**S4 Fig. – (A).** Structure results displaying continent-wise distribution of whole spring wheat panel based on DArT genotype as $K = 2$. The white lines mark the separation between the continents.

**S4 Fig. – (B).** Structure harvester results displaying the plots of the (i) $\Delta K$ and (ii) log-likelihood values for the analysis based on DArT markers. $K = 2$ is the most appropriate.