

Table S1 Indicator species of the different groups calculated using the IndVal index, which considers the index of fidelity (A) and specificity (B). The p-value was also calculated and reported for each value.

R. alaternus communities (Cluster A)					
	A	B	stat	p.value	Signif. codes
<i>Brachypodium rupestre</i>	0.83	1	0.91	0.004	**
<i>Rhamnus alaternus</i>	0.65	1	0.81	0.048	*
<i>Allium roseum</i>	0.98	1	0.99	0.006	**
<i>Ornithogalum narbonense</i>	0.95	1	0.98	0.004	**
<i>Lactuca serriola</i>	0.94	1	0.97	0.014	*
<i>Lotus ornithopodioides</i>	0.89	1	0.94	0.013	*
<i>Echium vulgare</i>	0.88	1	0.94	0.035	*

Therophytic grasslands & A. ramosus communities (Clusters B1-I)					
	A	B	stat	p.value	Signif. codes
<i>Lysimachia linum-stellatum</i>	0.75	1	0.87	0.001	***
<i>Linum bienne</i>	1	0.67	0.82	0.038	*
<i>Teucrium capitatum</i>	0.96	0.67	0.8	0.058	.
<i>Sanguisorba minor</i>	0.72	0.89	0.8	0.002	**
<i>Asperula aristata</i>	0.81	0.78	0.79	0.032	*
<i>Ononis reclinata</i>	0.54	1	0.74	0.001	***
<i>Anagallis arvensis</i>	0.67	0.78	0.72	0.001	***
<i>Catapodium rigidum</i>	0.59	0.89	0.72	0.001	***
<i>Trifolium campestre</i>	0.48	0.89	0.65	0.017	*
<i>Trifolium scabrum</i>	0.38	0.89	0.58	0.068	.
<i>Anthemis arvensis</i>	0.31	1	0.55	0.004	**

Grave mounds communities (Cluster C)					
	A	B	stat	p.value	Signif. codes
<i>Convolvulus cantabrica</i>	0.42	0.94	0.63	0.04	*
<i>Urospermum dalechampii</i>	0.4	0.94	0.61	0.009	**
<i>Trifolium stellatum</i>	0.35	0.94	0.57	0.074	.

D. villosus communities (Cluster D)					
	A	B	stat	p.value	Signif. codes
<i>Dasypyrum villosus</i>	0.81	1	0.9	0.001	***
<i>Silene italica</i>	0.8	1	0.9	0.001	***
<i>Vicia hybrida</i>	0.74	1	0.86	0.001	***
<i>Anchusa azurea</i>	1	0.6	0.78	0.077	.
<i>Avena sterilis</i>	0.73	0.8	0.77	0.037	*
<i>Geranium molle</i>	0.55	1	0.74	0.029	*
<i>Avena barbata</i>	0.38	1	0.62	0.026	*
<i>Crepis sancta</i>	0.35	1	0.6	0.091	.
<i>Dactylis glomerata</i> subsp. <i>hispanica</i>	0.34	1	0.58	0.028	*

M. sylvestris communities (Cluster E)					
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	A	B	stat	p.value	Signif. codes
<i>Hordeum murinum</i> subsp. <i>leporinum</i>	1	1	1	0.001	***
<i>Malva sylvestris</i>	0.63	1	0.79	0.001	***
<i>Erodium cicutarium</i>	0.7	0.8	0.75	0.034	*
<i>Calendula arvensis</i>	0.44	1	0.67	0.005	**
<i>Plantago lagopus</i>	0.42	1	0.65	0.099	.
<i>Sherardia arvensis</i>	0.27	1	0.52	0.071	.

Signif. codes: 0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1