
53	<i>Myrsidea eslamii</i>	Mysp.Zogu.11.16.2010.11	Turdidae	<i>Geokichla gurneyi disruptans</i>	61	96	MZ574032	MZ573903	MZ892849	Malawi	FMNH 447555
54	<i>Myrsidea extranea</i>	Mysp.Rasw.1.6.2003.6	Ramphastidae	<i>Ramphastos ambiguus swainsonii</i>	3	82	MZ574009	MZ573880	MZ892828	Panama	DLD5968
55	<i>Myrsidea extranea</i>	Mysp.Rasw.4.23.2002.3	Ramphastidae	<i>Ramphastos ambiguus swainsonii</i>	3	83	MZ574010	MZ573881	MZ892829	Panama	DLD5968
56	<i>Myrsidea extranea</i>	Mysp.Racu.1.4.2003.11	Ramphastidae	<i>Ramphastos tucanus cuvieri</i>	3	2	MZ573989	MZ573860	MZ892809	Brazil	DW244
57	<i>Myrsidea extranea</i>	Mysp.Racu.1.4.2003.13	Ramphastidae	<i>Ramphastos tucanus cuvieri</i>	3	2	MZ573991	MZ573862	MZ892810	Peru	TV233
58	<i>Myrsidea extranea</i>	Mysp.Racu.4.23.2002.6	Ramphastidae	<i>Ramphastos tucanus cuvieri</i>	3	2	MZ573996	MZ573867	MZ892815	Brazil	JDW231
59	<i>Myrsidea extranea</i>	Mysp.Racu.4.23.2002.7	Ramphastidae	<i>Ramphastos tucanus cuvieri</i>	3	2	MZ573997	MZ573868	MZ892816	Brazil	JDW476
60	<i>Myrsidea extranea</i>	Mysp.Racu.8.24.2009.11	Ramphastidae	<i>Ramphastos tucanus cuvieri</i>	3	2	MZ574001	MZ573872	MZ892820	Peru	KE112

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61	<i>Myrsidea extranea</i>	Mysp.Racu.8.24.2009.13	Ramphastidae	<i>Ramphastos tucanus cuvieri</i>	3	2	MZ574002	MZ573873	MZ892821	Brazil	JAP 094
62	<i>Myrsidea extranea</i>	Mysp.Racu.8.24.2009.14	Ramphastidae	<i>Ramphastos tucanus cuvieri</i>	3	2	MZ574003	MZ573874	MZ892822	Brazil	JAP 425
63	<i>Myrsidea extranea</i>	Mysp.Ratu.1.6.2003.1	Ramphastidae	<i>Ramphastos tucanus cuvieri</i>	3	2	MZ574013	MZ573884	MZ892832	Brazil	JDW476
64	<i>Myrsidea extranea</i>	Mysp.Ratu.7.13.2009.20	Ramphastidae	<i>Ramphastos tucanus tucanus</i>	3	2	MZ574016	MZ573887	MZ892834	Brazil	CN 146
65	<i>Myrsidea extranea</i>	Mysp.Ratu.7.13.2009.21	Ramphastidae	<i>Ramphastos tucanus tucanus</i>	3	2	MZ574017	MZ573888	MZ892835	Brazil	CN 146
66	<i>Myrsidea fusca</i>	Myfus.4.26.2006.10	Thraupidae	<i>Ramphocelus passerinii</i>	78	27	FJ171267	NA	FJ171293	Panama	JK06-223
67	<i>Myrsidea habiae</i>	Mysp.Haru.9.14.2016.24	Cardinalidae	<i>Habia rubica</i>	12	14	MZ574049	MZ573918	MZ892863	Paraguay	PG194
68	<i>Myrsidea habiae</i>	Mysp.Rame.9.14.2016.7	Cardinalidae	<i>Habia rubica</i>	12	14	KY113133	MZ573909	MZ892854	Paraguay	PG223
69	<i>Myrsidea incerta</i>	Mysp.Cafu.8.25.2009.18	Turdidae	<i>Catharus fuscescens</i>	17	11	MZ573942	MZ573813	MZ892769	USA: Illinois	FMNH S09-597
