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*Article*

# Spatial Heterogeneity Effects on Meta-Community Stability of Annual Plants from a Coastal Dune Ecosystem

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## Supplementary information



| Species | Cover (%) |
|---|---|
| *Rumex pictus* | 1.94269 |
| *Senecio joppensis* | 1.06716 |
| *Rumex bucephalophorus* | 0.69077 |
| *Hormuzakia aggregate* | 0.60344 |
| *Crepis aculeata* | 0.45249 |
| *Ifloga spicata* | 0.27869 |
| *Daucus glaber* | 0.27100 |
| *Polycarpon succulentum* | 0.20392 |
| *Lotus halophilus* | 0.19491 |
| *Geranium robertianum* | 0.12869 |
| *Corynephorus articulatus* | 0.09241 |
| *Maresia pulchella* | 0.08917 |
| *Lupinus palaestinus* | 0.08669 |
| *Phleum exaratum* | 0.08472 |
| *Trisetaria linearis* | 0.07674 |
| *Bromus rigidus* | 0.05853 |
| *Anagallis arvensis* | 0.05526 |
| *Torilis arvensis* | 0.05252 |
| *Bromus sterilis* | 0.04285 |
| *Lupinus angustifolius* | 0.04055 |
| *Brassica tournefortii* | 0.03556 |
| *Asphodelus tenuifolius* | 0.03319 |
| *Erodium laciniatum* | 0.03162 |
| *Euphorbia terracina* | 0.03155 |
| *Cutandia memphitica* | 0.03052 |
| *Ononis serrata* | 0.02360 |
| *Neurada procumbens* | 0.02296 |
| *Avena barbata* | 0.02262 |
| *Urospermum picroides* | 0.02245 |
| *Campanula sulphurea* | 0.01914 |
| *Lathyrus marmoratus* | 0.01835 |
| *Arenaria leptoclados* | 0.01613 |
| *Plantago sarcophylla* | 0.01599 |
| *Galium aparine* | 0.01528 |

| | |
|---|---|
| *Centaurea procurrens* | 0.01294 |
| *Lagurus ovatus* | 0.01197 |
| *Pancratium maritimum* | 0.01104 |
| *Vicia sativa* | 0.00902 |
| *Sonchus oleraceus* | 0.00769 |
| *Lamium amplexicaule* | 0.00742 |
| *Trifolium tomentosum* | 0.00674 |
| *Hordeum glaucum* | 0.00665 |
| *Hypochaeris glabra* | 0.00624 |
| *Stellaria media* | 0.00546 |
| *Astragalus boeticus* | 0.00513 |
| *Rumex occultans* | 0.00502 |
| *Maresia nana* | 0.00474 |
| *Crepis aspera* | 0.00433 |
| *Mercurialis annua* | 0.00418 |
| *Launaea fragilis* | 0.00411 |
| *Urtica urens* | 0.00356 |
| *Vulpia fasciculata* | 0.00329 |
| *Crucianella macrostachya* | 0.00296 |
| *Silene sp.* | 0.00288 |
| *Galium philistaeum* | 0.00261 |
| *Crucianella aegyptiaca* | 0.00249 |
| *Senecio leucanthemifolius* | 0.00232 |
| *Heterotheca subaxillaris* | 0.00214 |
| *Anchusa undulata* | 0.00190 |
| *Lactuca serriola* | 0.00166 |
| *Sonchus tenerrimus* | 0.00158 |
| *Tragopogon coelesyriacus* | 0.00150 |
| *Lathyrus hierosolymitanus* | 0.00142 |
| *Paronychia argentea* | 0.00142 |
| *Astragalus annularis* | 0.00142 |
| *Solanum villosum* | 0.00131 |
| *Geranium molle* | 0.00119 |
| *unknown* | 0.00119 |
| *Bromus madritensis* | 0.00119 |
| *Trifolium palaestinum* | 0.00115 |
| *Trifolium campestre* | 0.00107 |
| *Lolium rigidum* | 0.00071 |
| *Conyza sp.* | 0.00058 |
| *Aegilops sp.* | 0.00024 |
| *Brachypodium sp.* | 0.00024 |
| *Malva parviflora* | 0.00024 |
| *Astragalus palaestinus* | 0.00012 |
| *Vicia peregrina* | 0.00012 |
| *Trifolium philistaeum* | 0.00001 |
| *Veronica cymbalaria* | 0.00001 |

**Table S1.** Average cover, across all plots, of the recorded annual plant species