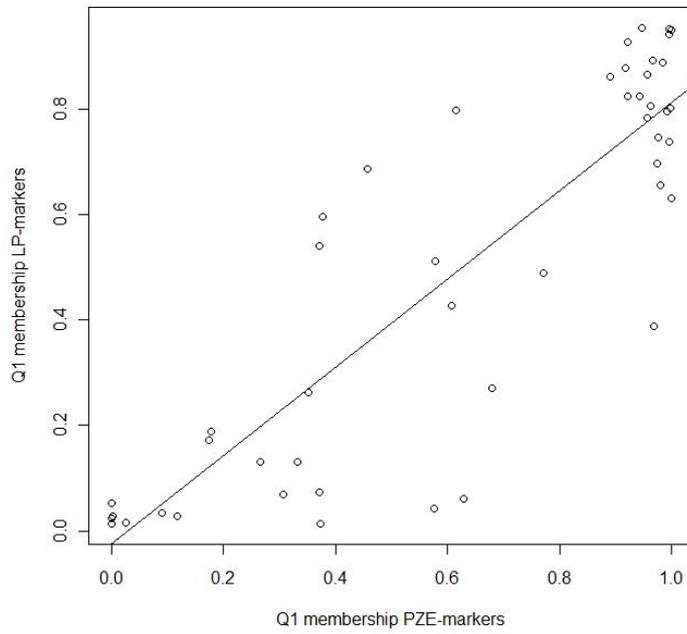


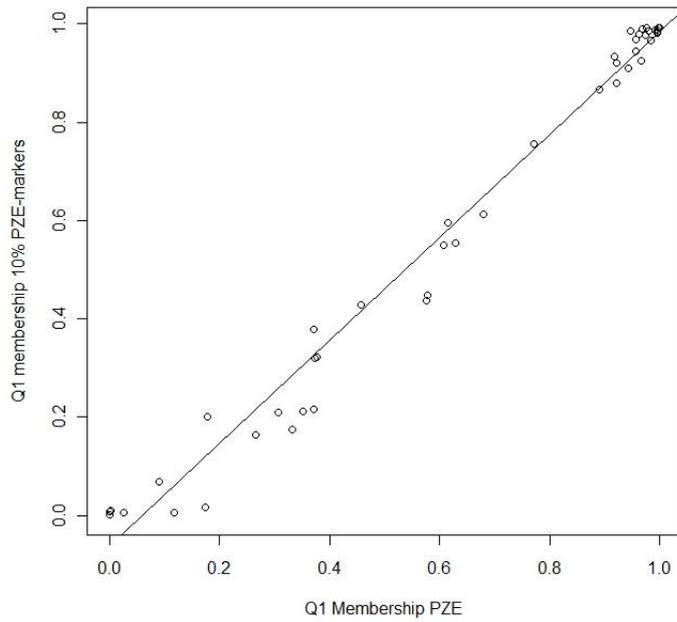
Figure S2

a)



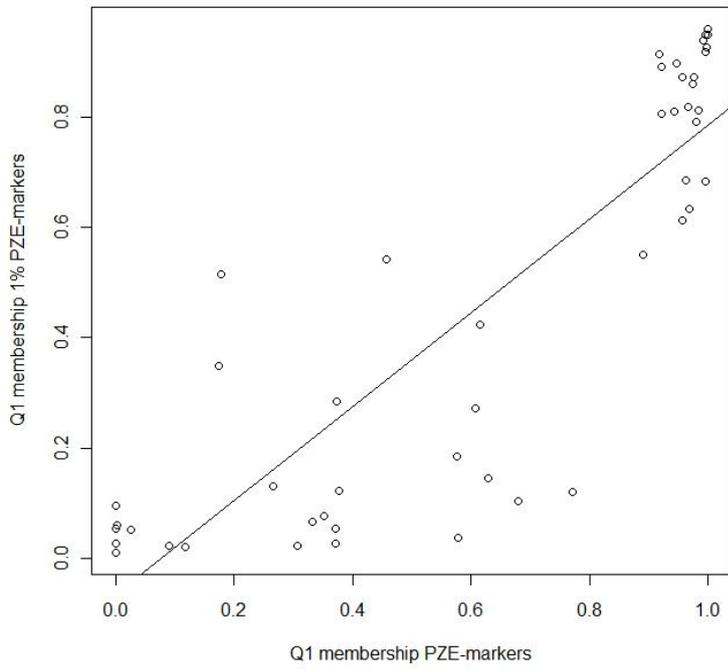
$R^2=0.87$ ($p<0.01$)

b)



