

**Table S1.** Species composition under the different grazing intensities during the two experimental years

	Species	Family	Life form	2019			2020		
				LG	MG	HG	LG	MG	HG
1	<i>Corispermum macrocarpum</i>	Chenopodiaceae	A-F	+	+	+	+	+	+
2	<i>Setaria viridis</i>	Gramineae	A-G	+	+	+	+	+	+
3	<i>Salsola collina</i>	Chenopodiaceae	A-F	+	+	+	+	+	+
4	<i>Bassia dasyphylla</i>	Chenopodiaceae	A-F	+	+	+	+	+	+
5	<i>Chenopodium glaucum</i>	Chenopodiaceae	A-F	+	+	+	+	+	+
6	<i>Euphobia humifusa</i>	Vitaceae	A-F	+	+	+	+	+	+
7	<i>Tribulus terrestris</i>	Zygophyllaceae	A-F	+	+	+	+	+	+
8	<i>Ixeris polycephala</i>	Compositae	A-F	+	+	-	+	+	+
9	<i>Echinops gmelinii</i>	Compositae	A-F	+	+	-	+	+	-
10	<i>Digitaria ciliaris</i>	Gramineae	A-G	-	+	-	+	+	+
11	<i>Agriophyllum squarrosum</i>	Chenopodiaceae	A-F	-	-	-	+	+	+
12	<i>Eragrostis pilosa</i>	Gramineae	A-G	-	+	-	-	+	+
13	<i>Artemisia sieversiana</i>	Compositae	A-F	-	+	-	+	-	-
14	<i>Artemisia scoparia</i>	Compositae	A-F	-	+	-	+	-	-
15	<i>Tragus mongolorum</i>	Gramineae	A-G	-	+	-	-	+	-
16	<i>Aristida adscensionis</i>	Gramineae	A-G	-	+	-	-	-	-

Note: A-F: annual forb; A-G: annual grass. + means that the species present in the habitats; - means that the species does not appear in the habitats.