

Table 1 Quality performance of 28 rice germplasm resources

Variety	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 (mm)	Alkali spreading value	Degree ^a
QG006	67.93	58.02	49.55	9.10	2.35	3.82	8.18	1.89	2	26.62	120.00	2.20	Substandar
QG017	79.87	67.76	51.50	9.25	2.53	3.66	9.35	1.81	2	20.78	114.70	5.80	2
QG018	78.08	66.53	56.03	9.31	2.58	3.61	3.15	0.86	1	19.38	130.70	5.20	1
QG020	79.86	68.80	61.02	8.75	2.39	3.63	5.87	1.05	2	27.30	125.70	2.00	Substandar
QG039	80.19	68.79	58.47	9.59	2.62	3.47	20.32	2.26	3	27.13	138.70	2.30	Substandar
QG040	79.14	69.27	57.70	9.47	2.59	3.66	7.76	1.48	2	20.06	95.30	2.20	1
QG041	77.77	68.31	46.55	9.17	2.91	3.16	22.36	5.71	2	27.62	65.00	5.80	Substandar
QG044	79.30	71.47	67.02	8.10	2.38	3.41	11.52	1.89	3	28.32	133.00	2.20	Substandar
QG046	78.44	67.51	57.03	7.81	2.94	2.68	81.96	21.05	2	28.18	92.50	2.20	Substandar
QG049	80.13	72.43	63.39	8.12	3.18	2.56	81.40	15.56	4	26.63	130.50	2.30	Substandar
QG052	78.41	66.09	58.28	9.14	2.85	3.22	13.96	5.43	3	17.39	122.00	4.30	3
QG053	77.82	67.10	59.22	9.54	2.70	3.55	30.00	4.12	2	17.20	124.70	4.50	2
QG061	77.69	66.11	61.08	9.19	2.75	3.34	6.06	0.50	3	13.18	114.00	2.70	Substandar
QG064	79.16	70.14	63.15	8.64	2.92	3.00	35.29	5.13	2	27.02	66.70	4.20	Substandar
QG068	81.25	69.20	56.92	9.29	2.82	3.30	7.69	3.58	3	23.78	81.00	2.30	2
Sahel 108	79.79	68.07	46.49	8.67	2.38	3.66	10.00	2.41	2	25.91	134.50	2.20	Substandar
Sahel 134	79.29	69.10	42.52	8.95	2.30	3.90	19.23	2.07	4	29.38	142.00	2.30	Substandar
ZY-1	81.22	67.98	62.53	9.71	2.19	4.46	5.43	1.70	2	23.20	68.00	2.00	1
ZY-2	79.66	67.61	63.54	9.14	2.32	3.97	5.46	1.17	2	21.53	88.50	2.50	1
ZY-3	79.72	66.90	48.42	10.56	2.47	4.30	5.35	1.26	2	26.68	81.30	6.00	Substandar
ZY-4	80.67	63.53	59.90	9.89	2.55	3.89	3.63	0.56	2	13.16	73.70	2.00	Substandar
ZY-5	79.75	66.03	59.83	9.70	3.10	3.14	18.47	3.20	3	16.88	102.30	4.50	2
ZY-7	84.91	68.11	62.32	9.15	2.23	4.13	7.30	1.67	2	22.90	109.30	2.00	1
ZY-8	77.28	62.99	59.24	9.41	2.99	3.16	6.09	0.94	2	15.91	81.30	4.30	1
ZY-9	78.56	67.22	57.31	9.20	2.29	4.05	5.02	1.17	2	22.72	71.50	2.00	1
ZY-16	78.03	64.82	60.13	9.47	3.02	3.13	6.25	0.84	2	15.49	64.30	4.50	1
ZY-17	79.16	67.50	63.06	9.52	2.33	4.11	7.38	1.33	2	26.00	108.50	2.00	Substandar
ZY-25	76.76	65.81	60.52	9.31	2.91	3.21	5.38	1.20	3	25.48	104.70	2.00	Substandar

Note: a: The classification of quality grade shall refer to the national standard GB/T17891-2017