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5 **Phylogenetic effects on shoot magnesium concentration**

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16 **Table S1. Phylogenetic classification and mean shoot Ca and Mg concentrations and Ca/Mg**
 17 **quotient (SD = standard deviation; n = number of species sampled) of angiosperm orders and**
 18 **families grown hydroponically in a complete nutrient solution**

Order	Family	Shoot Ca (g kg ⁻¹ DW)		Shoot Mg (g kg ⁻¹ DW)		Shoot Mg/Ca		n
		mean	SD	mean	SD	mean	SD	
Caryophyllales	Aizoaceae	7.88	4.28	7.84	5.88	1.11	0.57	6
Caryophyllales	Amaranthaceae	13.84	6.53	8.25	1.29	0.71	0.30	9
Caryophyllales	Caryophyllaceae	11.11	6.01	4.59	2.46	0.46	0.25	14
Caryophyllales	Nyctaginaceae	16.89	6.02	4.93	1.58	0.33	0.19	3
Caryophyllales	Phytolaccaceae	15.43		8.44		0.55		1
Caryophyllales	Plumbaginaceae	9.32	4.27	6.69	1.99	0.84	0.42	5
Caryophyllales	Polygonaceae	8.97	4.23	4.76	1.74	0.59	0.21	6
Caryophyllales	Portulacaceae	9.41	0.01	10.56	4.49	1.12	0.48	2
Caryophyllales	all	11.14	5.65	6.34	3.24	0.68	0.40	46
Asterales	Asteraceae	9.47		2.29		0.24		1
Brassicales	Brassicaceae	18.42	4.68	2.88	0.80	0.16	0.03	11
Cucurbitales	Begoniaceae	23.41		6.02		0.26		1
Cucurbitales	Cucurbitaceae	24.07	3.39	4.64	0.62	0.19	0.02	5
Cucurbitales	all	23.96	3.05	4.87	0.79	0.20	0.03	6
Fagales	Betulaceae	8.10	0.97	4.13	1.73	0.50	0.15	2
Geraniales	Francoaceae	33.54		3.98		0.12		1
Lamiales	Scrophulariaceae	9.27	1.00	3.00	0.37	0.33	0.08	2
Myrtales	Myrtaceae	9.89		2.53		0.26		1
Oxalidales	Oxalidaceae	7.10		3.57		0.50		1
Poales	Poaceae	5.31		1.84		0.35		1
Proteales	Proteaceae	9.31	4.05	2.37	0.15	0.28	0.10	2
Ranunculales	Papaveraceae	8.94	1.97	2.81	0.14	0.33	0.08	3
Ranunculales	Ranunculaceae	15.40		3.40		0.22		1
Ranunculales	all	10.55	3.61	2.96	0.31	0.30	0.08	4
Rosales	Elaeagnaceae	5.94		1.18		0.20		1

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