70	<i>Myrsidea incerta</i>	Myin.6.14.2006.5	Turdidae	<i>Catharus ustulatus</i>	17	11	FJ171268	MZ573803	FJ171294	USA: Illinois	FMNH S06-473
71	<i>Myrsidea klickai</i>	Mysp.Thpun.4.24.2006.2	Thamnophilidae	<i>Thamnophilus punctatus</i>	59	93	EU650229	NA	FJ171320	Panama	GMS1768
72	<i>Myrsidea laciniaesternata</i>	Mylac.4.19.1999.2	Cardinalidae	<i>Habia sp.</i>	77	28	AF545732	NA	AF545793	Mexico	PA-13
73	<i>Myrsidea laciniata</i>	Mysp.Caur.11.30.2010.15	Icteridae	<i>Cacicus uropygialis</i>	27	48	MZ573944	MZ573815	NA	Peru	CCW501
74	<i>Myrsidea lanei</i>	Mysp.Ptar.1.6.2003.5	Ramphastidae	<i>Pteroglossus aracari aracari</i>	9	12	MZ573964	MZ573835	MZ892788	Brazil	MO-004
75	<i>Myrsidea lanei</i>	Mysp.Ptar.5.8.2002.5	Ramphastidae	<i>Pteroglossus aracari aracari</i>	9	75	MZ573965	MZ573836	MZ892789	Brazil	MO-004
76	<i>Myrsidea lanei</i>	Myla.7.13.2009.16	Ramphastidae	<i>Pteroglossus aracari aracari</i>	9	12	MZ573935	MZ573804	MZ892760	Brazil	MO-004

77	<i>Myrsidea ledgeri</i>	Amsp.Phsoc.5.4.19 99.6	Ploceidae	<i>Philetairus socius</i>	42	22	AF545733	NA	AF320429	South Africa	RGM77
78	<i>Myrsidea lightae</i>	Myli.Saat.9.26.201 6.9	Thraupidae	<i>Saltator atriceps</i>	76	29	MZ574042	MZ573914	MZ892859	Nicaragua	NIC-093
79	<i>Myrsidea lightae</i>	Myse.Thep.9.14.20 16.22	Thraupidae	<i>Saltator coerulescens</i>	70	35	KY113135	MZ573916	MZ892861	Paraguay	PG361
80	<i>Myrsidea markhaffneri</i>	Mysp.Pigr.11.16.2 010.18	Thraupidae	<i>Saltator grossus</i>	50	71	MZ573959	MZ573830	MZ892784	Brazil	MPEG 61939
81	<i>Myrsidea marksii</i>	Mysp.Phalb.8.16.2 005.1	Pycnonotidae	<i>Phyllastrephus albicularis</i>	46	67	DQ366669	NA	FJ171315	Ghana	BDM822
82	<i>Myrsidea masoni</i>	Mysp.Blcan.7.25.2 005.7	Pycnonotidae	<i>Bleda canicapillus</i>	25	46	FJ171279	NA	FJ171306	Ghana	MJM045
83	<i>Myrsidea mCCRACKENI</i>	Mysp.Oxmad.8.16. 2005.9	Bernieridae	<i>Oxylabes madagascariensis</i>	44	65	DQ860183	NA	FJ171313	Madagascar	SMG12229
84	<i>Myrsidea melanocyanei</i>	Myme.Cyme.9.26. 2016.3	Corvidae	<i>Cyanocorax melanocyaneus</i>	75	30	MZ574039	MZ573911	MZ892856	Nicaragua	NIC-075
85	<i>Myrsidea minuscula</i>	Mymin.7.25.2005. 9	Philepittidae	<i>Philepitta castanea</i>	74	31	FJ171271	NA	FJ171297	Madagascar	SMG12150
86	<i>Myrsidea mirabilis</i>	Mysp.Psbi.11.30.2 010.7	Icteridae	<i>Psarocolius bifasciatus</i>	6	74	MZ573962	MZ573833	MZ892786	Brazil	MPEG 61970
87	<i>Myrsidea moriona</i>	Mysp.Cymar.2.8.1 999.2	Corvidae	<i>Psilorhinus morio</i>	30	51	FJ171281	NA	AF320431	Mexico	PA-25
