

INFLUENCE OF ENVIRONMENTAL VARIABILITY ON PHYLOGENETIC DIVERSITY AND TRAIT DIVERSITY WITHIN *CALLIGONUM* COMMUNITIES

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Supplementary Table 1: Characters and character states used in morphometric analysis

Character	Coding
Lifespan	0, annual or short lived perennial; 1, perennial
Growth form	0, prostrate; 1, twining; 2, erect
Spinescence	0, absent; 1, present
Stem nature	0, herbaceous; 1, woody
Leaf location	0, basal; 1, cauline; 2, basal+cauline
Hairs on mature leaf	0, absent; 1, present
Leaf size	0, to about 1 cm; 1, to about 10 cm; 2, more than 10 cm
Leaf margins	0, entire; 1, crenate; 2, toothed
Phyllotaxy	0, alternate; 1, opposite; 2, whorled
Petiole length	0, absent; 1, less than a quarter; 2, quarter to half; 3, more than half
Inflorescence position	0, terminal; 1, axillary
Flower size	0, microscopic; 1, to about 0.5 cm; 2, to about 3 cm; 3, to about 10 cm; 4, more than 10 cm
Floral sexuality	0, bisexual; 1, at least some unisexual
Fruit aggregation	0, not multiple or aggregate; 1, multiple or aggregate
Fruit dehiscence	0, indehiscent; 1, dehiscent
Dispersal mode	0, unassisted dispersal; 1, assisted dispersal