

Table S₁ Detailed information of SNP markers on each chromosome of the two genetic maps.

Population		Chr.1	Chr.2	Chr. 3	Chr. 4	Chr. 5	Chr. 6	Chr. 7	Chr. 8	Chr. 9	Total
CJ-F ₂	SNPs	551	439	531	436	304	253	348	326	381	3569
	GD ^a	1388	1052	1262	986	719	570	825	716	853	8371
	AGD ^b	2.519	2.396	2.377	2.261	2.365	2.253	2.371	2.196	2.239	2.35
	PD ^c	53	64	74	53	55	39	47	51	63	499
	APD ^d	0.096	0.146	0.139	0.122	0.181	0.154	0.135	0.156	0.165	0.140
CL-F ₂	SNPs	413	509	585	358	291	402	296	432	399	3685
	GD	939	1243	1163	834	665	834	604	1027	941	8250
	AGD	2.274	2.442	1.988	2.330	2.285	2.075	2.041	2.377	2.358	2.24
	PD	53	64	74	53	55	39	47	51	63	499
	APD	0.128	0.126	0.126	0.148	0.189	0.097	0.159	0.118	0.158	0.135

^aGD: genetic distance (cM)

^bAGD: average genetic distance between markers (cM)

^cPD: physical distance (Mb)

^dAPD: average physical distance between markers (Mb)