Supplementary Table 1. Elevational distribution and nest measurements for the 52 species of Pipridae. "X"s indicate no available data. "NA"s indicate that the data are available but sources were inaccessible to us. "*" - highland species.

Species	Minimum elevation (m)	Maximum elevation (m)	Nest depth (mm)	Nest diameter (mm)	Cup depth (mm)	Cup diameter (mm)	Ground height (cm)	References
Antilophia bokermanni	500	1000	55.9 ± 1.38	72.6 ± 1.10	27.2 ± 0.73	X	189 - 500	Kirwan & Green 2011, Gaiotti et al. 2019
Antilophia galeata	500	1100	27.7 - 55.0	53.4 - 75.2	19.7 - 35.3	44.1 - 57.9	50 - 1000	Kirwan & Green 2011, Marçal & Lopes 2019
Ceratopipra erythrocephala	0	2000	45.0	70.0	25.0	50.0	100 - 1000	Belcher & Smooker 1987, Kirwan & Green 2011. Snow 1962b, Hilty & Brown 1986, Tostain 1988a and Valsko & Anciães 2008 in Kirwan & Green 2011
Ceratopipra chloromeros	0	1400	X	X	X	X	400 - 500	Kirwan & Green 2011
Ceratopipra cornuta	500	1800	X	X	X	X	X	Kirwan & Green 2011
Ceratopipra mentalis	0	750	16.0	44.5	16.0	39.1	150 - 1050	Skutch 1949, Kirwan & Green 2011. Skutch 1969 and Wetmore 1972 in Kirwan & Green 2011
Ceratopipra rubrocapilla	0	500	X	X	X	X	200 - 500	Kirwan & Green 2011
****Chiroxiphia bolivia***	650	2200	28.0	58.7	22.5	46.1	90	Kirwan & Green 2011, Hazlehurst & Londoño 2012
****Chiroxiphia caudata***	15	3200	38.1 - 69.9	69.2 - 90.5	26.6 - 51.5	59.4 - 72.1	114 - 298	Kirwan & Green 2011, Zima et al. 2017
Chiroxiphia lanceolata	0	1700	X	63.5 - 76.2	25.4	25.4	100	Kirwan & Green 2011, Allen 1905
Chiroxiphia linearis	0	1500	35.0 - 45.0	58.0 - 88.0	15.0 - 30.0	43.0 - 60.0	60 - 170	Foster 1976, Binford 1989, Kirwan & Green 2011
Chiroxiphia pareola	0	750	X	X	X	X	100 - 200	Snow 2004, Kirwan & Green 2011
****Chloropipo flavicapilla***	1200	2400	X	X	X	X	X	Kirwan & Green 2011

**Chloropipo unicolor*	790	2225	X	X	X	X	X	Kirwan & Green 2011
Corapipo gutturalis	200	1100	NA	NA	NA	NA	830	Kirwan & Green 2011. Tostain 1988b in Kirwan & Green 2011
Corapipo leucorrhoa	200	1500	31.75	63.5	12.7	X	650	Skutch 1967, Kirwan & Green 2011
Cryptopipo holochlora	0	1500	30.0	100	20	55	160 - 200	Christian 2001, Kirwan & Green 2011
Cryptopipo litae	900	1425	X	X	X	X	X	Formerly a subspecies of *C. holochlora* Christian 2001, Kirwan & Green 2011
**Dixiphia pipra*	800	1600	X	45.0 - 64.0	5.0 - 26.0	44.0 - 49.0	100 - 980	Hidalgo et al. 2008, Kirwan & Green 2011
Heterocercus aurantiivertex	0	300	X	45.0 - 55.0	15.0 - 20.0	X	400	Alvarez Alonso 2001, Kirwan & Green 2011
Heterocercus flavivertex	0	300	22.6	57.3	15.0	X	200	Prum et al. 1996, Kirwan & Green 2011
Heterocercus linteatus	0	500	X	X	X	X	X	Kirwan & Green 2011
Ilicura militaris	0	1200	X	X	X	X	400	Snow 2004, Kirwan & Green 2011
**Lepidothrix coeruleocapilla*	500	2100	X	X	X	X	200	Kirwan & Green 2011
Lepidothrix coronata	0	1400	X	31.0 - 49.0	14.0 - 38.0	43.0 - 65.0	30 - 200	Skutch 1969, Hidalgo et al. 2008, Kirwan & Green 2011, Cadena-Ortiz & Buitrón-Jurado 2014
Lepidothrix iris	0	200	X	X	X	X	X	Kirwan & Green 2011
Lepidothrix isidorei	500	1700	X	X	X	X	X	Kirwan & Green 2011
Lepidothrix nattereri	0	500	NA	NA	NA	NA	50 - 65	Kirwan & Green 2011. Whittaker et al. 2010 in Kirwan & Green 2011
Lepidothrix serena	0	500	37.0	NA	NA	NA	100 - 200	Kirwan & Green 2011. Tostain 1988c in Kirwan & Green 2011
Lepidothrix suavissima	250	1800	X	X	X	X	X	Kirwan & Green 2011
Lepidothrix vilasboasi	0	200	X	50.0	15.0	X	100 - 160	Sick 1959, Kirwan & Green 2011

