

**Supplemental Table 3.** Year-to-year correlation coefficients for (Pearson's  $r$ ) among endosperm enzyme activities and eating-quality traits.

Trait	Correlation
Endosperm enzyme activity	
$\alpha$ -amylase	0.27 **
$\beta$ -amylase	0.23 **
$\alpha$ -glucosidase	0.20 *
$\alpha$ -mannosidase	0.26 **
$\alpha$ -galactosidase	0.23 **
$\beta$ -galactosidase	0.21 **
$\beta$ -glucanase	0.31 ***
$\beta$ -xylanase	0.20 *
Protein content	0.54 ***
Amylose content	-0.05
Cooked Rice Taste Analyzer	
Eating-quality score	0.29 ***
Tensipresser	
Hardness of the grain surface I	0.18 *
Stickiness of the grain surface	0.29 ***
Hardness of the whole grain H	0.21 **
Stickiness of the whole grain S	0.19 *

Significance levels: \* $P < 0.05$ , \*\* $P < 0.01$ , and \*\*\* $P < 0.001$ .