

**Table S2.** Statistics of single nucleotide polymorphism (SNP) identification from the 138 recombinant inbred lines (RILs) and two parents

Chromosome	Total SNPs	SNPs with MAF $\geq 0.05$ , call rate $\geq 20\%$ and polymorphic between two parents
1	3,892	174
2	6,261	377
3	4,390	162
4	5,251	203
5	5,061	318
6	2,857	100
7	3,880	95
8	6,542	105
9	3,042	111
10	3,811	93
11	7,689	150
Scaffolds	1,944	170
Total	54,620	2,058

MAF: minor allele frequency