

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 8.** Principal Component Analysis based on annual observations at each *bofedal*, assessing the relationship with the plant and bare soil cover, species richness, Pielou equitability and cover of moisture indicators. Colors indicate: orange, 2017; yellow, 2018; blue, 2019. IH: Moisture indicator species; S: number of species. J': Pielou evenness. Plant communities: 1 *Distichia muscoides*, 2 *Rockhausenia pygmaea*, 3 *Plantago rigida*, 4 *Plantago tubulosa*, 5 *Lachemilla diplophylla*, 6 *Aciachne pulvinata*, 7 *Juncus stipulatus*, 8 *Calamagrostis rigescens*, 9 *Calamagrostis chrysantha*, 10 *Distichia filamentosa*, 11 *Lobelia oligophylla*, 12: Mixed community 1, 13: Mixed community 2.

