

## Supplementary material

**Table S1** Relative abundance (%) of perennial plants in four representative sandy sites within the action area. The species used for plantings are indicated with an asterisk. In each site, we analyzed the presence of perennial plants in 55-100 quadrats of 1 m<sup>2</sup> in (N = 355). Using occurrence data, we calculated the relative abundance of each species as the proportion of the total number of quadrats in which each species appeared. *Medicago marina* did not appear in the plots analyzed but was also found occasionally in foredunes and fixed dunes and was exceptionally included in the planting despite its low abundance.

Species	Plant Functional type	Site 1 (fixed dune) N = 100	Site 2 (fixed dune) N = 55	Site 3 (fixed dune) N = 100	Site 4 (foredune) N = 100
* <i>Achillea maritima</i>	Chamaephyte	0.6	1.9	13	30.0
* <i>Ammophila arenaria</i>	Geophyte	0.0	1.0	16	17.1
* <i>Armeria pungens</i>	Chamaephyte	15.4	0	0	0
* <i>Artemisia campestris</i> subsp. <i>maritima</i>	Chamaephyte	0.0	0	0.4	0.7
* <i>Crucianella maritima</i>	Chamaephyte	1.9	1.0	0	0
<i>Cyperus capitatus</i>	Chamaephyte	0.0	1.0	0.4	0.0
<i>Echium gaditanum</i>	Chamaephyte	1.3	1.0	4	0.0
<i>Elymus farctus</i>	Chamaephyte	3.2	11.5	8	7.9
* <i>Eryngium maritimum</i>	Chamaephyte	0	0	2	0.7
<i>Euphorbia</i> sp.	Chamaephyte	7.7	1.0	0	0
* <i>Euphorbia paralias</i>	Chamaephyte	0	0	1	15.7
* <i>Helichrysum italicum</i> subsp. <i>picardii</i>	Chamaephyte	40.4	46.2	0	0
<i>Juniperus macrocarpa</i>	Phanerophyte	0.6	0	0	0
<i>Juniperus phoenicea</i>	Phanerophyte	0.6	0	0	0
* <i>Lotus creticus</i>	Chamaephyte	16.7	5.8	0	14.3
* <i>Malcolmia littorea</i>	Chamaephyte	5.8	22.1	29	10.7
* <i>Medicago marina</i>	Chamaephyte	0	0	1	0
* <i>Pancratium maritimum</i>	Geophyte	4.5	2.9	2	0.7
<i>Paronychia argentea</i>	Chamaephyte	0.6	0	0	0.0
<i>Phagnalon saxatile</i>	Chamaephyte	0	1.0	0	0
<i>Reichardia tingitana</i>	Chamaephyte	0	3.8	1	0.0
<i>Retama monosperma</i>	Phanerophyte	0.6	0	2	0.0
<i>Silene nicaeensis</i>	Chamaephyte	0	0	20	2.1

**Table S2** Number of parent plants from which the seeds were collected and total number of plants used in planting. \*For *Pancratium maritimum*, the seeds were collected from the soil surface (the number of parent plants is unknown, but collection was done from up to 30-40 points –soil depressions- throughout the study area).

<b>Species</b>	<b>Habitat</b>	<b>Number of parent plants used during fruit and seed collection</b>	<b>Number of plants in planting</b>
<i>Achillea maritima</i>	Foredune	30	347
<i>Ammophila arenaria</i>	Foredune	60	2,250
<i>Armeria pungens</i>	Fixed dune	30	950
<i>Artemisia campestris</i> subsp. <i>maritima</i>	Fixed dune	30	20
<i>Crucianella maritima</i>	Fixed dune	20	650
<i>Eryngium maritimum</i>	Foredune	15	250
<i>Euphorbia paralias</i>	Foredune	10	400
<i>Helichrysum italicum</i> subsp. <i>picardii</i>	Fixed dune	10	1,280
<i>Lotus creticus</i>	Foredune	100	500
<i>Malcolmia littorea</i>	Fixed dune	70	850
<i>Medicago marina</i>	Foredune	100	142
<i>Pancratium maritimum</i>	Fixed dune	*	600