



Appendix A Temperature (a) and Solar radiation (b) in 2018 at Kyoto, respectively, for the periods from heading of the earliest var. Akitakomachi to maturity of the latest var. Liaojing 5.

Appendix B

Yield and yield components for the Akitakomachi and Liaojing 5 backgrounds with EP and NEP genotypes grown at Kyoto in 2018.

Year	Location	Background	Genotype	Yield t ha ⁻¹	Biomass t ha ⁻¹	HI ^a	PN ^b #	GNPP ^c #	GNPM ^d *10 ⁴ m ²	1000GW ^e g	SSR ^f %
		AKI	EP/dep1	6.37	11.43	0.56	306.67	103.97	3.54	24.41	82.33
			NEP/DEP1	5.05	10.24	0.49	228.15	101.71	2.59	24.46	88.67
2018	Kyoto		ANOVA	0.051 ^{n.s}	0.240 ^{n.s}	0.004 ^{**}	0.039 [*]	0.638 ^{n.s}	0.044 [*]	0.953 ^{n.s}	0.077 ^{n.s}
		LG5	EP/dep1	5.56	12.53	0.45	262.59	117.29	3.44	73.47	23.04
			NEP/DEP1	5.33	12.11	0.44	253.7	122.21	3.44	73.7	24.4
			ANOVA	0.050 ^{n.s}	0.718 ^{n.s}	0.820 ^{n.s}	0.0419 [*]	0.744 ^{n.s}	0.997 ^{n.s}	0.012 [*]	0.964 ^{n.s}

^a HI: harvest index. ^b PN: panicle number. ^c GNPP: grain number per panicle. ^d GNPM: grain number per meters square meter. ^e 1000GW: thousand-grain weight. ^f SSR: seed set rate.

** and *, significant with P < 0.01 and P < 0.05, respectively; n.s., not significant.

Yield and 1000GW are expressed with 14% moisture content.