





Table S2. Associations of *Salicornietalia fruticosae*A, *Salicornietum fruticosae*; B, *Agropyro elongati-Inuletum longifoliae*; C, *Sarcocornietum alpini*; D, *Arthrocnemetum macrostachyi*

| Surfaces (m <sup>2</sup> )   | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 80 | 100 |
|--|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|-----|
| Cover (%)  | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 90 | 100 |
| Association  | A   | A   | A   | A   | A   | A   | A   | A   | A   | A   | A   | A   | A   | A   | B   | B   | B   | C   | C   | C  | D   |
| Relevé number  | 1   | 2   | 3   | 4   | 5   | 6   | 7   | 8   | 9   | 10  | 11  | 12  | 13  | 14  | 15  | 16  | 17  | 18  | 19  | 20 | 21  |
| Char. Association and Alliances  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |     |
| <i>Limonium bellidifolium</i> (Gouan) Dumort.  | 2   | 2   | 3   | 2   | 2   | 1   | 3   | 2   | 2   | 1   | 1   | +   | 2   | 1   | 1   | +   | +   | .   | .   | 1  | .   |
| <i>Puccinellia festuciformis</i> (Host) Parl. subsp. <i>festuciformis</i>                    | 3   | 3   | 2   | 2   | 3   | 1   | .   | 1   | 2   | 2   | 2   | 1   | 2   | 1   | 2   | 2   | 3   | 1   | +   | .  | .   |
| <i>Thinopyrum elongatum</i> (Host) D.R.Dewey   | .   | .   | .   | .   | .   | .   | .   | .   | .   | .   | .   | .   | .   | .   | 3   | 4   | 3   | .   | .   | .  | .   |
| <i>Limbarda crithmoides</i> (L.) Dumort. subsp. <i>longifolia</i> (Arcang.) Greuter          | 1   | 2   | +   | 1   | 2   | 1   | .   | .   | 1   | +   | .   | 1   | .   | .   | 3   | 3   | 3   | .   | .   | .  | .   |
| <i>Sarcocornia alpini</i> (Lag.) Rivas Mart.   | 1   | 1   | 1   | 1   | 1   | 1   | .   | .   | .   | .   | .   | .   | .   | .   | .   | .   | .   | 4   | 4   | 4  | .   |
| <i>Arthrocnemum macrostachyum</i> (Moric.) K.Koch  | 1   | +   | 1   | .   | 1   | .   | 1   | 1   | +   | .   | .   | 1   | 1   | +   | .   | .   | 1   | .   | 1   | +  | 5   |
| <i>Sphenopus divaricatus</i> (Gouan) Rchb.   | .   | .   | .   | .   | .   | .   | .   | .   | .   | .   | .   | .   | .   | .   | .   | .   | .   | .   | .   | .  | +   |
| Char. Order ( <i>Salicornietalia</i> )   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |     |
| <i>Sarcocornia fruticosa</i> (L.) A.J.Scott  | 3   | 3   | 4   | 5   | 4   | 5   | 5   | 5   | 4   | 5   | 4   | 3   | 5   | 5   | 2   | 1   | 2   | 2   | 1   | +  | 1   |
| <i>Aeluropus littoralis</i> (Gouan) Parl.  | 1   | +   | 1   | .   | .   | .   | .   | 2   | +   | 1   | .   | .   | .   | .   | +   | .   | .   | .   | .   | .  | .   |
| <i>Triglochin barrelieri</i> Loisel.   | .   | +   | .   | .   | +   | .   | .   | +   | +   | .   | .   | +   | .   | .   | .   | +   | .   | .   | .   | .  | .   |
| <i>Puccinellia festuciformis</i> (Host) Parl. subsp. <i>lagascana</i> M.A.Juliá & J.M.Monts. | .   | .   | .   | .   | .   | .   | .   | .   | 1   | +   | .   | +   | .   | .   | .   | .   | .   | .   | .   | +  | .   |
| <i>Juncus subulatus</i> Forssk.  | .   | .   | .   | .   | .   | .   | .   | .   | .   | .   | .   | .   | .   | .   | .   | .   | .   | .   | .   | .  | 2   |
| Char. Cl. ( <i>Salicornietea fruticosae</i> )  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |     |
| <i>Limonium narbonense</i> Mill.   | 2   | 2   | 2   | 2   | 1   | 2   | 1   | 2   | 1   | 1   | +   | 1   | .   | .   | 1   | +   | +   | .   | +   | .  | +   |
| <i>Spergularia maritima</i> (All.) Chiov.  | +   | +   | 1   | +   | 1   | +   | +   | 1   | 1   | .   | +   | +   | .   | .   | 1   | +   | +   | .   | .   | .  | .   |
| <i>Halimione portulacoides</i> (L.) Aellen   | 2   | 2   | 1   | 1   | 1   | .   | 1   | 1   | .   | .   | .   | .   | 1   | 2   | 2   | 1   | 1   | .   | .   | 2  | .   |
| <i>Limonium girardianum</i> (Guss.) Fourr.   | 2   | 1   | 2   | 1   | 2   | +   | .   | .   | 2   | 1   | 3   | 2   | .   | .   | 2   | .   | 1   | .   | .   | .  | .   |
| <i>Limonium cuspidatum</i> (Billot) Erben  | 1   | +   | +   | .   | .   | .   | .   | .   | .   | .   | .   | .   | .   | .   | .   | +   | .   | .   | .   | .  | .   |
| <i>Limoniastrum monopetalum</i> (L.) Boiss.  | +   | .   | +   | .   | .   | .   | .   | .   | .   | .   | .   | .   | .   | .   | .   | +   | +   | .   | .   | .  | .   |
| <i>Artemisia gallica</i> Willd.  | .   | .   | .   | .   | .   | .   | .   | 2   | .   | .   | .   | .   | .   | .   | .   | .   | .   | .   | .   | .  | .   |
| Others species   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |     |
| <i>Parapholis filiformis</i> (Roth) C.E.Hubb.  | 1   | +   | +   | .   | .   | .   | .   | .   | .   | .   | .   | .   | .   | .   | 2   | 2   | 2   | .   | .   | .  | .   |
| <i>Juncus maritimus</i> Lam.   | .   | .   | 1   | .   | .   | .   | .   | .   | +   | .   | .   | .   | .   | .   | .   | .   | .   | .   | .   | .  | .   |
| <i>Suaeda spicata</i> (Willd.) Moq.  | .   | .   | .   | .   | .   | .   | .   | .   | .   | .   | .   | .   | .   | .   | .   | .   | .   | .   | .   | 3  | .   |
| <i>Salicornia emerici</i> Duval-Jouve  | .   | .   | .   | .   | .   | .   | .   | .   | .   | .   | .   | .   | .   | .   | .   | .   | .   | .   | .   | +  | .   |

Localities: All from France. 1-3: Gruissan, 2-7-1991; 4-6: Gruissan Les Salines, 2-7-1991; 7-8: Gruissan Les Salines, 2-7-1991; 9-12: Port La Nouvelle, 2-7-1991; 13-14: Port La Nouvelle, 5-7-1991; 15-17: Gruissan, 2-7-1991; 18-19: Gruissan, 2-7-1991; 20: Golf de Lion, Kuhnholz-Lordat 1923, Tab. p. 128; 21: Gruissan, 2-7-1991.