Machaeropterus deliciosus	100	1900	X	49.8	36.6	X	51 - 120	Ramírez González & Arias García 1995, Kirwan & Green 2011
Machaeropterus pyrocephalus	100	1200	X	X	X	X	100	Kirwan & Green 2011
Machaeropterus regulus	300	1500	X	X	X	X	X	X
Machaeropterus striolatus	100	1500	0.5 ± 0.1	56.3 ± 7.8	32.7 ± 3.5	45.1 ± 3.7	40 - 60	Formerly a subspecies of *M. regulus* Durães et al. 2008 described the eggs and nest for *M. regulus striolatus*
Manacus aurantiacus	0	1100	50.8	76.2	38.1	57.15	60 - 250 up to 550	Skutch 1969, Kirwan & Green 2011
Manacus candei	0	700	X	X	X	X	100 - 300	Snow 2004, Kirwan & Green 2011
Manacus manacus	0	1300	X	76.2	25.4	50.8	40 - 200	Oniki & Willis 1983, Kirwan & Green 2011. Pinto 1953, Castelino & Saibene 1989 and Castro Astro et al. 1997 in Kirwan & Green 2011
Manacus vitellinus	0	1200	X	X	X	X	60 - 150	Kirwan & Green 2011
****Masius chrysopterus***	1000	2300	26.4 ± 13.5	62.1 ± 7.8	18.4 ± 3.3	55.0 ± 4.0	217 ± 49	**This study**
Neopelma aurifrons	0	1000	X	X	X	X	X	Kirwan & Green 2011
****Neopelma chrysocephalum***	0	700	X	X	X	X	X	Kirwan & Green 2011
Neopelma chrysolophum	1150	1750	X	50.0	X	X	100	Kirwan 2016
Neopelma pallescens	0	700	20.4 ± 4.1	57.2 ± 5.1	12.4 ± 2.4	51.5 ± 4.8	275 ± 186	Ferreira & Lopes 2018
Neopelma sulphureiventer	300	1000	X	X	X	X	1000 – 1100	Kirwan & Green 2011
Pipra aureola	0	1200	NA	NA	NA	NA	170	Kirwan & Green 2011**.** Beebe et al. 1917 and Tostain 1988c in Kirwan & Green 2011
Pipra fasciicauda	0	600	NA	NA	NA	NA	120 - 300	Snow 2004, Kirwan & Green 2011**.** Oniki & Willis 1983 in Kirwan & Green 2011

Pipra filicauda	0	1000	X	46.0 ± 5.0	19.0 ± 5.0	57.0 ± 6.0	90 - 840	Hidalgo et al. 2008, Kirwan & Green 2011
Tyranneutes stolzmanni	0	1000	30.0	35.0	X	X	150	Greeney et al. 2004, Kirwan & Green 2011
Tyranneutes virescens	0	500	X	X	X	X	200	Beebe & Beebe 1910, Kirwan & Green 2011
Xenopipo atronitens	0	1200	X	X	X	X	X	Kirwan & Green 2011
***Xenopipo uniformis**	800	2100	X	X	X	X	X	Kirwan & Green 2011
NUMBER OF SPECIES	**52**	**52**	**20**	**29**	**27**	**21**	**39**	
PERCENTAGE OF SPECIES	**100**	**100**	**38.5**	**55.8**	**51.9**	**40.4**	**75.0**	

Supplementary Table 2. Nest location, materials, and egg coloration for 45 species of Pipridae. "X"s indicate no available data. "*" - highland species.

