Response **Predictors Target TF 1** TF N gene

Stability selection: Runs LARS R times, each time slightly randomly perturbing the expression data

LARS: add L predictors iteratively, each time choosing which one helps to explains the most X target

$$X_g = f_g \left(X_{\mathcal{T}_g} \right) = \sum_{t \in \mathcal{T}_g} \beta_{t,t} X_t$$

- Top L predictors: TF₂ ... TF₈ ... TF₅
- N-L TFs not selected

Final score for a link target – regulator: frequency at which the regulator is chosen in the top L predictors for the target