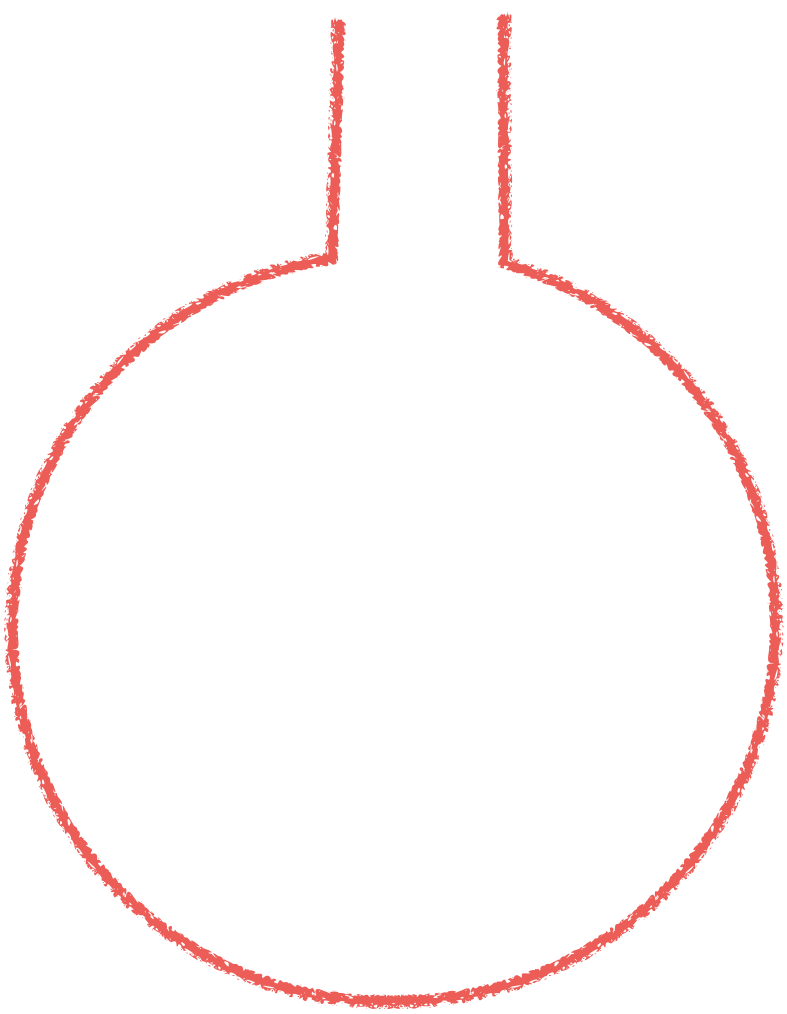




Over-representation analysis





















































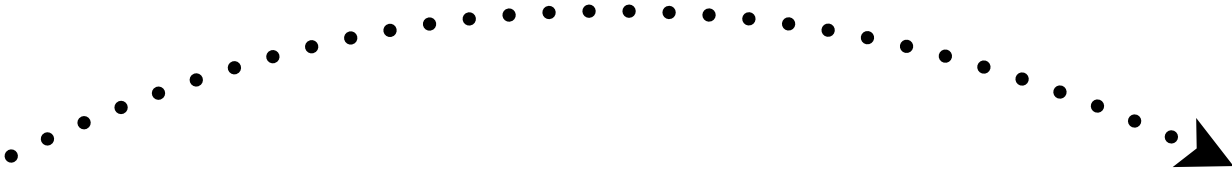






Jar with 10000 marbles

8000 white, 2000 blue

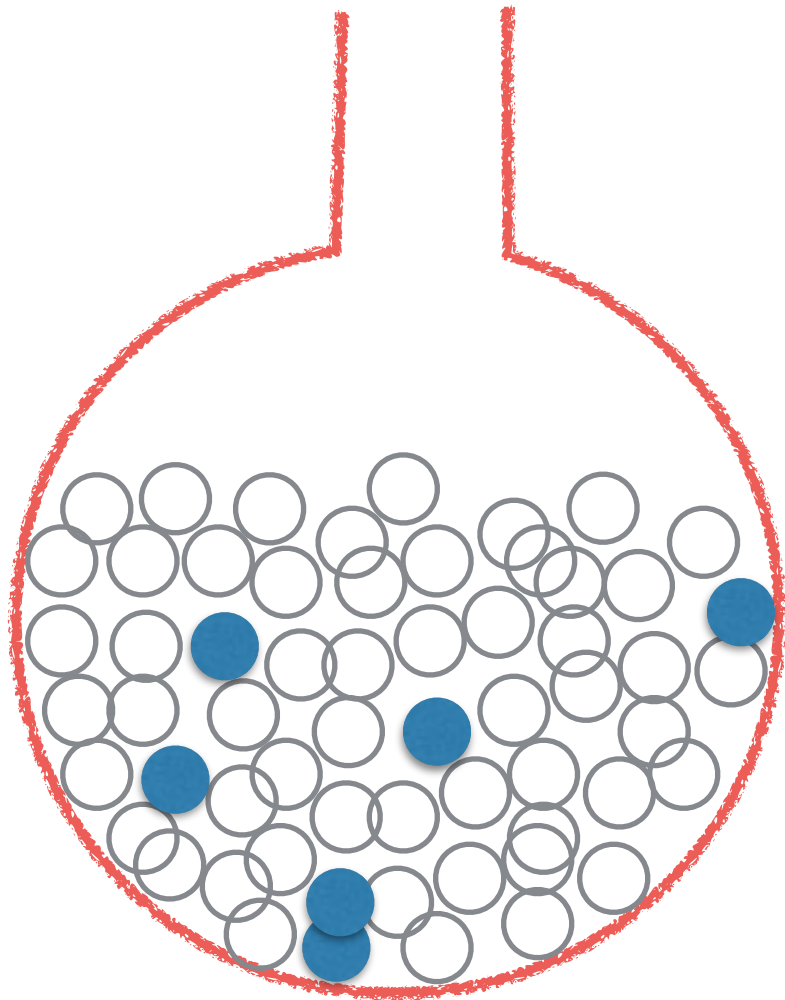


What if you find  
10 white and 10 blue?

**Blues are over-represented**  
in your sample

