

Pedigree

TBBC3-38

Population of BC₃
Introgression Lines (TBBC3)

Refer to Chung et al. 2010

TBBC3-38_19E

BC₄F₃

Backcrossed to B73 and selfed

(BC₄F₃)BC₁F₂

Selected 15 heterozygous individuals
Identified 113 recombinant individuals

(BC₄F₃)BC₁F₃

4,475 plants screened for recombinants

(BC₄F₃)BC₁F₄

Screened for fixed recombinants

(BC₄F₃)BC₁F₅

Evaluated for disease resistance
(NLB & Stewart's wilt)

(BC₄F₃)BC₁F₆

Evaluated for disease resistance
(NLB & Stewart's wilt)

Figure S1 Near-isogenic line development. Near-isogenic line development is shown beginning with population development by Szalma et al. (2007) and Chung et al. (2010), through homozygous recombinant screening.