

Supplementary Table S3 One-way ANOVA test results of leaf transpiration rate (Tr_{mmol} , mmol m⁻²s⁻¹) of upper layer, middle layer, and lower layer in different water stress. The data was presented in the form of mean \pm standard error, significant differences were indicated by different letters in the same column.

Time	Water stress	Upper layer	Middle layer	Lower layer
Day 1	Normal water supply	3.882575 \pm 0.708943a	4.41205 \pm 0.521864a	5.970026 \pm 0.764144a
	Mild stress	2.659162 \pm 0.855781b	4.947039 \pm 1.367637ab	3.702979 \pm 1.516549b
	Moderate stress	3.357001 \pm 0.955045b	1.707184 \pm 1.546845c	2.016168 \pm 1.665481bc
	Heavy stress	1.404665 \pm 1.332048c	0.888815 \pm 0.336749c	0.909964 \pm 0.220956c
Day 7	Normal water supply	5.347896 \pm 1.037133a	8.65574 \pm 0.63643a	8.353969 \pm 1.222102a
	Mild stress	1.573477 \pm 0.583666b	2.883692 \pm 0.690048b	5.085208 \pm 1.660906b
	Moderate stress	0.661437 \pm 0.284158b	1.458686 \pm 0.395011c	1.551545 \pm 0.47444c
	Heavy stress	0.469928 \pm 0.182472b	0.400963 \pm 0.25801c	0.686836 \pm 0.313027c
Day 13	Normal water supply	3.422792 \pm 0.44189a	3.136463 \pm 1.917986ab	4.126266 \pm 1.252333a
	Mild stress	2.08572 \pm 0.448948b	4.252417 \pm 2.023974a	3.438743 \pm 0.569303b
	Moderate stress	1.456064 \pm 0.563179b	2.33414 \pm 1.164256ab	2.520217 \pm 0.387406b
	Heavy stress	0.508425 \pm 0.037403c	0.402118 \pm 0.084802c	0.856029 \pm 0.293131c
Day 20	Normal water supply	2.55987 \pm 0.536771ab	4.133889 \pm 0.947069a	4.359417 \pm 1.390474a
	Mild stress	3.076728 \pm 0.957318a	3.60923 \pm 0.382118a	2.592435 \pm 0.614512b
	Moderate stress	1.052561 \pm 0.166029c	2.003543 \pm 0.642245b	1.496467 \pm 0.82254bc
	Heavy stress	0.516773 \pm 0.130573c	0.277897 \pm 0.102747c	0.256621 \pm 0.066384c
Day 28	Normal water supply	4.221187 \pm 1.272763a	5.811257 \pm 1.087438a	6.54712 \pm 0.933929a
	Mild stress	3.624871 \pm 1.094617a	4.546514 \pm 1.012447a	5.690862 \pm 1.400753a
	Moderate stress	2.847992 \pm 0.54358a	5.624869 \pm 1.091724a	5.519632 \pm 1.528837a
	Heavy stress	2.441678 \pm 1.146707a	5.069779 \pm 0.857694a	4.614689 \pm 1.4664a
Day 33	Normal water supply	2.185589 \pm 0.604701a	4.927252 \pm 1.018451a	3.325198 \pm 1.385692a
	Mild stress	2.743724 \pm 0.581834a	4.989258 \pm 1.087863a	4.017215 \pm 1.509311a
	Moderate stress	2.29517 \pm 0.254669a	3.918413 \pm 1.149289a	3.450554 \pm 1.060461a
	Heavy stress	2.302221 \pm 0.563026a	3.26785 \pm 1.10962a	2.877053 \pm 1.165293a