88	<i>Myrsidea oleaginei</i>	Myol.Miolo.9.14.2 016.2	Tyrannidae	<i>Mionectes oleagineus</i>	73	32	MZ574046	MZ573920	MZ892865	Honduras	LA173
89	<i>Myrsidea olivacei</i>	Myoli.4.24.2006.6	Tyrannidae	<i>Mionectes olivaceus</i>	72	33	FJ171272	NA	FJ171298	Panama	JMD606
90	<i>Myrsidea pagei</i>	Mysp.Radim.4.24. 2006.8	Thraupidae	<i>Ramphocelus dimidiatus</i>	53	81	FJ171287	NA	FJ171316	Panama	JK06-025

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91	<i>Myrsidea palmeri</i>	Mysp.Ancur.8.16.2 005.5	Pycnonotidae	<i>Eurillas curvirostris</i>	66	39	DQ366673	NA	FJ171304	Ghana	BDM847
92	<i>Myrsidea peruviana</i>	Mysp.Racu.1.4.20 03.2	Ramphastidae	<i>Ramphastos tucanus cuvieri</i>	5	5	MZ573992	MZ573863	MZ892811	Peru	KE112
93	<i>Myrsidea peruviana</i>	Mysp.Racu.1.4.20 03.4	Ramphastidae	<i>Ramphastos tucanus cuvieri</i>	5	5	MZ573993	MZ573864	MZ892812	Peru	KE184
94	<i>Myrsidea peruviana</i>	Mysp.Racu.8.24.2 009.10	Ramphastidae	<i>Ramphastos tucanus cuvieri</i>	5	5	MZ574000	MZ573871	MZ892819	Peru	KE112
95	<i>Myrsidea peruviana</i>	Mysp.Ratu.8.24.20 09.2	Ramphastidae	<i>Ramphastos tucanus tucanus x cuvieri</i>	5	5	MZ574018	MZ573889	MZ892836	Brazil	PPBIO 075
96	<i>Myrsidea peruviana</i>	Mysp.Ratu.8.24.20 09.3	Ramphastidae	<i>Ramphastos tucanus tucanus x cuvieri</i>	5	5	MZ574019	MZ573890	MZ892837	Brazil	PPBIO 075
97	<i>Myrsidea pitangi</i>	Mysp.Pisu.9.14.20 16.5	Tyrannidae	<i>Pitangus sulphuratus</i>	13	17	MZ574037	MZ573908	MZ892853	Honduras	LA65
98	<i>Myrsidea pitangi</i>	Mysp.Pisu.9.14.20 16.6	Tyrannidae	<i>Pitangus sulphuratus</i>	13	17	MZ574048	MZ573922	MZ892867	Paraguay	PG365
99	<i>Myrsidea pricei</i>	Mypr.6.14.2006.1	Turdidae	<i>Catharus guttatus</i>	71	34	FJ171277	MZ573805	MZ892761	USA: Illinois	FMNH S06-117
100	<i>Myrsidea quadrifasciata</i> †	Mysp.Icga.8.25.20 09.20	Icteridae	<i>Icterus galbula</i>	38	59	MZ573949	MZ573821	MZ892775	USA: Illinois	FMNH S09-715
101	<i>Myrsidea rozsai</i>	Mysp.Eulan.5.1.20 06.1	Fringillidae	<i>Euphonia laniirostris</i>	32	53	FJ171282	NA	FJ171309	Panama	JMD595
102	<i>Myrsidea seminuda</i>	Myse.Thep.9.14.20 16.23	Thraupidae	<i>Thraupis episcopus</i>	15	13	MZ574044	MZ573917	MZ892862	Peru	HU78

103	<i>Myrsidea seminuda</i>	Mysem.5.1.2006.15	Thraupidae	<i>Thraupis palmarum</i>	15	13	FJ171275	NA	MZ892762	Panama	JK06-079
104	<i>Myrsidea shirakii</i>	Mysh.6.14.2006.14	Corvidae	<i>Corvus macrorhynchos</i>	69	36	MZ573936	MZ573806	NA	Japan	NHVKY-005
