

Table S1 Composition of the dent and flint designs with the number of DH lines in each family which were used for obtaining the consensus maps and the one which were phenotyped.

Dent design			Flint design		
Central line F353			Central line UH007		
Founder	Genotyped lines	Phenotyped lines	Founder	Genotyped lines	Phenotyped lines
B73	73	64	D152	112	72
D06	103	99	EC49A	53	29
D09	105	100	EP44	34 ^a	17
EC169	77	66	EZ5	50	26
F252	105	96	F03802	129	129
F618	108	104	F2	77	54
Mo17	63	53	F283	134	133
UH250	99	94	F64	108	64
UH304	86	81	UH006	114	94
W117	100	84	UH009	117	98
			DK105	115	95
Total	919	841	Total	1009	811

^a Population not used for mapping as too small