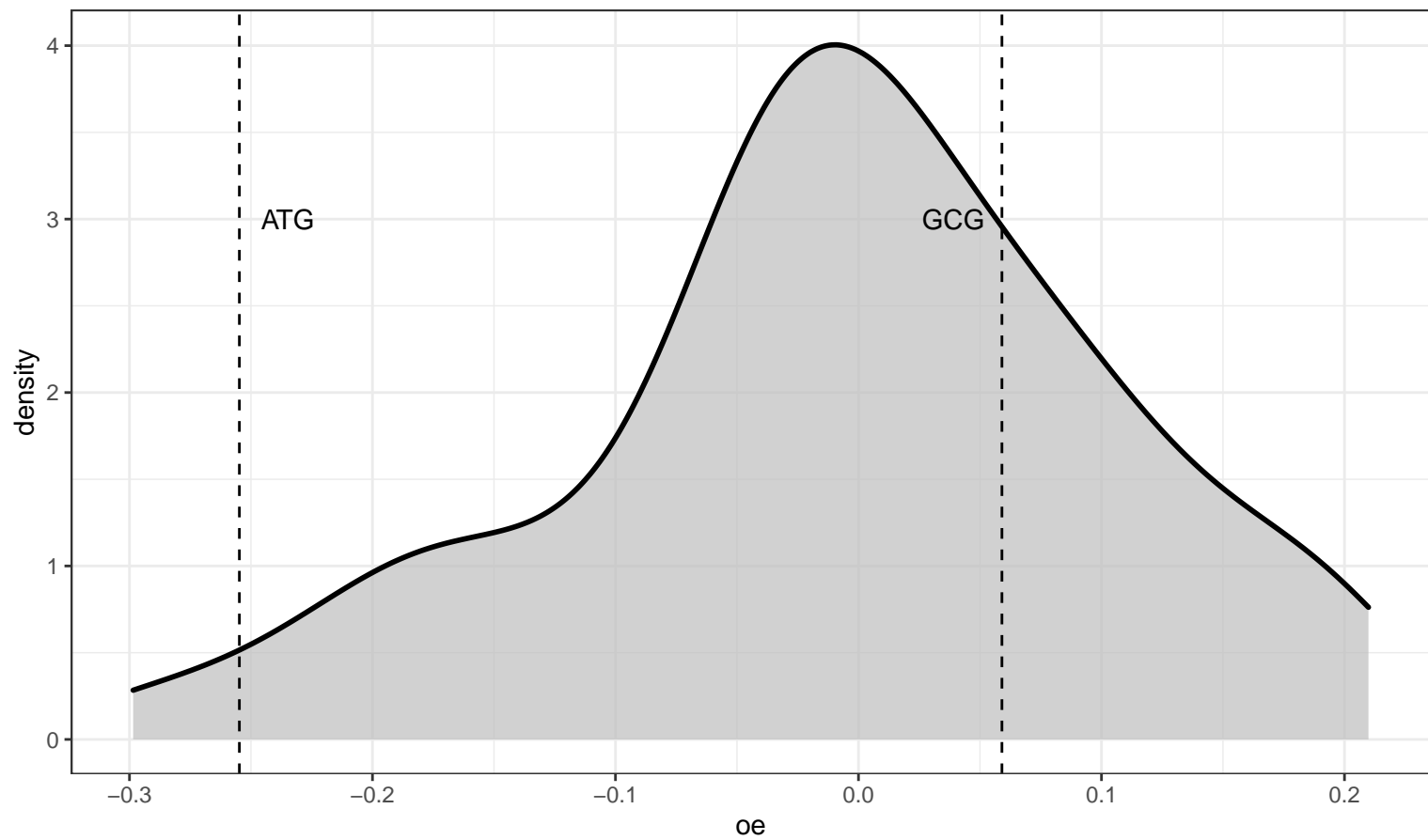
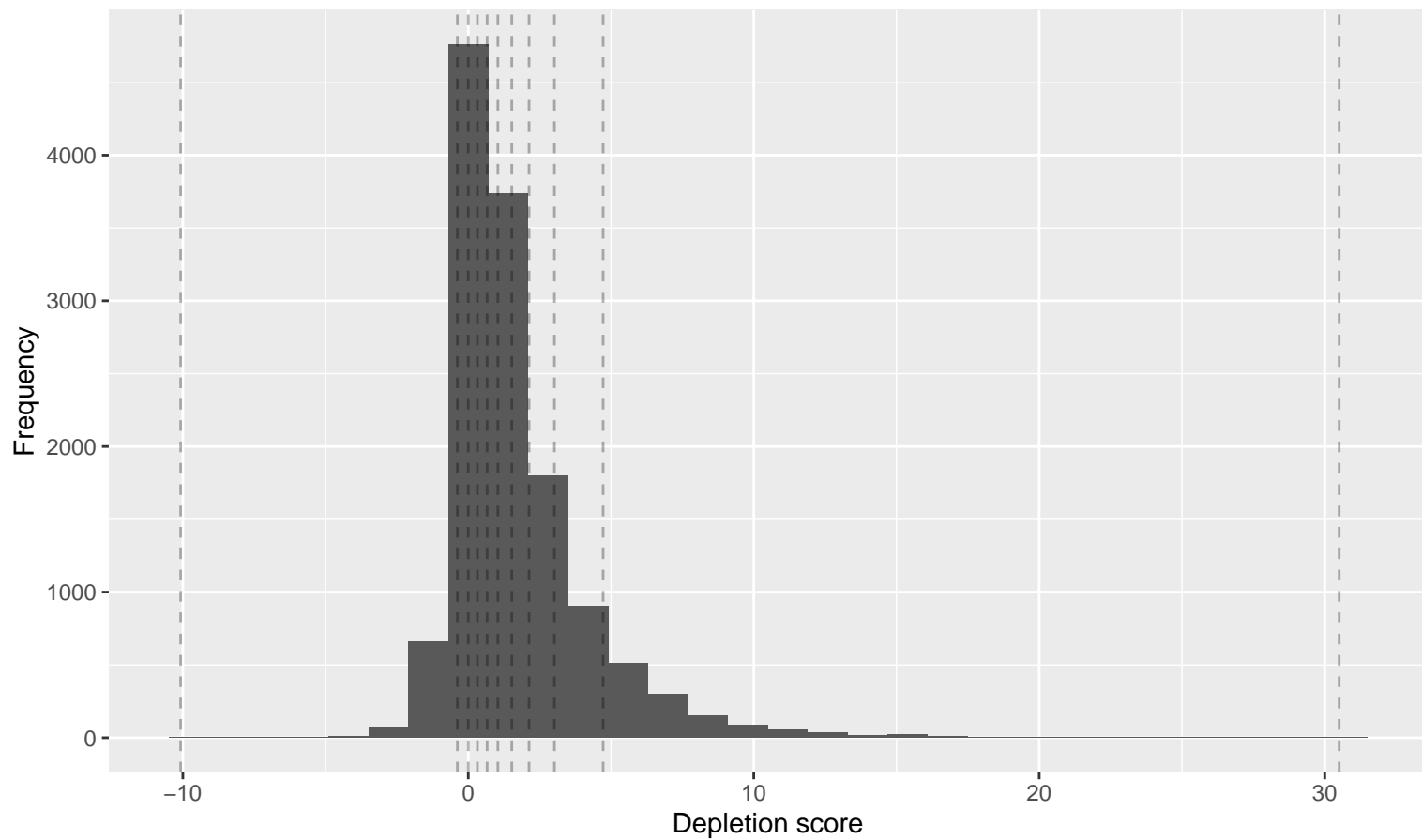


