

Table S1. 11 rice characters among 76 Korean rice landraces

IT No.	Name	growth period (day)	culm length (mm)	panicle length (mm)	grain length (mm)	grain width (mm)	1000grain weight (g)	grain thickness (mm)	Mg (mg/g)	K (mg/g)	Amylose content (%)	Total protein (%)
IT004694	GAKSJEOMJO	110.0	90.0	19.0	4.9	2.9	29.1	1.9	0.2	0.7	18.0	7.2
IT004753	GANGDODO	122.0	131.0	24.0	5.0	3.0	22.5	2.1	0.3	1.1	5.0	7.3
IT004760	GANGREUNGDO 106	109.0	106.0	24.0	5.0	3.0	23.2	2.3	0.3	0.9	5.8	8.6
IT004769	GANGBAEDO	122.0	120.0	23.0	5.5	2.9	25.2	1.9	0.2	0.7	26.5	7.6
IT005504	NOINJO	113.0	103.0	23.0	5.2	3.2	29.2	2.2	0.2	0.7	18.9	7.3
IT005509	NOINDO	103.0	100.0	26.0	5.5	3.0	22.2	2.0	0.2	0.7	19.0	8.5
IT005743	DAEGOLDO	101.0	94.0	23.0	5.0	3.0	18.6	1.9	0.3	0.8	5.9	8.0
IT005756	DAEGUNA	114.0	99.0	24.0	4.7	2.8	24.1	2.2	0.3	1.0	5.8	7.8
IT005893	DANGDO	114.0	84.0	22.0	4.4	3.1	27.2	2.0	0.2	0.6	19.2	8.4
IT005915	DOAJI	122.0	120.0	21.0	4.6	3.0	21.9	2.0	0.3	1.0	5.7	6.3
IT005970	DONGOBYEO	118.0	114.0	27.0	5.3	3.0	27.1	2.0	0.3	0.8	19.2	7.5
IT006064	MAEKDO	111.0	106.0	25.0	5.2	3.0	26.5	2.1	0.2	0.7	20.6	8.4
IT006078	MONAJO	111.0	100.0	23.0	4.6	2.9	24.6	2.0	0.3	0.9	5.1	9.3
IT006089	MOJO	103.0	98.0	23.0	4.8	3.0	22.3	2.0	0.2	0.6	19.7	8.4
IT006243	BADOLBYEO	114.0	113.0	25.0	5.2	3.0	28.6	2.2	0.2	0.7	20.4	6.8
IT006260	BANDALBYEO	111.0	126.0	26.0	4.9	2.9	24.6	1.9	0.2	0.7	19.8	7.7
IT006302	BAEKGOKNA	97.0	101.0	26.0	4.8	2.8	26.4	2.1	0.3	1.0	4.9	9.2
IT006354	BAEKSEOK	120.0	90.0	25.0	5.2	2.8	27.4	2.1	0.2	0.7	21.2	7.6
IT006366	BAEKJANGGUN	120.0	90.0	25.0	4.8	3.0	28.6	2.2	0.2	0.7	22.2	7.4
IT006410	BEOBPANHWA	114.0	100.0	25.0	4.8	3.0	27.5	2.5	0.2	0.7	19.2	7.1
IT006424	BORIBYEO	118.0	103.0	24.0	5.2	3.0	22.8	2.0	0.2	0.7	20.4	7.2
IT006538	SADUCHO	101.0	91.0	21.0	5.9	2.4	21.0	1.8	0.2	0.8	19.7	9.0
IT006551	SANDADAGIDO	115.0	120.0	19.0	4.9	3.1	21.1	2.2	0.2	0.7	19.5	8.7
IT006556	SANDO	101.0	89.0	19.0	5.2	2.8	28.6	2.0	0.2	0.7	19.2	8.9
IT006596	SAMKYEONGJO	103.0	111.0	21.0	5.2	2.8	25.8	2.0	0.2	0.7	23.3	8.1
IT006684	SEOKSANNA	113.0	108.0	19.0	5.2	3.2	22.6	2.2	0.3	0.9	5.5	8.2

