

**Table S1** - Dispersal strategy and life form of all the species involved in the study.

Species	Dispersal strategy	Explanation	Life form
<i>Anacamptis pyramidalis</i>	Epilobium type	mainly anemochory and autochory, less frequently endozoochory and epizoochory	Geophyte
<i>Carduus pycnocephalus</i>	Epilobium type	mainly anemochory and autochory, less frequently endozoochory and epizoochory	Hemicryptophyte
<i>Crataegus monogyna</i>	Cornus type	mainly autochory and endozoochory	Phanerophyte
<i>Crepis vesicaria</i>	Epilobium type	mainly anemochory and autochory, less frequently endozoochory and epizoochory	Hemicryptophyte
<i>Daucus carota</i>	Bidens type	mainly autochory and epizoochory, less frequently endozoochory	Hemicryptophyte
<i>Dittrichia viscosa</i>	Epilobium type	mainly anemochory and autochory, less frequently endozoochory and epizoochory	Hemicryptophyte
<i>Eryngium campestre</i>	Bidens type	mainly autochory and epizoochory, less frequently endozoochory	Hemicryptophyte
<i>Galatella linosyris</i>	Epilobium type	mainly anemochory and autochory, less frequently endozoochory and epizoochory	Hemicryptophyte
<i>Lactuca serriola</i>	Epilobium type	mainly anemochory and autochory, less frequently endozoochory and epizoochory	Hemicryptophyte
<i>Ligustrum vulgare</i>	Cornus type	mainly autochory and endozoochory	Nanophanerophyte
<i>Picris hieracioides</i>	Epilobium type	mainly anemochory and autochory, less frequently endozoochory and epizoochory	Hemicryptophyte
<i>Prunus spinosa</i>	Cornus type	mainly autochory and endozoochory	Phanerophyte
<i>Rosa canina</i>	Cornus type	mainly autochory and endozoochory	Nanophanerophyte
<i>Rubus ulmifolius</i>	Cornus type	mainly autochory and endozoochory	Nanophanerophyte
<i>Sonchus asper</i>	Epilobium type	mainly anemochory and autochory, less frequently endozoochory and epizoochory	Hemicryptophyte
<i>Sonchus oleraceus</i>	Epilobium type	mainly anemochory and autochory, less frequently endozoochory and epizoochory	Hemicryptophyte
<i>Tragopogon porrifolius</i>	Epilobium type	mainly anemochory and autochory, less frequently endozoochory and epizoochory	Hemicryptophyte
<i>Tragopogon samaritanii</i>	Epilobium type	mainly anemochory and autochory, less frequently endozoochory and epizoochory	Hemicryptophyte
<i>Ulmus minor</i>	Epilobium type	mainly anemochory and autochory, less frequently endozoochory and epizoochory	Phanerophyte
<i>Crepis capillaris</i>	Epilobium type	mainly anemochory and autochory, less frequently endozoochory and epizoochory	Therophyte
<i>Crepis pulchra</i>	Epilobium type	mainly anemochory and autochory, less frequently endozoochory and epizoochory	Therophyte
<i>Filago pyramidata</i>	Epilobium type	mainly anemochory and autochory, less frequently endozoochory and epizoochory	Therophyte
<i>Hordeum marinum</i>	Bidens type	mainly autochory and epizoochory, less frequently endozoochory	Therophyte
<i>Hypochoeris achyrophorus</i>	Epilobium type	mainly anemochory and autochory, less frequently endozoochory and epizoochory	Therophyte
<i>Medicago minima</i>	Bidens type	mainly autochory and epizoochory, less frequently endozoochory	Therophyte
<i>Medicago polymorpha</i>	Bidens type	mainly autochory and epizoochory, less frequently endozoochory	Therophyte
<i>Scorpiurus muricatus</i>	Bidens type	mainly autochory and epizoochory, less frequently endozoochory	Therophyte
<i>Torilis nodosa</i>	Bidens type	mainly autochory and epizoochory, less frequently endozoochory	Therophyte
<i>Artemisia caerulescens</i> subsp. <i>cretacea</i>	Allium type	mainly autochory, less frequently anemochory, endozoochory and epizoochory	Chamaephyte
<i>Brachypodium rupestre</i>	Allium type	mainly autochory, less frequently anemochory, endozoochory and epizoochory	Hemicryptophyte
<i>Bromopsis erecta</i>	Allium type	mainly autochory, less frequently anemochory, endozoochory and epizoochory	Hemicryptophyte
<i>Carex flacca</i>	Allium type	mainly autochory, less frequently anemochory, endozoochory and epizoochory	Geophyte
