Appendix D The population structure and cluster of 236 Sichuan wheat accessions. (A) The estimation of sub-population number using delta K method of Bayesian clustering. K = 2 means the population can be divided into 2 sub-populations. (B) The population structure of 236 Sichuan wheat accessions. Two colors stand for 2 different compositions. Different color area of each line represented different proportion of composition. The Sub-population 1 (SP1) mainly showed as green color. The Sub-population 2 (SP2) mainly showed as orange color. (C) The neighbor-joining (NJ) phylogenetic tree based on shared allele distance using high-density SNP markers. The population can be classified as 2 clusters (marked as red dotted line). The branch lines with green and orange color belong to clusters 1 and 2, respectively. The accession name with green background are landraces and the orange background are cultivars.