105	<i>Myrsidea simplex</i>	Mysi.6.14.2006.3	Turdidae	<i>Catharus fuscater</i>	68	37	FJ171276	MZ573807	MZ892763	Panama	MBM JK06-062
106	<i>Myrsidea</i> sp.†	Mysp.Anmi.11.16.2010.3	Pycnonotidae	<i>Arizelocichla milanjensis olivaceiceps</i>	65	40	MZ573938	MZ573809	MZ892765	Malawi	FMNH 452581
107	<i>Myrsidea</i> sp.	Mysp.Atbr.9.26.2016.1	Passerellidae	<i>Arremon brunneinucha</i>	23	44	MZ574038	MZ573910	MZ892855	Nicaragua	NIC-028
108	<i>Myrsidea</i> sp.†	Mysp.Aupa.11.16.2010.15	Furnariidae	<i>Automolus paraensis</i>	24	45	MZ573941	MZ573812	MZ892768	Brazil	MPEG 61658
109	<i>Myrsidea</i> sp.	Mysp.Caha.11.30.2010.14	Icteridae	<i>Cacicus haemorrhous</i>	26	47	MZ573943	MZ573814	MZ892770	Brazil	AA518
110	<i>Myrsidea</i> sp.†	Mysp.Alfu.11.16.2010.9	Muscicapidae	<i>Chamaetylas fuelleborni</i>	67	38	MZ573937	MZ573808	MZ892764	Malawi	FMNH 452725
111	<i>Myrsidea</i> sp.†	Mysp.Degr.11.16.2010.14	Picidae	<i>Chloropicus griseocephalus ruwenzori</i>	31	52	MZ573945	MZ573816	MZ892771	Malawi	FMNH 452539
112	<i>Myrsidea</i> sp.	Mysp.Chehr.5.1.2006.2	Thraupidae	<i>Chrysothlypis chrysomelas</i>	28	49	FJ171280	NA	FJ171307	Panama	JMD643
113	<i>Myrsidea</i> sp.†	Mysp.Pipi.11.30.2010.9	Pipridae	<i>Dixiphia pipra</i>	51	72	MZ573960	MZ573831	NA	Brazil	MPEG 61916
114	<i>Myrsidea</i> sp.†	Mysp.Anvi.11.16.2010.4	Pycnonotidae	<i>Eurillas virens</i>	21	42	MZ573939	MZ573810	MZ892766	Malawi	MLW-167-NK
115	<i>Myrsidea</i> sp.	Mysp.Zogu.11.16.2010.12	Turdidae	<i>Geokichla gurneyi otomitra</i>	62	97	MZ574033	MZ573904	MZ892850	Malawi	FMNH 452757
116	<i>Myrsidea</i> sp.	Mysp.Gyca.6.14.2006.13	Lybiidae	<i>Gymnobucco calvus</i>	33	54	FJ171283	NA	FJ171310	Ghana	JDW402
117	<i>Myrsidea</i> sp.	Mysp.Haru.9.26.2016.6	Cardinalidae	<i>Habia rubica</i>	34	55	MZ574040	MZ573912	MZ892857	Nicaragua	NIC-068
118	<i>Myrsidea</i> sp.	Mysp.Hymu.6.14.2006.4	Turdidae	<i>Hylocichla mustelina</i>	36	57	FJ171284	MZ573818	FJ171311	USA: Illinois	FMNH S06-225
119	<i>Myrsidea</i> sp.†	Mysp.Hyni.11.16.2010.2	Estrildidae	<i>Hypargos niveoguttatus macrospilotus</i>	37	58	MZ573947	MZ573819	MZ892773	Malawi	FMNH 453057
120	<i>Myrsidea</i> sp.†	Mysp.Mima.11.30.2010.11	Tyrannidae	<i>Mionectes macconnelli</i>	40	61	MZ573951	MZ573822	NA	Brazil	MPEG 61882

No.	Louse Species	Voucher Number	Host Family	Host Species and Subspecies	OTU 12%	OTU bGMYC	COI GenBank A/N	COI ^I GenBank A/N	EF-1a GenBank A/N	Country	Host Catalog ID or Voucher #
