



ARTICLE

Phenotypic plasticity in *Bromelia serra* Griseb.: morphological variations due to plant size and habitats with contrasting light availability

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Appendix 1. Regressions of the architectural and biomass allocation variables on plant size (total biomass) for *Bromelia serra* plants growing in the understory (shade) and in open areas (sun). Type of variables: Ar, Plant architecture; Ba, Biomass allocation. Bold values denote $P < 0.05$.

Class	Variable (units)	Habitat	Transf.	Estimate log (biomass)	Error log (biomass)	Estimate intercept	Error intercept	R ²	df	F	P
Ar	Height (cm)	Shade	log	0.5113	0.0432	0.6805	0.0695	0.868	1,20	139.9	<0.0001
		Sun	log	0.5133	0.0395	0.6355	0.0671	0.884	1,21	168.6	<0.0001
Ar	Diameter (cm)	Shade	log	0.8564	0.0888	0.2243	0.1427	0.814	1,20	93.0	<0.0001
		Sun	log	0.6687	0.0588	0.4449	0.0998	0.853	1,21	129.4	<0.0001
Ar	Leaf number	Shade		17.9110	4.0360	9.1670	6.1820	0.483	1,20	19.7	0.0003
		Sun		22.9400	1.7370	1.9060	2.9500	0.887	1,21	174.5	<0.0001
Ar	Stem biomass (g)	Shade	log	0.7379	0.0417	-0.1884	0.0669	0.937	1,20	313.7	<0.0001
		Sun	log	0.7127	0.0532	-0.2228	0.0916	0.895	1,21	179.5	<0.0001
Ar	Leaf biomass (g)	Shade	log	1.0890	0.0177	-0.2847	0.0285	0.995	1,20	3767.0	<0.0001
		Sun	log	1.0744	0.0175	-0.2396	0.0301	0.995	1,21	3782.0	<0.0001
Ar	Blade biomass (g)	Shade	log	1.1488	0.0393	-0.4900	0.0632	0.975	1,20	852.7	<0.0001
		Sun	log	1.1139	0.0233	-0.4084	0.0395	0.991	1,21	2290.0	<0.0001
Ar	Sheath biomass (g)	Shade	log	0.9278	0.0610	-0.7452	0.0979	0.917	1,20	231.6	<0.0001
		Sun	log	0.9120	0.0328	-0.6538	0.0565	0.974	1,21	773.3	<0.0001
Ba	Leaf:Stem ratio (g·g ⁻¹)	Shade		-0.2898	0.0624	0.8695	0.1002	0.495	1,20	21.6	0.0002
		Sun		-0.2293	0.0579	0.7021	0.0996	0.412	1,21	15.7	<0.0001
Ba	Blade:Sheath ratio (g·g ⁻¹)	Shade		1.6264	0.6749	2.0342	1.0842	0.186	1,20	5.8	0.0257
		Sun		1.7814	0.3777	1.0875	0.6505	0.503	1,21	22.2	0.0001
Ba	Stem mass fraction (g·g ⁻¹)	Shade		-0.1841	0.0311	0.5331	0.0499	0.619	1,20	35.1	<0.0001
		Sun		-0.1635	0.0273	0.4838	0.0464	0.613	1,21	35.9	<0.0001
Ba	Blade mass fraction (g·g ⁻¹)	Shade		0.1798	0.0377	0.2940	0.0606	0.508	1,20	22.7	0.0001
		Sun		0.1557	0.0288	0.3580	0.0489	0.562	1,21	29.2	<0.0001
Ba	Sheath mass fraction (g·g ⁻¹)	Shade		-0.0330	0.0237	0.2005	0.0381	0.042	1,20	1.9	0.1801
		Sun		-0.0239	0.0182	0.1955	0.0308	0.032	1,21	1.7	0.2018
Ar	Leaf length (cm)	Shade	log	0.6717	0.0702	0.5817	0.1076	0.819	1,20	91.5	<0.0001
		Sun	log	0.5344	0.0334	0.6343	0.0591	0.931	1,21	256.8	<0.0001
Ar	Leaf width (cm)	Shade	log	0.1521	0.0412	0.1352	0.0632	0.387	1,20	13.6	0.0016
		Sun	log	0.1476	0.0191	0.1267	0.0339	0.755	1,21	<0.0001	<0.0001
Ba	Length: Width ratio (cm·cm ⁻¹)	Shade		19.3660	3.1320	-7.7060	4.7970	0.651	1,20	<0.0001	<0.0001
		Sun		14.6570	1.2920	-7.6710	2.2890	0.871	1,21	<0.0001	<0.0001