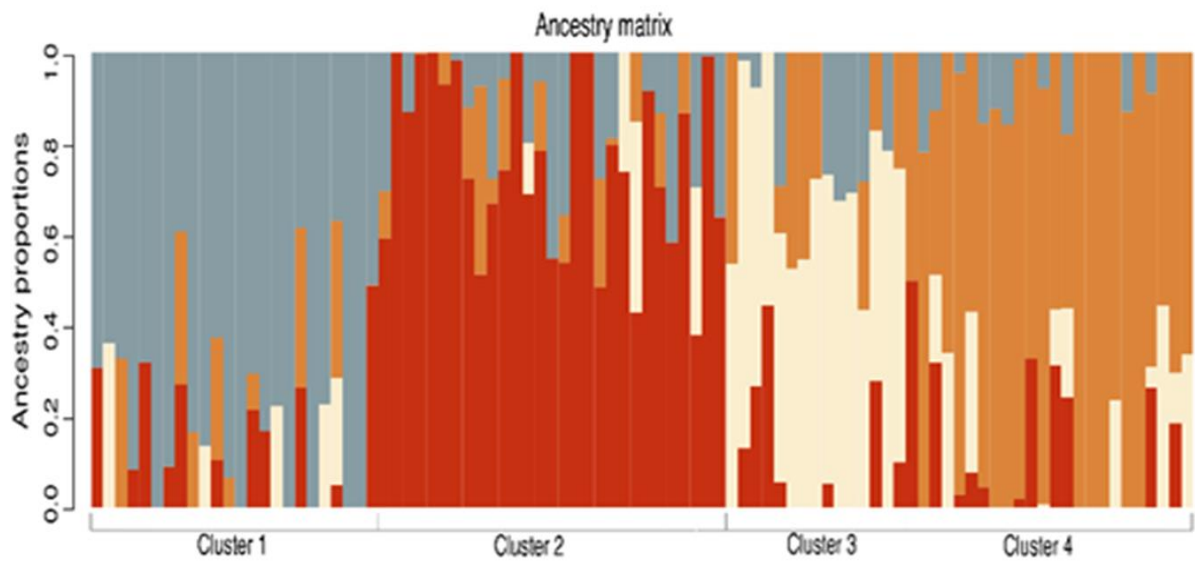


(a)



(b)

Figure S1. Population structure among 93 spring wheat varieties based on (a) a plot of PC1 (14.2%), PC2 (8.7%), and PC3 (4.3%) from principal component analysis; (b) for comparison purpose, the population structure based on STRUCTURE is provided, which has been published in Kiseleva et al. [29].