

Table S2 Loading matrix of the Principle Components (PCs)

(a) <i>K. sinicum</i>				(b) <i>K. cuspidatum</i>			
	PC1	PC2	PC3		PC1	PC2	PC3
bio5	0.982	0.133	-0.049	bio1	0.981	0.051	0.124
bio9	0.975	0.161	-0.083	bio5	0.892	-0.399	0.088
bio1	0.959	-0.225	-0.100	alt	-0.869	0.387	0.071
alt	-0.879	0.396	-0.003	bio6	0.819	0.472	0.048
bio6	0.842	-0.468	-0.159	bio2	-0.614	0.300	0.292
bio12	0.442	0.874	-0.019	bio12	0.149	0.828	-0.231
bio14	0.087	0.812	-0.275	bio14	-0.155	0.707	0.047
bio2	-0.568	-0.618	-0.202	bio9	0.613	0.632	0.138
pH	0.378	-0.428	0.118	TS	-0.198	-0.132	0.766
TS	0.254	0.100	0.906	pH	0.146	0.083	0.762

(c) <i>K. caspicum</i>				(d) <i>K. gracile</i>			
	PC1	PC2	PC3		PC1	PC2	PC3
bio1	0.949	0.252	-0.072	bio1	0.993	-0.056	0.045
bio6	0.921	0.006	-0.375	bio6	0.948	0.182	0.108
bio5	0.833	0.424	0.288	bio5	0.938	-0.295	-0.043
bio2	-0.776	-0.265	0.427	bio9	0.902	0.229	0.313
alt	-0.705	-0.425	-0.496	alt	-0.879	0.259	0.228
bio14	-0.370	0.870	0.063	bio12	-0.121	0.832	-0.076
bio12	-0.260	0.833	-0.427	pH	0.182	0.622	-0.263
bio9	0.635	-0.734	-0.015	bio2	-0.132	-0.598	0.523
TS	-0.206	0.526	0.017	bio14	0.099	0.630	0.658
pH	0.097	0.097	0.833	TS	0.337	0.083	-0.435

(e) <i>K. schrenkianum</i>				(f) <i>K. foliatum</i>			
	PC1	PC2	PC3		PC1	PC2	PC3
bio5	0.971	0.207	0.008	bio9	0.924	-0.022	-0.186
alt	-0.968	0.095	-0.111	bio1	0.894	0.397	-0.011
bio12	-0.872	0.110	0.382	bio6	0.889	0.212	-0.097
bio2	0.870	-0.351	0.092	bio12	-0.889	0.147	-0.016
bio6	-0.010	0.814	-0.431	bio14	-0.705	0.422	0.006
pH	0.138	0.797	0.332	alt	0.227	-0.926	-0.146
bio1	0.700	0.707	0.091	bio5	0.593	0.713	0.138
bio14	-0.583	0.671	-0.053	bio2	0.379	-0.696	0.124
bio9	0.089	0.352	-0.924	TS	0.054	0.043	0.840
TS	0.104	0.530	0.719	pH	-0.184	0.255	-0.638

bio1, annual mean temperature; bio2, monthly mean diurnal temperature range; bio5, max temperature of the warmest month; bio6, min temperature of the coldest month; bio9, mean temperature of the driest quarter; bio12, annual average precipitation; bio14, precipitation of the driest month; alt, altitude; TS, total salt contents