

**Functional traits on cavity-nesting birds in subtropical Andean forest:
response to logging activity and comparing with American temperate forests**

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Table S1. Relative frequency of the main tree species at logged and unlogged sites in the Piedmont forests. Unlogged sites: 401.2 ± 79.32 tree/ha – Logged sites: 248.43 ± 65.04 tree/ha.

Tree species	Frequency (%)	
	Unlogged forest	Logged forest
<i>Phyllostylon rhamnoides</i>	34.4	8.3
<i>Calycophyllum multiflorum</i>	11.6	3.4
<i>Anadenanthera colubrina</i>	28.5	22.4
<i>Cedrela balansae</i>	4.4	1.5
<i>Myracrodruon urundeuva</i>	4.3	1.9
<i>Handroanthus impetiginosus</i>	4.7	2.2
<i>Ceiba chodatii</i>	2.2	0.9
<i>Myroxylon peruiferum</i>	0.9	1.4
<i>Amburana cearensis</i>	0.4	-
Snags	0.8	0.5
Other tree species	7.8	57.5
Total	100%	100%

Table S2. Relative frequency of the main tree species with potentially usable cavities for secondary-cavity nesting birds at logged and unlogged sites in the Piedmont forests.

Cavity tree species	Frequency (%)	
	Unlogged forest	Logged forest
	Total	Total
<i>Calycophyllum multiflorum</i>	36	5
<i>Phyllostylon rhamnoides</i>	18	12
<i>Myracrodruon urundeuva</i>	8	8
<i>Anadenanthera colubrina</i>	3	18
<i>Cedrela balansae</i>	3	2
<i>Myroxylon peruiferum</i>	2	-
<i>Amburana cearensis</i>	2	-
Snags	16	10
Other tree species	12	45
Total	100%	100%

Table S3. Functional diversity values for avian cavity-nesting species from temperate forests of Canada and Chile, and subtropical forest from Argentina.

	Temperate forest Canada		Temperate forest Chile		Subtropical forest Argentina	
	<i>unlogged</i>	<i>logged</i>	<i>unlogged</i>	<i>logged</i>	<i>unlogged</i>	<i>logged</i>
Total cavity-nesting birds	21 species		16 species		22 species	
Functional richness (Fric)	0.18 ± 0.07	0.12 ± 0.07	0.20 ± 0.10	0.08 ± 0.06	0.99 ± 0.001	0.98 ± 0.004
Functional evenness (Feve)	≈ 0.72	≈ 0.72	≈ 0.64	≈ 0.72	0.65 ± 0.02	0.72 ± 0.03
Functional divergence (Fdiv)	≈ 0.80	≈ 0.80	0.67 ± 0.08	0.53 ± 0.13	0.70 ± 0.04	0.78 ± 0.05
Community-weighted mean (CWM)						
Biomass: grs	51.72 ± 12.64	31.87 ± 18.02	47.28 ± 16.06	32.40 ± 13.37	108.67 ± 14.3	110.30 ± 29.9
Nest-tree size: DBH cm	≈ 30.00	≈ 30.00	65.65 ± 6.44	57.14 ± 10.04	52.37 ± 0.13	52.08 ± 1.47