

SUPPLEMENTARY APPENDIX

This appendix has been provided by the authors to give readers additional information about their work.

Supplement to:

***Caragana korshinskii* phenylalanine ammonialyase is up-regulated in the phenylpropanoid biosynthesis pathway in response to drought stress**

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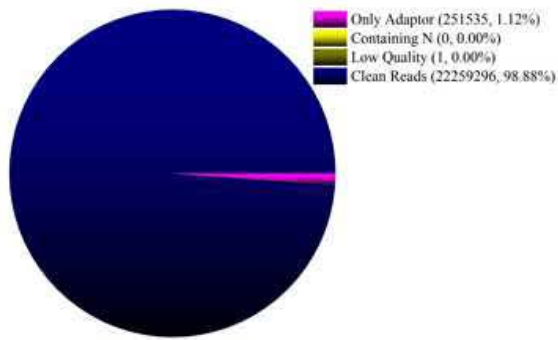
Biotechnol. Biotechnol. Equip. 2019, **33**

Supplemental data

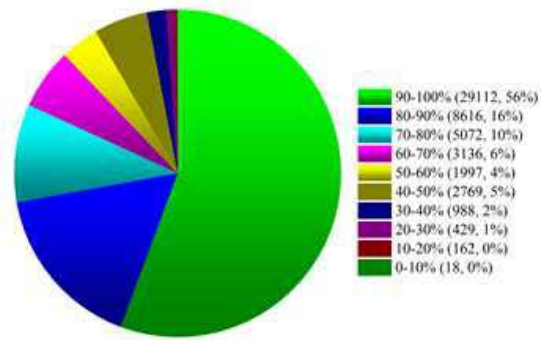
Table S1. Sequence and length of primers for selected genes used in quantitative polymerase chain reaction (qPCR).

Serial No.	Primer	Primer sequence(5'-3')	Amplicon length (bp)	Unigene No.
1	E13G-F	ATTTGAGGTTGTCGTTGGGGA	185	Unigene0046190
	E13G-R	ATCAGTGGGCGTTTGTATGG		
2	LOX21-F	AAATACCTTGATTCTGGGGTTGC	193	Unigene0014436
	LOX21-R	GGTTTCTGCGACAAACCTAACC		
3	LEC2-F	CTTCGTCTTCAGTGACTTCGCA	249	Unigene0045877
	LEC2-R	CCATCGCCTTTTTCGTTTG		
4	UPTG-F	CCTGCAGCAGCACATTAAGAAC	130	Unigene0007522
	UPTG-R	TGGGACACCCTCACGAAGACTA		
5	PROD2-F	GCCTTTAACTCCGTTCACTACT	244	Unigene0026627
	PROD2-R	ACCTCATGACCCACATTCCG		
6	PAL-F	GGAGAAAAGGTCATATCACCAGG	214	Unigene0024689
	PAL-R	TGCCATAGGCTTTCAGACAAAC		

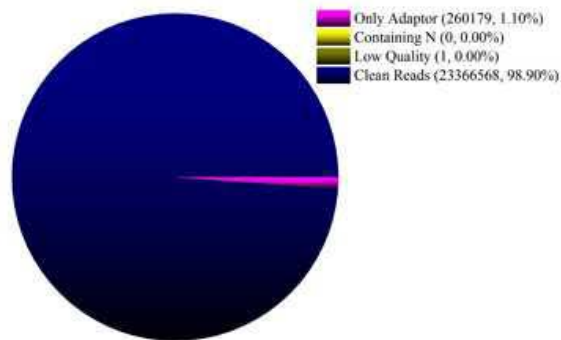
Classification of Raw Reads (HuL)



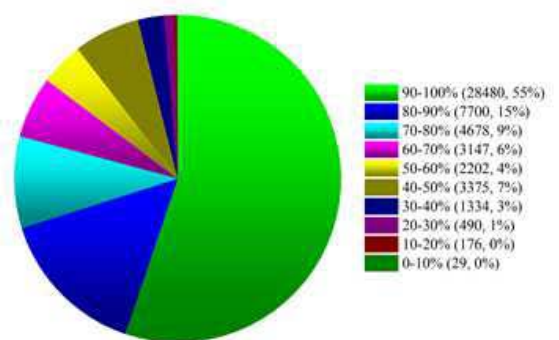
Distribution of Genes' Coverage (HuL)