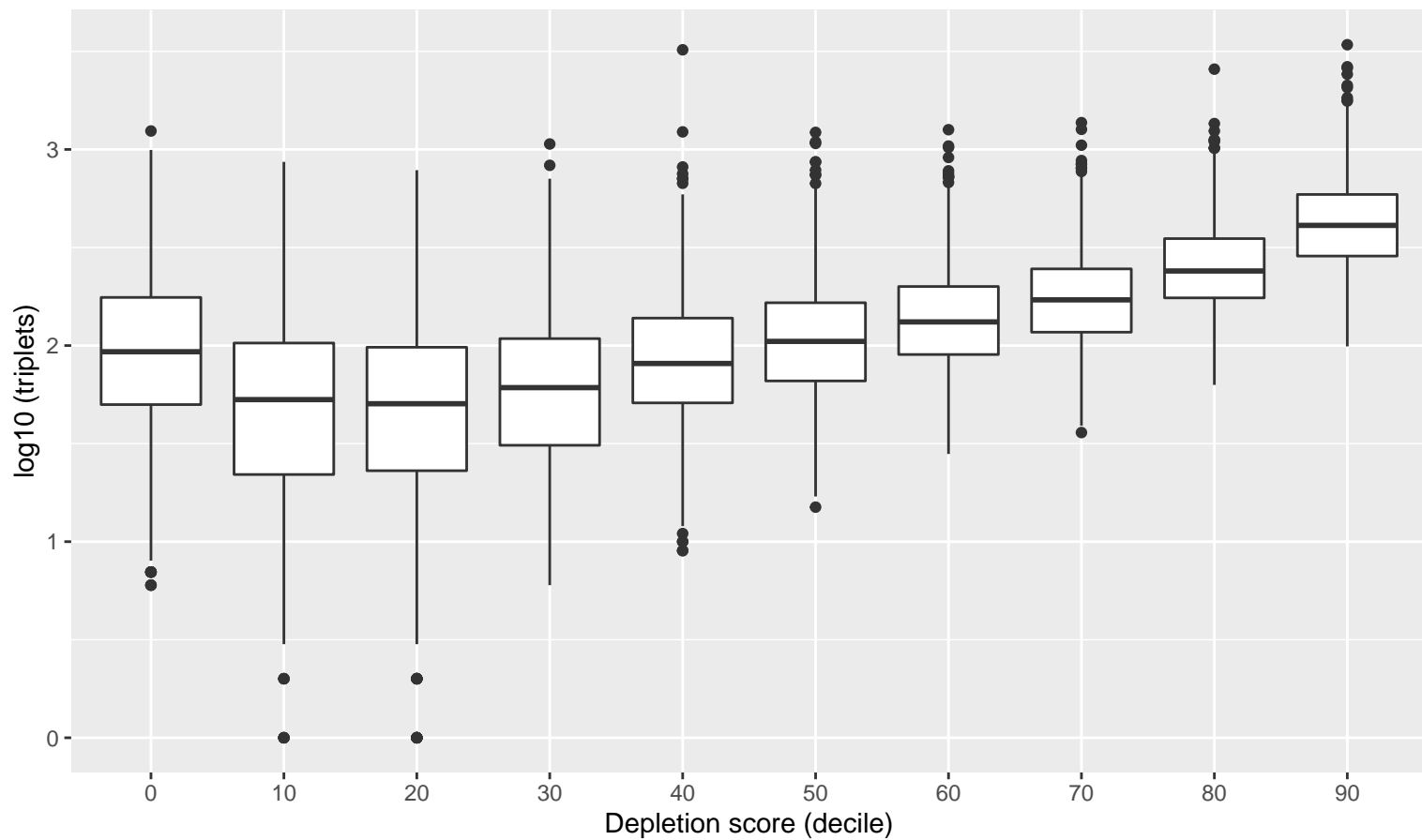
O/E weight distribution



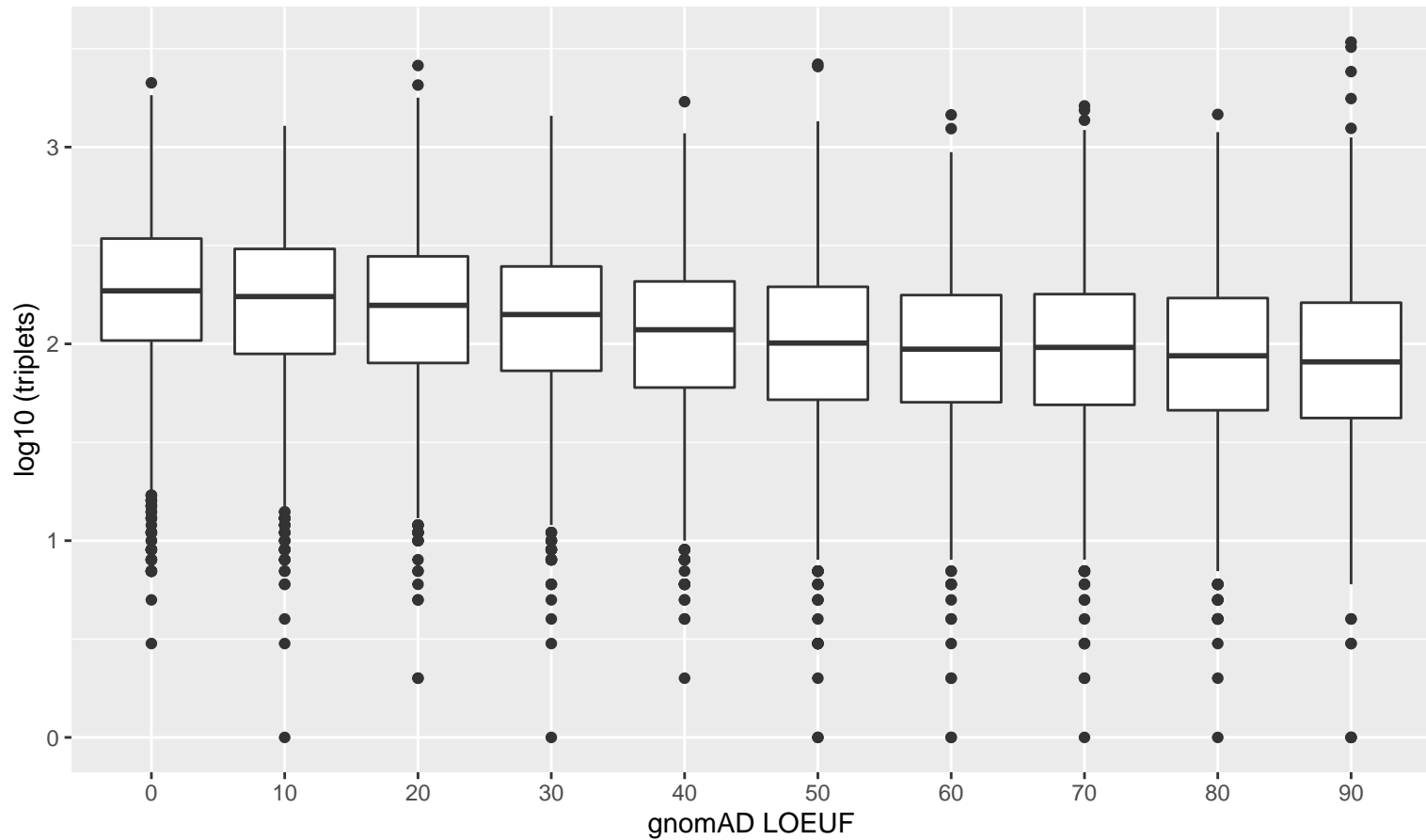
Depletion score distribution and deciles



