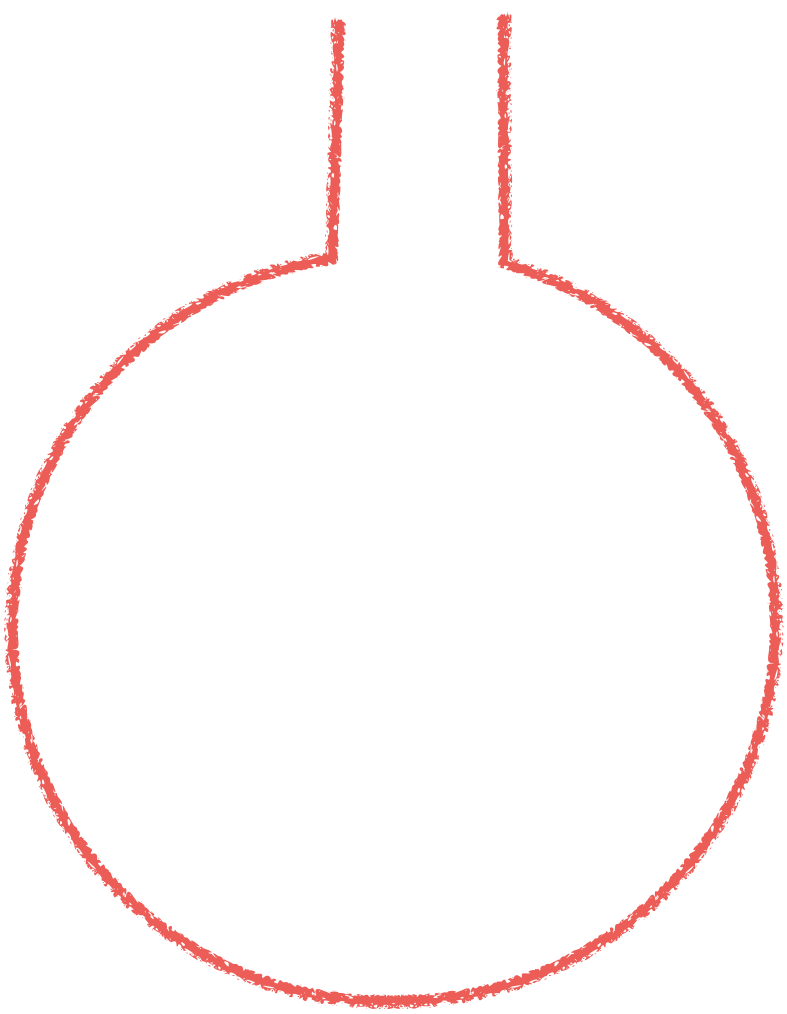


Over-representation analysis

















































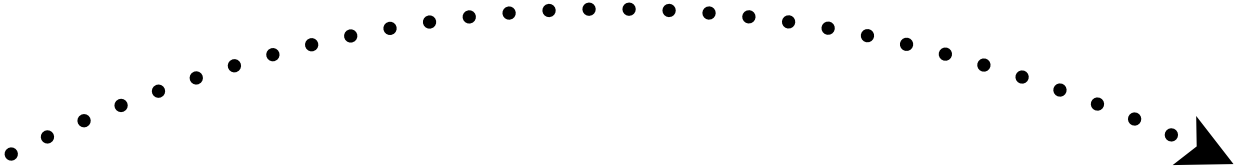




Genome with 34,000 genes

340 have GO term:

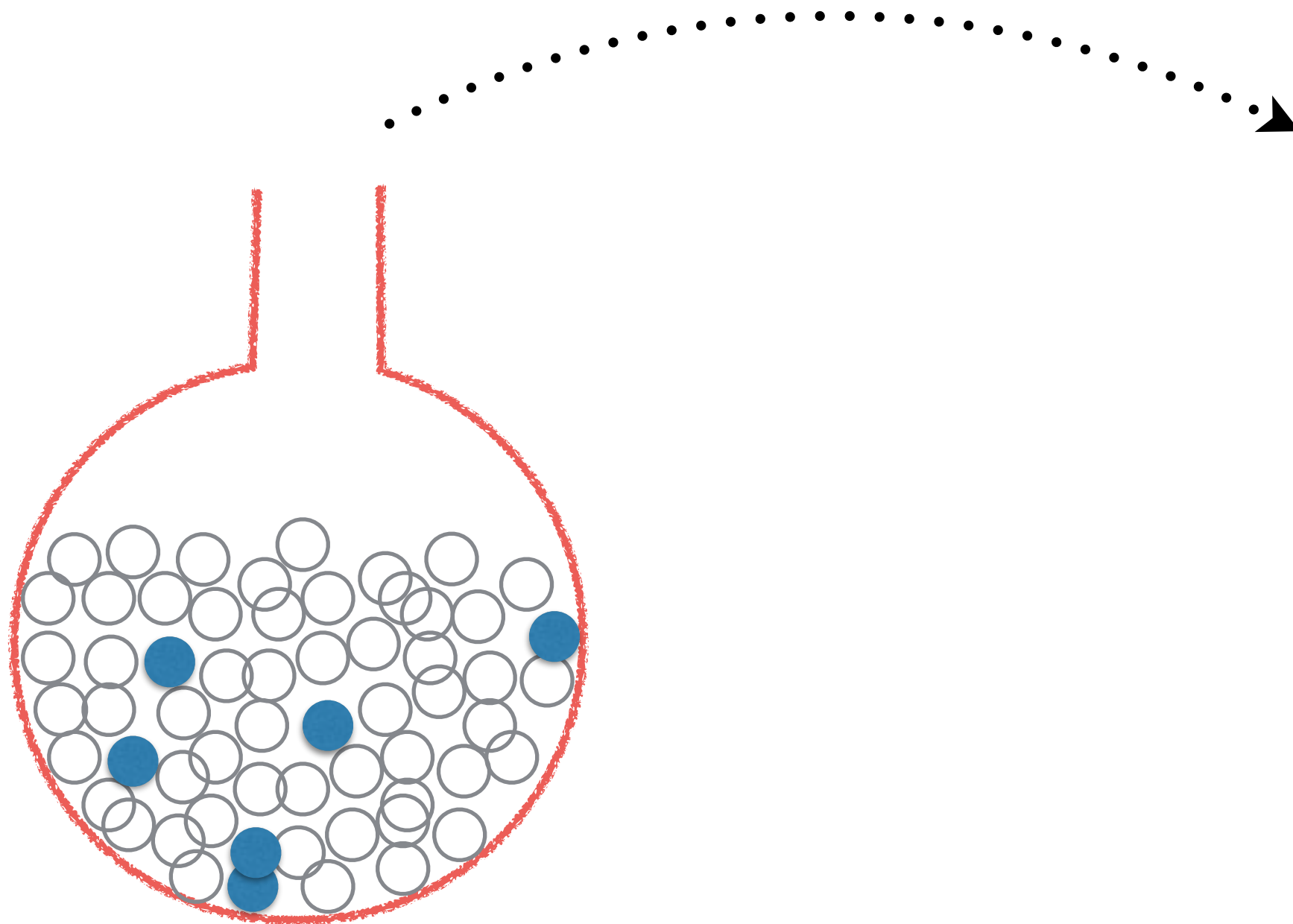
“Cell wall modification”



