

**Supplementary Figures S1: Soil sampling locations.** Fotos by M. Mętrak, M. Wilk, B. Aichner.

#1 sparse alpine meadow with *C. pseudofoetida*





#2 small sedge meadow / alluvial plain





#3 small sedge meadow / alluvial plain



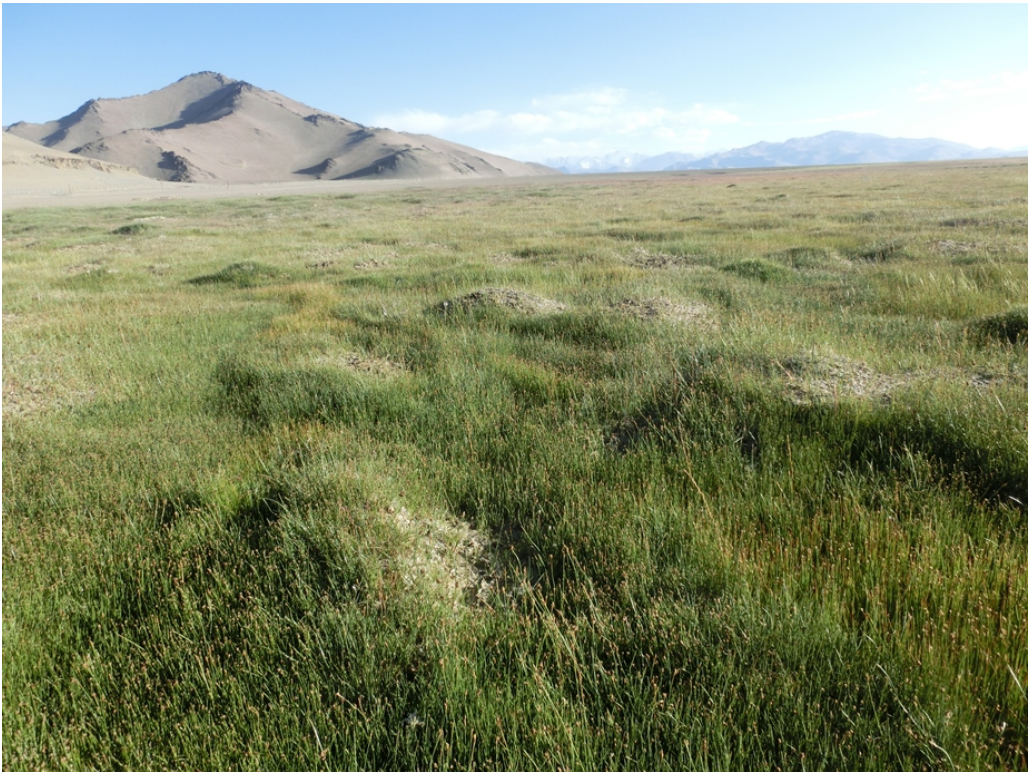


#4 saline marsh





#5: saline marsh





#6 grassland / alluvial plain



### Supplementary Table S1

Contents of *n*-alkanes in soil and sediment samples before and after prepGC as determined by comparing GC-FID peak areas (standard vs. sample).

Sample name	Compound	Alkane content [µg]	After prepGC [µg]	Recovery [%]
Soil 1	C29	12.6	6.0	47.6
Soil 1	C31	15.4	7.2	46.8
Soil 2	C29	61.0	18.1	29.7
Soil 2	C31	73.0	22.1	30.3
Soil 3	C29	64.0	19.4	30.3
Soil 3	C31	70.0	4.7	6.7
Soil 4	C29	66.0	23.2	35.0
Soil 4	C31	80.0	18.8	24.0
Soil 5	C29	22.0	4.6	20.9
Soil 5	C31	32.0	8.2	25.6
Soil 6	C29	230.9	20.0	9.0
Soil 6	C31	123.6	16.6	13.0
Core A	C29	92.1	21.8	24.0
Core A	C31	66.9	9.8	15.0
Core B	C29	88.6	18.6	21.0
Core B	C31	62.0	4.1	7.0