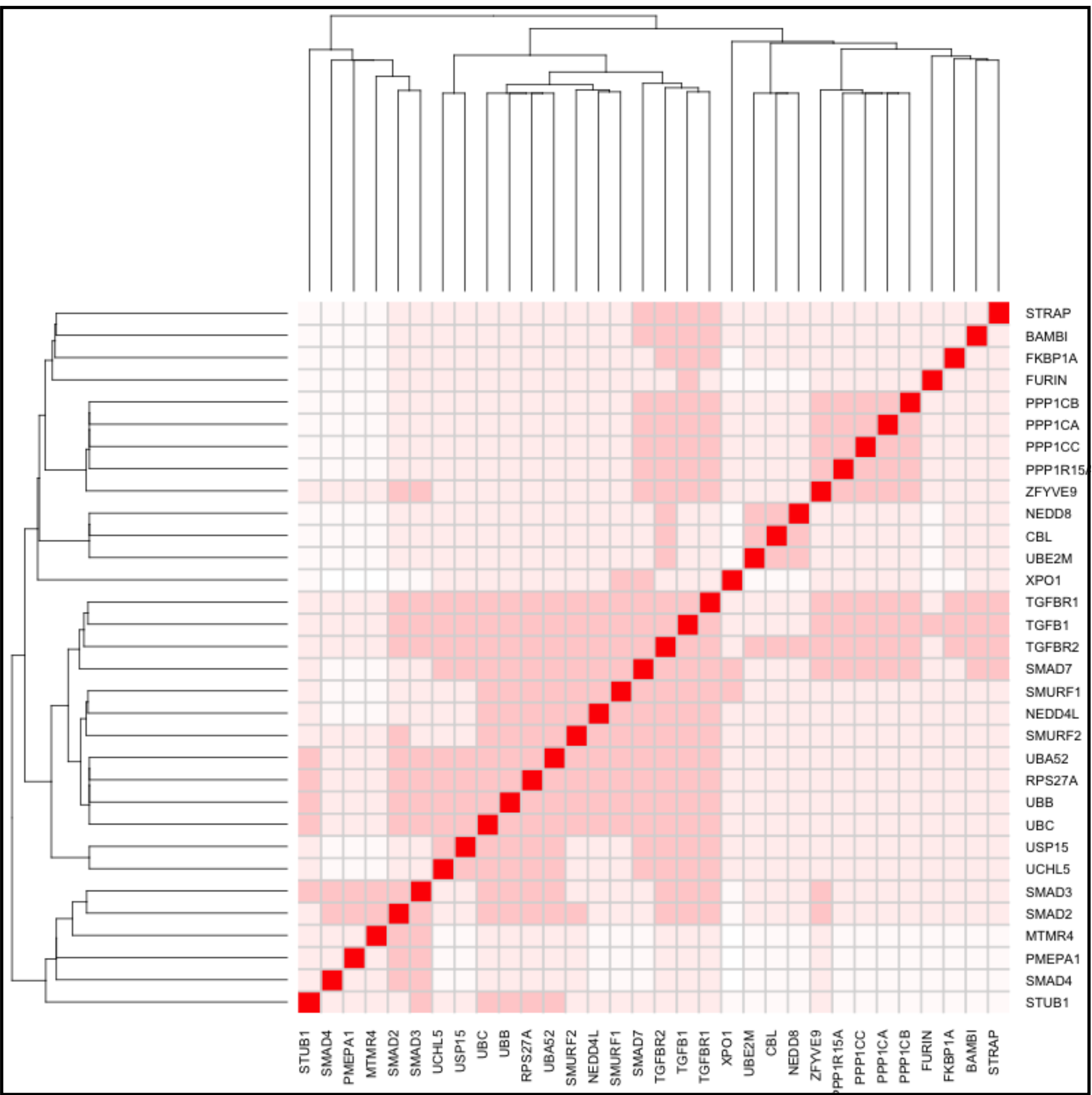
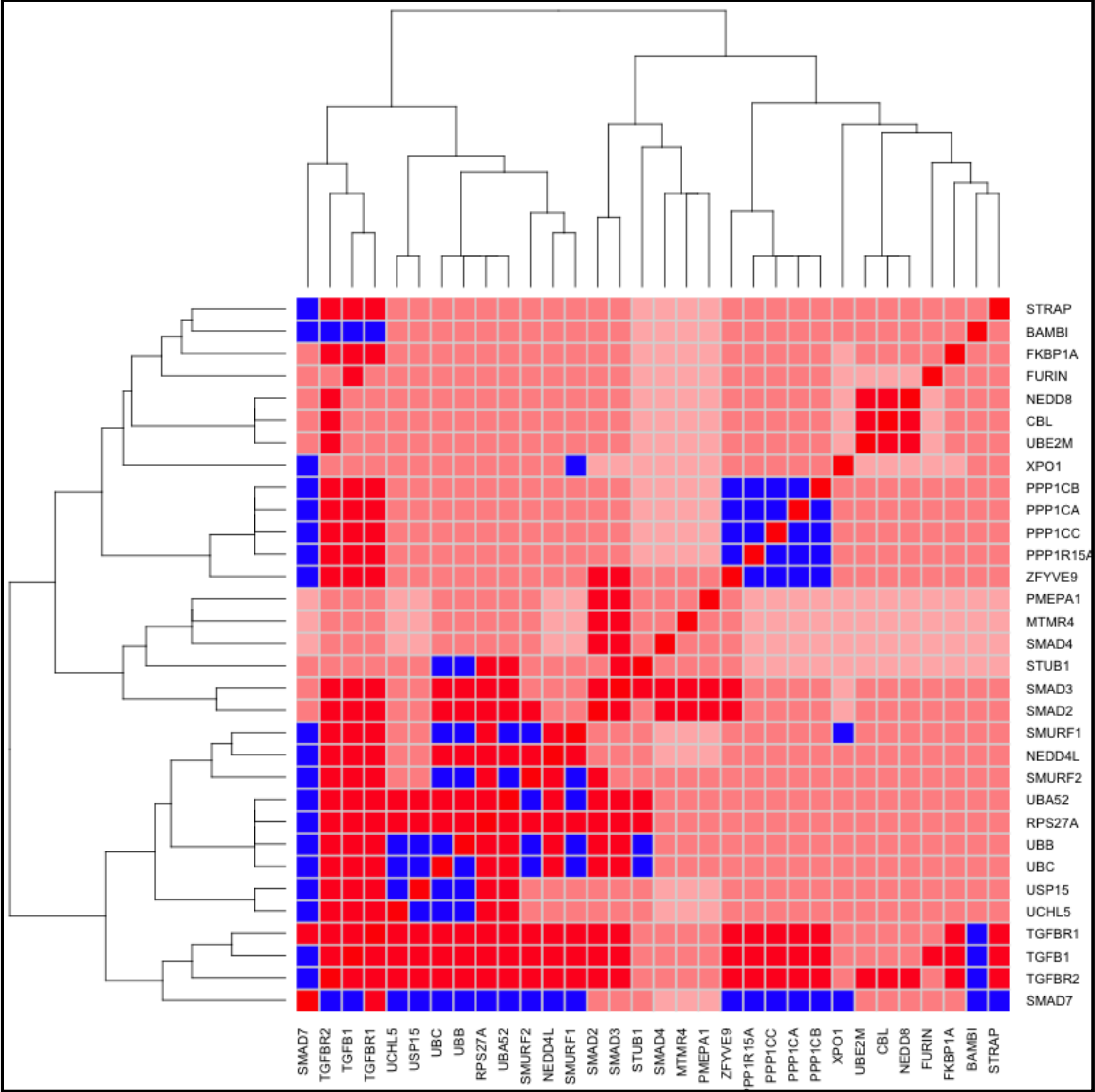


