

Table S6 Transition matrix for one X chromosome locus in the generation of four-way RIL by sibling mating

g_k	g_{k+1}									
	1	2	3	4	5	6	7	8	9	10
1: $AA \times A$	1	0	0	0	0	0	0	0	0	0
2: $AA \times B$	0	0	0	1	0	0	0	0	0	0
3: $AA \times C$	0	0	0	0	0	1	0	0	0	0
4: $AB \times A$	1/4	1/4	0	1/2	0	0	0	0	0	0
5: $AB \times C$	0	0	0	0	0	1/2	1/2	0	0	0
6: $AC \times A$	1/4	0	1/4	0	0	1/4	0	1/4	0	0
7: $AC \times B$	0	0	0	1/4	1/4	0	1/4	1/4	0	0
8: $AC \times C$	0	0	0	0	0	1/4	0	1/4	1/4	1/4
9: $CC \times A$	0	0	0	0	0	0	0	1	0	0
10: $CC \times C$	0	0	0	0	0	0	0	0	0	1