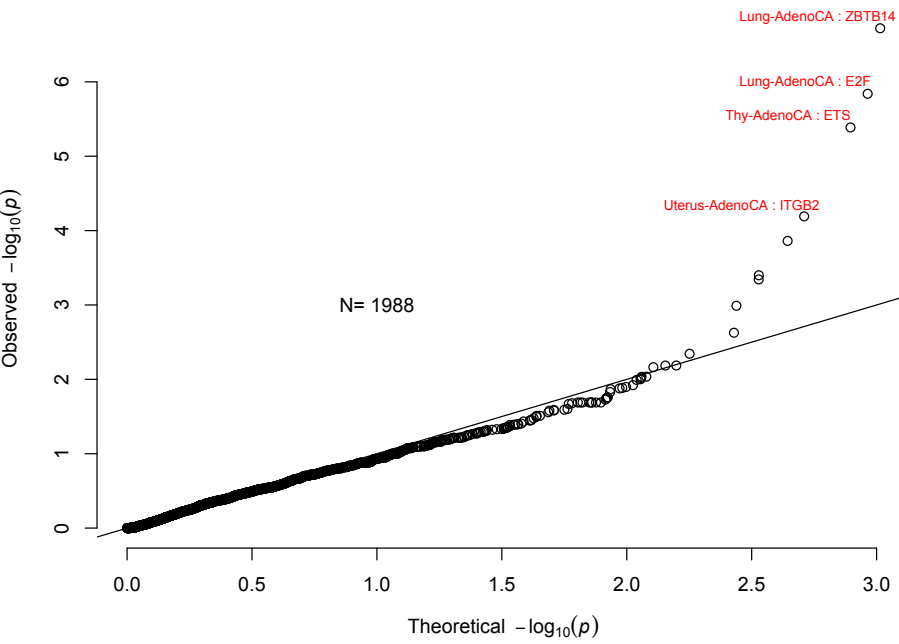


Motif change

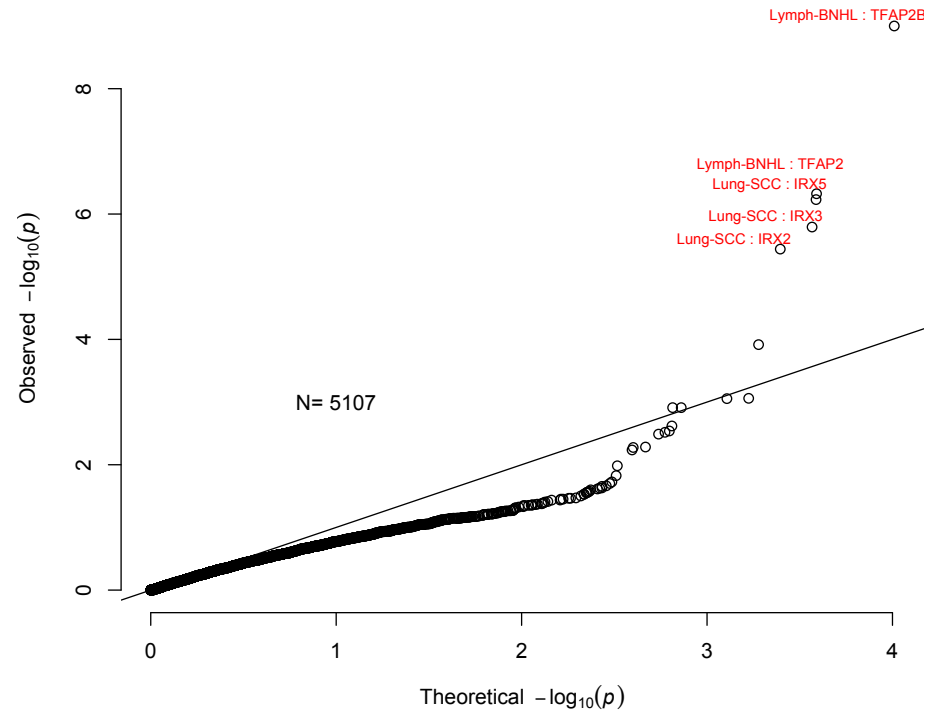
- Methods:
 - In each cancer type, for every TF:
 - Multiple events in promoters, affecting multiple genes
 - Rank sum test on every gene exp. (mut. versus wild)
 - Take the ratio of medians
 - Combine p-values using Fisher's methods
 - Combine ratios using geometric mean
 - Statistics comes in "Type:TF" pairs