Species	Nest location	Nest materials	Spiderweb present	Egg coloration	References
Antilophia bokermanni	Slung between a horizontal fork of trees or shrubs.	Fine twigs, rootlets, and leaves, with hanging leaves on outside	No	Whitish or beige with reddish-brown or dark brown blotches and more linear markings concentrated at the larger end forming a ring.	Linhares et al. 2010, Kirwan & Green 2011, Gaiotti et al. 2019
Antilophia galeata	Located in a horizontal fork of trees or shrubs.	Rootlets and twigs, and lined with fungal hyphae, with leaves on the outside.	No	Beige or yellowish white with dark stripes and spots concentrated at the larger end.	Ihering 1900, Ihering 1902, Marini 1992, Kirwan & Green 2011, Marçal & Lopes 2019
Ceratopipra erythrocephala	Placed in a horizontal fork in lower branches of trees or shrubs.	Brownish fibers and rootlets with dead leaves in the bottom of the cup or hanging from below the nest.	No	Pale greenish yellow with dense spots and longitudinal streaks of umber brown that form a wreath at the larger end.	Snow 1962b, Hilty & Brown 1986, Tostain 1988a, Valsko & Anciães 2008, Kirwan & Green 2011
Ceratopipra chloromeros	Sited in a horizontal fork.	Dead leaves and fungal rhizomorphs.	No	X	Kirwan & Green 2011
Ceratopipra mentalis	Suspended in a horizontal fork.	Pale brown vegetable fibers with fragments of dead leaves.	Yes	Greyish buff in their ground color but heavily mottled brown, forming a wreath at the larger end.	Skutch 1949, Skutch 1969, Kirwan & Green 2011
Ceratopipra rubrocapilla	Placed in a y-horizontal fork.	Dead leaves with small pieces of bark, fungal rhizomorphs, and rootlets.	Yes	Pale brownish or yellowish white with vinous-brown or brownish markings heavier in the broad end.	Velho 1932, Pinto 1953
****Chiroxiphia boliviana***	Woven between the stems and leaves with bamboo leaves.	Dried grass, the outer layer of the cup of dried bamboo leaves and small stems, and the inner cup of fine dried grass fibers interspersed with beige rootlets.	Yes	Cream-white, with red-brown streaks and splotches increasing in density at the larger end.	Hazlehurst & Londoño 2012
****Chiroxiphia caudata***	Suspended from low fork of small tree or shrub.	Dry plant fibers, fungal rhizomorphs, sometimes including moss, with dry leaves attached to outside and hanging below.	Yes	Off-white to yellowish white in color with brown or reddish-brown lines and spots concentrated at the larger end.	de la Peña 1989, Zima et al. 2017
Chiroxiphia lanceolata	Slung between a horizontal fork.	Dried grasses, twigs and leaf fibers, and slender petioles, with dead leaves hung below.	Yes	Creamy white to brownish with reddish or chocolate-brown and lilac spotting generally concentrated at the larger end.	Allen 1905, Hallinan 1924

