

Appendix K Haplotype analysis using the eight SNPs with *P* value less than 0.01

Note: a, the numbers indicated their relative positions compared to ATG codon of the genomic sequence of GRMZM2G119769, negative and positive indicated upstream and downstream of the translation start site; b, different letters indicated significance at 0.05 level.

Haplotypes	2911 ^a	2848 ^a	1883 ^a	1748 ^a	807 ^a	45 ^a	-109 ^a	-282 ^a	Number of lines	Mean ± SD	Multiple comparison ^b
Hap1	A	C	C	A	C	T	T	G	26	13.04 ± 3.14	abc
Hap2	A	C	C	G	C	T	T	G	41	13.83 ± 3.41	abc
Hap3	A	T	C	G	C	T	T	A	4	10.39 ± 3.29	c
Hap4	A	T	C	G	C	T	T	G	24	13.97 ± 4.01	abc
Hap5	A	T	C	G	T	C	T	A	26	10.91 ± 3.34	bc
Hap6	A	T	T	G	C	T	T	G	8	12.24 ± 2.86	bc
Hap7	G	T	C	A	C	T	T	G	35	12.34 ± 3.00	abc
Hap8	G	T	C	G	C	C	T	A	16	13.41 ± 2.61	abc
Hap9	G	T	C	G	C	T	T	G	43	12.72 ± 3.27	abc
Hap10	G	T	T	G	C	T	C	G	9	15.63 ± 2.91	a
Hap11	G	T	T	G	C	T	T	G	13	14.02 ± 2.69	ab