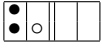
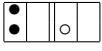
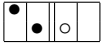
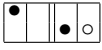


Table S13 Starting states for the calculation of probabilities of two-locus autosomal diplotypes of the form $AA|AB$, in the generation of four-way RIL by sibling mating

Prototype	No. states	Initial pattern	Initial probability
$AA AB$	8	 (6)	1/2
$AA AC$	16	 (8)	1/4
$AB AC$	16	 (16)	1/4
$AC AD$	8	 (15)	1/4