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IT007270	SUKNA	124.0	109.0	24.0	4.7	2.9	22.3	2.1	0.3	1.0	5.7	6.7
IT007559	AENGMI	114.0	92.0	25.0	5.6	2.4	24.9	1.8	0.3	0.7	27.2	8.7
IT007578	EOREUMBYEO	136.0	87.0	23.0	5.2	2.9	20.4	2.1	0.2	0.7	20.5	5.6
IT007631	ORIDO	112.0	104.0	21.0	4.7	3.0	25.5	2.1	0.2	0.7	19.8	6.8
IT007633	OBAEKJO	134.0	75.0	17.0	4.6	3.1	18.9	2.2	0.2	0.7	19.2	6.4
IT007693	OLWAEDU	113.0	119.0	27.0	5.2	3.2	24.6	2.1	0.2	0.7	19.4	6.6
IT007900	YUKWEOLJO	111.0	121.0	20.0	4.9	2.9	22.8	2.1	0.3	0.9	5.5	6.3
IT007999	IRAKDO	118.0	110.0	22.0	4.9	2.8	21.7	1.9	0.2	0.7	18.3	7.2
IT008196	INBUJIDO	118.0	97.0	26.0	4.6	2.9	26.3	2.0	0.3	0.9	5.5	7.2
IT008199	INBUJINADO	112.0	110.0	22.0	4.7	3.1	25.1	2.1	0.3	0.9	5.7	6.5
IT008357	JEOKBAKNA	118.0	98.0	24.0	4.7	3.1	21.2	2.1	0.2	0.7	14.0	8.4
IT008382	JEONGGEUMJO	120.0	84.0	26.0	5.0	2.9	28.8	1.9	0.2	0.7	16.8	8.6
IT008388	JEONGDALDO	114.0	112.0	26.0	5.1	2.8	20.3	1.9	0.3	1.0	5.0	6.7
IT008453	JODO	112.0	104.0	25.0	4.9	3.0	25.7	2.1	0.3	0.8	5.8	8.2
IT008700	JWIIPPARIBYEO	104.0	95.0	20.0	4.9	2.9	24.7	2.0	0.2	0.7	19.2	8.4
IT008749	CHALBYEO	108.0	93.0	27.0	5.1	2.7	26.2	1.9	0.3	0.8	5.4	9.0
IT008798	CHEONJUDO	112.0	122.0	24.0	4.9	2.8	26.4	2.0	0.3	0.9	5.3	8.0
IT008816	CHEONGGUNBYEO	105.0	98.0	21.0	4.7	3.3	26.7	2.4	0.2	0.8	19.5	7.9
IT008850	CHOEBUJI	104.0	98.0	23.0	4.9	2.9	25.5	2.0	0.2	0.7	18.2	6.7
IT008888	CHIMABYEO	124.0	94.0	20.0	5.0	3.0	25.0	2.1	0.4	1.2	18.5	6.6
IT008897	CHINDADACHIGI	102.0	81.0	23.0	5.1	3.0	25.8	2.0	0.2	0.7	20.4	6.8
IT008981	PALJUNGSU	126.0	122.0	28.0	5.1	3.0	26.5	2.1	0.2	0.6	19.2	9.2
IT008983	PALCHEONDO	107.0	108.0	28.0	5.2	3.1	23.5	2.1	0.2	0.8	19.4	6.3
IT008996	POCHEONJANGMANGMEBYEO	113.0	90.0	21.0	5.1	3.2	21.2	2.3	0.2	0.7	18.3	6.1
IT008999	PYODO	109.0	123.0	24.0	5.2	2.8	24.8	1.8	0.3	0.9	5.6	8.0
IT009060	HANYANGJO	114.0	103.0	26.0	5.8	2.9	28.3	2.2	0.2	0.8	25.7	7.5

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IT009077	HAENGPUNG	128.0	68.0	25.0	5.1	3.0	29.1	1.9	0.2	0.8	18.5	6.9
IT009117	HONGNA	126.0	80.0	21.0	5.1	2.8	22.6	2.0	0.3	0.9	10.7	7.0
IT009138	HONGCHEONGDO	115.0	92.0	23.0	4.8	3.3	24.3	2.2	0.2	0.7	17.9	7.2
IT009142	HWADO	125.0	121.0	28.0	5.0	3.0	22.5	2.0	0.2	0.8	17.6	6.9
IT009173	HWANGJO	110.0	124.0	21.0	4.7	3.0	23.4	2.1	0.2	0.7	18.0	7.2
IT009191	HWANGTOJO	120.0	120.0	26.0	4.9	2.9	24.0	2.0	0.2	0.6	19.3	7.2
IT009221	HYOSEONGJAERAEJONG	108.0	85.0	26.0	5.4	2.6	22.1	2.0	0.3	0.8	25.5	8.1
IT009229	HEUKGAENG	119.0	105.0	25.0	4.5	2.9	20.8	2.1	0.3	0.9	5.4	5.3
IT009797	SUNDAL	117.0	104.0	24.0	5.3	2.8	23.7	1.8	0.2	0.6	19.7	8.0
IT010161	Gangweondo	98.0	90.0	30.0	5.2	2.9	28.1	2.1	0.2	0.7	18.2	8.3
IT010275	Neulbyeo	80.0	73.0	23.0	5.4	2.9	29.3	2.1	0.3	1.0	5.8	9.1
IT010340	Batnarak	103.0	92.0	24.0	5.3	3.0	26.5	1.9	0.2	0.7	24.9	9.0
IT010345	Bungok	108.0	82.0	24.0	5.4	2.7	27.2	1.8	0.3	0.9	18.7	9.3
IT010375	Sando	114.0	100.0	25.0	5.5	3.2	30.7	2.2	0.2	0.6	19.7	8.2
IT010627	Joseokjo	97.0	86.0	24.0	5.3	2.9	22.8	1.8	0.2	0.7	18.2	10.7
IT010628	Joseon	109.0	87.0	23.0	5.2	2.6	27.0	2.1	0.3	0.8	5.0	9.6
IT010630	Jjok-je-bi-chal	130.0	104.0	24.0	5.3	2.7	20.9	1.9	0.3	1.2	5.4	8.4
IT010704	Pocheonyumangchal	107.0	78.0	20.0	5.4	3.1	28.4	2.1	0.2	0.7	18.0	8.4
k026147	OKCHEONG	121.0	126.0	24.0	5.0	3.2	19.2	2.2	0.3	0.9	6.0	6.4
k026153	SEON	101.0	82.0	23.0	5.8	2.3	18.8	1.8	0.3	0.7	28.9	8.7
k026164	JANMOCHAL	119.0	117.0	22.0	4.5	3.0	22.3	2.1	0.3	0.9	5.0	7.1
k026177	YULJOJO	102.0	111.0	23.0	4.7	2.9	22.5	2.0	0.3	0.8	13.7	8.5
k026193	NANGJO	111.0	91.0	25.0	4.9	3.2	25.2	2.1	0.2	0.7	18.4	6.9
k026194	MONDONCHALBYEO	114.0	100.0	19.0	4.9	2.7	27.2	1.8	0.3	1.0	28.2	6.5