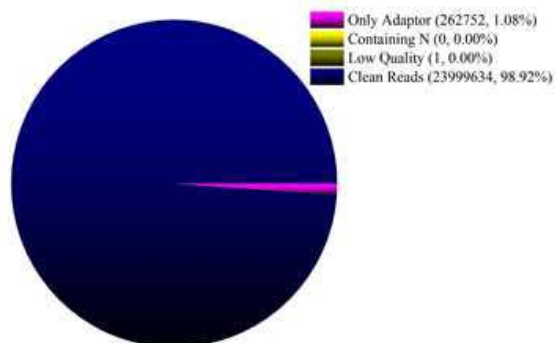
Classification of Raw Reads (YuL)



Distribution of Genes' Coverage (YuL)



Classification of Raw Reads (DaB)



Distribution of Genes' Coverage (DaB)

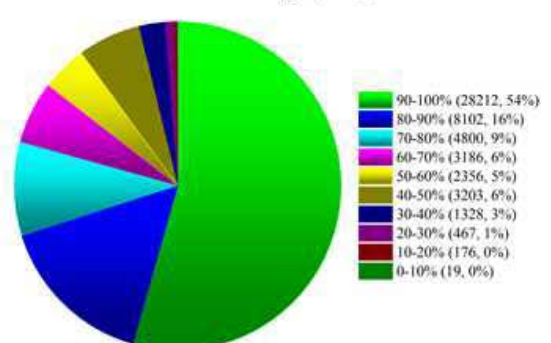


Figure S1. Distribution of gene coverage in RNA-sequence libraries constructed from *Caragana korshinskii* leaf samples collected from three sites (Huangling, Yulin and Dalad Banner) along a precipitation gradient on the Loess Plateau. HuL, Huangling; YuL, Yulin; DaB, Dalad Banner.

