

Table S1. Primer sequences used in the quantitative RT-PCR

Gene	cDNA number	Forwad(5'-3')	Reverse(5'-3')
<i>SUT1</i>	AK100027	GGTGGCATGCTGCTATTGTA	GTTAGCTGTGCCAGGTCCAT
<i>SUT2</i>	AB091672	TGGTCACTCAAGGACTTCCA	CACTGTACAGAACGGCGAGA
<i>CIN2</i>	EU095553	AACATGTACCAGCCGACGTTTG	AAGCTCTCAACAACCGACCTGT
UBQ5	AK061988	ACCACTTCGACCGCCACTACT	ACGCCTAAGCCTGCTGGTT

Table S2. Supplementary data of other indicators of rice quality in the study

Variety	Transparency	Grain length (mm)	Length-width ratio	Alkali spreading value
Yongyou9	0.63 a	6.25 a	2.65 a	4.23 b
Yongyou12	0.65 a	5.30 b	2.18 b	4.88 a

Note: Different letters indicate a significant difference at the 0.05 probability level.