

## Supplementary Material

**Tab. S1** - Numerical values (Fig. 2 and Fig. 3) of the different variables measured at each site of the piedmont forest in northwestern Argentina. (N): total plots made.

Variables	Control Forest			Managed to FSC	Conventional Logging Forest			Kruskal Wallis Test
	Site 1 (N=10)	Site 2 (N=20)	Site 3 (N=20)	Site 1 (N=10)	Site 1 (N=20)	Site 2 (N=20)	Site 3 (N=10)	
Total cavities ha <sup>-1</sup>	15.6 ± 7.4	16.6 ± 6.5	12.8 ± 8.3	10.6 ± 2.8	3.4 ± 3.5	5.2 ± 3.9	5.2 ± 3.3	p <0.001
Total tree cavities ha <sup>-1</sup>	14.4 ± 6.8	14.6 ± 5.5	11.4 ± 8.0	9.2 ± 3.2	3.4 ± 3.5	5.2 ± 3.9	4.8 ± 3.1	p <0.001
Natural cavities ha <sup>-1</sup>	14.0 ± 7.8	15.4 ± 6.6	12.4 ± 7.7	9.8 ± 5.4	2.8 ± 3.2	4.8 ± 4.0	4.4 ± 3.7	p <0.001
Excavated cavities ha <sup>-1</sup>	1.6 ± 2.8	1.2 ± 1.88	1.0 ± 1.78	0.8 ± 1.69	0.6 ± 1.25	0.4 ± 1.23	0.8 ± 1.69	p =0.567
DBH (cm)	45.65 ± 22.38	48.25 ± 21.4	44.4 ± 16.39	40.68 ± 12,28	30.13 ± 10.95	38.69 ± 9.82	35.08 ± 10.94	p <0.001
Cavity height (m)	6.56 ± 3.96	7.32 ± 3.56	7.57 ± 3.94	6.29 ± 1.96	5.85 ± 2.14	8.1 ± 3.02	5.56 ± 3.26	p =0.125
Tree height (m)	15.75 ± 5.65	16.71 ± 5.54	17.82 ± 5.14	15.70 ± 4.64	13.65 ± 4.23	15.76 ± 4.51	13.1 ± 4.3	p =0.003
Cavity entrance area (cm <sup>2</sup> )	604.4 ± 127.0	938.9 ± 148.6	438.0 ± 77.6	310.3 ± 325.0	247.2 ± 37.7	240.3 ± 288.6	84.0 ± 57.6	p <0.001
Internal cavity height (cm)	22 ± 11.5	23 ± 10	22.5 ± 9	20.5 ± 6.5	15.5 ± 6	16 ± 7.0	17 ± 8.0	p <0.001

**Fig. S1** - Static graphs obtained from the Dominance analysis (see Pinzón & Spence 2010) at each site of the piedmont forest in northwestern Argentina. The different cavity tree species can be found in the categories: Dominant, Subdominant, Common and Rare. The tree species with cavities are listed and their corresponding quadrant is shown.

