

Appendix-C: Morphological indicators of 5 tolerant varieties (lines) and 5 moisture-sensitive varieties (lines) under drought stress (mean \pm SD)

	No.	Variety (line)	Treat ment	Seedling height (cm)	Whole seedling Fresh weight (g)	Whole seedling dry Weight (g)	Total root length (cm)	Total root surface area (cm ²)	Total root volume (cm ³)	Average root diameter (mm)
Drought tolerant variety (line)	1	Yun0401	Drought stress	11.89± 0.62de	0.240± 0.005c	0.099± 0.010f	145.62± 19.44f	16.31± 0.86e	0.145± 0.001e	0.289± 0.025c
			Drought control	19.09± 1.39abc	0.649± 0.038b	0.161± 0.017c	179.65± 15.59bdef	21.04± 0.93cd	0.209± 0.004d	0.304± 0.018c
	2	Yun0421	Drought stress	16.60± 0.21cd	0.296± 0.051c	0.130± 0.002e	190.57± 14.58de	24.48± 3.29c	0.304± 0.001c	0.315± 0.032c
			Drought control	22.22± 2.86ab	0.727± 0.017b	0.170± 0.007b	233.81± 19.46bc	29.13± 1.33ab	0.377± 0.026b	0.331± 0.009c
	3	Yun0624	Drought stress	15.76± 2.00cde	0.273± 0.089c	0.101± 0.004ef	170.94± 13.31ef	15.38± 0.17e	0.148± 0.002e	0.306± 0.010c
			Drought control	19.16± 0.59abc	0.920± 0.237b	0.145± 0.007bcd	213.11± 12.68cde	19.02± 0.660de	0.214± 0.020d	0.354± 0.002c
	4	Dianmai6	Drought stress	11.50± 3.01e	0.301± 0.012c	0.096± 0.001f	220.50± 18.34bcd	21.67± 0.65cb	0.209± 0.004d	0.335± 0.024c
			Drought control	18.22± 0.11bc	0.894± 0.183b	0.139± 0.003cd	259.23± 14.01b	25.30± 0.82bc	0.356± 0.001b	0.431± 0.016a
	5	Jingmai 12	Drought stress	17.57± 0.78bc	0.270± 0.076c	0.147± 0.005bcd	219.06± 4.69bcd	19.60± 0.22de	0.214± 0.005d	0.357± 0.032bc
			Drought control	23.91± 1.82a	1.639± 0.008a	0.239± 0.024a	411.96± 5.017a	33.30± 0.75a	0.635± 0.030a	0.430± 0.012ab
	No.	Variety (line)	Treat ment	Seedling height (cm)	Whole seedling fresh weight (g)	Whole seedling dry weight (g)	Total root length (cm)	Total root surface area (cm ²)	Total root volume (cm ³)	Average root diameter (mm)
Moisture sensitive variety (line)	1	Yun0058	Drought stress	10.79± 0.83bc	0.153± 0.009b	0.071± 0.001c	107.52± 8.94de	8.30± 1.17ef	0.080± 0.001cd	0.104± 0.001cd
			Drought control	15.14± 3.57ab	0.572± 0.166a	0.104± 0.003a	173.71± 20.71b	12.61± 0.79cd	0.170± 0.002b	0.259± 0.001a
	2	Yun0059	Drought stress	9.20± 0.81bc	0.099± 0.002b	0.045± 0.001d	87.04± 14.12e	7.82± 0.40ef	0.064± 0.005d	0.176± 0.005abc
			Drought control	16.26± 0.86ab	0.480± 0.010a	0.101± 0.004a	244.40± 6.97a	17.55± 1.91b	0.129± 0.013bc	0.247± 0.006ab
	3	Yun0064	Drought stress	9.43± 1.18bc	0.166± 0.007b	0.084± 0.001bc	115.85± 21.49cde	8.56± 1.33def	0.063± 0.001d	0.122± 0.004cd

(Continued)

Appendix-C (continued)

No.	Variety (line)	Treat ment	Seedling height (cm)	Whole seedling Fresh weight (g)	Whole seedling dry Weight (g)	Total root length (cm)	Total root surface area (cm ²)	Total root volume (cm ³)	Average root diameter (mm)
4	Yun0073	Drought	14.88±	0.601±	0.094±	254.11±	22.66±	0.286±	0.207±
		control	2.92ab	0.009a	0.003ab	4.30a	1.81a	0.054a	0.008abc
		Drought stress	7.37±	0.093±	0.044±	84.60±	6.26±	0.046±	0.010±
			1.40c	0.006b	0.013d	1.24e	0.20f	0.003d	0.001d
5	Yun0101	Drought	16.14±	0.448±	0.068±	138.73±	12.83±	0.142±	0.124±
		control	4.10ab	0.008a	0.002c	5.20bcd	3.22c	0.014b	0.006cd
		Drought stress	11.81±	0.169±	0.079±	148.38±	10.56±	0.051±	0.133±
			0.96abc	0.006b	0.009bc	6.81bc	0.43cde	0.006d	0.027bc
		Drought	18.70±	0.581±	0.11±	254.93±	25.38±	0.118±	0.284±
		control	4.60a	0.005a	0.007a	22.64a	0.61a	0.002bc	0.130a

Data presented are mean ± SD. Values with matching letters are not significantly different from each other (P > 0.05).