



Fig S1. Plot distribution of Tajima's D values of cabbage varieties with different maturation times.

**Fig. 1** Phylogenetic and genetic structure analyses of cabbage varieties with different maturation times.

(a) A neighbour-joining phylogenetic tree constructed using whole-genome SNPs data. The red lines represent early-maturing of cabbages; green lines represent late-maturing of cabbages; blue lines represent mid-maturing of cabbages. The clades clustered by each maturity resource were identified with corresponding colors. (b) Genetic structure plots with  $K = 2-4$ . The  $y$  axis quantifies the proportion of the individual's genome from inferred ancestral populations, and  $x$  axis shows the different individuals. The color of the sample code represents the same meaning as (a).