

S1 Table. Linkage disequilibrium decay summary and SNP distribution by chromosome for 85 apple cultivars.

Chromosome Number	LD decay (kb) ^A	Chromosome length (kb)	# of SNPs	Average distance between SNPs (kb)
1	75.0	29,390	2,575	11.4
2	39.5	36,519	3,712	9.8
3	48.8	34,035	3,060	11.1
4	68.7	23,056	2,421	9.5
5	51.7	31,643	3,325	9.5
6	61.5	25,525	2,325	11.0
7	128.2	26,629	2,599	10.2
8	21.5	29,751	2,720	10.9
9	25.8	33,775	3,673	9.2
10	34.8	33,492	3,908	8.6
11	38.8	35,328	3,461	10.2
12	44.1	31,722	3,141	10.1
13	122.0	34,925	3,382	10.3
14	61.4	29,326	2,450	12.0
15	74.7	47,455	4,636	10.2
16	82.6	20,870	2,228	9.4
17	13.5	24,926	2,824	8.8
Average	58.4	31,080	3,085	10.1

^A LD decay extents were estimated at $r^2 = 0.2$. Chromosome length estimates were obtained from the apple reference genome *Malus x domestica* v3.0.a1.