Depletion score versus 5' UTR triplets

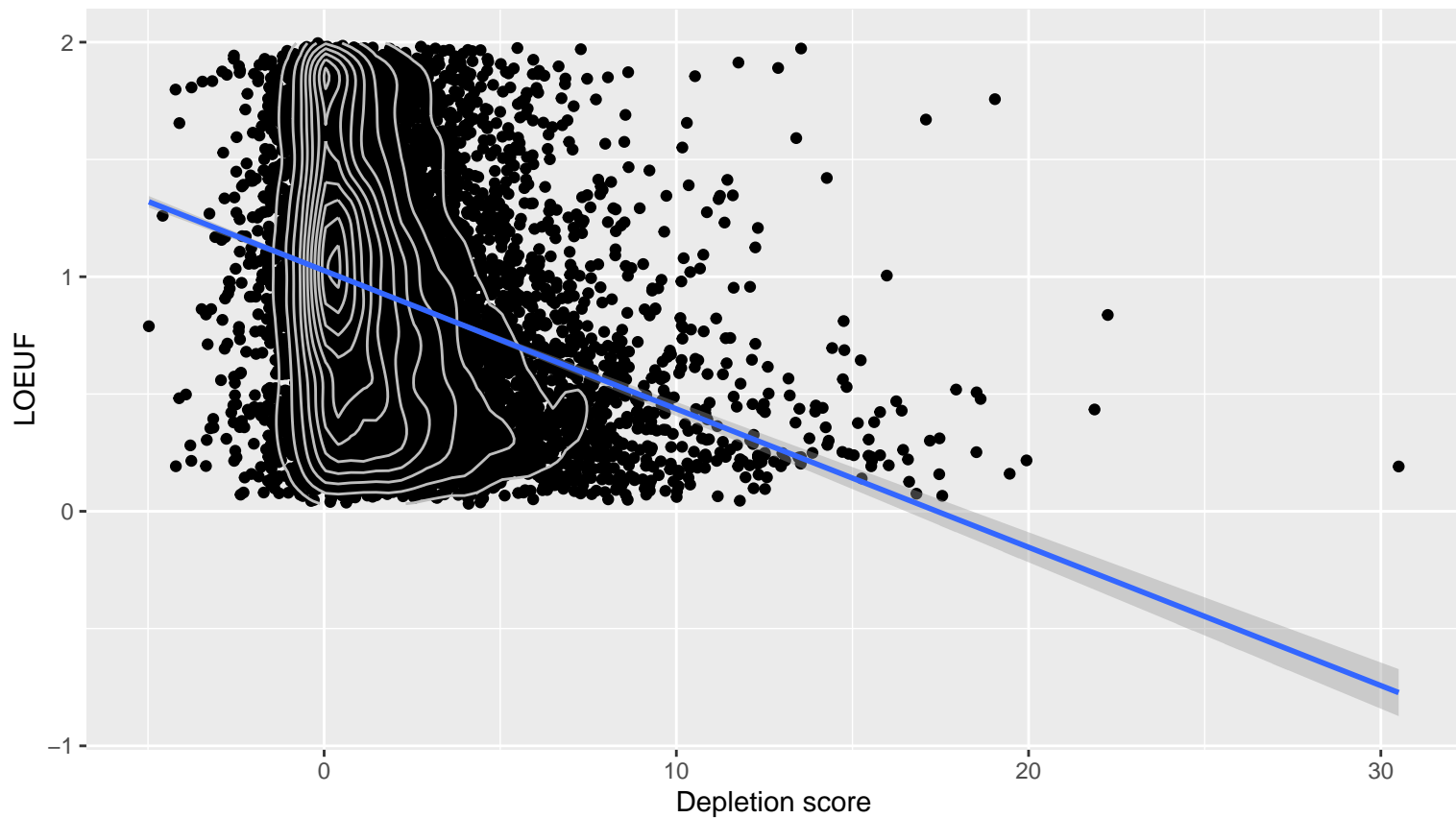


LOEUF (gnomAD) vs Triplet Count



