

Table S10. Percentage change (%) of and lnRR factors in response to warming with different plant types. TC, total carbon; SWC, soil water content; FN, foliar nitrogen; FP, foliar phosphorus; FV/FM, Maximum quantum yield of PSII; SLA, specific leaf area; WUE, water use efficiency; Pn, net photosynthetic rate; Gs, stomatal conductance; T, transpiration rate; $\delta^{13}\text{C}$, carbon stable isotope composition; SD, stomatal density; SS, stomatal size.

Variables	Plant type	QM	P (QM)	RR (%)	lnRR	95%CI
TC	Needleleaf-tree	2.37	0.5	5.55	0.054	[-0.182,0.291]
	shrub	2.37	0.5	-0.9	-0.009	[-0.254,0.236]
	graminoid	2.37	0.5	13.66	0.128	[-0.043,0.298]
SWC	Needleleaf-tree	4.68	0.32	-7.78	-0.081	[-0.571,0.41]
	shrub	4.68	0.32	-19.51	-0.217	[-0.545,0.110]
	graminoid	4.68	0.32	-10.68	-0.113	[-0.34,0.114]
	forb	4.68	0.32	-9.97	-0.105	[-0.253,0.043]
FN	Broadleaf-tree	82.27	<0.0001	-14.44	-0.156	[-0.235, -0.076]
	Needleleaf-tree	82.27	<0.0001	-6.39	-0.066	[-0.155,0.024]
	shrub	82.27	<0.0001	-10.6	-0.112	[-0.233,0.01]
	graminoid	82.27	<0.0001	50.53	0.409	[0.307,0.511]
FP	Broadleaf-tree	4.34	0.11	-8.52	-0.089	[-0.192,0.014]
	shrub	4.34	0.11	-7.50	-0.078	[-0.204,0.048]
FV/FM	Broadleaf-tree	50.14	<0.0001	-0.9	-0.009	[-0.055,0.038]
	Needleleaf-tree	50.14	<0.0001	0.30	0.003	[-0.032,0.039]
	shrub	50.14	<0.0001	1.82	0.018	[-0.046,0.081]
	graminoid	50.14	<0.0001	-18.94	-0.21	[-0.269, -0.150]
	forb	50.14	<0.0001	-3.05	-0.031	[-0.078,0.015]
Chlorophyll	Broadleaf-tree	6.87	0.08	-9.43	-0.099	[-0.366,0.168]
	graminoid	6.87	0.08	-18.7	-0.207	[-0.383, -0.031]
	forb	6.87	0.08	-8.24	-0.086	[-0.252,0.079]
SLA	Broadleaf-tree	4.24	0.37	19.6	0.179	[-0.010,0.368]
	Needleleaf-tree	4.24	0.37	7.68	0.074	[-0.092,0.239]
	shrub	4.24	0.37	-2.96	-0.03	[-0.343,0.282]
WUE	graminoid	4.24	0.37	0.80	0.008	[-0.277,0.292]
	Broadleaf-tree	30.25	<0.0001	10.96	0.104	[-0.026,0.234]
	Needleleaf-tree	30.25	<0.0001	0.20	0.002	[-0.148,0.152]
	shrub	30.25	<0.0001	46.08	0.379	[0.212,0.546]
	Graminoid	30.25	<0.0001	8.98	0.086	[-0.049,0.22]
Pn	forb	30.25	<0.0001	-20.15	-0.225	[-0.399, -0.051]
	Broadleaf-tree	22.21	<0.001	10.3	0.098	[-0.048,0.2445]
	Needleleaf-tree	22.21	<0.001	0.20	0.002	[-0.208,0.212]
	shrub	22.21	<0.001	16.07	0.149	[-0.089,0.387]
	graminoid	22.21	<0.001	18.18	0.167	[0.001,0.333]
Gs	forb	22.21	<0.001	-27.46	-0.321	[-0.483, -0.159]
Gs	Broadleaf-tree	6.17	0.29	-0.9	-0.009	[-0.156,0.14]

	Needleleaf-tree	6.17	0.29	-14.02	-0.151	[-0.3449,0.043]
	shrub	6.17	0.29	-14.27	-0.154	[-0.381,0.074]
	graminoid	6.17	0.29	-8.7	-0.091	[-0.266,0.084]
	forb	6.17	0.29	-5.92	-0.061	[-0.18,0.057]
	Broadleaf-tree	33.9	<0.0001	-8.15	-0.085	[-0.225,0.054]
T	Needleleaf-tree	33.9	<0.0001	45.64	0.376	[0.218,0.535]
	shrub	33.9	<0.0001	-4.69	-0.048	[-0.234,0.138]
	graminoid	33.9	<0.0001	-7.78	-0.081	[-0.246,0.084]
	forb	33.9	<0.0001	-23.13	-0.263	[-0.429, -0.096]
	Broadleaf-tree	32.68	<0.0001	5.13	0.05	[-0.019,0.119]
$\delta^{13}\text{C}$	Needleleaf-tree	32.68	<0.0001	0.80	0.008	[-0.039,0.055]
	shrub	32.68	<0.0001	-0.1	-0.001	[-0.081,0.078]
	graminoid	32.68	<0.0001	12.41	0.117	[0.076,0.159]
	forb	32.68	<0.0001	-2.18	-0.022	[-0.224,0.181]
	Broadleaf-tree	5.93	0.11	-9.15	-0.096	[-0.219,0.028]
SD	shrub	5.93	0.11	-22.2	-0.251	[-0.878,0.377]
	forb	5.93	0.11	-10.86	-0.115	[-0.245,0.015]
SS	Broadleaf-tree	2.24	0.33	-1.78	-0.018	[-0.120,0.085]
	forb	2.24	0.33	-36.81	-0.459	[-1.075,0.157]