Chiroxiphia linearis	Placed in a horizontal fork of shrubs or near the end of small tree branches.	Leaves and sometimes grass blades, bark strips, moss, or fern fragments, lined with fungal hyphae and leaf midribs, dead leaves hanging below.	Yes	Buffy with chocolate-brown spots, always heaviest at the larger end and sometimes solely concentrated there.	Foster 1976, Stiles & Skutch 1989
Chiroxiphia pareola	Sited in a y-lateral-fork.	Rootlets with base of dead leaves, and fibers hanging below.	No	Pale yellowish-brown with blackish streak flecks or dirty white markings.	Velho 1932, Snethlage 1935, Pinto 1953
****Chloropipo flavicapilla***	Placed low down in fork.	Strips of dry grass bound with spiderwebs and lined with dry sticks.	Yes	Heavily marked cream-colored.	Kirwan & Green 2011
Corapipo gutturalis	Placed in a horizontal fork of small trees.	Moss on outside, lined with thin layer of black fungal rhizomorphs.	Yes	X	Tostain 1988b, Kirwan & Green 2011
Corapipo leucorrhoa	Placed in a fork of a slender branch.	Brown filaments and blackish fungal rhizomorphs, with leaf skeletons attached to the outside base.	No	Dull white heavily marked with brown over the entire egg, but heaviest at the largest end.	Skutch 1967, Kirwan & Green 2011
Cryptopipo holochlora	Suspended in a y-fork.	Rootlets and moss with a long "tail" of moss, rootlets, and dead leaves.	Yes	Dull olive and speckled brown especially at the larger end.	Christian 2001, Kirwan & Green 2011
Cryptopipo litae	Suspended in a fork of slender branches.	Rootlets, with a tail of moss and dead leaves hanging from bottom.	Yes	X	Christian 2001, Snow 2004
****Dixiphia pipra***	Placed in a horizontal fork.	Fibers and fungal hyphae, covered on outside with dead leaves.	Yes	Dirty white covered by vinous-brown markings.	Hidalgo et al. 2008, Kirwan & Green 2011
Heterocercus aurantiivertex	Attached to a supporting branch within fork of thin horizontal branch.	A shallow cup of vegetable fibers, so thinly woven that the eggs are visible from below.	Yes	Greenish white with a broad ring of reddish-brown speckling at the larger end.	Alvarez Alonso 2001
Heterocercus flavivertex	Hanging in a descending fork of a tree branch.	Rootlets with small twigs, and a large number of wiry, round grass-like fibers.	Yes	X	Prum et al. 1996
Ilicura militaris	X	Shallow basket	X	X	Snow 2004
****Lepidothrix coeruleocapilla***	Sited in a tree fork.	Rootlets with live vegetation and some dead leaves hanging.	No	X	Kirwan & Green 2011, Kirwan et al. 2011
Lepidothrix coronata	Placed in a fork of a slender horizontal branch.	Fine fibers, bottom more or less covered with dry fragments of leaf and green moss, often some hanging below.		Pale grey with pale brown to rufous markings at the larger end.	Skutch 1969, Hidalgo et al. 2008
Lepidothrix nattereri	Slung between two branches off the trunk.	Constructed with some larger palm leaves with thin pale strips of	Yes	Pinkish with irregular brown blotching more concentrated at the larger end, forming a ring.	Kirwan & Green 2011**.** Whittaker et al. 2010

