

Statistical tests for over (or
under) representation:

- Build a contingency table categorizing genes by D.E. and GO
- Use a (modified) Fisher's Exact Test to look for unequal ratios (is 32710:950 different from 290:50)

		NO	YES
	NO	32,710	950
	YES	290	50

Promoter Motif Analysis

Statistical tests for over (or under) representation:

- Build a contingency table categorizing genes by D.E. and GO

		Differentially Expressed	
		NO	YES
GO term “cell wall modification” present?	NO	32,710	950
	YES	290	50

- Use a (modified) Fisher’s Exact Test to look for unequal ratios (is 32710:950 different from 290:50)