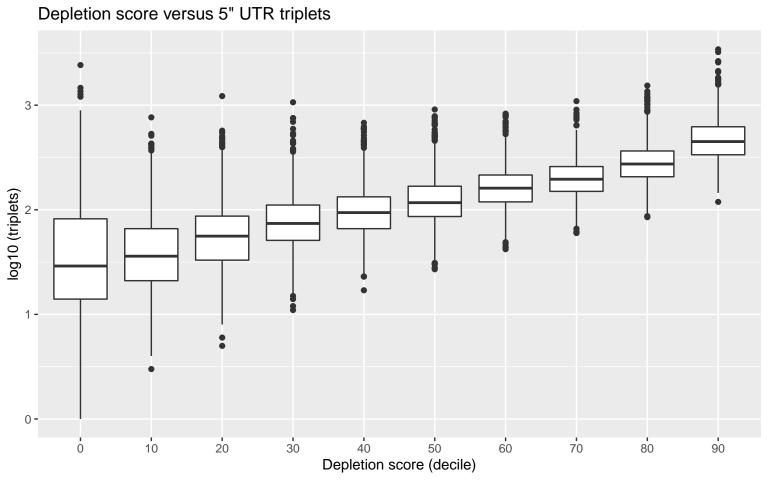
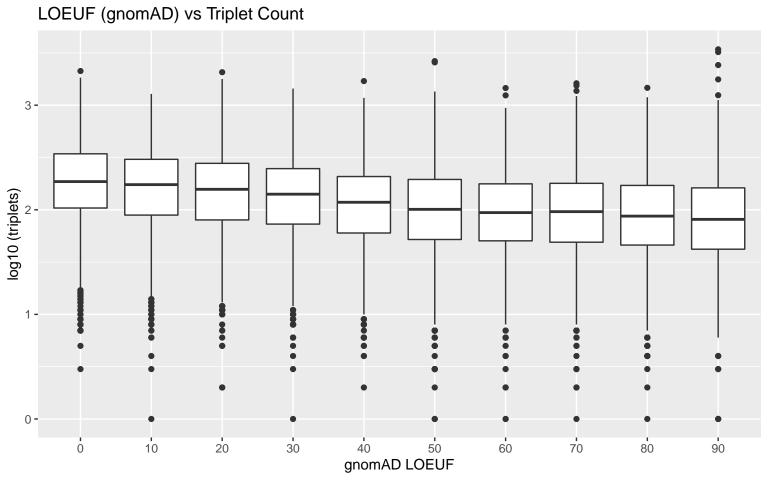


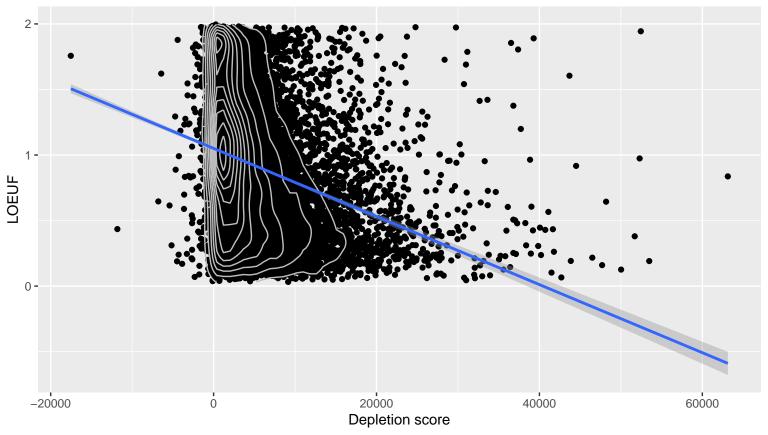
Depletion score distribution and deciles 4000 -3000 -Frequency - 0000 -1000 -0 -25000 50000 Depletion score





