

Supplementary Material

Subtropical native grasslands may not require fire, mowing or grazing to maintain native-plant diversity

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Table S1. *P* values of Kruskal-Wallis tests for species abundance across the six treatment types for the 51 species present in at least four out of the seven sampling stations and where the species was present in at least half of the station-plots. The species present in at least four sampling stations but are not present in at last half of the station-plot combinations are indicated as NA. Exotic species are indicated with an asterisk.

Species	<i>P</i> value	Site count	Percentage of station-plot combinations where present
<i>Verbena tenuisceta</i> *	0.0011	7	93
<i>Oxalis perennans</i>	0.0306	7	69
<i>Eriochloa crebra</i>	0.0352	7	81
<i>Rapistrum rugosum</i> *	0.0392	6	56
<i>Phyllanthus virgatus</i>	0.0788	7	90
<i>Einadia polygonoides</i>	0.1378	7	79
<i>Danthonia linkii</i>	0.1388	7	88
<i>Themeda avenacea</i>	0.1408	6	72
<i>Panicum decompositum</i>	0.1591	7	83
<i>Neptunia gracilis</i>	0.1613	7	76

<i>Leiocarpa leptolepis</i>	0.2120	7	86
<i>Vittadinia pustulata</i>	0.2344	6	61
<i>Tribulus micrococcus</i>	0.2446	6	78
<i>Astrebla elymoides</i>	0.2492	6	78
<i>Homophilis proluta</i>	0.2556	5	80
<i>Hypoxis hygrometrica</i>	0.2734	7	69
<i>Sonchus oleraceus*</i>	0.2980	7	52
<i>Cyperus bifax</i>	0.3469	7	86
<i>Leptochloa divaricatissima</i>	0.3701	4	67
<i>Elymus scaber</i>	0.3946	7	90
<i>Desmodium campylocaulon</i>	0.4313	6	56
<i>Convolvulus erubescens</i>	0.4577	7	71
<i>Dichanthium queenslandicum</i>	0.4667	6	64
<i>Wahlenbergia gracilis</i>	0.5208	7	69
<i>Hypochaeris microcephala*</i>	0.5232	5	73
<i>Boerhavia dominii</i>	0.5463	7	76
<i>Astrebla lappacea</i>	0.5480	5	80
<i>Aristida leptopoda</i>	0.5596	7	83
<i>Brachycome trachycarpa</i>	0.5741	5	60
<i>Bothriochloa biloba</i>	0.5763	4	75
<i>Euphorbia drummondii</i>	0.5790	5	53
<i>Enteropogon ramosa</i>	0.6092	7	55
<i>Paspalidium globoideum</i>	0.6510	7	86
<i>Digitaria porrecta</i>	0.6941	4	58
<i>Conyza bonariensis*</i>	0.7097	7	74
<i>Sida trichopoda</i>	0.7338	7	90
<i>Digitaria divaricatissima</i>	0.7390	6	81
<i>Cullen tenax</i>	0.7534	7	67

<i>Brachycome dentata</i>	0.7734	6	64
<i>Enteropogon acicularis</i>	0.7743	7	81
<i>Verbena officinalis*</i>	0.8014	6	75
<i>Ciclospermum leptophyllum*</i>	0.8221	7	83
<i>Thellungia advena</i>	0.8780	7	83
<i>Geranium solanderi</i>	0.8881	7	55
<i>Calotis cuneata</i>	0.9029	4	67
<i>Commelina cyanea</i>	0.9035	5	67
<i>Rhynchosia minima</i>	0.9143	6	83
<i>Panicum queenslandicum</i>	0.9286	7	90
<i>Brunoniella australis</i>	0.9381	4	67
<i>Glycine latifolia</i>	0.9398	5	87
<i>Dichanthium sericeum</i>	0.9771	7	79
<i>Sporobolus creber</i>	NA	7	50
<i>Vittadinia sulcata</i>	NA	7	36
<i>Gnaphalium sphaericum</i>	NA	6	50
<i>Sida corrugata</i>	NA	6	50
<i>Gomphocarpus physocarpus*</i>	NA	6	42
<i>Sclerolaena muricata</i>	NA	6	42
<i>Cirsium vulgare*</i>	NA	6	39
<i>Bothriochloa erianthoides</i>	NA	5	80
<i>Goodenia fascicularis</i>	NA	5	47
<i>Caesia parviflora</i>	NA	5	37
<i>Atriplex semibaccata</i>	NA	4	50
<i>Aristida ramosa</i>	NA	4	46
<i>Marsilea drummondii</i>	NA	4	46
<i>Carex rhytidocarpa</i>	NA	4	42
<i>Austrostipa aristiglumis</i>	NA	4	38

<i>Eragrostis curvula*</i>	NA	4	38
<i>Eremophila debilis</i>	NA	4	38
<i>Leiocarpa panaetioides</i>	NA	4	38
<i>Bothriochloa decipiens</i>	NA	4	33
<i>Chloris gayana*</i>	NA	4	29
<i>Sclerolaena muricata</i>	NA	4	25
<i>Vigna lanceolata</i>	NA	4	25