		bark, the cup has a tale of dead leaves.			in Kirwan & Green 2011
Lepidothrix serena	Placed in a horizontal fork of a shrub or small understory tree.	Whitish woody or herbaceous fibers, exterior covered with long moss filaments, some hanging below.	No	Pale rose-colored eggs with brown markings.	Kirwan & Green 2011. Tostain 1988c in Kirwan & Green 2011
Lepidothrix vilasboasi	Placed in a y-branched tree fork.	Covered with small strands of dry leaves and with fibers with unusable leaf hung freely. Thick strings of the silky fabric dragged in edges.	Yes	Red-brown flecks over the central part that became paler and mixed with grey-violet spots toward the end.	Sick 1959
Machaeropterus deliciosus	Sited on a small fork.	Vegetable fibers covered on the outside with moss.	No	Brownish-white speckled with brown.	Willis 1966, Ramírez González & Arias García 1995, Kirwan & Green 2011
Machaeropterus pyrocephalus	Suspended in a fork.	Coarse fibers, dead leaves woven in the outside.	No	Dull white streaked and mottled with brown.	Bradshaw & Kirwan 1995
Machaeropterus striolatus	Suspended in a horizontal fork.	Internally whitish fibers and externally decorated with whitish, yellowish, or pale brown fibers and dry palm leaves.	Yes	Whitish with chestnut speckling.	This species used to be a subspecies of *M. regulus* Durães et al. 2008 described the eggs and nest for *M. regulus striolatus*
Manacus aurantiacus	Suspended in a horizontal fork.	Light in color, made of fine filaments, strips of bark, rootlets, and fibers, rarely with any pieces hanging below.	Yes	Dull white or pale grey to blue-grey mottled with brown in a wreath at the larger end.	Skutch 1969
Manacus candei	Suspended in a horizontal fork.	black fungal rhizomorphs and fine brown fibers, outside usually decorated with green moss	No	Whitish background but speckled brown, and a broad wreath of brown streaks at the larger end.	Snow 2004, Kirwan & Green 2011
Manacus manacus	Slung between horizontal support.	Thinly woven shallow cup made of rootlets, black fungal hyphae and occasionally dead leaves, inner lining of fine plant material	Yes	Dull white to yellowish white with a brown to grey or lavender markings either covering the egg or concentrated at the larger end.	Belcher & Smooker 1937, Hellebrekers 1942
Manacus vitellinus	Slung between horizontal support.	Thinly woven shallow cup of rootlets and fungal hyphae lined with finer material.	Yes	Pale to grey in the background with reddish-brown or greyish-brown spots forming a wreath at the larger end.	Stone 1918, Kirwan & Green 2011**.** Chapman 1935 and Wetmore 1972 in Kirwan & Green 2011

***Masius chrysopterus**	Placed between two horizontal branches in shrubs.	The inner layer of the nest was made of dark brown vegetal fibers, roots, and moss; the outer layer was made of dark brown roots.	Yes	Cream-colored with brown spots concentrated near the air-cell end, forming a "ring" at the larger end.	**This study**
***Neopelma chrysolophum**	Slung between two branches.	Live and dead black rootlets, with some moss and dead leaves.	Yes	X	Kirwan 2016
***Neopelma pallescens**	Attached between two branches.	Dry grass stems and heads, loosely woven together. A small number of fine woody stems.	Yes	White to pinkish grey in the background, with small reddish brown, reddish grey or dusky red spots concentrated at the large pole forming a crown.	Ferreira & Lopes 2018
***Neopelma sulphureiventer**	Slung between two branches.	Woven bamboo fibers.	No	X	Lebbin et al. 2007
***Pipra aureola**	Slung between a horizontal understory tree fork.	Black rootlets and pale brown vegetable fibers with some dead leaves.	Yes	Pale yellowish-brown or dull yellowish white with brownish-black or pale brown to lilac markings.	Hellebrekers 1942, Snow 2004, Kirwan & Green 2011. Beebe et al. 1917 in Kirwan & Green 2011
***Pipra fasciicauda**	Sited in a y-horizontal fork.	Dark fungal rhizomorphs, small twigs, rootlets, vegetable fibers and rachises of leaves.		Cream or whitish with streaks and blotches of brown or reddish-brown.	Kirwan & Green 2011**.** Oniki & Willis 1983, de la Peña 1989 and Raine 2007 in Kirwan & Green 2011
***Pipra filicauda**	Sited in a horizontal fork near streams, seasonal or permanent.	Dead leaves with live moss and lined with dark rhizomorphs.	Yes	Pale whitish with brown and slightly reddish-brown markings, concentrated at the larger end.	Schwartz & Snow 1979, Hidalgo et al. 2008
***Tyranneutes stolzmanni**	Suspended in a horizontal fork.	Sparse black rootlets.	No	X	Greeney et al. 2004
***Tyranneutes virescens**	Suspended in a fork.	Rootlets and vegetable matter with dead leaves attached to the base.	Yes	X	Beebe & Beebe 1910
***Xenopipo atronitens**	Attached to three narrow supporting branches.	Dead and live leaf.	Yes	X	Kirwan & Green 2011
TOTAL NUMBER OF SPECIES	**41**	**42**	**41**	**31**	
PERCENTAGE OF SPECIES	**78.8**	**80.8**	**78.8**	**59.6**	

Supplementary Table 3. Clutch size, egg measurements, and incubation and nestling periods for 39 species of Pipridae. "X"s indicate no available data. "NA"s indicate that the data are available but sources were inaccessible to us. "*" - highland species.

