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附录V 养分添加对天山高寒草地群落内常见物种相对多度的影响

Supplement V Effects of nutrient addition on the relative abundance of common species within alpine grassland communities in Tianshan Mountains

物种 Species	PFG	RA _{CK} (%)	RA _N (%)	RA _P (%)	RA _{NP} (%)
落草 <i>Koeleria macrantha</i>	G	14.89	7.21↓	12.02↓	24.42↑
草地早熟禾 <i>Poa pratensis</i>	G	2.79	1.64↓	9.64↑	2.321↓
冰草 <i>Agropyron cristatum</i>	G	1.40	1.28↓	0.30↓	22.19↑
羊茅 <i>Festuca ovina</i>	G	34.54	15.11↓	25.14↓	35.02↑
天山赖草 <i>Leymus tianschanicus</i>	G	4.26	29.35↑	7.88↑	0.19↓
细果薹草 <i>Carex stenocarpa</i>	G	0.25	0.40↑	0.43↑	1.66↑
二裂委陵菜 <i>Potentilla bifurca</i>	F	9.74	15.66↑	23.20↑	9.39↓
莓叶委陵菜 <i>Potentilla fragarioides</i>	F	18.95	29.02↑	13.68↓	4.18↓
小花棘豆 <i>Oxytropis glabra</i>	L	0.39	0.23↓	0.43↑	0.29↓
高山黄耆 <i>Astragalus alpinus</i>	L	12.26	0.059↓	7.53↓	0.29↓

PFG, 功能群。RA_{CK}, 对照中物种相对多度; RA_N, 氮添加处理中物种相对多度; RA_{NP}, 氮磷混合添加处理中物种相对多度; RA_P, 磷添加处理中物种相对多度。F, 杂类草; G, 禾本科; L, 豆科。↓代表物种相对多度下降, ↑代表物种相对多度上升。

PFG, plant functional group. RA_{CK}, relative abundance of species in the control treatment; RA_N, relative abundance of species under nitrogen addition; RA_{NP}, relative abundance of species under combined nitrogen and phosphorus addition; RA_P, relative abundance of species under phosphorus addition. F, forbs; G, graminoids; L, legumes. ↓ indicates a decrease in species relative abundance, whereas ↑ indicates an increase in species relative abundance.