

Table S3. Primers used for construction of OsGSTU17 mutants

Mutants	Primer names	Primer sequences (5'-3')
K64A	K64A-R	GAC GGT GGA CTC GGC GAG AGG <u>CGC</u> GCC GTC GTG GAC CAG CAC GG
	K64A-F	CCT CTC GCC GAG TCC ACC GTC
E78A	E78A-R	GGG GTA GCC GTG CTT CCA GGC <u>CGC</u> GTC GAT GTA CTC GAC GAT GA
	E78A-F	GCC TGG AAG CAC GGC TAC CCC
	OsGSTU17-Ex1	TGA <i>ATT</i> CAT GGC AGC AGA CAA GGG AG
	OsGSTU17-Ex2	TAA <i>GCT TTT</i> ACT ACG CCG AGA GGA TCT G

Note: F is short for forward primer; R is short for reverse primer. Mutation sites were underlined. Sites of restriction endonuclease *Eco*R I and *Hind* III were marked with italic.