<i>Centaurea jacea</i>	Allium type	mainly autochory, less frequently anemochory, endozoochory and epizoochory	Hemicryptophyte
<i>Centaurium erythraea</i>	Allium type	mainly autochory, less frequently anemochory, endozoochory and epizoochory	Hemicryptophyte
<i>Convolvulus arvensis</i>	Allium type	mainly autochory, less frequently anemochory, endozoochory and epizoochory	Geophyte
<i>Dactylis glomerata</i>	Allium type	mainly autochory, less frequently anemochory, endozoochory and epizoochory	Hemicryptophyte
<i>Elymus repens</i>	Allium type	mainly autochory, less frequently anemochory, endozoochory and epizoochory	Geophyte
<i>Gladiolus byzantinus</i>	Allium type	mainly autochory, less frequently anemochory, endozoochory and epizoochory	Geophyte
<i>Gladiolus italicus</i>	Allium type	mainly autochory, less frequently anemochory, endozoochory and epizoochory	Geophyte
<i>Hippocrepis comosa</i>	Allium type	mainly autochory, less frequently anemochory, endozoochory and epizoochory	Hemicryptophyte
<i>Hypericum perforatum</i>	Allium type	mainly autochory, less frequently anemochory, endozoochory and epizoochory	Hemicryptophyte
<i>Leucanthemum vulgare</i>	Allium type	mainly autochory, less frequently anemochory, endozoochory and epizoochory	Hemicryptophyte
<i>Lolium arundinaceum</i>	Allium type	mainly autochory, less frequently anemochory, endozoochory and epizoochory	Hemicryptophyte

<i>Lolium multiflorum</i>	Allium type	mainly autochory, less frequently anemochory, endozoochory and epizoochory	Hemicryptophyte
<i>Lolium pratense</i>	Allium type	mainly autochory, less frequently anemochory, endozoochory and epizoochory	Hemicryptophyte
<i>Loncomelos narbonense</i>	Allium type	mainly autochory, less frequently anemochory, endozoochory and epizoochory	Geophyte
<i>Lotus dorycnium</i>	Allium type	mainly autochory, less frequently anemochory, endozoochory and epizoochory	Chamaephyte
<i>Lotus herbaceus</i>	Allium type	mainly autochory, less frequently anemochory, endozoochory and epizoochory	Chamaephyte
<i>Malope malacoides</i>	Allium type	mainly autochory, less frequently anemochory, endozoochory and epizoochory	Chamaephyte
<i>Muscari comosum</i>	Allium type	mainly autochory, less frequently anemochory, endozoochory and epizoochory	Geophyte
<i>Oenanthe pimpinelloides</i>	Allium type	mainly autochory, less frequently anemochory, endozoochory and epizoochory	Hemicryptophyte
<i>Pallenis spinosa</i>	Allium type	mainly autochory, less frequently anemochory, endozoochory and epizoochory	Hemicryptophyte
<i>Phalaris aquatica</i>	Allium type	mainly autochory, less frequently anemochory, endozoochory and epizoochory	Hemicryptophyte
<i>Phalaris coerulescens</i>	Allium type	mainly autochory, less frequently anemochory, endozoochory and epizoochory	Hemicryptophyte
<i>Phleum pratense</i>	Allium type	mainly autochory, less frequently anemochory, endozoochory and epizoochory	Hemicryptophyte
<i>Plantago lanceolata</i>	Allium type	mainly autochory, less frequently anemochory, endozoochory and epizoochory	Hemicryptophyte
<i>Plantago maritima</i>	Allium type	mainly autochory, less frequently anemochory, endozoochory and epizoochory	Hemicryptophyte
<i>Poa bulbosa</i>	Allium type	mainly autochory, less frequently anemochory, endozoochory and epizoochory	Hemicryptophyte
<i>Poa compressa</i>	Allium type	mainly autochory, less frequently anemochory, endozoochory and epizoochory	Hemicryptophyte
<i>Poa sylvicola</i>	Allium type	mainly autochory, less frequently anemochory, endozoochory and epizoochory	Hemicryptophyte
<i>Poa trivialis</i>	Allium type	mainly autochory, less frequently anemochory, endozoochory and epizoochory	Hemicryptophyte
<i>Potentilla hirta</i>	Allium type	mainly autochory, less frequently anemochory, endozoochory and epizoochory	Hemicryptophyte
<i>Salvia verbenaca</i>	Allium type	mainly autochory, less frequently anemochory, endozoochory and epizoochory	Hemicryptophyte
