

Supplementary Materials

Supplementary Table S2. ANOVA giving effect of genotype and site on trait.

Trait	Source	DF	Sum of squares	Mean of squares	F	Pr > F
stem length (cm)	site	1	6005.450	6005.450	164.472	< 0.0001
	genotype	23	24072.005	1046.609	28.664	< 0.0001
	site*genotype	23	5286.605	229.852	6.295	< 0.0001
root length (cm)	site	1	46.512	46.512	0.408	0.524
	genotype	23	14836.717	645.075	5.665	< 0.0001
	site*genotype	23	9164.895	398.474	3.500	< 0.0001
root growth rate (cm/day)	site	1	3.525	3.525	29.601	< 0.0001
	genotype	23	14.808	0.644	5.407	< 0.0001
	site*genotype	23	6.243	0.271	2.279	0.002
dMax (mm)	site	1	0.041	0.041	1.566	0.213
	genotype	23	3.989	0.173	6.682	< 0.0001
	site*genotype	23	1.184	0.051	1.983	0.008
dLat (mm)	site	1	0.034	0.034	12.926	0.000
	genotype	23	0.206	0.009	3.368	< 0.0001
	site*genotype	23	0.076	0.003	1.241	0.221
dMin (mm)	site	1	0.130	0.130	366.577	< 0.0001
	genotype	23	0.026	0.001	3.158	< 0.0001
	site*genotype	23	0.021	0.001	2.533	0.000
ILD (mm)	site	1	85.974	85.974	276.357	< 0.0001
	genotype	23	41.627	1.810	5.818	< 0.0001
	site*genotype	23	24.662	1.072	3.447	< 0.0001

dLat/dMax	site	1	0.022	0.022	12.434	0.001
	genotype	23	0.170	0.007	4.220	< 0.0001
	site*genotype	23	0.164	0.007	4.079	< 0.0001
root fresh weight (g)	site	1	97457.120	97457.120	177.256	< 0.0001
	genotype	23	96447.204	4193.357	7.627	< 0.0001
	site*genotype	23	31487.020	1369.001	2.490	0.001
shoot fresh weight (g)	site	1	209776.286	209776.286	296.105	< 0.0001
	genotype	23	225342.739	9797.510	13.829	< 0.0001
	site*genotype	23	100067.934	4350.780	6.141	< 0.0001
ratio shoot to root fresh weight	site	1	413.114	413.114	478.982	< 0.0001
	genotype	23	35.453	1.541	1.787	0.021
	site*genotype	23	26.014	1.131	1.311	0.170
root fresh weight per day (g/day)	site	1	51.498	51.498	181.870	< 0.0001
	genotype	23	63.552	2.763	9.758	< 0.0001
	site*genotype	23	17.827	0.775	2.737	0.000
shoot fresh weight per day (g/day)	site	1	191.000	191.000	394.353	< 0.0001
	genotype	23	161.136	7.006	14.465	< 0.0001
	site*genotype	23	68.733	2.988	6.170	< 0.0001
root dry weight (g)	site	1	1794.263	1794.263	76.743	< 0.0001
	genotype	23	3049.581	132.590	5.671	< 0.0001
	site*genotype	23	1176.049	51.133	2.187	0.003
shoot dry weight (g)	site	1	31.639	31.639	4.072	0.045
	genotype	23	2473.529	107.545	13.840	< 0.0001
	site*genotype	23	808.736	35.162	4.525	< 0.0001
ratio shoot to root dry weight	site	1	22.759	22.759	52.823	< 0.0001
	genotype	23	42.419	1.844	4.281	< 0.0001
	site*genotype	23	28.198	1.226	2.845	< 0.0001

root dry weight per day (g/day)	site	1	0.883	0.883	72.601	< 0.0001
	genotype	23	1.953	0.085	6.981	< 0.0001
	site*genotype	23	0.663	0.029	2.371	0.001
shoot dry weight per day (g/day)	site	1	0.001	0.001	0.201	0.655
	genotype	23	1.710	0.074	13.898	< 0.0001
	site*genotype	23	0.476	0.021	3.868	< 0.0001
total dry weight accumulation per day (g/day)	site	1	0.823	0.823	33.713	< 0.0001
	genotype	23	6.386	0.278	11.379	< 0.0001
	site*genotype	23	1.261	0.055	2.247	0.002



Site G



Site C

Supplementary Figure S1. Photo of the culture carried out at Site G or Site C taken in June 2018.