p values

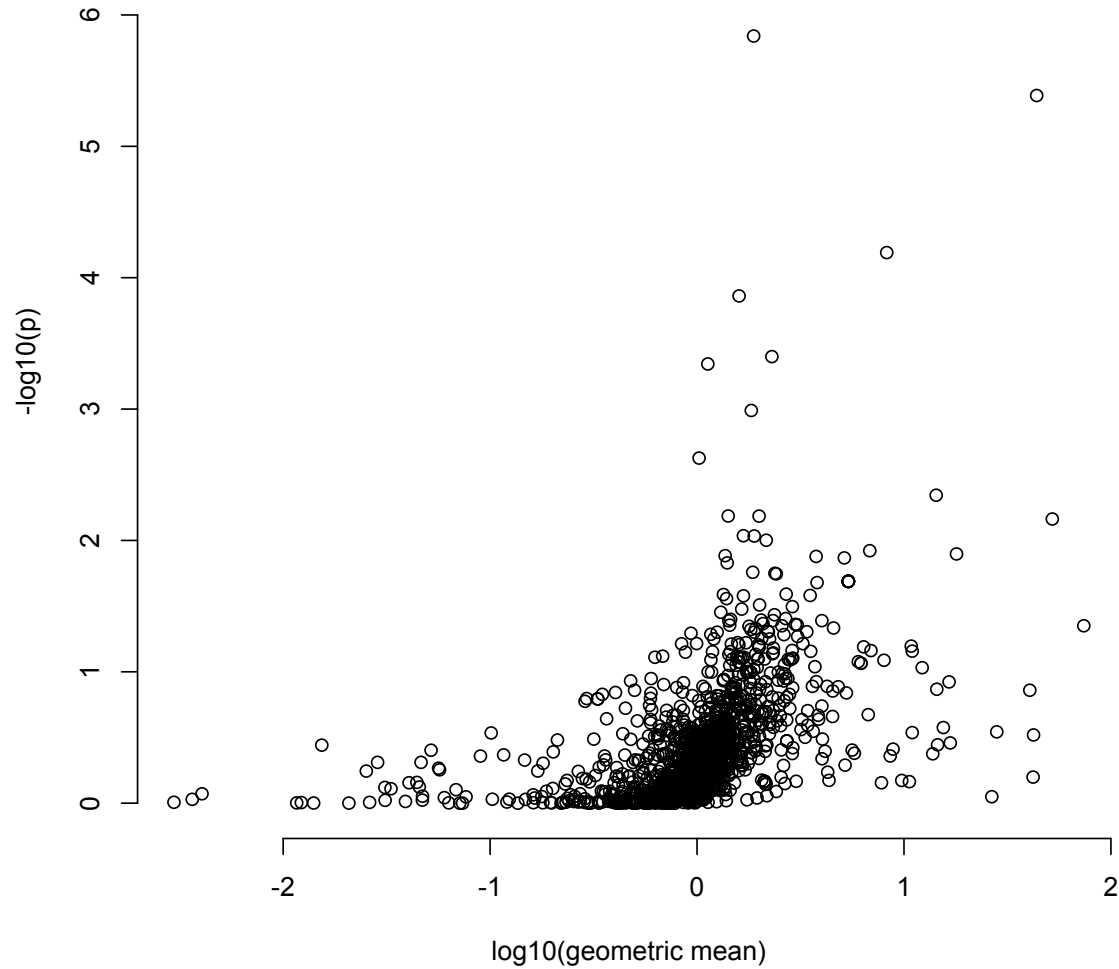
Gain



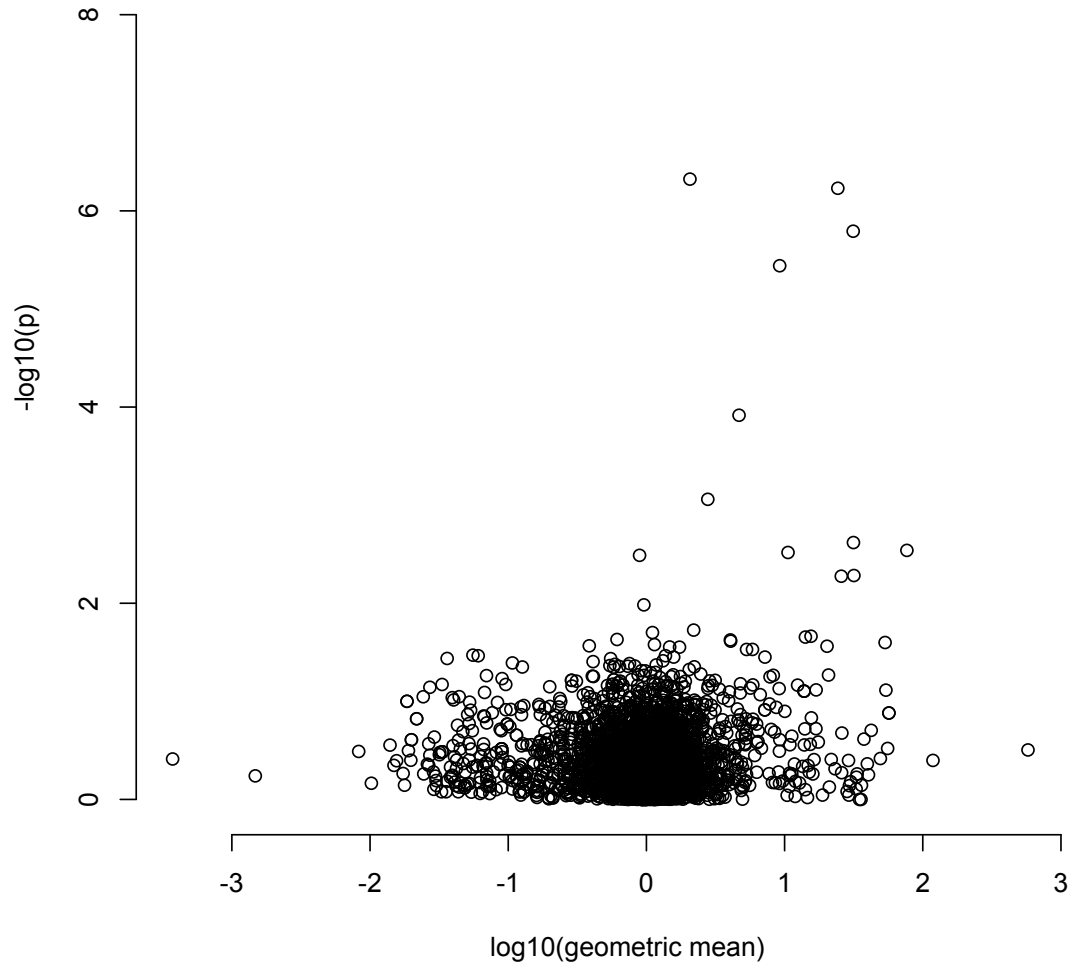
