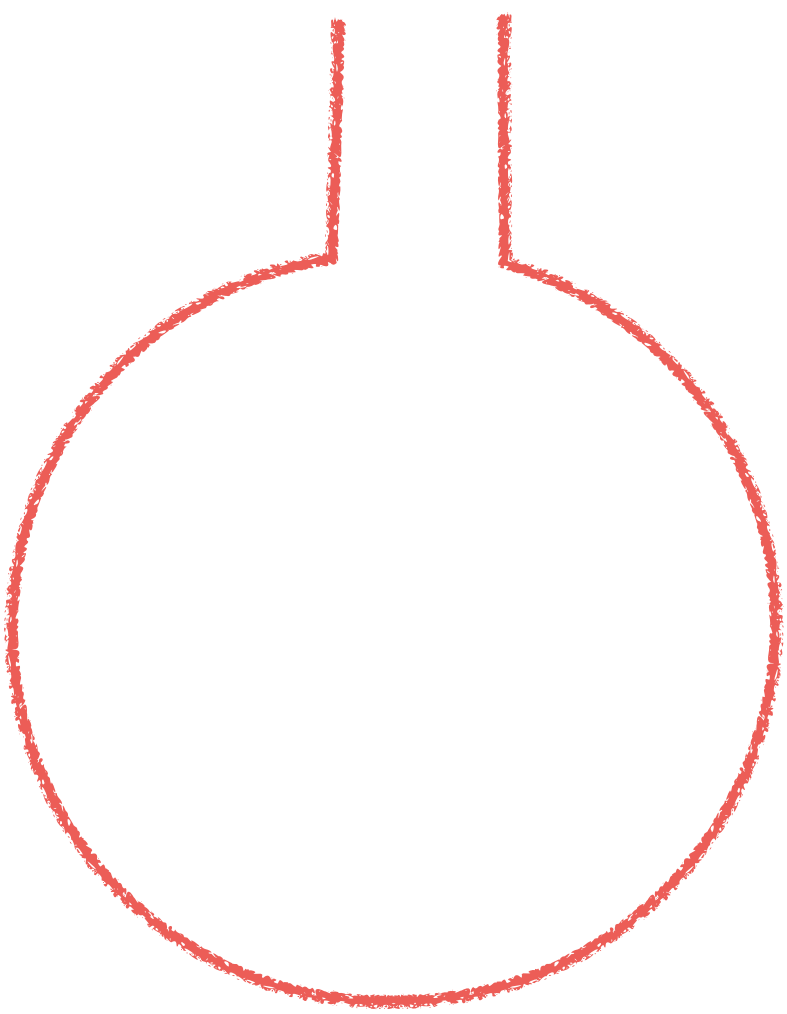


Over-representation analysis





















































Genome with 34,000 genes

340 have GO term:

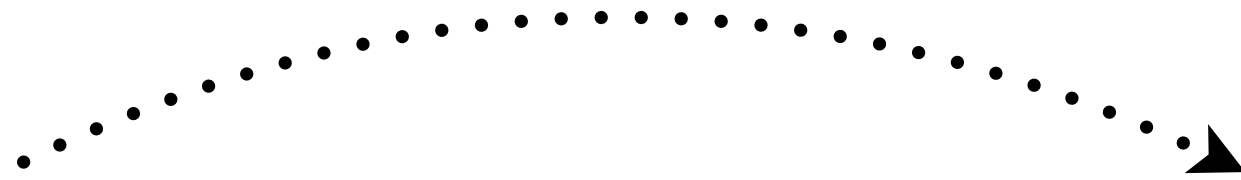
“Cell wall modification”



Find 1,000 genes differentially
expressed in response to shade.

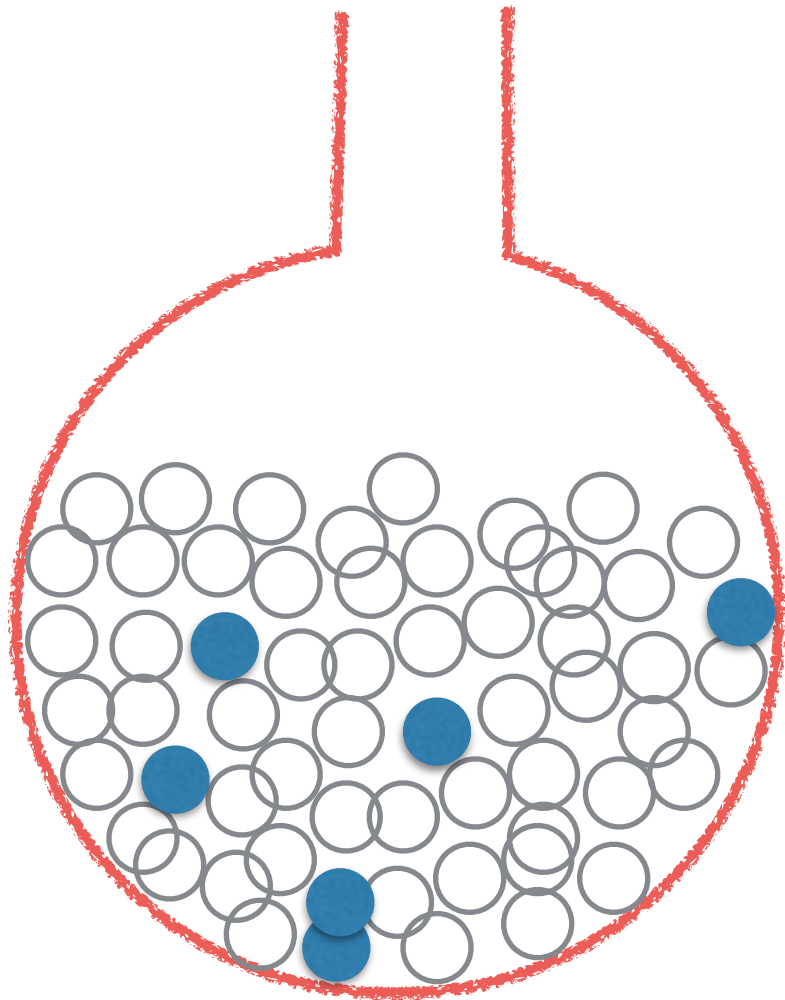
How many do you expect to have the GO term “cell wall modification”?