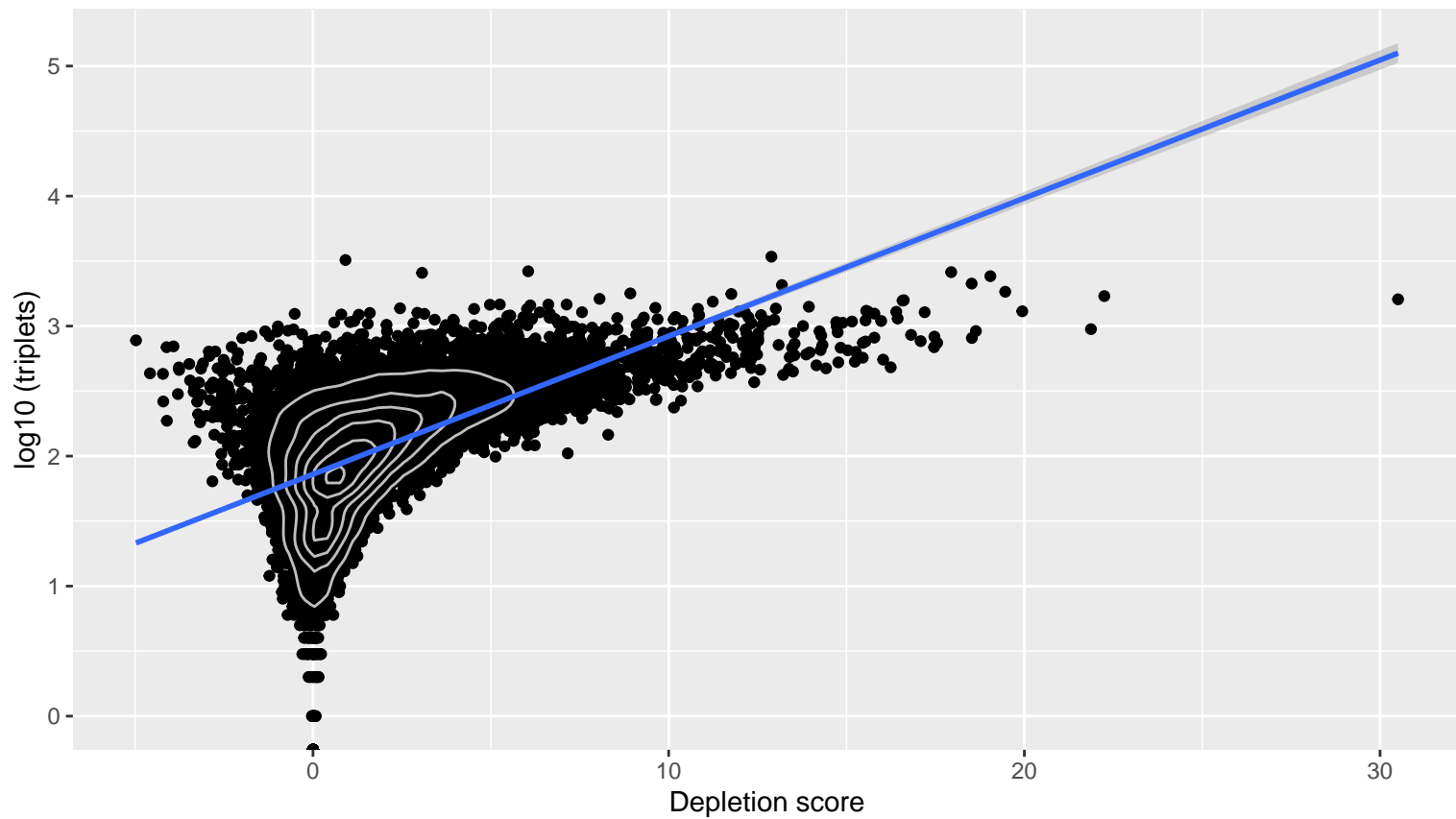
Depletion Score versus LOEUF

Pearson correlation = -0.2798 (P-value = $9.00\text{e-}235$)