Break



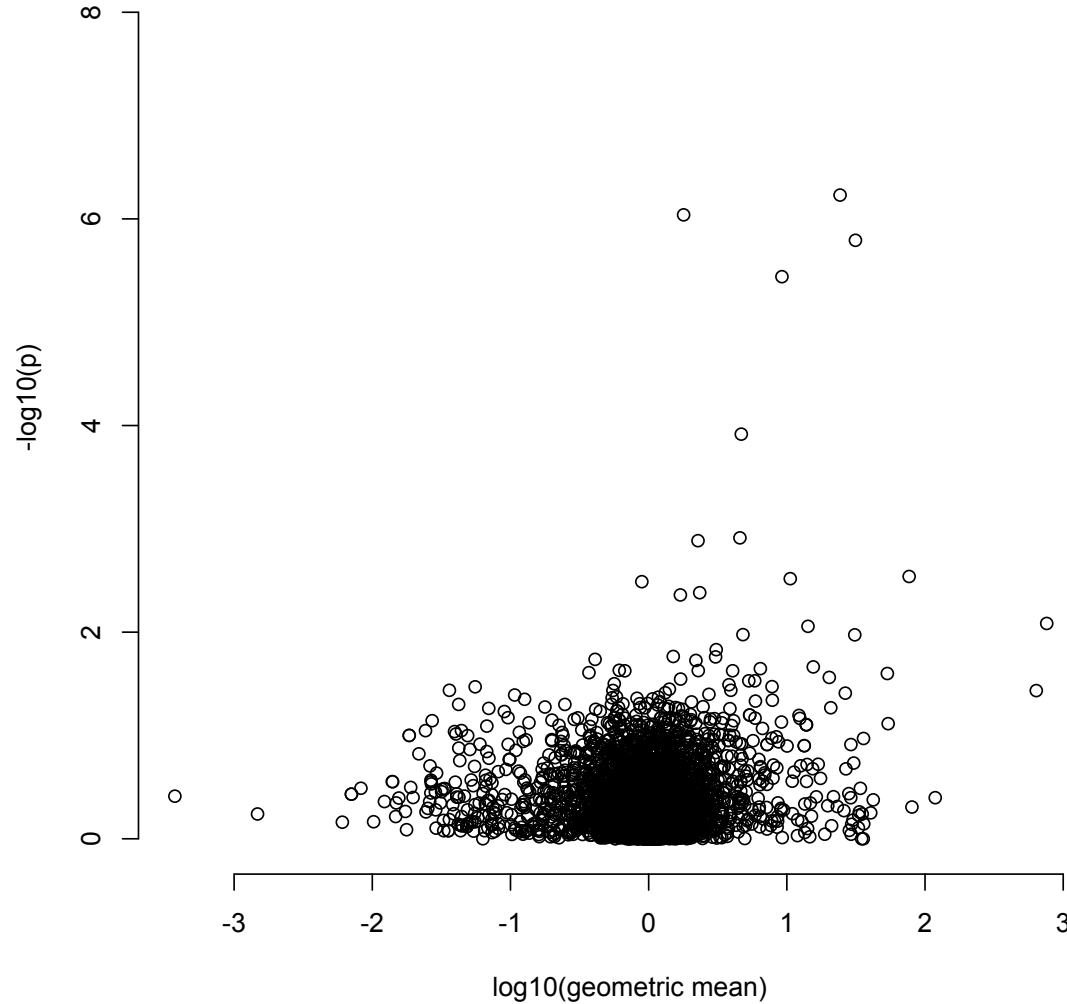
Motif gain (one sided)



