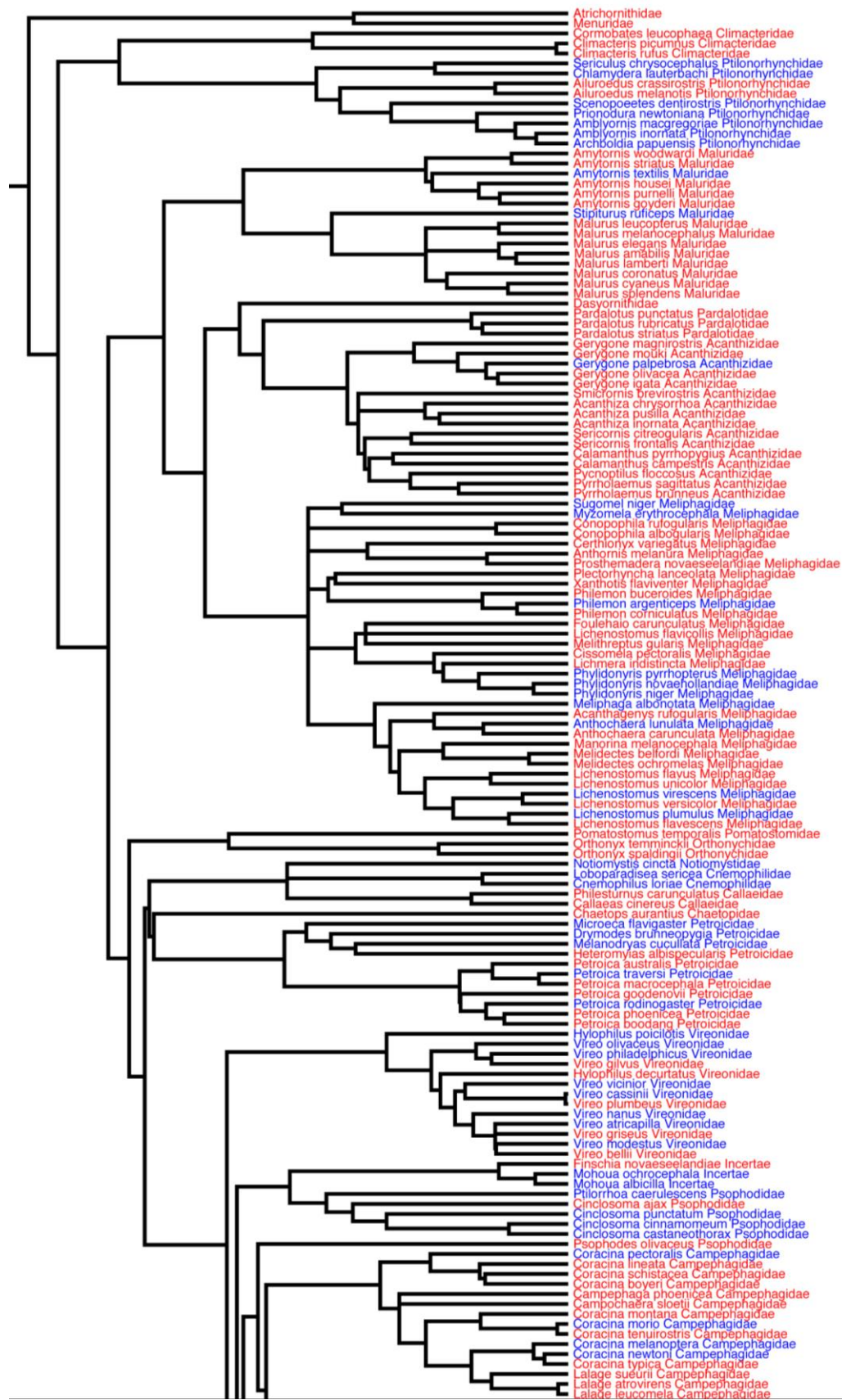
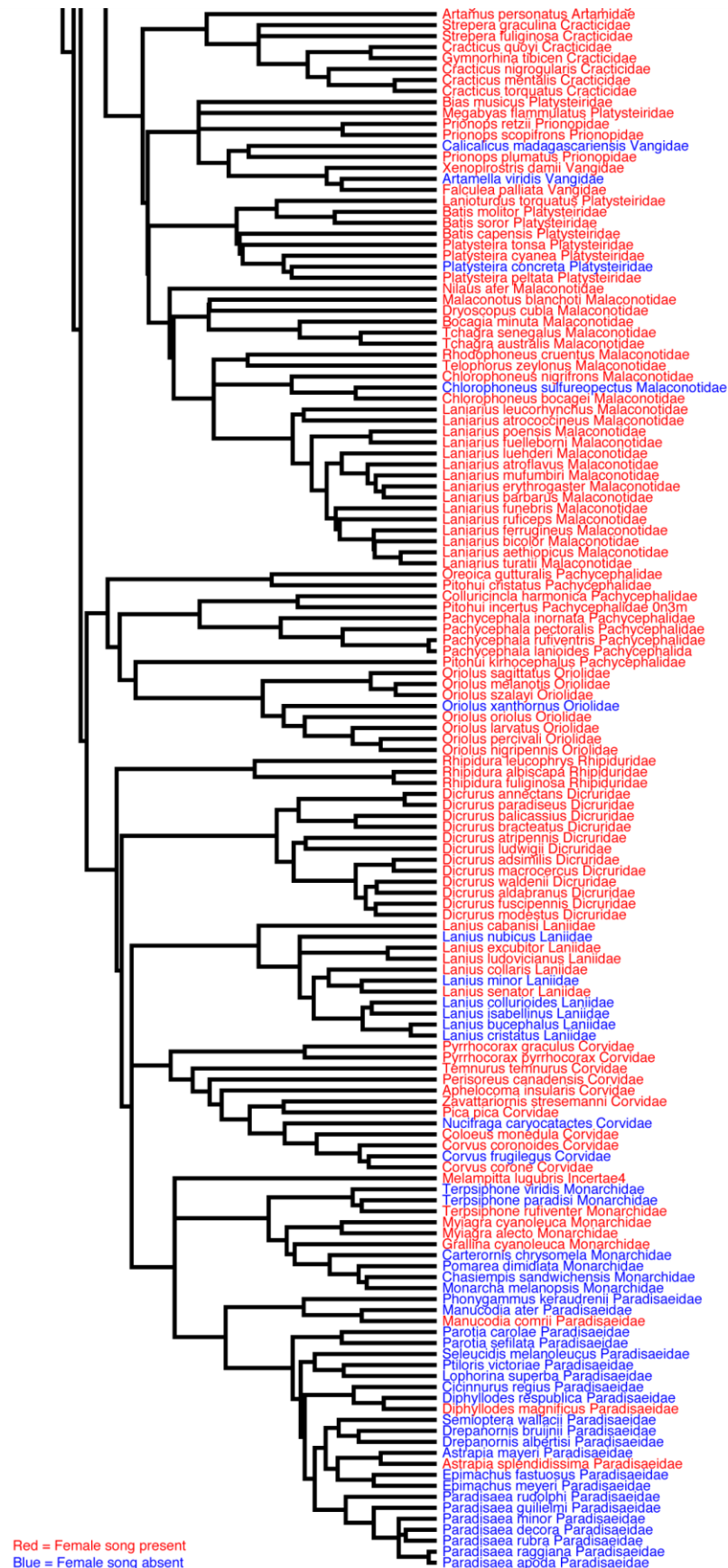