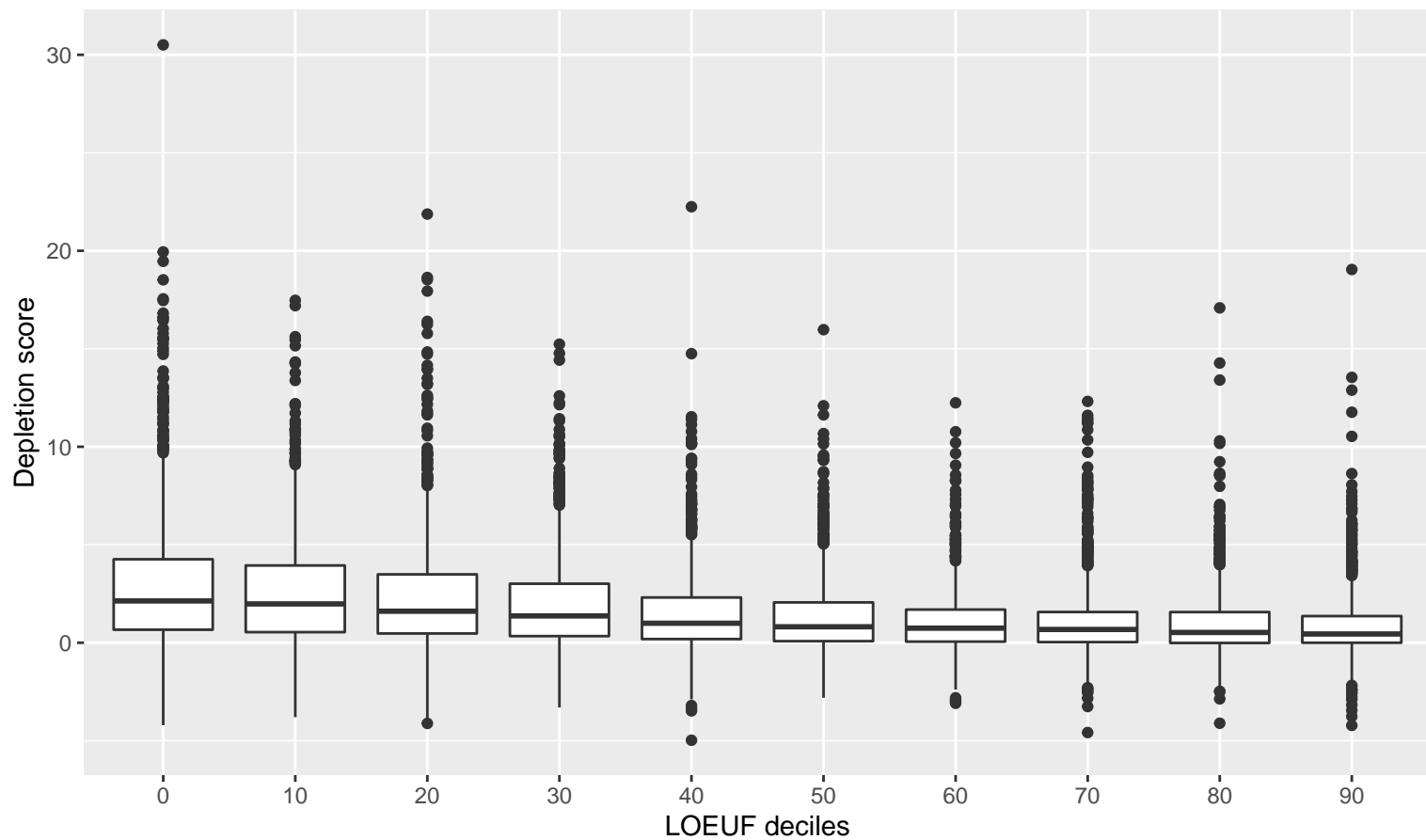


Depletion Score versus triplets

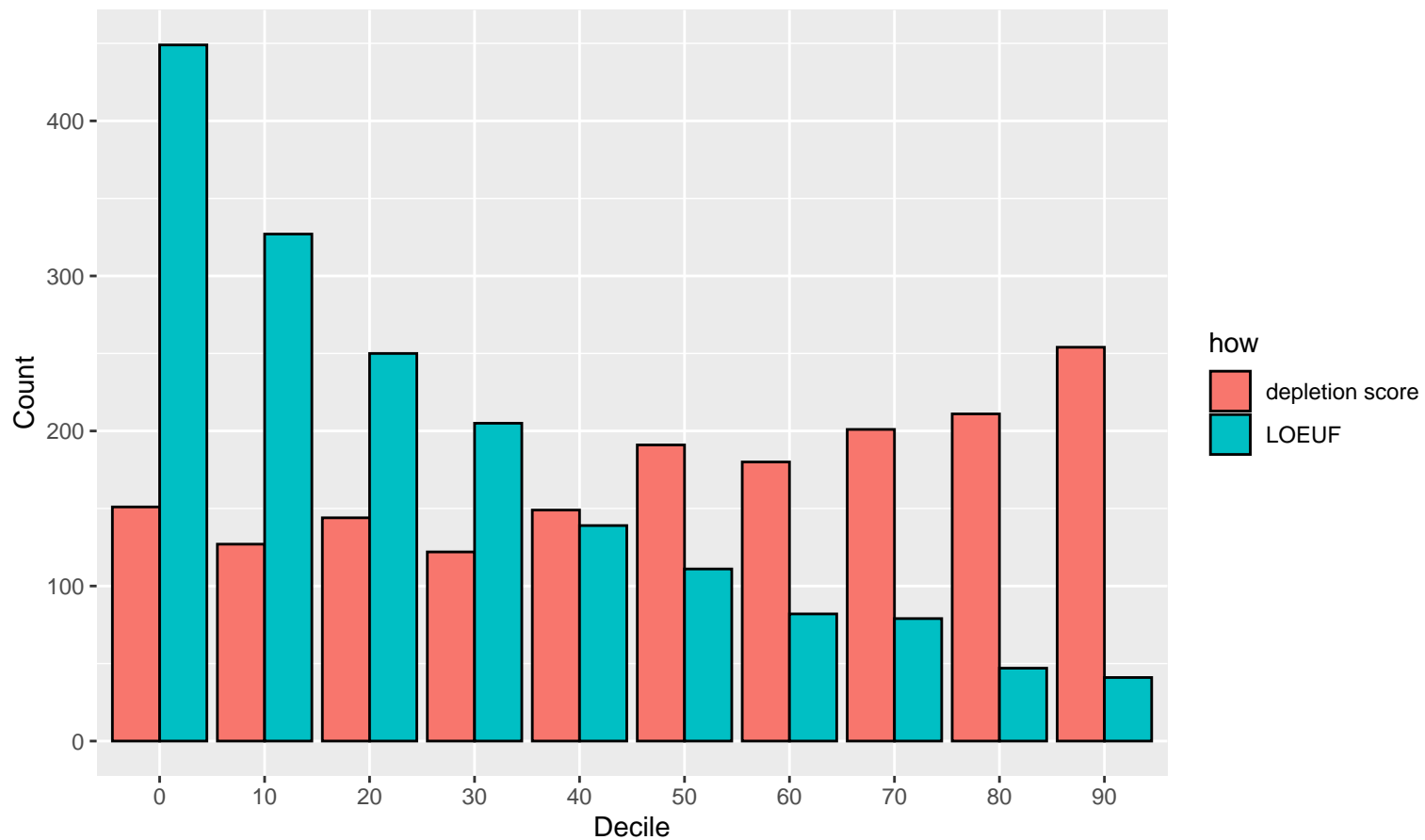
Pearson correlation = NaN (P-value = NaN)



