

Table S1 Comparison of litter mass remaining (%) for *Stipa breviflora* in response to warming and N addition

Treatment	0 d	182 d	243 d	357 d	612 d	706 d
Control	100 ± 0	98.05 ± 0.08 ^a	95.22 ± 1.20 ^a	86.30 ± 0.93 ^a	83.83 ± 1.64 ^a	77.67 ± 0.21 ^a
Nitrogen (N)	100 ± 0	94.58 ± 0.50 ^b	87.70 ± 1.22 ^b	82.05 ± 1.27 ^{ab}	79.48 ± 1.67 ^b	74.10 ± 0.19 ^b
Warming	100 ± 0	94.63 ± 1.15 ^b	89.47 ± 1.20 ^b	82.87 ± 1.34 ^{ab}	77.65 ± 0.23 ^{bc}	75.42 ± 1.15 ^b
Warming + N	100 ± 0	93.69 ± 1.16 ^b	87.18 ± 0.07 ^b	79.58 ± 2.09 ^c	74.32 ± 0.27 ^c	71.62 ± 0.16 ^c

Note: Means followed by the different letters in columns are significantly different ($P < 0.05$).

Table S2 Comparison of litter N concentrations (mg·g⁻¹) for *Stipa breviflora* in response to warming and N addition

Treatment	0 d	182 d	243 d	357 d	612 d	706 d
Control	4.15 ± 0.09 ^c	4.00 ± 0.08 ^c	3.92 ± 0.08 ^c	4.26 ± 0.14 ^c	5.07 ± 0.18 ^c	5.59 ± 0.21 ^b
Nitrogen (N)	5.20 ± 0.14 ^{ab}	5.02 ± 0.10 ^a	4.94 ± 0.10 ^a	5.32 ± 0.11 ^{ab}	6.24 ± 0.20 ^{ab}	6.92 ± 0.16 ^a
Warming	4.89 ± 0.15 ^b	4.67 ± 0.09 ^b	4.65 ± 0.09 ^b	4.94 ± 0.14 ^b	5.84 ± 0.13 ^b	6.51 ± 0.12 ^a
Warming + N	5.35 ± 0.10 ^a	5.19 ± 0.07 ^a	5.17 ± 0.06 ^a	5.48 ± 0.13 ^a	6.37 ± 0.11 ^a	6.50 ± 0.12 ^a

Note: Means followed by the different letters in columns are significantly different ($P < 0.05$).

Table S3 Comparison of litter P concentrations (mg·g⁻¹) for *Stipa breviflora* in response to warming and N addition

Treatment	0 d	182 d	243 d	357 d	612 d	706 d
Control	0.52 ± 0.04 ^b	0.34 ± 0.04 ^a	0.17 ± 0.01 ^a	0.25 ± 0.01 ^b	0.22 ± 0.01 ^b	0.22 ± 0.01 ^b
Nitrogen (N)	0.60 ± 0.04 ^{ab}	0.40 ± 0.03 ^a	0.23 ± 0.03 ^a	0.31 ± 0.01 ^a	0.28 ± 0.01 ^a	0.29 ± 0.03 ^{ab}
Warming	0.61 ± 0.03 ^{ab}	0.42 ± 0.04 ^a	0.25 ± 0.03 ^a	0.33 ± 0.02 ^a	0.30 ± 0.02 ^a	0.30 ± 0.02 ^{ab}
Warming + N	0.66 ± 0.03 ^a	0.41 ± 0.06 ^a	0.24 ± 0.01 ^a	0.32 ± 0.01 ^a	0.29 ± 0.01 ^a	0.31 ± 0.03 ^a

Note: Means followed by the different letters in columns are significantly different ($P < 0.05$).