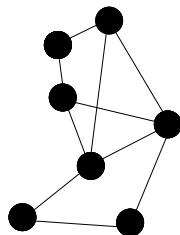
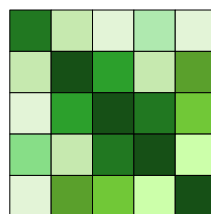


SCN1A
SCN2A

Seed genes



Protein-protein
interaction network

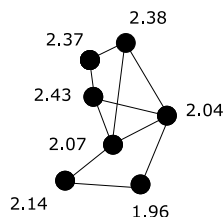


Co-expression
network

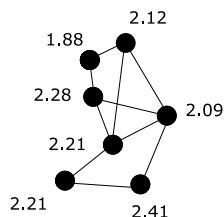
A1BG	5
A1CF	4
A2M	6
A2ML1	16
A4GALT	2

Truncating variants
in control population

SCN1A

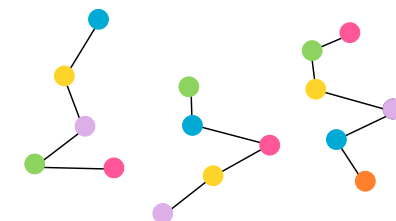
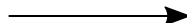


SCN2A

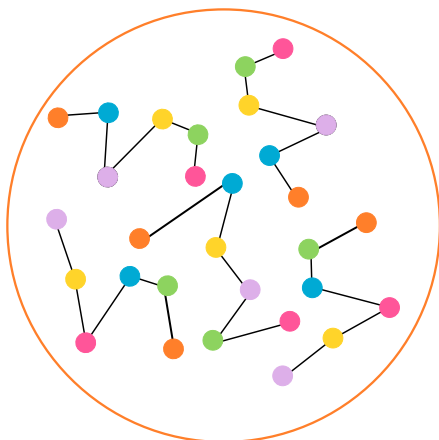


Gene scoring relative
to seed gene(s)

Maximization



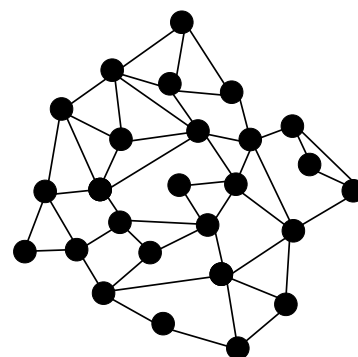
Seed pathway formation



Local search



Insertion
Deletion
Swapping



Top-scoring module