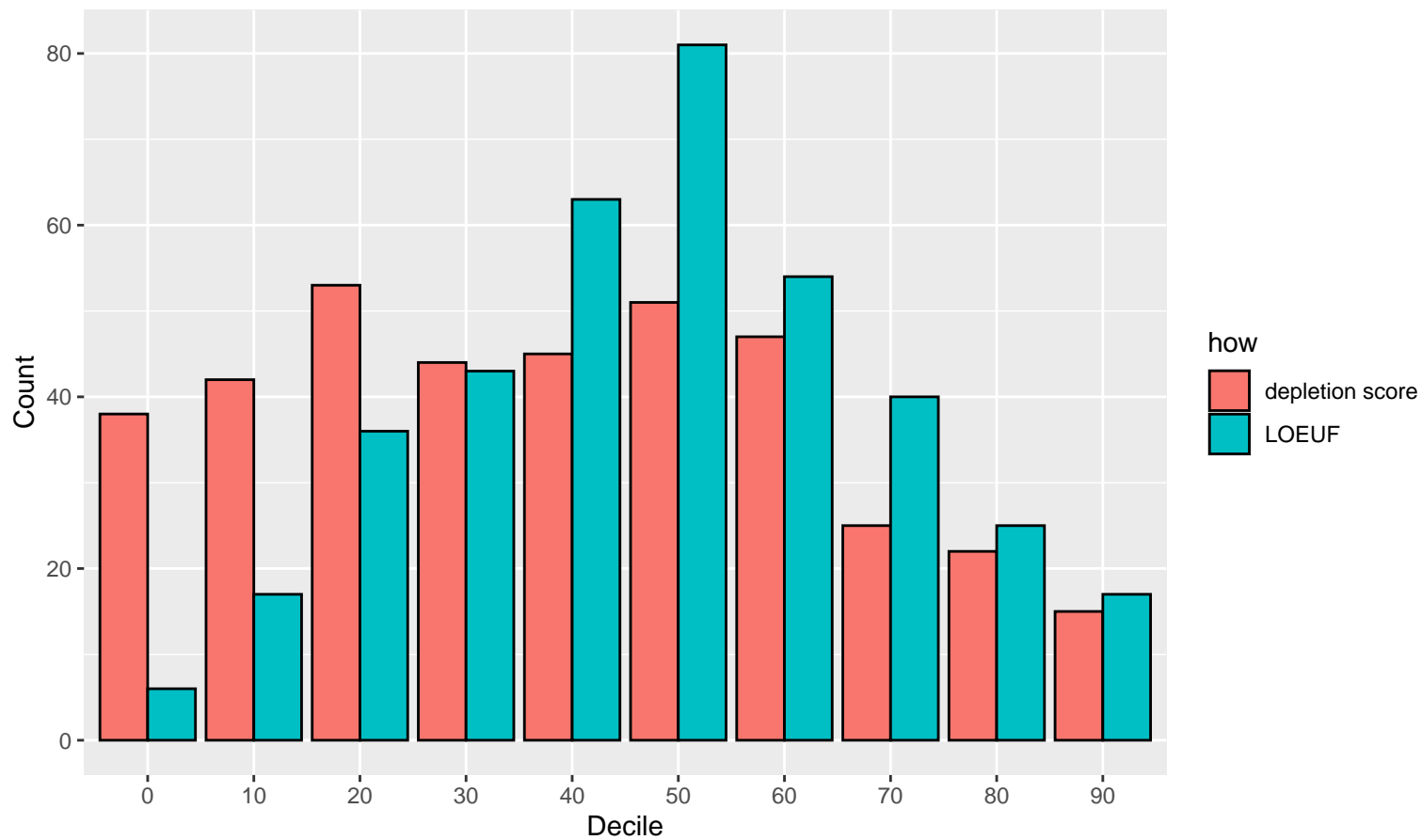
LOEUF deciles versus depletion score



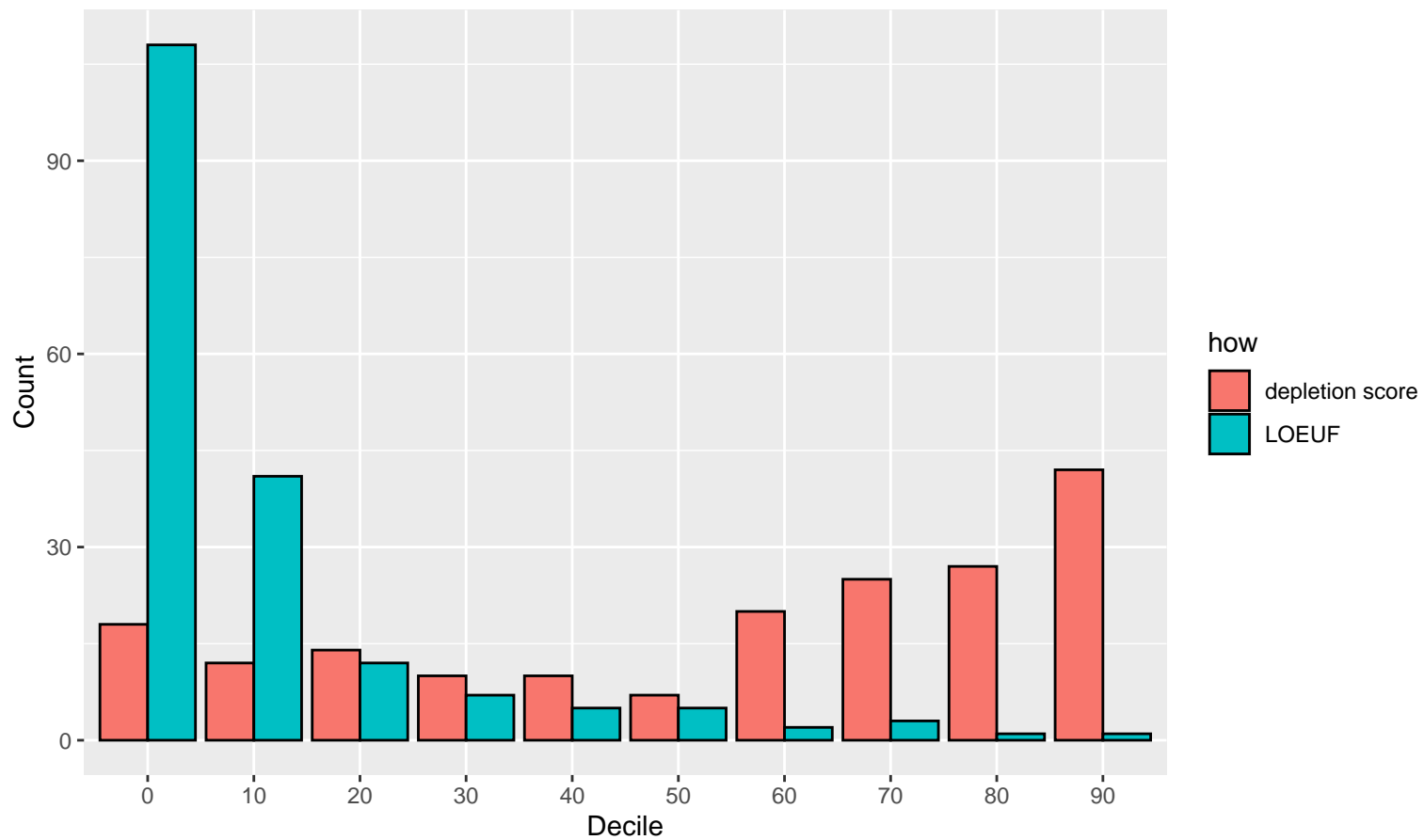
