

魏瑶, 马志远, 周佳颖, 张振华 (2022). 模拟增温改变青藏高原植物繁殖物候及植株高度. 植物生态学报, 46, 995-1004. DOI: 10.17521/cjpe.2021.0450

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附录V 增温、年份及其交互作用对不同高寒植物开花持续时间的影响

Supplement V Effects of warming, year and their interaction on flowering time of different alpine plants

物种 Species	W		Y		W × Y			
	numDF	denDF	F	p	F	p	F	p
矮生嵩草 <i>Kh</i>	1	13	3.031	0.105	10.338	<b>0.007</b>	0.010	0.923
高山豆 <i>Th</i>	1	13	11.989	<b>0.004</b>	0.005	0.945	0.303	0.592
花苜蓿 <i>Mr</i>	1	15	11.685	<b>0.004</b>	1.245	0.282	1.345	0.264
甘肃棘豆 <i>Ok</i>	1	14	0.008	0.929	1.249	0.283	0.252	0.624
金露梅 <i>Pf</i>	1	12	0.395	0.542	32.836	<b>&lt;0.001</b>	0.221	0.647
麻花苳 <i>Gs</i>	-	-	-	-	-	-	-	-
美丽风毛菊 <i>Sp</i>	1	5	0.484	0.518	3.205	0.133	2.780	0.156
垂穗披碱草 <i>En</i>	1	15	2.581	0.129	4.058	0.062	0.016	0.900
红棕囊草 <i>Cp</i>	1	1	9.857	0.196	65.568	0.078	18.728	0.145
线叶龙胆 <i>Gf</i>	-	-	-	-	-	-	-	-
线叶嵩草 <i>Kc</i>	1	9	4.599	0.061	3.110	0.112	4.345	0.067
异针茅 <i>Sa</i>	1	10	1.184	0.302	0.111	0.746	0.556	0.473
草地早熟禾 <i>Pp</i>	1	15	11.483	<b>0.004</b>	6.769	<b>0.020</b>	0.012	0.914
珠芽蓼 <i>Pv</i>	1	10	5.282	<b>0.044</b>	4.364	0.063	0.060	0.811
藏异燕麦 <i>Ht</i>	-	-	-	-	-	-	-	-

denDF, 分母自由度; numDF, 分子自由度。Cp, 红棕囊草; En, 垂穗披碱草; Gf, 线叶龙胆; Gs, 麻花苳; Ht, 藏异燕麦; Kc, 线叶嵩草; Kh, 矮生嵩草; Mr, 花苜蓿; Ok, 甘肃棘豆; Pp, 草地早熟禾; Pf, 金露梅; Pv, 珠芽蓼; Sa, 异针茅; Sp, 美丽风毛菊; Th, 高山豆。加粗数字表示效应显著。

denDF, denominator degree of freedom; numDF, numerator degree of freedom. Cp, *Carex przewalskii*; En, *Elymus nutans*; Gf, *Gentiana lawrencei* var. *farreri*; Gs, *Gentiana straminea*; Ht, *Helictotrichon tibeticum*; Kc, *Kobresia capillifolia*; Kh, *Kobresia humilis*; Mr, *Medicago ruthenica*; Ok, *Oxytropis kansuensis*; Pp, *Poa pratensis*; Pf, *Potentilla fruticosa*; Pv, *Polygonum viviparum*; Sa, *Stipa aliena*; Sp, *Saussurea pulchra*; Th, *Tibetia himalaica*. Bold numbers indicate effect significantly.