

**S1 Fig. Structure plot of GTEx V6 all tissue samples for (a)  $K = 5$ , (b)  $K = 10$ , (c)  $K = 15$ , (d)  $K = 20$ .** Some tissues form a separate cluster from the rest of the tissues from  $K = 5$  onwards (for example: Whole Blood, Skin), whereas some tissues only form a distinctive subgroup only at  $K = 20$  (for example: Arteries).