Species	Clutch size	Egg length (mm)	Egg width (mm)	Egg mass (g)	Incubation period (days)	Nestling period (days)	References
Antilophia bokermanni	2	23.9 ± 0.07	16.5 ± 0.05	3.19 ± 0.03	X	X	Gaiotti et al. 2019
Antilophia galeata	2	23.9	16.3	3.3	18 - 19	17 – 19	Marçal & Lopes 2019
Ceratopipra erythrocephala	2	19.1 - 19.5	14.5 - 15.0	X	16 - 17	X	Snow 1962b, Belcher & Smooker 1987
Ceratopipra mentalis	1 - 2	21.0	14.3	X	15 - 21	13	Skutch 1949, Skutch 1969, Robinson et al. 2000
Ceratopipra rubrocapilla	2	NA	NA	NA	X	13 - 14	Kirwan & Green 2011, Velho 1932, Pinto 1953 and Robinson et al. 2000 in Kirwan & Green 2011
****Chiroxiphia boliviana***	2	19 - 20	13 - 13.5	1.55 - 1.65	X	X	Hazlehurst & Londoño 2012
****Chiroxiphia caudata***	1 - 2	23.2 - 28.5	16.1 - 21.6	3.1 - 4.4	18	15 - 16	Sick 1997, Marini et al. 2007, Zima et al. 2017, Burmeister 1856, Euler 1900, Ihering 1900, Ihering 1902, Chubb 1910, Foster 1976 and de la Peña 1989 in Kirwan & Green 2011
Chiroxiphia lanceolata	2	21.5 - 22	14.7 - 15.2	X	18	15 - 18	Allen 1905, Hallinan 1924, DuVal 2007, Jones & DuVal 2019
Chiroxiphia linearis	2	20.3 - 24	15.5 - 18	2.5 - 3.25	X	X	Foster 1976, Binford 1989
Chiroxiphia pareola	2	21.5 - 25	14.5 - 17	2.2	17	15	Burmeister 1856, Snethlage 1935, Pinto 1953, Olney 1973, Olney 1974, Foster 1976
Corapipo gutturalis	2	NA	NA	NA	X	X	Tostain 1988b in Kirwan & Green 2011
Cryptopipo holochlora	X	20.0	15.0	X	X	X	Christian 2001
****Dixiphia pipra***	2	NA	NA	NA	X	X	Kirwan & Green 2011**,** Velho 1932, Pinto 1953, Oniki &

							Willis 1982 and Tostain 1988c in Kirwan & Green 2011
Heterocercus aurantiivertex	2	X	X	X	X	X	Kirwan & Green 2011
Lepidothrix coronata	2	19.4	14.4	X	17.5 - 19	13 - 15	Skutch 1969, Hidalgo et al. 2008**,** Wetmore 1972 in Kirwan & Green 2011
Lepidothrix nattereri	2	X	X	X	X	X	Kirwan & Green 2011
Lepidothrix serena	2	NA	NA	NA	X	X	Kirwan & Green 2011, Tostain 1988c in Kirwan & Green 2011
Lepidothrix vilasboasi	2	17.7	12.8	X	X	X	Sick 1959
Machaeropterus deliciosus	X	20.5	14.2	2.06	X	X	Ramírez González & Arias García 1995
Machaeropterus pyrocephalus	2	X	X	X	X	X	Kirwan & Green 2011
Machaeropterus regulus	2	X	X	X	X	X	Kirwan & Green 2011
Machaeropterus striolatus	X	14.0	18.0 - 19.0	1.89 - 1.92	X	X	This species used to be a subspecies of *M. regulus* Durães et al. 2008 described the eggs and nest for *M. regulus striolatus*
Manacus aurantiacus	2	20.5	14.9	X	18 - 20	13 - 15	Skutch 1949, Skutch 1969. Wetmore 1972 in Kirwan & Green 2011
Manacus candei	2	X	X	X	X	X	Stiles & Skutch 1989, Howell & Webb 1995
Manacus manacus	2	19.4 - 21.1	14.5 - 15.8	1.07	18 - 19	13 - 15	Snethlage 1935, Belcher & Smooker 1937, Hellebrekers 1942, Snow 1962a, Oniki & Willis 1983 and Sick 1997 in Kirwan & Green 2011
Manacus vitellinus	2	15.8	20.8	X	19	13 - 15	Stone 1918, Kirwan & Green 2011 Chapman 1935, Schönwetter 1969, Wetmore 1972 and

