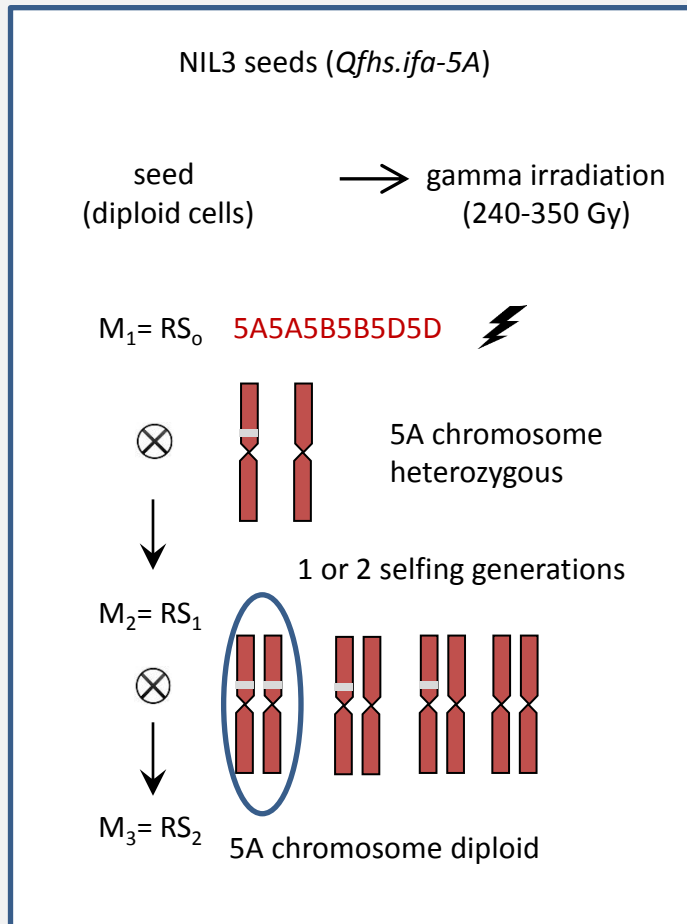


RS-NIL3 panel



RH-CS panel

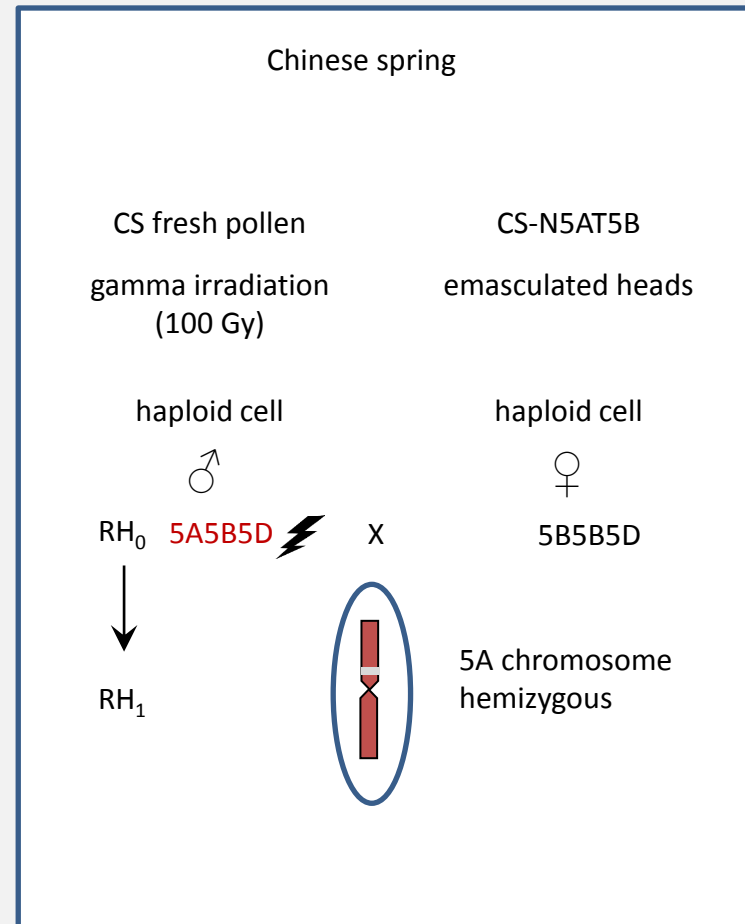


Figure S3 Development of radiation selfing panel (RS-NIL3) and radiation hybrid panel (RH-CS). Development of RS-NIL3 panel involved seed irradiation ($M_1 = RS_0$) following 1 or 2 generations of selfing ($M_2 = RS_1$, $M_3 = RS_2$) to obtain homozygote deletions. RH-CS panel was developed by pollinating Chinese Spring Nulli5ATetra5B (CS-N5AT5B) with irradiated pollen from Chinese Spring (RH_0) to obtain RH_1 plants. RH_1 plants have the 5A chromosome in hemizygous state and potential deletions on chromosome 5A are directly detectable.