Supplementary Figure 1. Phylogenetic tree of species with and without female song. Phylogenetic tree containing genus species and family names for all species scored as female song present (red) or absent (blue). Taxonomy based on IOC 2.4⁵¹.

Table S1. Female song scores by family.

Family: Latin name	Family: common name	Female song present	Female song absent	No song	Not enough information	Total species per family
Menuridae	Lyrebirds	2	0	0	0	2
Atrichornithidae	Scrubbirds	1	0	0	1	2
Ptilonorhynchidae	Bowerbirds	2	8	0	10	20
Climacteridae	Australasian Treecreepers	5	0	0	2	7
Maluridae	Australasian Wrens	13	2	0	13	28
Meliphagidae	Honeyeaters	28	13	41	98	180
Dasyornithidae	Bristlebirds	3	0	0	0	3
Pardalotidae	Pardalotes	3	0	0	1	4
Acanthizidae	Australasian Warblers, Pachycare	17	1	2	41	61
Pomatostomidae	Australasian Babblers	1	0	1	3	5
Orthonychidae	Logrunners	2	0	0	1	3
Cnemophilidae	Satinbirds	0	2	0	1	3
Melanocharitidae	Berrypeckers, Longbills	0	0	2	9	11
Paramythiidae	Painted Berrypeckers	0	0	2	0	2
Callaeidae	Wattled Crows	3	0	0	0	3
Notiomystidae	Stitchbird	0	1	0	0	1
Psophodidae	Whipbirds, Jewel-babblers and Quail-thrushes	5	4	0	4	13
Platysteiridae	Wattle-eyes, Batises	9	1	0	22	32
Tephrodornithidae	Woodshrikes and allies	0	0	0	5	5
Prionopidae	Helmetshrikes	6	0	0	2	8
Malaconotidae	Bushshrikes	30	2	3	12	47
Machaerirhynchidae	Boatbills	0	0	0	2	2
Vangidae	Vangas	3	3	1	10	17
Cracticidae	Butcherbirds and allies	8	0	0	4	12
Pityriaseidae	Bristlehead	0	0	0	1	1
Artamidae	Woodswallows	1	0	0	10	11
Aegithinidae	Ioras	0	0	0	4	4
Campephagidae	Cuckooshrikes	12	4	5	65	86
Neosittidae	Sittellas	0	0	1	1	2
Pachycephalidae	Whistlers and allies	10	0	2	46	58
Laniidae	Shrikes	5	6	2	19	32

Vireonidae	Vireos, Greenlets	6	8	0	44	58
Oriolidae	Figbirds, Orioles	7	1	2	21	31
Dicruridae	Drongos	13	0	1	12	26
Rhipiduridae	Fantails	3	0	0	41	44
Monarchidae	Monarchs	8	7	3	75	93
Corvidae	Crows, Jays	11	2	65	44	122
Corcoracidae	Australian Mudnesters	0	0	1	1	2
Paradisaeidae	Birds-of-paradise	3	22	0	17	42
Petroicidae	Australasian Robins	6	5	2	33	46
Picathartidae	Rockfowl	0	0	2	0	2
Chaetopidae	Rockjumpers	1	0	1	0	2
Eupetidae	Rail-babbler	0	0	0	1	1
Incertae	Uncertain placement	2	2	1	2	7
Total		229	94	140	678	1141

Includes number of species per family scored for each of four categories of female song (Latin and common family names based on IOC 3.5²⁵).