

Supplementary Table S2: Root morphological attributes of rice and wheat in control and water-deficit conditions. Values in table represent mean±SE and analysis of variance result with least significant difference (LSD) for each trait.

Species	Cultivar	Treatment	MRL	TRL	RLD	RV	RB
Rice	IR64	Control	46.83±6.93	0.49±0.19	5.85±2.27	10.46±4.07	1.00±0.19
	IR64	Water-deficit	51.72±6.83	0.46±0.06	5.48±0.69	7.51±0.38	0.66±0.10
	N22	Control	53.3±1.21	0.97±0.31	11.7±3.78	22.94±5.37	2.35±0.53
	N22	Water-deficit	55.03±3.49	0.57±0.22	6.83±2.70	11.98±3.01	1.24±0.31
	APO	Control	52.6±5.83	0.49±0.10	5.95±1.20	15.47±2.48	1.31±0.23
	APO	Water-deficit	51.73±2.61	0.42±0.11	5.12±1.36	8.64±1.88	0.85±0.14
Wheat	SeriM82	Control	55.67±3.18	1.26±0.14	15.11±1.63	37.41±4.37	2.72±0.38
	SeriM82	Water-deficit	64.33±0.88	0.52±0.03	06.21±0.35	26.15±2.75	2.00±0.04
	Weebill4	Control	61±2.08	1.12±0.05	13.52±0.62	33.35±2.55	2.81±0.32
	Weebill4	Water-deficit	64±2.65	0.48±0.04	05.78±0.46	22.27±2.11	1.86±0.24
LSD ($P<0.05$)							
Rice		Cultivar (C)	6.60 ^{ns}	0.286 ^{ns}	3.440 ^{ns}	5.052 [*]	0.486 ^{**}
		Treatment (T)	5.39 ^{ns}	0.233 ^{ns}	2.809 ^{ns}	4.125 ^{**}	0.397 ^{**}
		C×T	9.34 ^{ns}	0.404 ^{ns}	4.865 ^{ns}	7.144 ^{ns}	0.687 ^{ns}
Wheat		Cultivar (C)	5.12 ^{ns}	0.172 ^{ns}	2.065 ^{ns}	5.550 ^{ns}	0.472 ^{ns}
		Treatment (T)	5.12 [*]	0.172 ^{***}	2.065 ^{***}	5.550 ^{**}	0.472 ^{**}
		C×T	7.24 ^{ns}	0.243 ^{ns}	2.920 ^{ns}	7.840 ^{ns}	0.667 ^{ns}

MRL=maximum root length (cm), **TRL**=total root length (km plant⁻¹), **RLD**=root length density (cm cm³), **RV**=root volume (cm³), **RB**=root biomass (g plant⁻¹). **Significance level:** * $P<0.05$, ** $P<0.01$, *** $P<0.001$, **ns**=non-significant, **SE**=standard error.