

Table S2. Substrate activities of wild-type OsGSTU17, wild-type TaGSTU4 and its mutant Y93F

Substrates	Enzymatic activities ($\mu\text{mol min}^{-1} \text{mg}^{-1}$)		
	OsGSTU17 [21]	TaGSTU4 [20]	Y93F of TaGSTU4 [20]
NBD-Cl	0.203 ± 0.006	0.19 ± 0.039	ND
CDNB	0.113 ± 0.019	1.08 ± 0.009	0.14 ± 0.028
NBC	1.153 ± 0.046	0.39 ± 0.012	ND
Cum-OOH	0.013 ± 0.002	0.15 ± 0.005	0.14 ± 0.003

Note: The values were shown as means \pm S.D., calculated from triplicates. ND represents Not Detected. The values of OsGSTU17 were obtained from our previous study [21]. The values of TaGSTU4 were obtained from Wang et al [20].