

Online Resource 6 Results of hierarchical analysis of molecular variance (AMOVA) performed by grouping the 12 *Geropogon hybridus* populations in two groups N vs. C+S and N+C vs. S

***Geropogon hybridus* (L.)Sch. Bip. (Asteraceae) exhibits micro-geographic genetic divergence at ecological range limits along a steep precipitation gradient**

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Groups	Variance components	V	% total	P	Φ statistics
N vs. C+S	Among groups	12.19	42.04	<0.001	Φ _{CT} = 0.42
	Among populations within groups	0.67	2.30	0.001	Φ _{SC} = 0.04
	within populations	16.14	55.66	<0.001	Φ _{ST} = 0.44
N+C vs. S	Among groups	3.27	13.47	0.051	Φ _{CT} = 0.13
	Among populations within groups	1.85	19.99	<0.001	Φ _{SC} = 0.23
	within populations	16.14	66.55	<0.001	Φ _{ST} = 0.33

V = variance