121	<i>Myrsidea</i> sp.†	Mysp.Myun.9.26.2016.8	Turdidae	<i>Myadestes unicolor</i>	83	63	MZ574041	MZ573913	MZ892858	Nicaragua	NIC-079
122	<i>Myrsidea</i> sp.†	Mysp.Onmo.11.16.2010.8	Sturnidae	<i>Onychognathus morio morio</i>	43	64	MZ573953	MZ573824	MZ892778	Malawi	FMNH 452989
123	<i>Myrsidea</i> sp.†	Mysp.Peer.11.16.2010.17	Cardinalidae	<i>Periporphyrus erythromelas</i>	45	66	MZ573955	MZ573826	MZ892780	Brazil	MPEG 61964
124	<i>Myrsidea</i> sp.†	Mysp.Pher.11.30.2010.3	Furnariidae	<i>Philydor erythrocercum</i>	47	68	MZ573956	MZ573827	MZ892781	Brazil	MPEG 61767
125	<i>Myrsidea</i> sp.†	Mysp.Phfi.11.16.2010.5	Pycnonotidae	<i>Phyllastrephus cabanisi placidus</i>	48	69	MZ573957	MZ573828	MZ892782	Malawi	FMNH 452616
126	<i>Myrsidea</i> sp.†	Mysp.Ptbi.5.8.2002.4	Ramphastidae	<i>Pteroglossus bitorquatus</i>	20	77	MZ573974	MZ573845	MZ892797	Brazil	JDW185
127	<i>Myrsidea</i> sp.†	Mysp.Pyle.11.30.2010.1	Thamnophilidae	<i>Pyriglena leuconota</i>	10	15	MZ573983	MZ573854	MZ892805	Brazil	MPEG 61854
128	<i>Myrsidea</i> sp.†	Mysp.Scca.11.30.2010.4	Furnariidae	<i>Sclerurus caudacutus</i>	18	21	MZ574024	NA	MZ892842	Brazil	MPEG 61785

129	<i>Myrsidea</i> sp.	Mysp.Seau.6.14.2006.10	Parulidae	<i>Seiurus aurocapilla</i>	19	86	FJ171289	MZ573895	FJ171318	USA: Illinois	FMNH S05-238
130	<i>Myrsidea</i> sp.	Mysp.Seru.8.25.2009.19	Parulidae	<i>Setophaga ruticilla</i>	19	87	MZ574025	MZ573896	MZ892843	USA: Illinois	FMNH S09-701
131	<i>Myrsidea</i> sp.†	Mysp.Syru.11.30.2010.5	Furnariidae	<i>Synallaxis rutilans</i>	55	88	MZ574026	MZ573897	MZ892844	Brazil	MPEG 61907
132	<i>Myrsidea</i> sp.†	Mysp.Thca.11.30.2010.2	Thamnophilidae	<i>Thamnomanes caesius</i>	10	92	MZ574029	MZ573900	MZ892847	Brazil	MPEG 61841
133	<i>Myrsidea</i> sp.†	Mysp.Lyle.8.25.2009.21	Lybiidae	<i>Tricholaema leucomelas</i>	39	60	MZ573950	NA	MZ892776	South Africa	BCA-631
134	<i>Myrsidea</i> sp.	Mysp.Tual.11.30.2010.10	Turdidae	<i>Turdus albicollis</i>	60	94	MZ574030	MZ573901	MZ892848	Brazil	MPEG 61953
135	<i>Myrsidea</i> sp.	Mysp.Tugra.5.1.2006.14	Turdidae	<i>Turdus grayi</i>	11	95	FJ171291	NA	FJ171321	Panama	JMD735
136	<i>Myrsidea</i> sp.†	Mysp.Hypo.11.16.2010.21	Thamnophilidae	<i>Willisornis poecilinotus</i>	10	15	MZ573948	MZ573820	MZ892774	Brazil	MPEG 61826
137	<i>Myrsidea</i> sp.†	Mysp.Xemi.11.30.2010.6	Furnariidae	<i>Xenops minutus</i>	18	21	MZ574031	MZ573902	NA	Brazil	MPEG 61775
138	<i>Myrsidea</i> surinami	Mysp.Tasu.11.16.2010.19	Thraupidae	<i>Tachyphonus surinamus</i>	58	91	MZ574028	MZ573899	MZ892846	Brazil	MPEG 61963
