Supplementary Table S1. Mean squares from the ANOVA for the examined components of kernel quality in *su1* sweet corn genotypes.

Source of variability	df	Kernel moisture	Glucose	Fructose	Sucrose	Total sugars	Phyto-glycogen	Total phenols	DPPH	Kernel color
Year (Y)	1	8.3*	23.7**	6.9**	41.0*	210.3**	20.7	10283.8*	191.4*	2715.9**
Error a	2	0.8	0.1	0.0	2.0	4.2	3.3	261.0	7.0	0.6
Genotype (G)	8	40.4**	2.4**	1.0**	15.0**	32.3**	1.5	26963.8**	108.0*	150.5**
Y x G	8	2.1	1.0**	1.0**	4.8	6.1	4.5	5333.8	31.8	40.8
Error b	16	2.4	0.1	0.1	1.4	1.9	1.0	6094.4	10.4	6.7
Harvest date (DAP)	4	277.1**	20.4**	16.4**	114.3**	341**	250**	24717.7**	275.1**	68.2**
Y x DAP	4	4.9	0.7**	0.8	1.5	10.5**	0.6	5092.2*	101.5**	12.7*
Error c	8	1.9	0.10	0.2	0.5	1.2	2.8	351.4	2.9	2.3
DAP x G	32	1.8*	0.3**	0.3	1.8	4.5*	2.5	236.7	25.1**	3.9
Y x DAP x G	32	1.2	0.4**	0.4*	2.8*	7.2**	3.4*	575.9	30.3**	2.2
Error d	64	1.0	0.1	0.1	1.1	1.8	1.7	454.3	6.8	4.2

df - degrees of freedom; *, ** Significant at the 0.05 and 0.01 probability levels, respectively