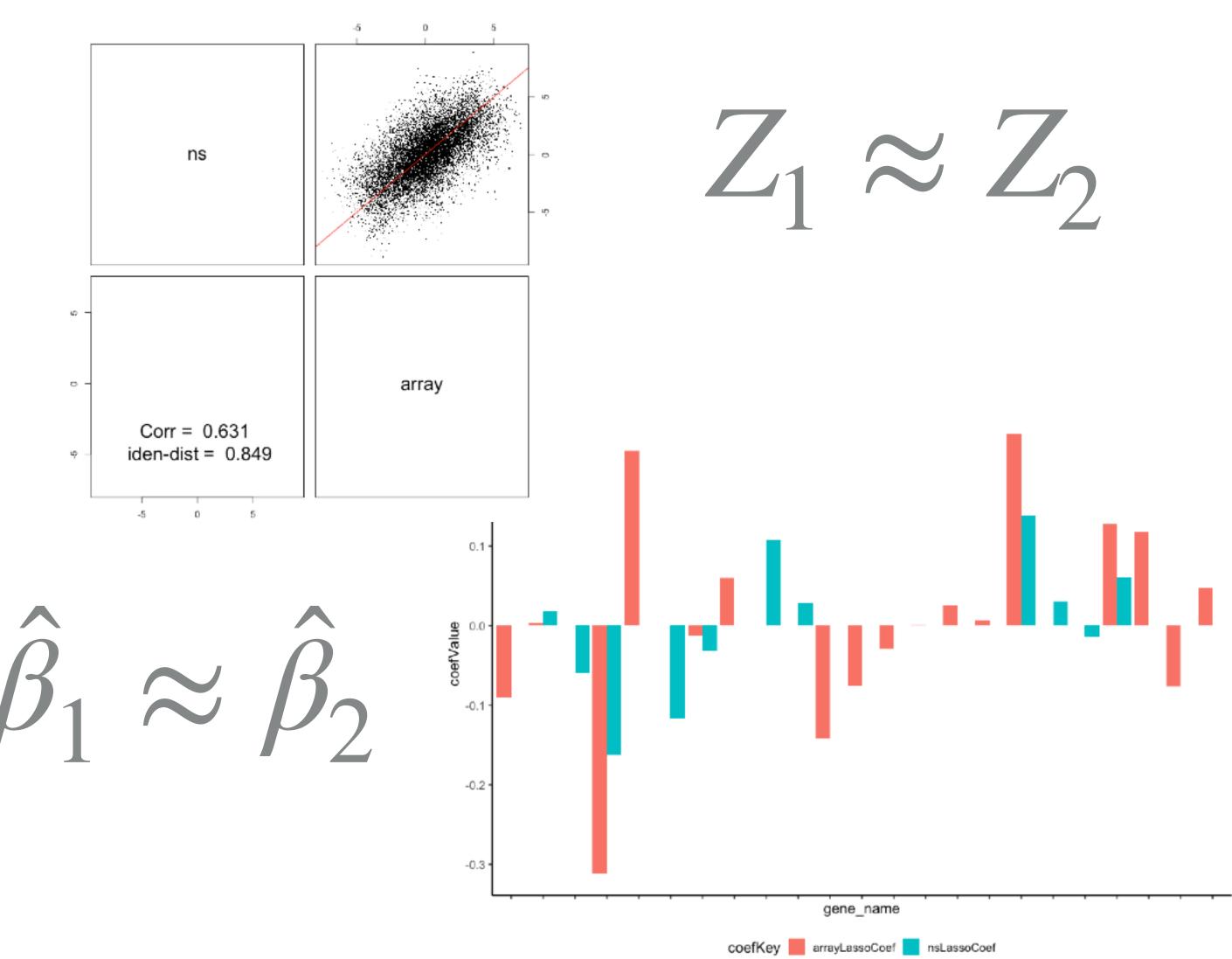
CPOP framework: weighted variable selection

1. Perform a weighted Lasso by placing higher weights on features closer to the identity line

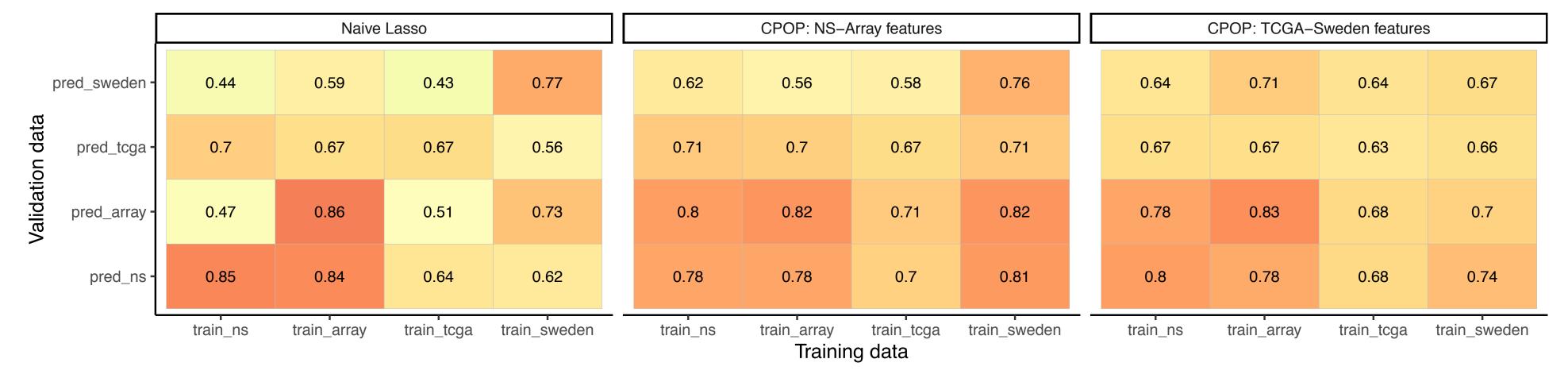
2. Perform a **Ridge regression** and only retain those features with coefficients similar to each other



CPOP results

Predictive
 performance of
 CPOP matches
 that of resubstitution.





2. Smaller identity
distance
between
predicted values