mice essential genes



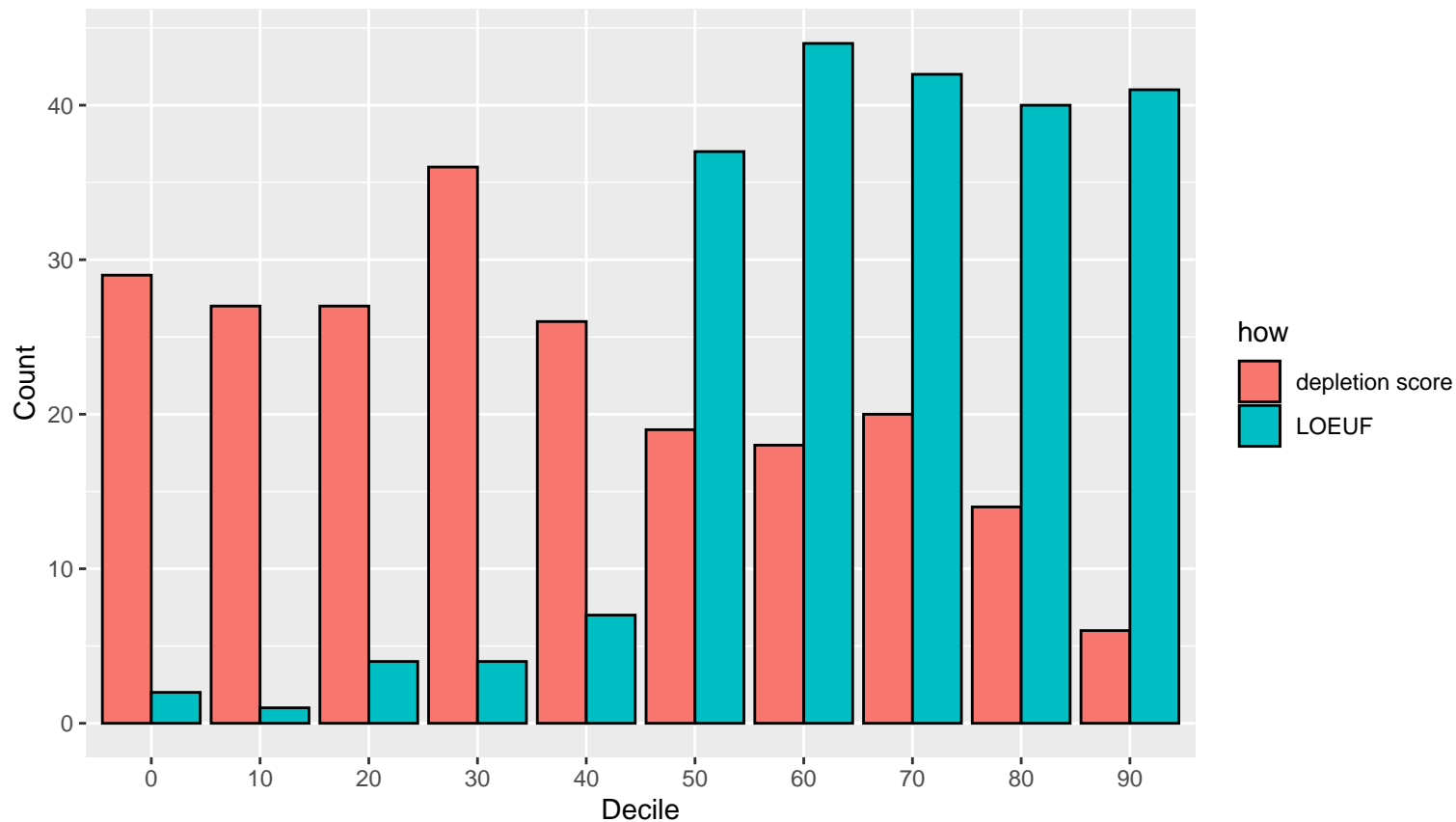
Autosomal Recessive (Blekhman)