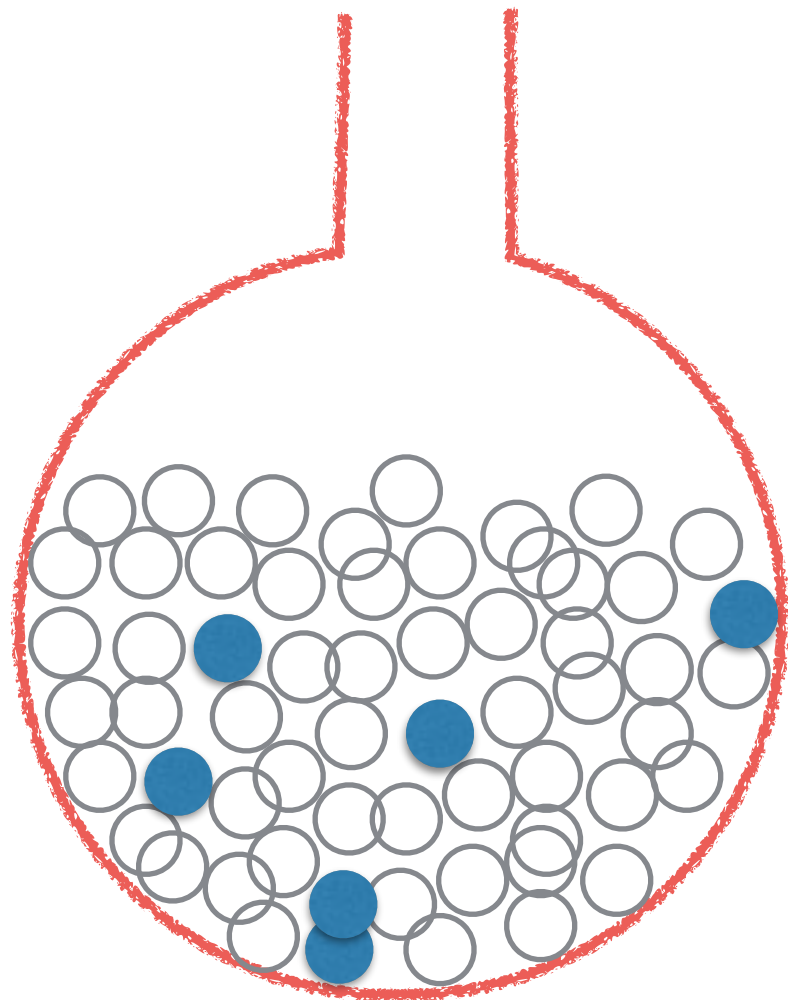
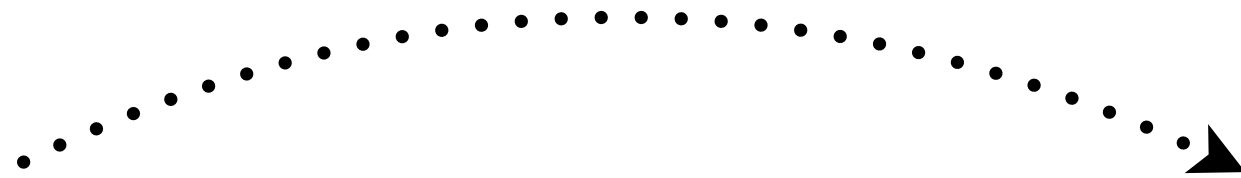


# Over-representation analysis



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

# Over-representation analysis



What if you find  
10 white and 10 blue?

Blues are **over-represented**  
in your sample

Jar with 1000 marbles  
800 white, 200 blue