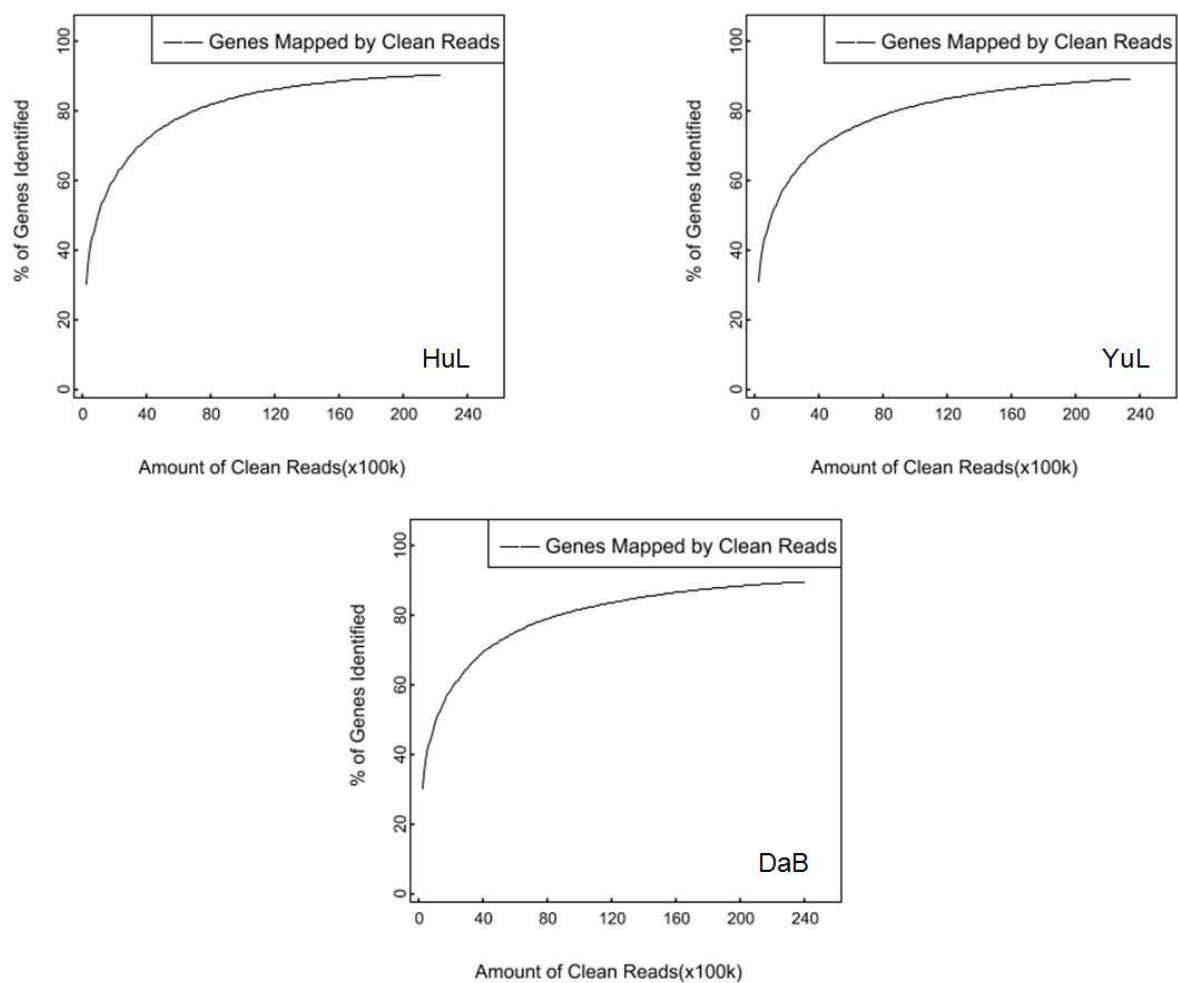


Figure S2. Sequencing data saturation in three *de novo* libraries constructed from *Caragana korshinskii* leaf samples collected from three sites (Huangling, Yulin and Dalad Banner) along a precipitation gradient on the Loess Plateau. HuL, Huangling; YuL, Yulin; DaB, Dalad Banner.

