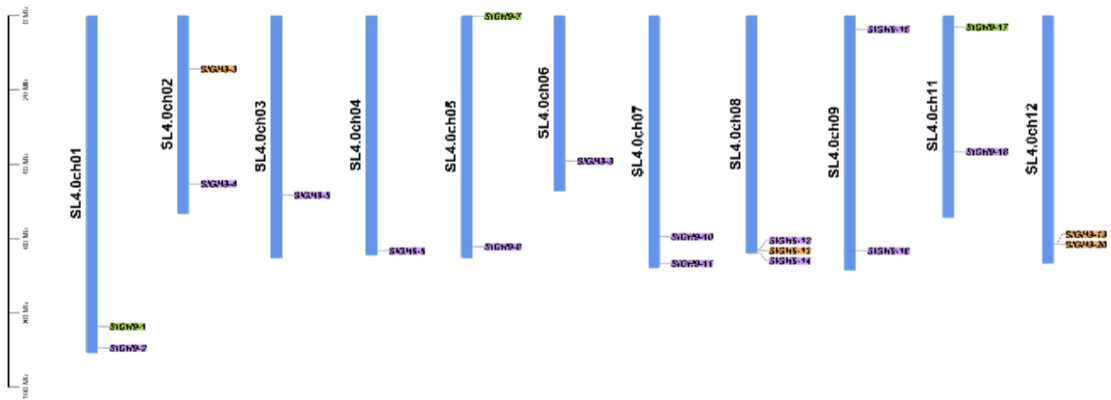


Appendix A Summary of sequencing data and the alignment result of BSR-Seq

Group	Total Reads	Q30 (%)	Average Coverage Depth (\times)	Average Genome Depth (\times)	SNP number
CR	81033522	92.71	163.97	14.78	36232
CS	85900848	93.38	161.37	15.68	22987
CRMP	100936210	92.81	213.65	18.61	34813
CSMP	11337272	93.92	198.82	20.35	40788

Appendix B The number of DEGs.

Group	Gene number	Up-regulated gene number	Down-regulated gene number
CR vs CRMP	6621	4769	1852
CR vs CS	7738	5715	2023
CR vs CSMP	8295	6674	1621
CRMP vs CS	7491	4215	3276
CRMP vs CSMP	4111	3230	881
CS vs CSMP	5646	3558	2088



Appendix C Chromosomal distribution map of *SIGH9*s. *SIGH9A*, *SIGH9B*s and *SIGH9C*s are highlighted in green, purple and orange.