



Supplementary Figure 4. Scatter plot of the first two principal components (Dim1 and Dim2) of the genetic relationship matrix. The first two PCs (i.e. *Dim1* and *Dim2*) captured the 31.8% of the explained phenotypic variability for TA and ten OAs (CIS, cis-aconitate; CIT, citrate; FUM, fumarate; GAL, galacturonate; MAL, malate; OX, oxalate; QUI, quinate; SHI, shikimate; SUC, succinate; TRT, tartrate) contents in both fruit pulp and skin.