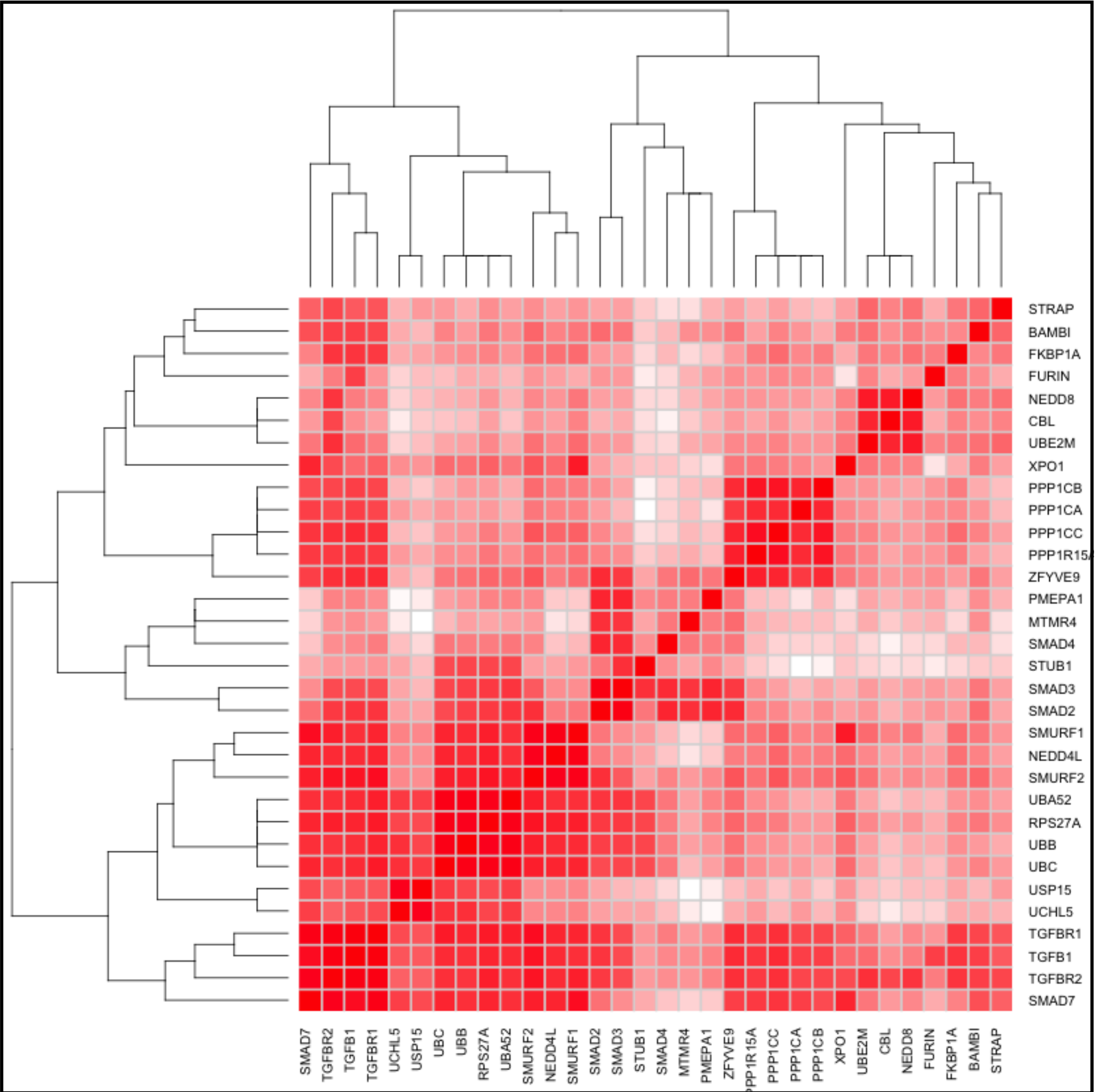
(a) TGF- $\beta$  activates SMADs