<i>Scabiosa columbaria</i>	Allium type	mainly autochory, less frequently anemochory, endozoochory and epizoochory	Hemicryptophyte
<i>Sixalix atropurpurea</i>	Allium type	mainly autochory, less frequently anemochory, endozoochory and epizoochory	Hemicryptophyte
<i>Spartium junceum</i>	Allium type	mainly autochory, less frequently anemochory, endozoochory and epizoochory	Phanerophyte
<i>Sulla coronaria</i>	Allium type	mainly autochory, less frequently anemochory, endozoochory and epizoochory	Hemicryptophyte
<i>Thinopyrum acutum</i>	Allium type	mainly autochory, less frequently anemochory, endozoochory and epizoochory	Hemicryptophyte
<i>Trifolium ochroleucum</i>	Allium type	mainly autochory, less frequently anemochory, endozoochory and epizoochory	Hemicryptophyte
<i>Vicia cfr. cracca</i>	Allium type	mainly autochory, less frequently anemochory, endozoochory and epizoochory	Hemicryptophyte
<i>Vicia villosa</i>	Allium type	mainly autochory, less frequently anemochory, endozoochory and epizoochory	Hemicryptophyte
<i>Anisantha diandra</i>	Allium type	mainly autochory, less frequently anemochory, endozoochory and epizoochory	Therophyte
<i>Anisantha madritensis</i>	Allium type	mainly autochory, less frequently anemochory, endozoochory and epizoochory	Therophyte
<i>Anisantha sterilis</i>	Allium type	mainly autochory, less frequently anemochory, endozoochory and epizoochory	Therophyte
<i>Avena barbata</i>	Allium type	mainly autochory, less frequently anemochory, endozoochory and epizoochory	Therophyte
<i>Avena sterilis</i>	Allium type	mainly autochory, less frequently anemochory, endozoochory and epizoochory	Therophyte
<i>Bellardia trixago</i>	Allium type	mainly autochory, less frequently anemochory, endozoochory and epizoochory	Therophyte
<i>Blackstonia perfoliata</i>	Allium type	mainly autochory, less frequently anemochory, endozoochory and epizoochory	Therophyte
<i>Brachypodium distachyon</i>	Allium type	mainly autochory, less frequently anemochory, endozoochory and epizoochory	Therophyte
<i>Bromus cfr. squarrosus</i>	Allium type	mainly autochory, less frequently anemochory, endozoochory and epizoochory	Therophyte
<i>Bromus hordeaceus</i>	Allium type	mainly autochory, less frequently anemochory, endozoochory and epizoochory	Therophyte
<i>Bromus racemosus</i>	Allium type	mainly autochory, less frequently anemochory, endozoochory and epizoochory	Therophyte
<i>Bupleurum baldense</i>	Allium type	mainly autochory, less frequently anemochory, endozoochory and epizoochory	Therophyte
<i>Catapodium rigidum</i>	Allium type	mainly autochory, less frequently anemochory, endozoochory and epizoochory	Therophyte
<i>Centaurium pulchellum</i>	Allium type	mainly autochory, less frequently anemochory, endozoochory and epizoochory	Therophyte
<i>Centaurium tenuiflorum</i>	Allium type	mainly autochory, less frequently anemochory, endozoochory and epizoochory	Therophyte
<i>Cerastium glomeratum</i>	Allium type	mainly autochory, less frequently anemochory, endozoochory and epizoochory	Therophyte
<i>Coronilla scorpioides</i>	Allium type	mainly autochory, less frequently anemochory, endozoochory and epizoochory	Therophyte

<i>Ervum gracile</i>	Allium type	mainly autochory, less frequently anemochory, endozoochory and epizoochory	Therophyte
<i>Ervum tetraspermum</i>	Allium type	mainly autochory, less frequently anemochory, endozoochory and epizoochory	Therophyte
<i>Euphorbia exigua</i>	Allium type	mainly autochory, less frequently anemochory, endozoochory and epizoochory	Therophyte
<i>Euphorbia falcata</i>	Allium type	mainly autochory, less frequently anemochory, endozoochory and epizoochory	Therophyte
<i>Festuca danthonii</i>	Allium type	mainly autochory, less frequently anemochory, endozoochory and epizoochory	Therophyte
<i>Gastridium ventricosum</i>	Allium type	mainly autochory, less frequently anemochory, endozoochory and epizoochory	Therophyte
