

**Appendix F** The 16 common SNPs between the top 1100 SNPs of MES20 and the top 700 SNPs of RAT12

Note: The chromosome names and positions were based on maize B73 reference genome version 3;  
The fourth and fifth columns were  $-\log_{10}(P)$  of MES20 and RAT12, respectively.

Marker	Chromosome	Position	MES20	RAT12
chr1.S_270661377	1	270661377	2.819042	2.938942155
chr3.S_68359725	3	68359725	3.074952	3.323171749
chr3.S_214820577	3	214820577	3.004008	2.992753151
chr5.S_10588081	5	10588081	3.362003	2.944306428
chr5.S_11054265	5	11054265	3.012735	3.236865922
chr5.S_155531612	5	155531612	2.836	3.059966408
chr5.S_162700099	5	162700099	2.753344	4.598444497
chr5.S_196798178	5	196798178	4.810095	2.94887133
chr5.S_202822978	5	202822978	2.961912	3.359944383
chr6.S_151037449	6	151037449	4.516737	2.988397191
chr7.S_130878841	7	130878841	3.211596	3.007063636
chr7.S_167504964	7	167504964	3.111824	3.208890795
chr8.S_170161784	8	170162072	2.897793	3.747154672
chr9.S_154247559	9	154248004	2.781472	3.310826716
chr10.S_126539699	10	126540603	3.047141	3.084163801
chr10.S_141271046	10	141271307	3.234907	3.0504395