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

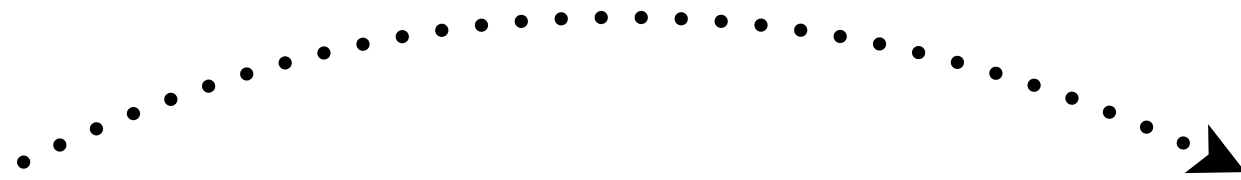
50 of these 1,000 have the GO
term "Cell wall modification"

Over-representation analysis: additional considerations



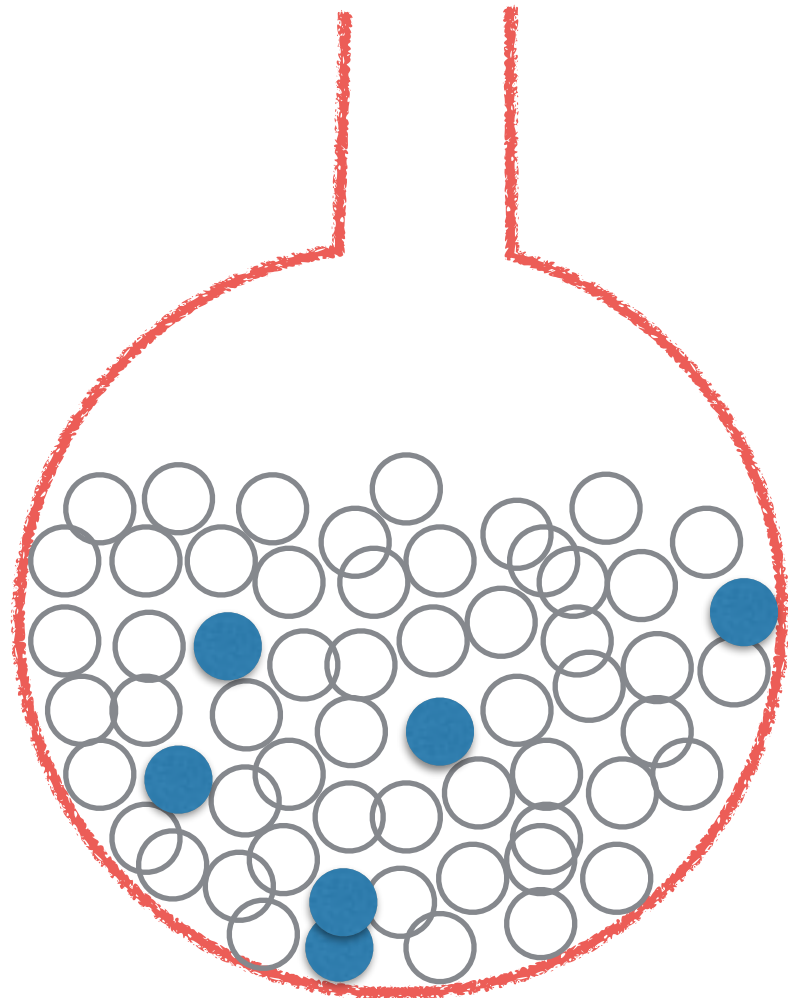
The Jar (aka Universe) should only contain **expressed genes**. (Why?)

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"