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附录II 不同养分添加处理中物种相对多度和功能性状之间的关系

Supplement II Relationships between species relative abundance and functional traits under different nutrient addition treatments

关系 Relationships	标准主轴回归 Standardized major axis regression				
	处理 Treatment	截距 Intercept	斜率 Slope	R^2	p
物种相对多度与叶干物质含量	CK	3.370	8.668	0.147	0.273
SRA and leaf dry matter content	N	-3.265	-14.279	0.359	0.066
	P	3.182	7.386	0.175	0.228
	NP	3.067	9.655	0.003	0.875
物种相对多度与比叶面积	CK	-18.454	-3.424	0.022	0.685
SRA and specific leaf area	N	27.540	4.838	0.237	0.152
	P	-19.751	-3.638	0.060	0.494
	NP	24.194	4.238	0.077	0.436
物种相对多度与植物高度	CK	-2.937	3.423	0.009	0.793
SRA and plant height	N	-4.238	4.404	0.495	0.023
	P	-3.639	4.141	0.003	0.870
	NP	-3.553	3.857	0.000	0.964
物种相对多度与种子大小	CK	3.875	-1.852	0.078	0.434
SRA and seed size	N	4.695	-2.437	0.503	0.021
	P	4.043	-1.937	0.117	0.333
	NP	4.286	-2.192	0.402	0.048
物种相对多度与叶片碳含量	CK	8.368	16.450	0.299	0.101
SRA and leaf carbon content	N	-7.550	-18.062	0.375	0.059
	P	7.560	14.492	0.104	0.362
	NP	-7.467	-18.654	0.226	0.164
物种相对多度与叶片氮含量	CK	-13.232	-7.205	0.015	0.735
SRA and leaf nitrogen content	N	27.310	15.854	0.012	0.757
	P	6.912	3.307	0.078	0.434
	NP	-10.188	-6.119	0.003	0.876
物种相对多度与叶片磷含量	CK	79.705	28.017	0.050	0.532
SRA and leaf phosphorus content	N	77.208	28.097	0.047	0.543
	P	20.239	8.108	0.310	0.094
	NP	-25.403	-10.248	0.206	0.186

CK, 对照; N, 氮添加; NP, 氮磷混合添加; P, 磷添加。利用标准主轴回归和系统发育独立性分析去评估二者之间的关系, 显著($p < 0.05$)结果用粗体表示。

CK, control; N, nitrogen addition; NP, combined nitrogen and phosphorus addition; P, phosphorus addition. SRA, species relative abundance. We used standardized major axis (SMA) regression and phylogenetically independent contrasts (PICs) to assess the relationships between SRA and functional traits. Significant ($p < 0.05$) results are shown in bold.