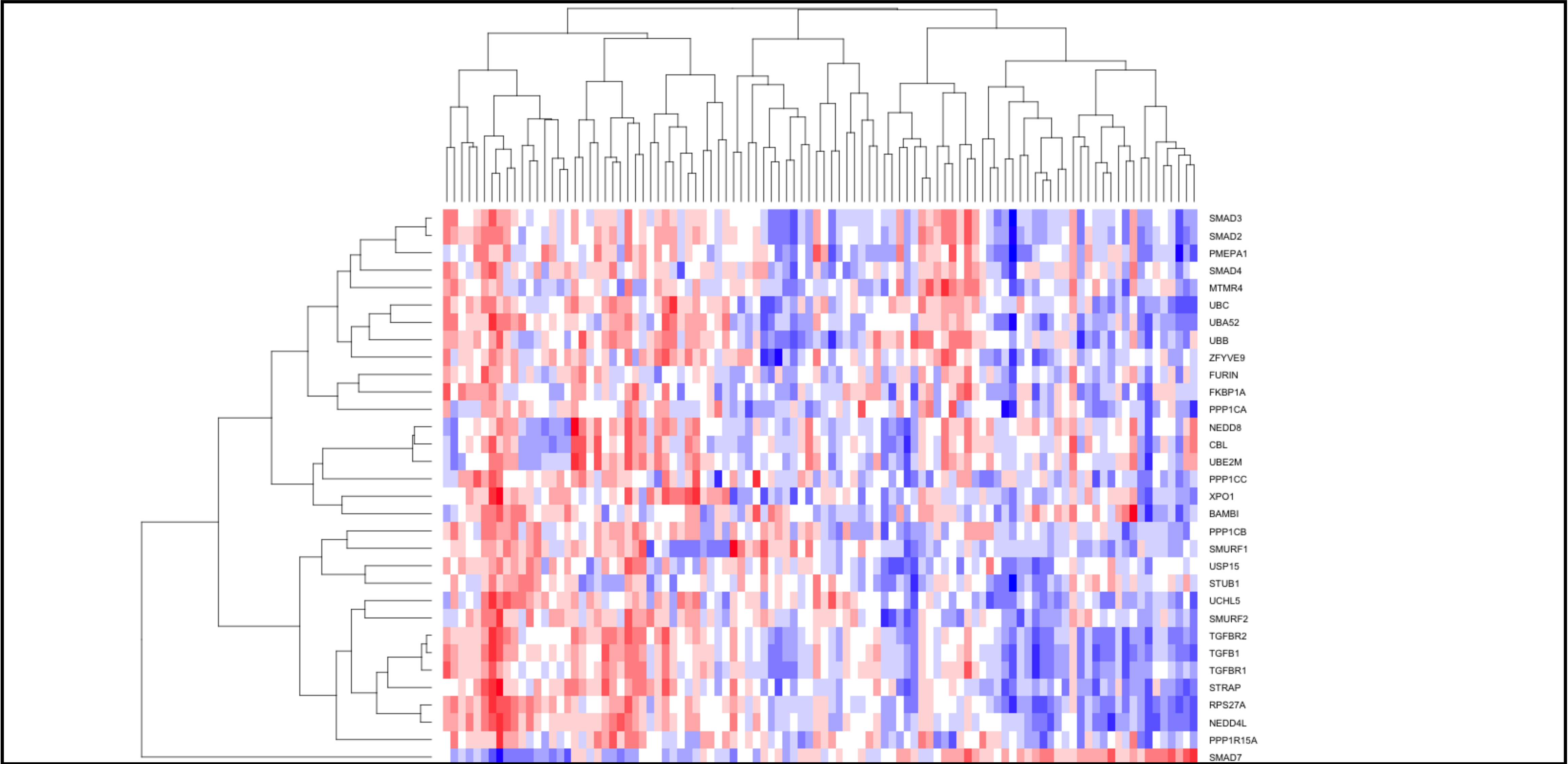
(b) Relationship matrix



(c)  $\Sigma$  (covariance matrix)



(d) Simulated correlation



(e) Simulated expression data (log scale)