

Table 2 Correlation coefficients of different quality traits in the 28 rice germplasm resources

Index of quality	Brown rice rate (%)	Milled rice rate (%)	Head milled rice rate (%)	Grain length (mm)	Grain width (mm)	Length to width ratio	Percentage of grains with chalkiness (%)	Degree of endosperm with chalkiness (%)	Clarity	Amylose content	Gel consistence
Brown rice rate	0.68**	-	-	-	-	-	-	-	-	-	-
Head milled rice rate	0.28	0.21	-	-	-	-	-	-	-	-	-
Grain length	0.05	-0.40*	-0.15	-	-	-	-	-	-	-	-
Grain width	-0.11	0.01	0.14	-0.15	-	-	-	-	-	-	-
Length to width ratio	0.15	-0.17	-0.16	0.56**	-0.89**	-	-	-	-	-	-
Percentage of grains with chalkiness	0.03	0.37*	0.07	-0.63**	0.50**	-0.65**	-	-	-	-	-
Degree of endosperm with chalkiness	0.02	0.30	0.03	-0.63**	0.48**	-0.63**	0.96**	-	-	-	-
Clarity	0.10	0.35	0.02	-0.26	0.28	-0.35	0.33	0.24	-	-	-
Amylose content	-0.03	0.43*	-0.27	-0.44*	-0.26	0.03	0.33	0.32	0.20	--	-
Gel consistence	-0.08	0.17	-0.12	-0.33	-0.19	-0.05	0.12	0.04	0.39*	0.23	-
Alkali spreading value	-0.09	-0.11	-0.32	0.35	0.38*	-0.16	-0.05	-0.06	-0.29	-0.25	-0.20

Note: * and ** represent $p < 0.05$ and 0.01 respectively