							Worthington 1982 in Kirwan & Green 2011
**Masius chrysopterus*	2	18.7 ± 0.89	13.3 ± 0.39	1.73 ± 0.20	22	16	**This study**
Neopelma pallescens	1.8	21.0 ± 0.9	15.8 ± 0.7	2.8 ± 0.4	X	15	Ferreira & Lopes 2018
Neopelma sulphureiventer	X	X	X	X	X	X	X
Pipra aureola	2	20.5	15.1	1.22	X	X	Snethlage 1935, Hellebrekers 1942. Beebe et al. 1917 in Kirwan & Green 2011
Pipra fasciicauda	2	NA	NA	NA	X	X	Kirwan & Green 2011**.** Oniki & Willis 1983 and de la Peña 1989 in Kirwan & Green 2011
Pipra filicauda	1 - 2	X	X	X	X	X	Hidalgo et al. 2008
TOTAL NUMBER OF SPECIES	**29**	**25**	**25**	**17**	**11**	**12**	
PERCENT OF SPECIES	**55.8**	**48.1**	**48.1**	**32.7**	**21.2**	**23.1**	

Supplementary Table 4. Diet, attentiveness, daily survival rate, nest success, predation rate and abandoned rate for 13 species of the Pipridae family. "X"s indicate no available data. "*" - highland species.

Species	Diet	Attentiveness (%)	daily survival rate (%)	Nest success (%)	Predation rate (%)	Abandoned rate (%)	Reference
Antilophia bokermanni	X	There is a brief description of parental care.	96.0 - 98.0	56.0 for eggs and 72.0 for nestlings	30.0 for eggs and 20.0 for nestlings	X	Gaiotti et al. 2019
Antilophia galeata	X	X	X	27.0	X	X	Marçal & Lopes 2019
Ceratopipra mentalis	X	80.0	92.0 - 95.0	X	X	X	Brawn et al. 2011 More information available in: Skutch 1969
****Chiroxiphia boliviana***	X	There is a brief description of parental care.	X	X	X	X	Hazlehurst & Londoño 2012
****Chiroxiphia caudata***	X	X	X	34.0	X	X	Zima et al. 2017
Chiroxiphia lanceolata	X	X	X	33.0 - 63.0 failed prior to the chicks fledging	X	X	DuVal & Kempenaers 2008
Lepidothrix coronata	X	X	85	X	84	X	Ryder et al. 2008
Machaeropterus striolatus	X	There is a brief description of parental care.	X	X	X	X	Durães et al. 2008
Manacus aurantiacus	X	83.6	X	20.3	X	X	Skutch 1969
Manacus manacus	X	X	X	19	X	X	Snow 1962a
****Masius chrysopterus***	Red, green, and black fruits	69.8 – 73.5	X	Two out of ten nests were successful	Six out of ten nests were depredated	Two out of ten nests were abandoned	**This study**
Neopelma pallescens	Arthropods and small fruit	There is a brief description of parental care.	X	15.4	76.9	7.7	Ferreira & Lopes 2018
Pipra filicauda	X	X	89	X	84	X	Hidalgo et al. 2008

TOTAL NUMBER OF SPECIES	**2**	**7**	**5**	**8**	**5**	**2**
PERCENT OF SPECIES	**3.8**	**13.5**	**9.6**	**15.4**	**9.6**	**3.8**