Supplementary Figure 5. Manhattan and QQ-plots of -log p values estimated using 3-year seasonal data using FarmCPU algorithm for citrate, malate (MAL), malate/citrate ratio (MC$_{ratio}$) and titratable acidity (TA) in the apricot accession panel. Model was adjusted for population structure (Q = 2). Horizontal lines indicate the Bonferroni-adjusted threshold for a type one error rate of 0.05 based on the effective number of independent tests (continuous line, 1.86E^{-06}) and permutation test (dashed lines, 1.18E^{-05}). Major loci on chr 2 and 8 controlling MAL, CIT and MC$_{ratio}$ were stably detected across seasons while those for TA were more variable.