

Supplementary material to the paper Maldonado-Fonkén M, Chuquillanqui H, Vildoso B and Linares-Palomino R 2024. Plant communities of high-Andean bofedal wetlands across a trans-Andean transect in southern Peru. Vegetation Classification and Survey. DOI: 10.3897/VCS.115726

Supplementary material 5. Results (p and R -values) of the One-way Analysis of Similarities (ANOSIM) between plant communities per year with Bray-Curtis index. Only communities with at least two replicas (plots) per year were included. Significant differences are shown in grey ($p < 0.050$). $R=0.6937$; p (same)=0.0001. Plant communities: 1 *Distichia muscoides*, 2: *Rockhausenia pygmaea*, 3: *Plantago rigida*, 4: *Plantago tubulosa*, 5: *Lachemilla diplophylla*, 6: *Aciachne pulvinata*, 7: *Juncus stipulatus*.

Plant communities_ Year		p -values																			
		6_17	6_18	6_19	5_17	5_18	5_19	1_17	1_18	1_19	7_17	7_19	3_17	3_18	3_19	4_17	4_18	4_19	2_17	2_18	2_19
R - values	6_17		1.000	1.000	0.033	0.044	0.036	0.001	0.000	0.000	0.336	0.337	0.015	0.015	0.017	0.017	0.021	0.020	0.003	0.004	0.002
	6_18	-1		1.000	0.036	0.046	0.035	0.000	0.001	0.000	0.329	0.345	0.016	0.016	0.017	0.020	0.018	0.020	0.004	0.003	0.004
	6_19	-0.5	-0.5		0.037	0.051	0.036	0.001	0.001	0.000	0.330	0.336	0.016	0.016	0.015	0.020	0.017	0.015	0.003	0.005	0.003
	5_17	0.96	0.97	0.90		0.888	0.862	0.000	0.000	0.000	0.037	0.036	0.000	0.000	0.000	0.000	0.001	0.000	0.000	0.000	0.000
	5_18	0.98	0.96	0.95	-0.11		0.930	0.000	0.000	0.000	0.048	0.047	0.000	0.000	0.001	0.001	0.001	0.001	0.000	0.000	0.000
	5_19	0.94	0.94	0.92	-0.11	-0.14		0.000	0.000	0.000	0.035	0.039	0.000	0.000	0.000	0.000	0.001	0.000	0.000	0.000	0.000
	1_17	1.00	1.00	1.00	0.99	0.99	0.98		0.140	0.050	0.001	0.001	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	1_18	1.00	1.00	1.00	0.99	0.99	0.98	0.01		0.166	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	1_19	0.99	0.99	0.99	0.98	0.98	0.98	0.01	0.01		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	7_17	1.00	1.00	1.00	0.96	1.00	0.88	1.00	1.00	1.00		0.669	0.016	0.015	0.013	0.020	0.021	0.020	0.003	0.003	0.005
	7_19	1.00	1.00	1.00	0.85	0.91	0.73	1.00	1.00	0.99	0.00		0.013	0.014	0.015	0.019	0.018	0.016	0.004	0.004	0.003
	3_17	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00		0.993	0.366	0.000	0.000	0.000	0.000	0.000	0.000
	3_18	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	-0.06		0.386	0.000	0.000	0.000	0.000	0.000	0.000
	3_19	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	0.00		0.000	0.000	0.000	0.000	0.000	0.000
	4_17	1.00	0.99	0.99	0.81	0.82	0.77	0.99	0.99	0.98	1.00	1.00	1.00	1.00	1.00		0.896	0.790	0.000	0.000	0.000
	4_18	0.99	0.97	0.98	0.80	0.78	0.68	0.99	0.99	0.98	0.96	0.97	1.00	1.00	1.00	-0.08		0.933	0.000	0.000	0.000
	4_19	1.00	1.00	1.00	0.92	0.93	0.86	0.99	0.99	0.98	1.00	1.00	1.00	1.00	1.00	-0.06	-0.09		0.000	0.000	0.000
	2_17	1.00	1.00	0.98	0.93	0.90	0.91	0.99	0.99	0.98	1.00	1.00	1.00	1.00	1.00	0.79	0.81	0.88		0.201	0.844
	2_18	1.00	0.99	0.99	0.92	0.89	0.90	0.99	0.98	0.97	1.00	1.00	1.00	1.00	1.00	0.78	0.77	0.87	0.02		0.424
2_19	0.98	0.97	0.96	0.90	0.87	0.88	0.98	0.98	0.97	1.00	1.00	1.00	1.00	1.00	0.67	0.68	0.77	-0.02	0.00		