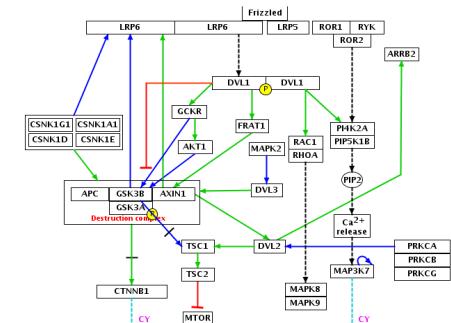
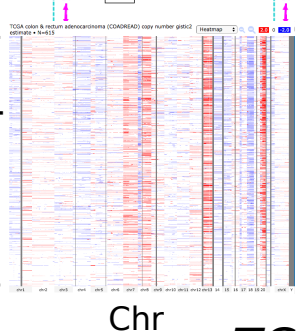


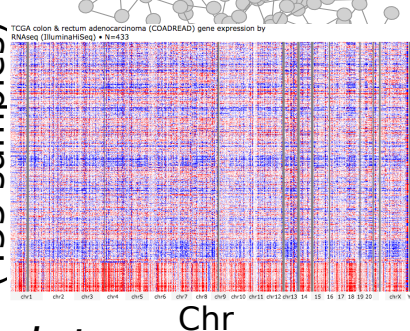
(a) *Wnt pathway*
(e.g., NetPath)



Copy Number
(615 samples)

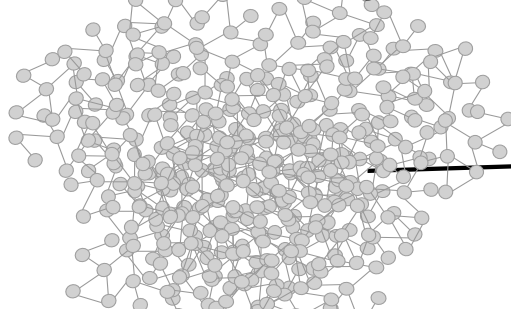


Gene Expression
(433 samples)



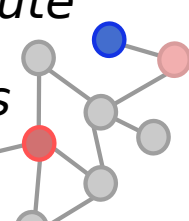
TCGA data

*Protein-protein
interactome*
(12K nodes, 150K edges)

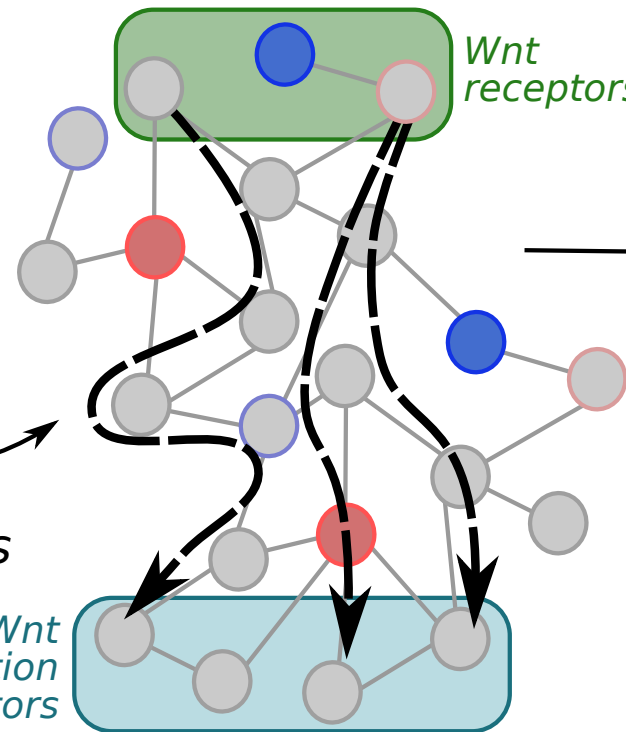


(b)

*Compute
node
scores*

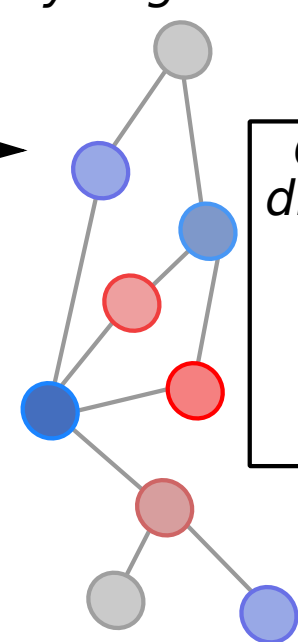


*Compute k
shortest paths*



(c)

*Reconstructed
dysregulated pathway*



*Candidate
driver genes*

- All paths
- All paths
- Two paths
- One path
- ...