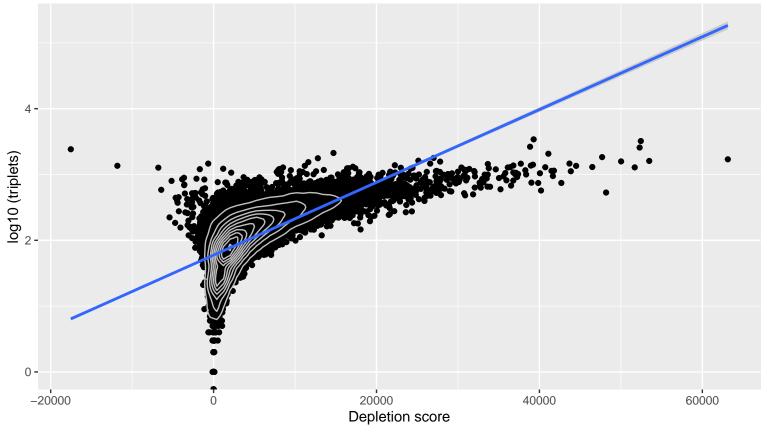
## Depletion Score versus LOEUF

Pearson correlation = -0.2833 (P-value = 6.80e-241)

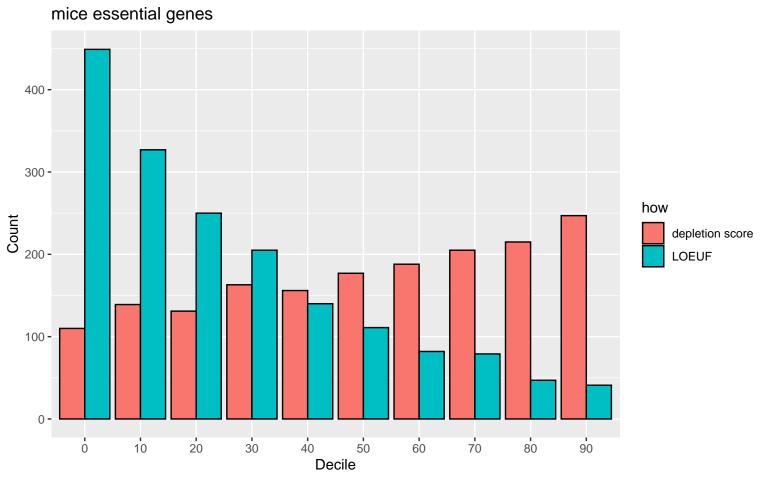


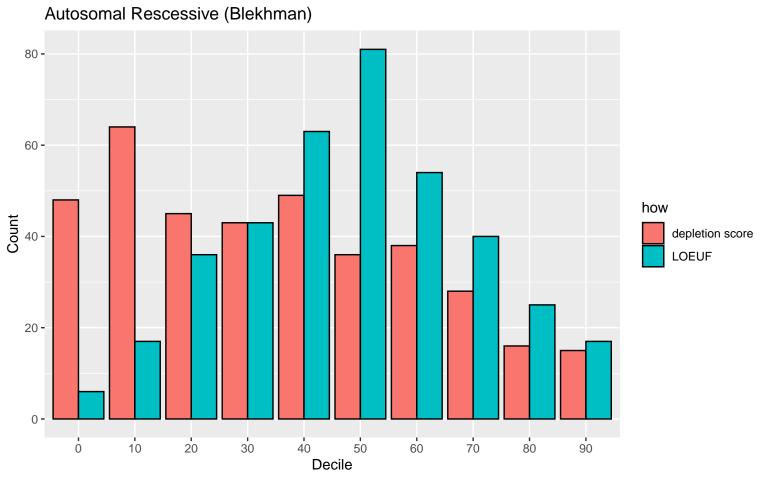
## Depletion Score versus triplets

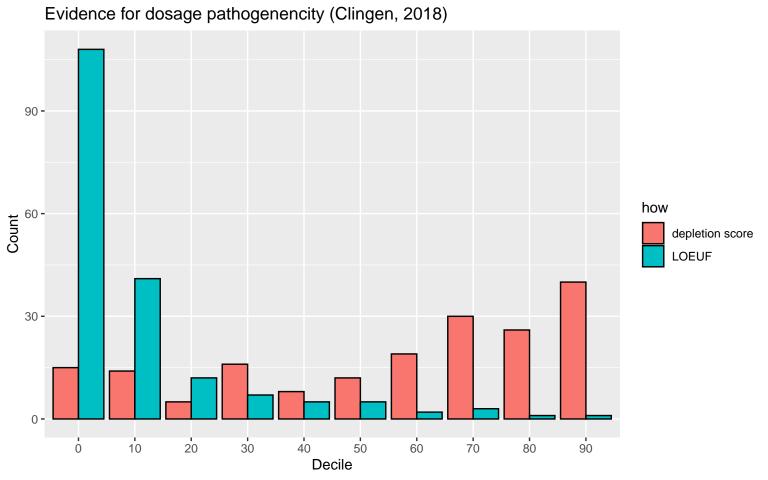
Pearson correlation = NaN (P-value = NaN)



