









Table S21 Starting states for the calculation of probabilities of the two-locus X chromosome female diplotype of the form $AA|BB$, in the generation four-way RIL by sibling mating

Prototype	No. states	Initial pattern	Initial probability
$AA BB$	1	 (1)	1
$AA BC$	4	 (9)	1
$AA CC$	2	 (2)	1
$AB BA$	1	 (6)	1
$AB BC$	4	 (10)	1
$AB CC$	2	 (3)	1
$AC CA$	2	 (11)	1
$AC CB$	2	 (12)	1