139	<i>Myrsidea</i> taciturni	Mysp.Arta.11.16.2010.16	Passerellidae	<i>Arremon taciturnus</i>	22	43	MZ573940	MZ573811	MZ892767	Brazil	MPEG 61940
140	<i>Myrsidea</i> tropicalis	Mysp.Psan.11.30.2010.16	Icteridae	<i>Psarocolius angustifrons</i>	6	73	MZ573961	MZ573832	MZ892785	Peru	CJS037
141	<i>Myrsidea</i> waterstoni	Mysp.Anvar.5.1.2006.4	Furnariidae	<i>Anabacerthia variegaticeps</i>	64	41	FJ171278	NA	FJ171305	Panama	JMD780
142	<i>Myrsidea</i> willardi	Mywil.7.25.2005.10	Philepittidae	<i>Philepitta schlegeli</i>	63	98	FJ171292	NA	FJ171322	Madagascar	DW5339
143	<i>Myrsidea</i> witti	Mysp.Rato.1.6.2003.7	Ramphastidae	<i>Ramphastos toco</i>	16	20	MZ574011	MZ573882	MZ892830	Bolivia	CCW946
144	<i>Myrsidea</i> witti	Mysp.Rato.4.23.2002.4	Ramphastidae	<i>Ramphastos toco</i>	16	20	MZ574012	MZ573883	MZ892831	Bolivia	CCW981
145	<i>Ramphasticola aenigma</i> *	Rasp.Racu.8.25.2009.1	Ramphastidae	<i>Ramphastos tucanus tucanus</i>	8	6	MZ574034	MZ573905	MZ892851	Brazil	PPBIO264
146	<i>Ramphasticola aenigma</i> *	Mysp.Ratu.4.23.2002.5	Ramphastidae	<i>Ramphastos tucanus tucanus</i>	8	6	MZ574014	MZ573885	MZ892833	Brazil	JDW284
147	<i>Ramphasticola aenigma</i> *	Rasp.Ratu.8.24.2009.21	Ramphastidae	<i>Ramphastos tucanus tucanus</i>	8	6	MZ574036	MZ573907	NA	Brazil	JDW284
148	<i>Ramphasticola hirsuta</i> *	Mysp.Racu.1.4.2003.12	Ramphastidae	<i>Ramphastos tucanus cuvieri</i>	7	8	MZ573990	MZ573861	NA	Brazil	JDW458
149	<i>Ramphasticola hirsuta</i> *	Mysp.Racu.5.7.2002.7	Ramphastidae	<i>Ramphastos tucanus cuvieri</i>	7	9	MZ573999	MZ573870	MZ892818	Peru	DFL1252
150	<i>Ramphasticola hirsuta</i> *	Mysp.Racu.8.24.2009.7	Ramphastidae	<i>Ramphastos tucanus cuvieri</i>	7	10	MZ574005	MZ573876	MZ892824	Brazil	JDW458

No.	Louse Species	Voucher Number	Host Family	Host Species and Subspecies	OTU 12%	OTU bGMYC	COI GenBank A/N	COI ^I GenBank A/N	EF-1a GenBank A/N	Country	Host Catalog ID or Voucher #
151	<i>Ramphasticola hirsuta</i> *	Mysp.Ratu.8.25.2009.4	Ramphastidae	<i>Ramphastos tucanus tucanus</i>	7	84	MZ574020	MZ573891	MZ892838	Brazil	CN 146
152	<i>Ramphasticola mirabile</i> *	Rasp.Racu.8.25.2009.2	Ramphastidae	<i>Ramphastos tucanus cuvieri</i>	8	6	MZ574035	MZ573906	MZ892852	Brazil	JAP 427

Outgroup

153	Dennyus sp.	Desp.Chpe.11.30.2010.18	Apodidae	<i>Chaetura pelagica</i>			MZ573928	MZ573796	MZ892754	USA: Illinois	FMNH 06-346
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