Over-representation analysis



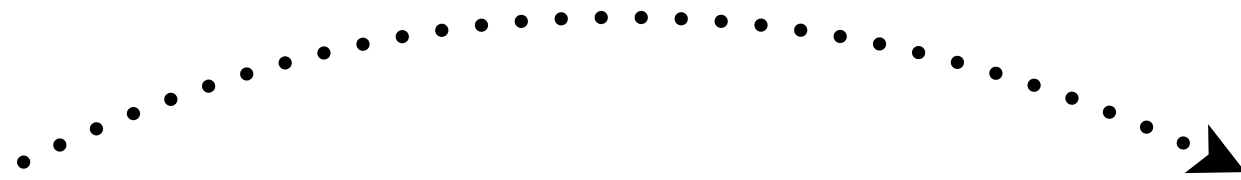
Find 1,000 genes differentially expressed in response to shade.

How many do you expect to have the GO term “cell wall modification”?



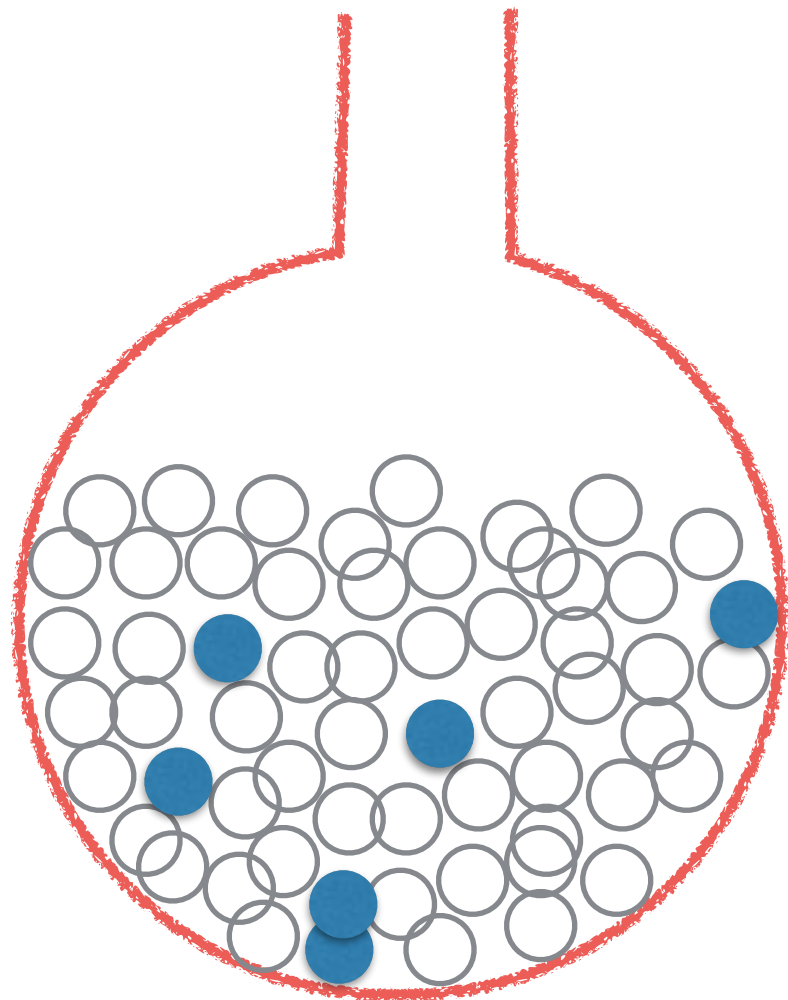
Genome with 34,000 genes
340 have GO term:
“Cell wall modification”

Over-representation analysis



Find 1,000 genes differentially expressed in response to shade.

50 of these 1,000 have the GO term “Cell wall modification”



Genome with 34,000 genes
340 have GO term:
“Cell wall modification”