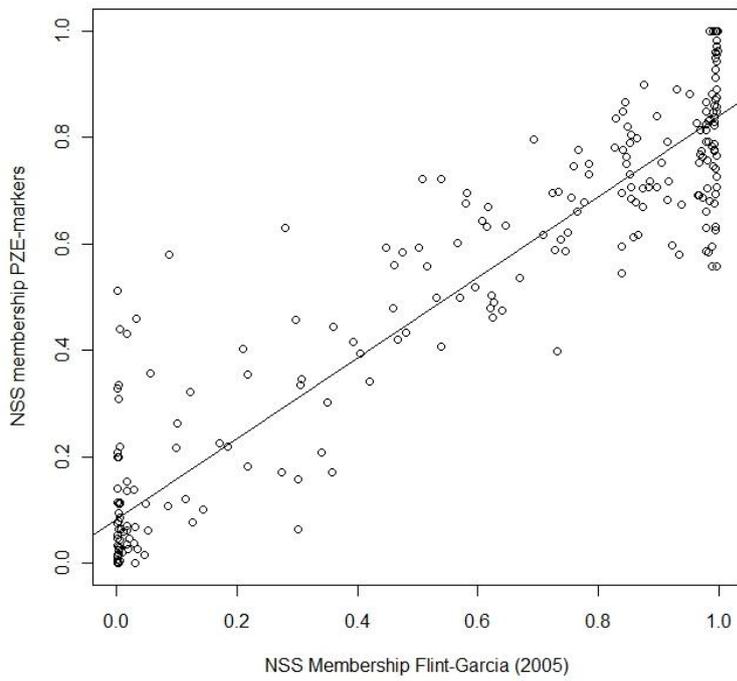
$R^2=0.99$ ($p<0.01$)

c)



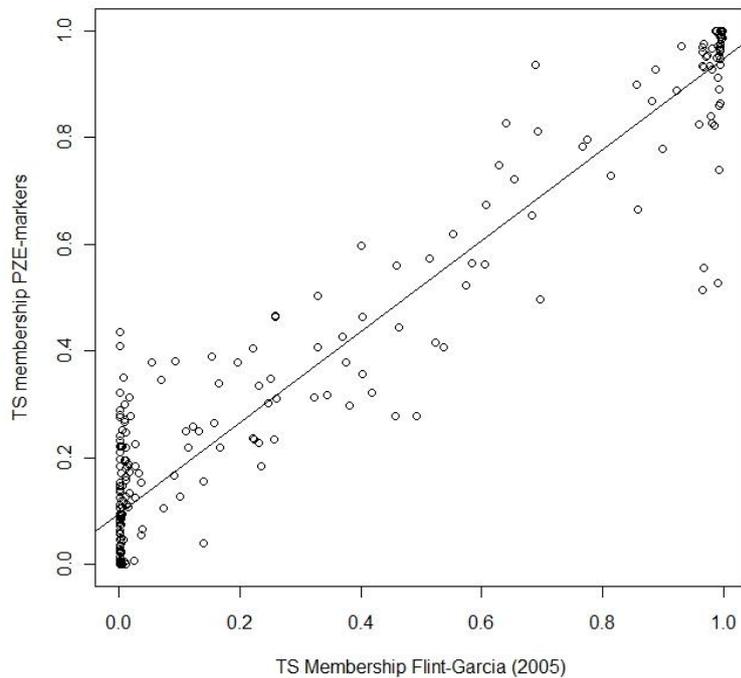
$R^2=0.86$ ($p<0.01$)

d)



$R^2=0.94$ ($p<0.01$)

e)



$R^2=0.96$ ($p<0.01$)

Fig. S2 Plots of the relationship of Q group membership from different STRUCTURE (Pritchard et al. 2000) analyses: a, b, c) Between Q group membership in cluster 1 (Eastern) in the African panel for the full 26,900 Panzea markers and the Landrace Panel markers, the 10% subset and the 1% subset of the Panzea markers, respectively; d, e) Between accessions in the NSS and TS clusters identified in the Association Panel in Flint-Garcia et al. (2005) vs. the corresponding Q group memberships from our analysis based on 26,900 Panzea markers (PZE-prefix). The correlation coefficient (Pearson's R^2) is given for all plots.