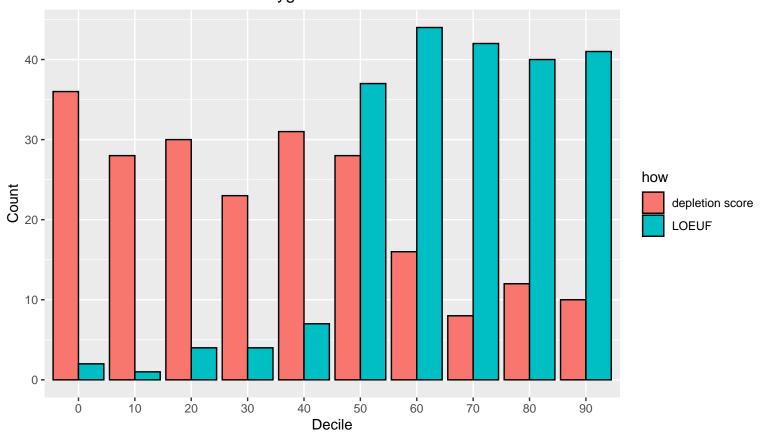
LOEUF deciles versus depletion score 60000 -40000 -Depletion score 20000 -0 --20000 **-**10 90 20 30 60 70 80 40 50 LOEUF deciles

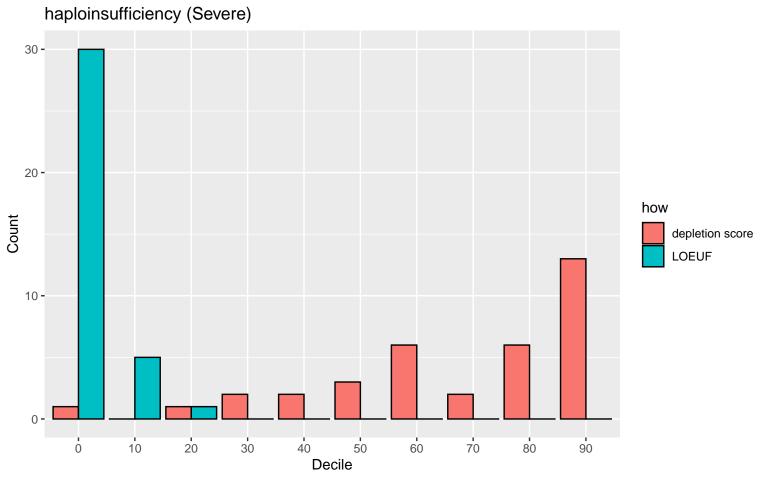




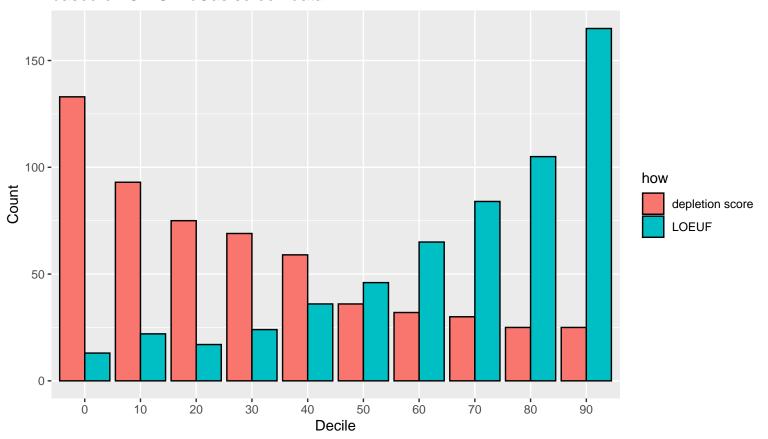


Genes with at least two different high-confidence LoF variants found in a homozygous state in at least one individual in ExAC





Genes deemed non-essential in multiple cultured cell lines based on CRISPR/Cas screen data



Closest gene to GWAS hits with P < 5-e8 in the NHGRI GWAS catalog 600 -400 how Count depletion score LOEUF 200 -0 -10 20 30 40 50 90 60 70 80 0 Decile

