

TABLE S1 Founder lines genotyped.

BSSS Founders Genotyped

Inbred	Background / Pedigree	Notes
Ind.Tr9_1_1.6	Reid Early Dent (Troyer Strain)	
Oh3167B	Echelberger Clarage	
I224	Iodent	
Ind467(744)	Reid Medium	
Cl.187-2	Krug-Nebraska Reid x IA Gold Mine	
Os420	Osterland Yellow Dent	
I159	Iodent	
A3G-3-1-3	BL345BxIAI129	
Ind_Fe2_1073	Troyer Reid (Early)	Parent of unavailable line F1B1
Ill_Hy	IL High Yield	
Ill_12E	unknown	
Ind_AH83	Funk 176A	
Ind_B2	Troyer Reid (Late Butler)	Parent of unavailable line F1B1
LE23	IL Low Ear	

BSCB1 Founders Genotyped

Inbred	Background / Pedigree
I205	Iodent
Oh51A	[(OH56xWf9)Oh56] (Wooster Clarage x ?)
A340	4-29 x 64 (Silver King x Northwestern Dent)
Ill_Hy	IL High Yield
Oh33	Clarage
Oh07	C.I.540xIII.L
R4	Funk Yellow Dent
Oh40B	eight line LSC composite
P8	Palin Reid
L317	LSC
CC5	Golden Glow (W23)

Founders not analyzed

Inbred	Group	Reason
Cl.540	BSSS	heterozygous genotype
F1B1	BSSS	unavailable
Cl.617	BSSS	unavailable
WD456	BSSS	unavailable
K230	BSCB1	source segregates phenotypically