Table S1 Analysis of variance on phenotypic values of heading date in the three environments. were the variance components of error, genotype, environment and genotypeenvironment, respectively.  represented the numbers of replication, genotype and environment, respectively.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Source | DF | Sum square | Mean square | F value | Pr>F | EMS |
| Environment | 2 | 60726.66 | 30363.33 | 14659.60 | <0.0001 |  |
| Genotype | 64 | 43828.74 | 684.82 | 330.64 | <0.0001 |  |
| Genotype x Environment | 128 | 1411.62 | 11.03 | 5.32 | <0.0001 |  |
| Error | 374 | 774.64 | 2.07 |  |  |  |
| Corrected Total | 568 | 106741.65 |  |  |  |  |