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Supplementary Material

Relative contribution of photorespiration and antioxidative mechanisms in *Caragana korshinskii* under drought conditions across the Loess Plateau

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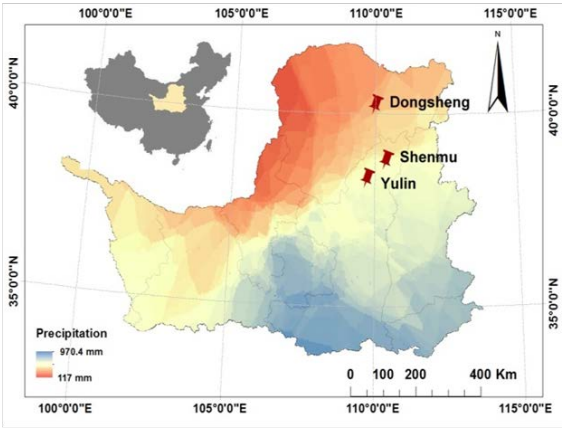
(*a*)



(*b*)

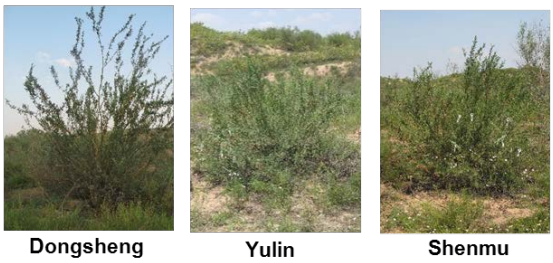


Fig. S1. Location of the experimental sites (*a*) and from plants of the *C. korshinskii* (*b*) at the different sites across the Loess Plateau.

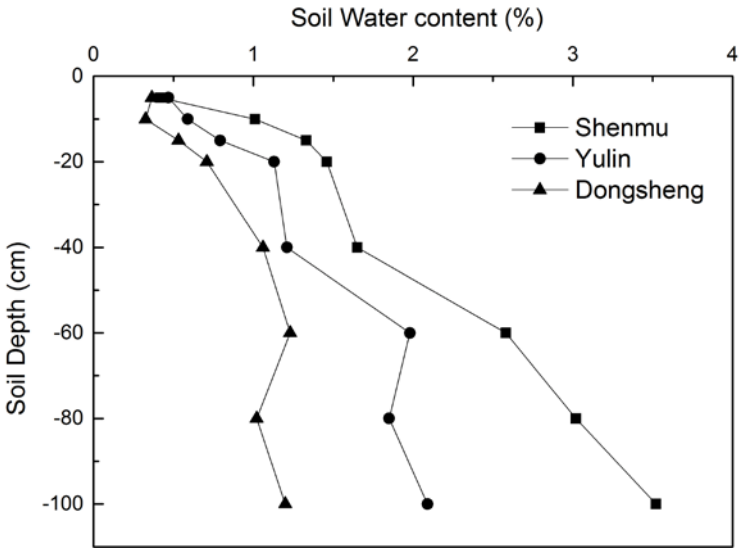


Fig. S2. Soil water content at the different sites across the Loess Plateau.

Table S1. Information about qRT-PCR primers used in this study

Primers' name	Sequences (5'-3')	Primers' name	Sequences (5'-3')
CkRubisco-F	CATATGCCCGCTCTGACCGAGA	CkRubisco-R	ACGTCCCTCATTCCGAGCTTGT
CkGO-F	TGCTGATGGTGAGGCTGGTGTA	CkGO-R	GGAGAGCAAGCTGGAGTCCTGT
CkGDC-F	GAAGCCACAGTGAGATTCAAGATG	CkGDC-R	CCTTCATTGGCTTTTCCTCG
CkGGAT-F	GAGTGGGTATTGTGGGACTGGA	CkGGAT-R	CCTCGGGTGGTTTAGGTGCT
CkSGAT1-F	TTGTTCCTCCTTACATTGATAGTGC	CkSGAT1-R	AGTTTGGCAATCAACATTACCTCA
CkSGAT2-F	GTGGGAAAAGCCAAGAATTGC	CkSGAT2-R	ACGGTAGTCCTCATTGTTTCTGC
CkSHMT1-F	GATGGTTCTCAGTTCCTCCAGTG	CkSHMT1-R	GCGGTCTTCCCGTCACTTC
CkSHMT2-F	CTGCAGGTGTCATTCCGTCTC	CkSHMT2-R	ACAGCCTGATTTATTTTGTCTTCG
CkCAT-F	ATATCGTTCCTGGGCACCTG	CkCAT-R	GCCCTTATTCATCCAACATCTAC
CkSOD-F	CTCCTTCCCATCGCCTACTTC	CkSOD-R	CAGCCATTTGTGGTGTCCC
CkGR-F	GCTCCCTTTCTCCACCATCTC	CkGR-R	GGCTCGCTGTCATATCTCCAT
CkAPX-F	CGGAACCATCAAGCACCAA	CkAPX-R	GTGACCTCAACGGCAACGA
CkUb-F	GACTTTGACCGGGAAGACCA	CkUb-R	CACCACGAAGACGGAGCACA