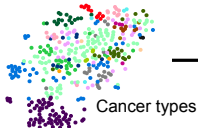
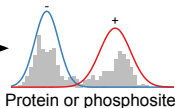


## Pan-cancer cell lines

RPPA  
 $z_1$   
 $x_1$   $y_1$



## Bimodal expression



Fast Greedy Search



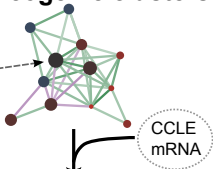
Bimodal coupling network

## Bayesian networks



Putative drivers

## Oncogenic clusters



## Small-molecules



- 1) EMT signature
- 2) Regulatory layer