

Supplemental Table 1. Agronomic traits of 208S (Hangzhou, China, 2010)

Sowing date	Heading date (days)	No. of leaves per plant	Plant height (cm)	No. of tillers per plant	No. of grains per panicle
May 7th	112.0	16.7	NA	NA	NA
May 16th	104.0**	16.9	111.0	10.1	181.0
May 22th	105.0**	16.3	NA	NA	NA
May 28th	100.0**	16.0	NA	NA	NA

<sup>a</sup> \*\*Significant at the 0.01 probability level.

<sup>b</sup> Standard error of the mean for 10 plants.

<sup>c</sup> NA, not available.

Supplemental Table 2. Quality traits performance of 208S and its hybrid (Hangzhou, China, 2010)

Lines	Brown rice rate (%)	Milling rice rate (%)	Head rice rate (%)	length-width ratio	Chalkiness rate (%)	ASV	GC (mm)	AC (%)	Protein content (%)
First grade quality	≥77.0	≥69.0	≥55.0	≥2.8	≤ 10.0	6.0-7.0	≥70.0	17.0-22.0	≥10.0
Guangzhan63S (CK)	79.6	71.6	54.1	2.9	30.0	6.4	71.5	17.1	9.5
208S	80.7	71.2	65.3**	3.0	2.0***	7.0	86.0**	12.5**	13.8**
Zheyong 3	81.0	71.4	62.9*	3.0	10.0***	7.0	88.0**	14.8**	11.1*

<sup>a</sup> \*Significant at the 0.05 probability level. \*\*Significant at the 0.01 probability level. \*\*\*Significant at the 0.001 probability level.