<i>Gaudinia fragilis</i>	Allium type	mainly autochory, less frequently anemochory, endozoochory and epizoochory	Therophyte
<i>Geranium columbinum</i>	Allium type	mainly autochory, less frequently anemochory, endozoochory and epizoochory	Therophyte
<i>Geranium dissectum</i>	Allium type	mainly autochory, less frequently anemochory, endozoochory and epizoochory	Therophyte
<i>Hippocrepis biflora</i>	Allium type	mainly autochory, less frequently anemochory, endozoochory and epizoochory	Therophyte
<i>Knautia integrifolia</i>	Allium type	mainly autochory, less frequently anemochory, endozoochory and epizoochory	Therophyte
<i>Lathyrus aphaca</i>	Allium type	mainly autochory, less frequently anemochory, endozoochory and epizoochory	Therophyte
<i>Lathyrus</i> cfr. <i>sphaericus</i>	Allium type	mainly autochory, less frequently anemochory, endozoochory and epizoochory	Therophyte
<i>Lathyrus hirsutus</i>	Allium type	mainly autochory, less frequently anemochory, endozoochory and epizoochory	Therophyte
<i>Linum strictum</i>	Allium type	mainly autochory, less frequently anemochory, endozoochory and epizoochory	Therophyte
<i>Lysimachia arvensis</i>	Allium type	mainly autochory, less frequently anemochory, endozoochory and epizoochory	Therophyte
<i>Parapholis incurva</i>	Allium type	mainly autochory, less frequently anemochory, endozoochory and epizoochory	Therophyte
<i>Parapholis strigosa</i>	Allium type	mainly autochory, less frequently anemochory, endozoochory and epizoochory	Therophyte
<i>Polygala monspeliaca</i>	Allium type	mainly autochory, less frequently anemochory, endozoochory and epizoochory	Therophyte
<i>Rapistrum rugosum</i>	Allium type	mainly autochory, less frequently anemochory, endozoochory and epizoochory	Therophyte
<i>Sherardia arvensis</i>	Allium type	mainly autochory, less frequently anemochory, endozoochory and epizoochory	Therophyte
<i>Stachys romana</i>	Allium type	mainly autochory, less frequently anemochory, endozoochory and epizoochory	Therophyte
<i>Tordylium apulum</i>	Allium type	mainly autochory, less frequently anemochory, endozoochory and epizoochory	Therophyte
<i>Trifolium angustifolium</i>	Allium type	mainly autochory, less frequently anemochory, endozoochory and epizoochory	Therophyte
<i>Trifolium campestre</i>	Allium type	mainly autochory, less frequently anemochory, endozoochory and epizoochory	Therophyte
<i>Trifolium</i> cfr. <i>lappaceum</i>	Allium type	mainly autochory, less frequently anemochory, endozoochory and epizoochory	Therophyte
<i>Trifolium echinatum</i>	Allium type	mainly autochory, less frequently anemochory, endozoochory and epizoochory	Therophyte
<i>Trifolium scabrum</i>	Allium type	mainly autochory, less frequently anemochory, endozoochory and epizoochory	Therophyte
<i>Trifolium stellatum</i>	Allium type	mainly autochory, less frequently anemochory, endozoochory and epizoochory	Therophyte
<i>Trigonella sulcata</i>	Allium type	mainly autochory, less frequently anemochory, endozoochory and epizoochory	Therophyte
<i>Triticum vagans</i>	Allium type	mainly autochory, less frequently anemochory, endozoochory and epizoochory	Therophyte
<i>Valerianella eriocarpa</i>	Allium type	mainly autochory, less frequently anemochory, endozoochory and epizoochory	Therophyte
<i>Veronica arvensis</i>	Allium type	mainly autochory, less frequently anemochory, endozoochory and epizoochory	Therophyte
<i>Veronica polita</i>	Allium type	mainly autochory, less frequently anemochory, endozoochory and epizoochory	Therophyte
<i>Vicia hybrida</i>	Allium type	mainly autochory, less frequently anemochory, endozoochory and epizoochory	Therophyte
<i>Vicia pseudocracca</i>	Allium type	mainly autochory, less frequently anemochory, endozoochory and epizoochory	Therophyte
<i>Vicia sativa</i>	Allium type	mainly autochory, less frequently anemochory, endozoochory and epizoochory	Therophyte
<i>Xeranthemum cylindraceum</i>	Allium type	mainly autochory, less frequently anemochory, endozoochory and epizoochory	Therophyte



