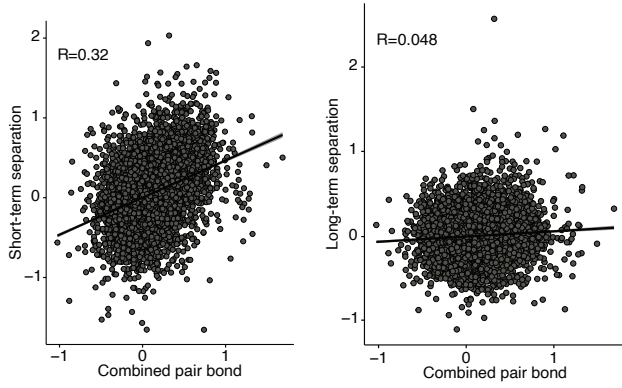


## Observed correlated gene expression

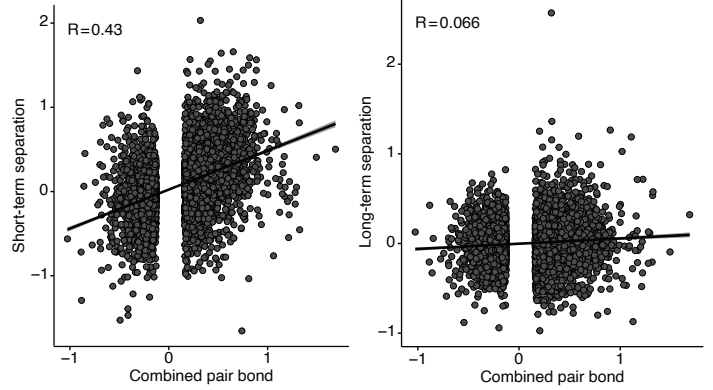
A

*All genes*



B

*Quartile 1 and 4 genes*

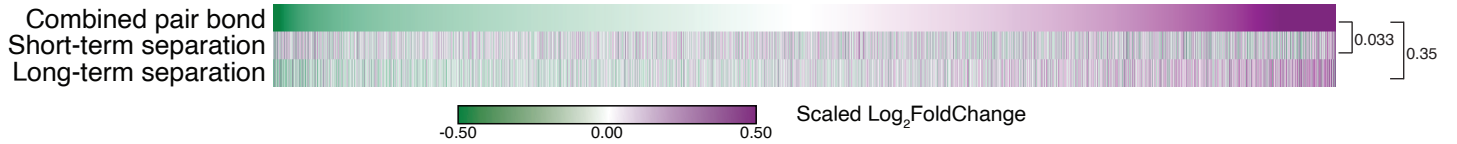


C

*Observed expression data*



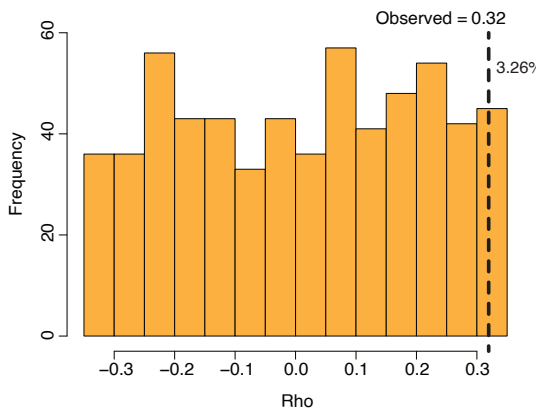
*Representative heatmap of observed combined pair bond and cohort shuffled ST and LT separation*



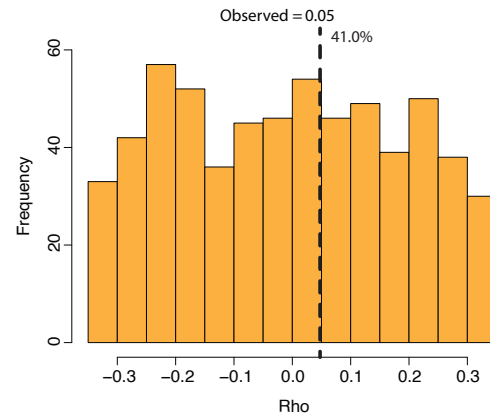
D

**Distributions of the correlation between observed combined pair bond and shuffled partner separation**

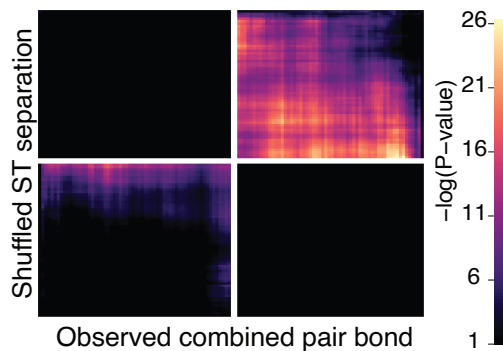
*Short-term separation*



*Long-term separation*



E



F