Motif breaks (two sided)

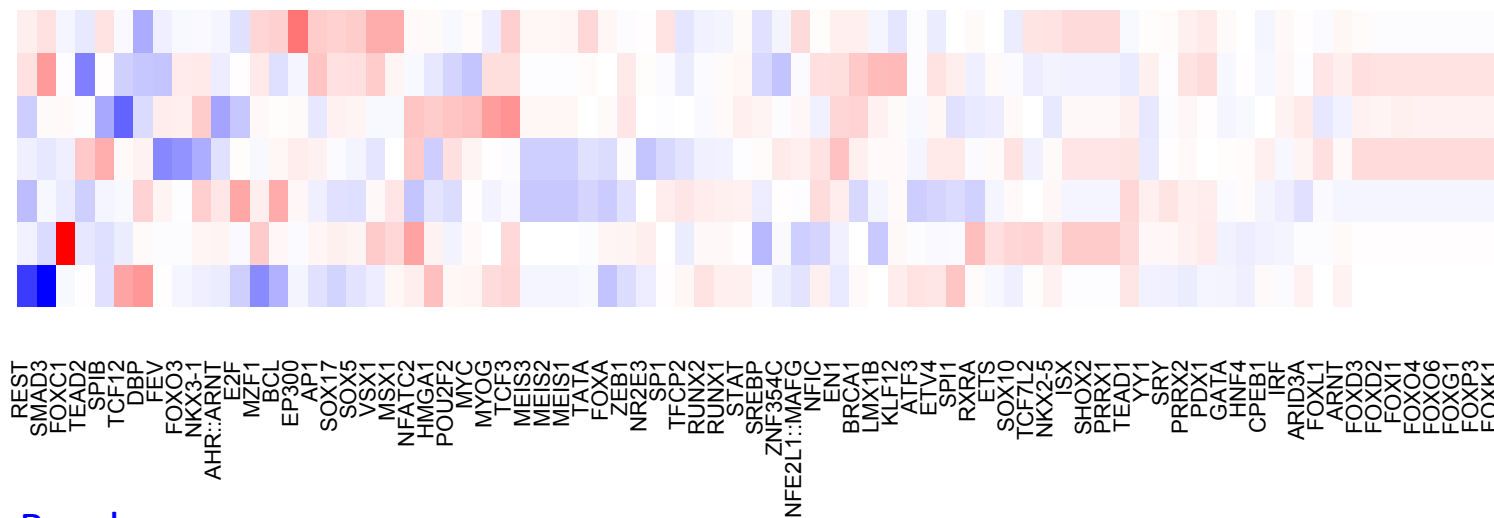


All motif changes (two sided)



Mostly driven by motif breaks

Gain



Break

