Table 1. F-value for physicochemical properties with different recurrent parents and NILs.

Items	DF	Protein (%)	Amylose (%)	Fatty acid (%)	Alkali spreading value(1-7)	Mg/K (mEq/mEq)
Recurrent parent(A)	2	**	**	**	**	**
NILs(B)	3	**	ns	*	*	ns
AxB	6	*	ns	**	ns	*
Recurrent parent	Suwon345	7.5b	19.0b	15.7b	5.9b	1.21a
	Iri390	7.6ab	19.2a	16.8a	5.8b	1.22a
	Milyang95	7.7a	18.9b	15.8b	6.2a	1.01b
NILs	*Xa0*	7.8a	19.0a	16.2a	5.8b	1.17a
	Xa1	7.8a	19.1a	16.2a	6.1a	1.16a
	Xa2	7.6a	19.0a	15.8b	5.9b	1.14a
	Xa3	7.3b	19.0a	16.2a	6.1a	1.12a

*,** : Significant at the 5% and 1% levels, respectively.

Table 2. F-value for amylogram properties with different recurrent parents and NILs.

Items	DF	GT (℃)	Peak viscosity (RVU)	Hot viscosity (RVU)	Cool viscosity (RVU)	Break down (RVU)	Consistency (RVU)	Set back (RVU)
RP(A)	2	ns	**	**	**	**	**	**
NILs(B)	3	ns	*	*	**	ns	ns	ns
AxB	6	ns	**	**	**	*	ns	ns
RP	Suwon345	69.5a	236.3b	175.3ab	264.3b	61.0b	89.0b	28.0b
	Iri390	69.0a	237.8b	182.0a	272.9a	55.8b	90.8b	35.1a
	Milyang95	69.1a	241.6a	173.6b	271.4a	68.0a	97.7a	29.8b
NILs	*Xa0*	69.2a	243.2a	181.2a	273.5a	62.0a	92.3a	30.3a
	Xa1	69.4a	233.5c	173.5b	266.4b	60.0a	92.8a	32.9a
	Xa2	70.1a	235.8bc	173.2b	266.3b	62.6a	93.1a	30.5a
	Xa3	68.2a	241.7ab	180.0a	271.9ab	61.7a	91.8a	30.2a

*,** : Significant at the 5% and 1% levels, respectively.

Table 3. F-value for texture properties with different recurrent parents and NILs.

Items	DF	Hardness	Adhesiv-en ess	Cohesiv-en ess	Springin-es s	Gummi-ne ss	Chewi-ne ss	Toyo taste meter value
RP(A)	2	**	**	**	**	**	**	**
NILs(B)	3	ns	ns	ns	ns	ns	ns	*
AxB	6	ns	ns	ns	ns	ns	ns	**
RP	Suwon345	4.50c	-0.66b	0.31ab	0.66b	1.40c	0.93c	66.2b
	Iri390	9.48a	-1.35a	0.27b	0.82a	2.60a	2.01a	70.0a
	Milyang95	6.29b	-0.99b	0.33a	0.75ab	2.00b	1.45b	64.2c
NILs	*Xa0*	6.81a	-1.09a	0.31a	0.74a	2.06a	1.45a	65.8b
	Xa1	6.86a	-0.94a	0.30a	0.75a	2.08a	1.46a	66.9ab
	Xa2	6.73a	-0.90a	0.29a	0.74a	1.93a	1.44a	67.7a
	Xa3	6.64a	-1.08a	0.31a	0.75a	1.95a	1.51a	66.7ab

*,** : Significant at the 5% and 1% levels, respectively.