



Fig. S3 Allelism tests. (A), Self-pollinated ear obtained from the plant of small kernel (*mn2-m2mn2-m2*) taken from the original segregating ear (the founder ear with a segregating ratio of 3:1 (normal: small kernel)). (B), F₁ ear obtained from the cross-pollination of B73/*mn2-m1* plant (ear parent) with *mn2-m2mn2-mn2* plant (pollen parent). (C), Self-pollinated ear obtained from the plant of small kernel (*mn2-m1mn2-m1*) taken from the segregating ear with a segregating ratio of 3:1 (normal: small kernel)). (D), Self-pollinated ear obtained from the *+mn2-710B* plant. (E), F₁ ear obtained from the cross-pollination of *mn2-m1mn2-m1* plant (ear parent) with *+mn2-710B* plant (pollen plant). Arrow represents mutant kernels. Bar represents 1 cm.