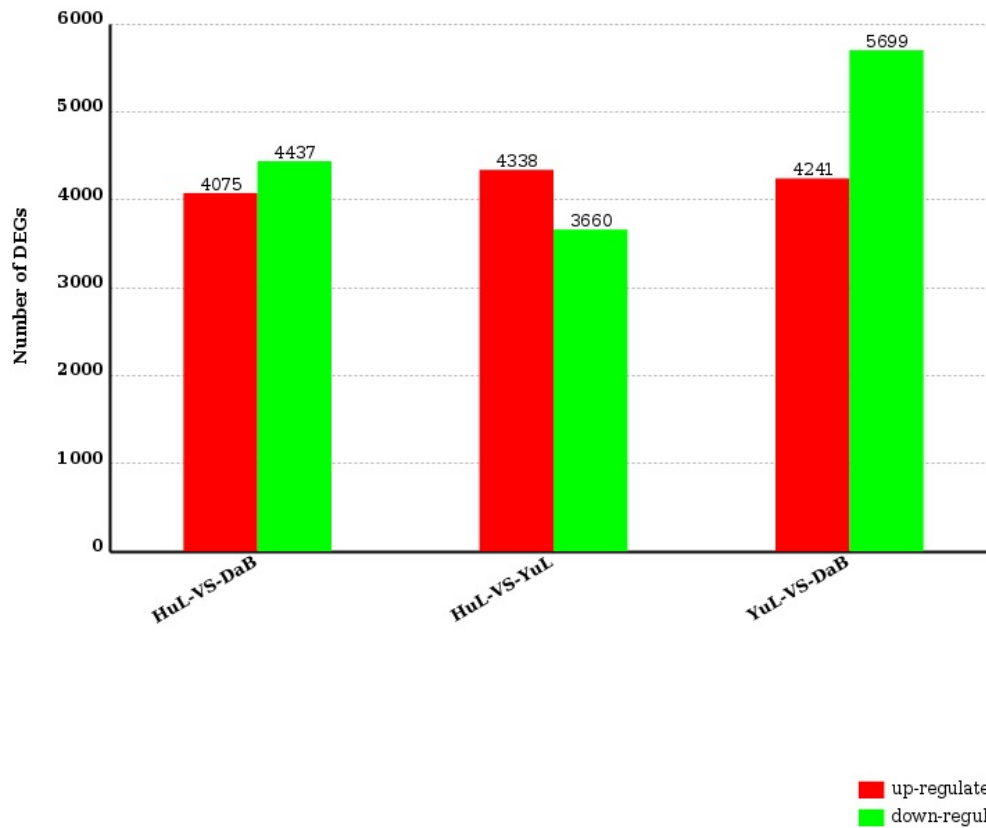


Figure S3. Expressed genes with significant up-regulation (in red) or down-regulation (in green) in RNA-sequence libraries constructed from *Caragana korshinskii* leaf samples collected from three sites (Huangling, Yulin and Dalad Banner) along a precipitation gradient on the Loess Plateau. HuL, Huangling; YuL, Yulin; DaB, Dalad Banner.

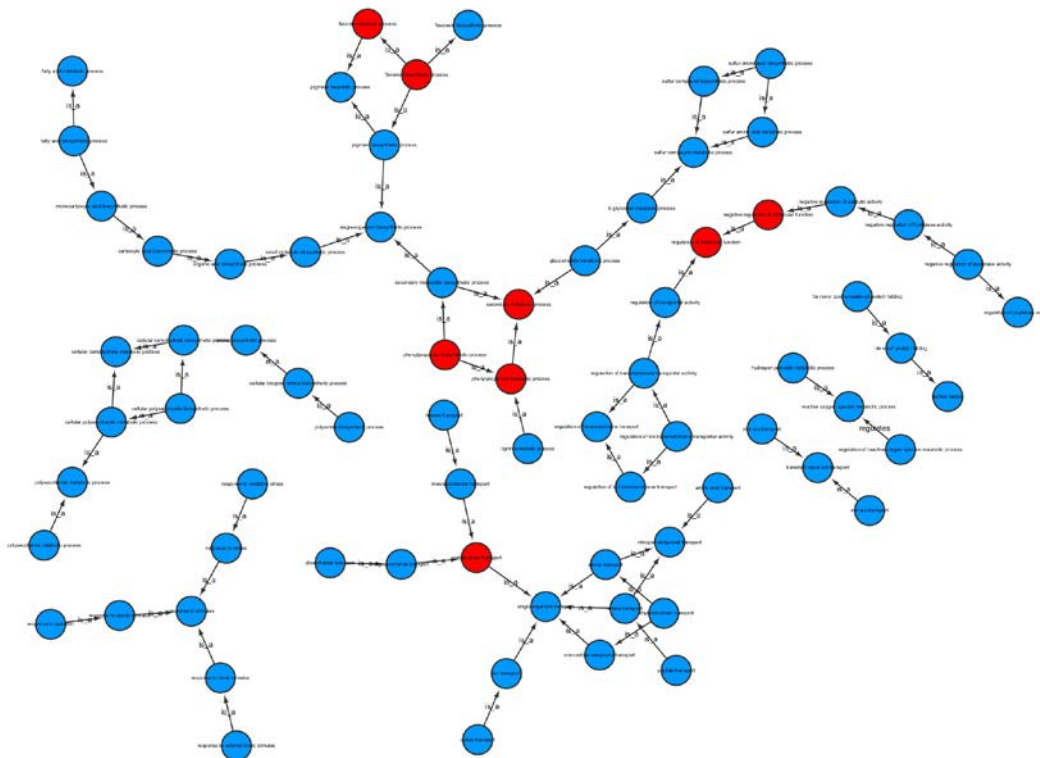


Figure S4. Major drought-related gene ontology (GO) terms (false discovery rate ≤ 0.5) of interactions and relationships in different trend profiles.