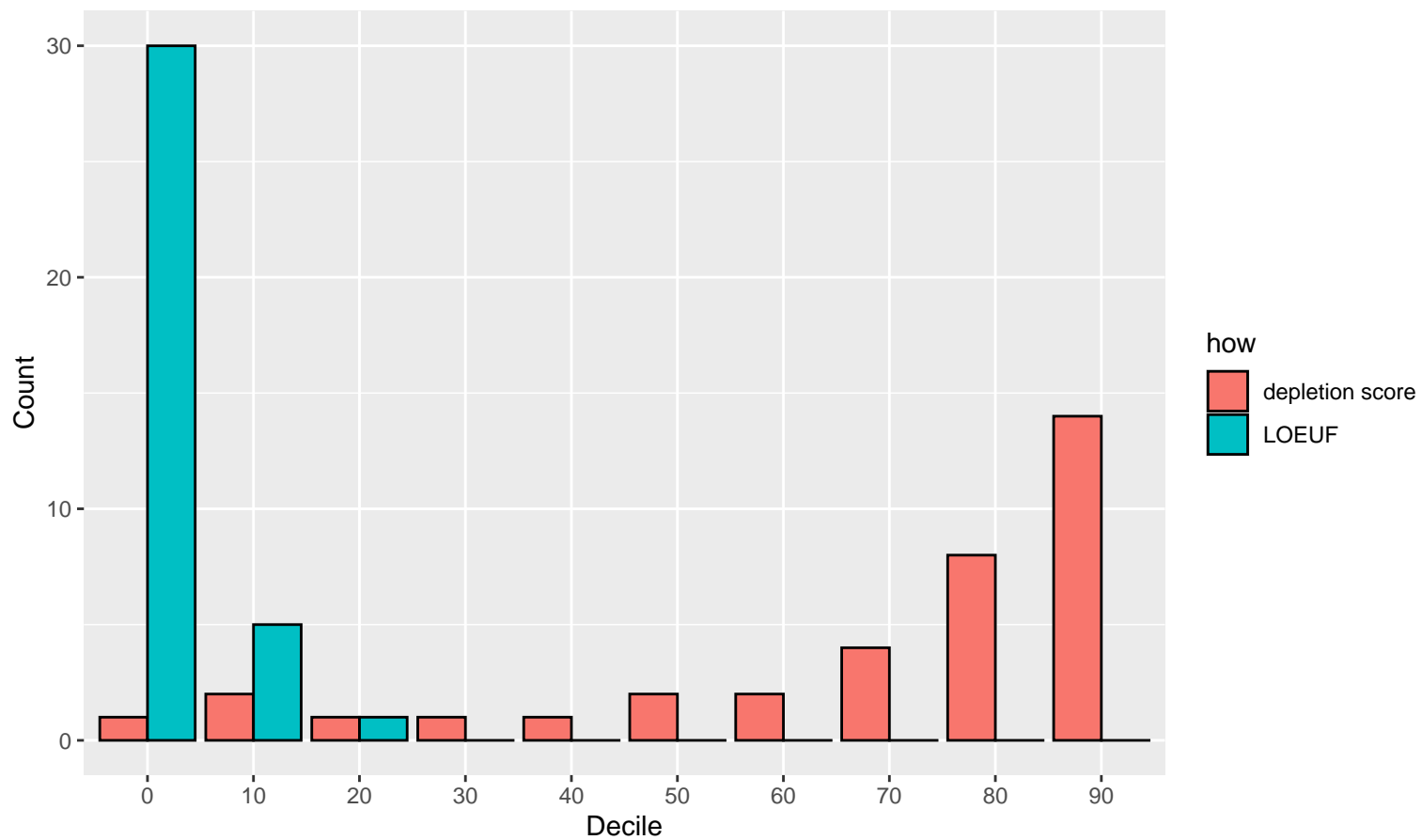
Evidence for dosage pathogenicity (Clingen, 2018)



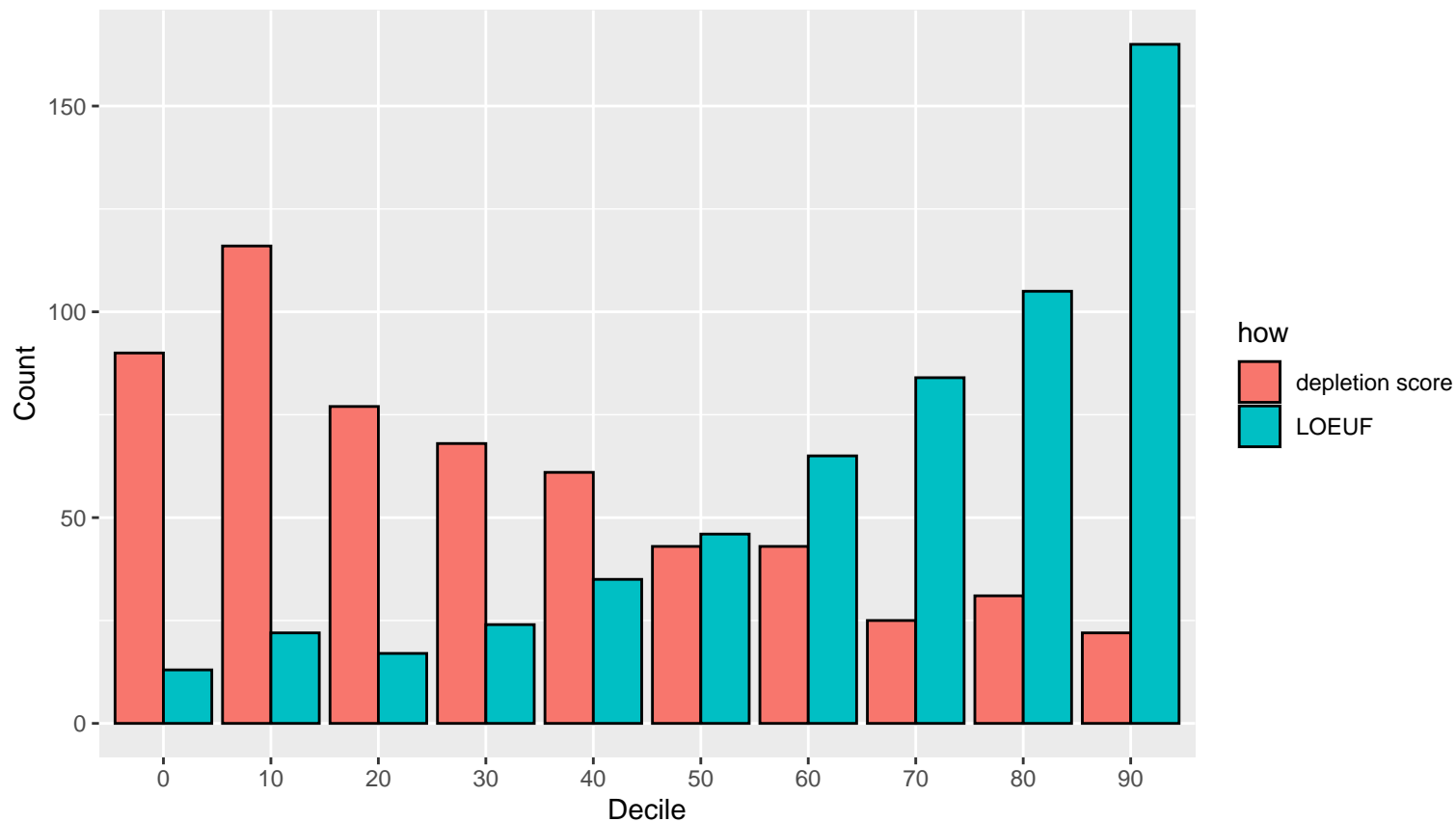
Genes with at least two different high-confidence
LoF variants found in a homozygous state in at least one individual in ExAC



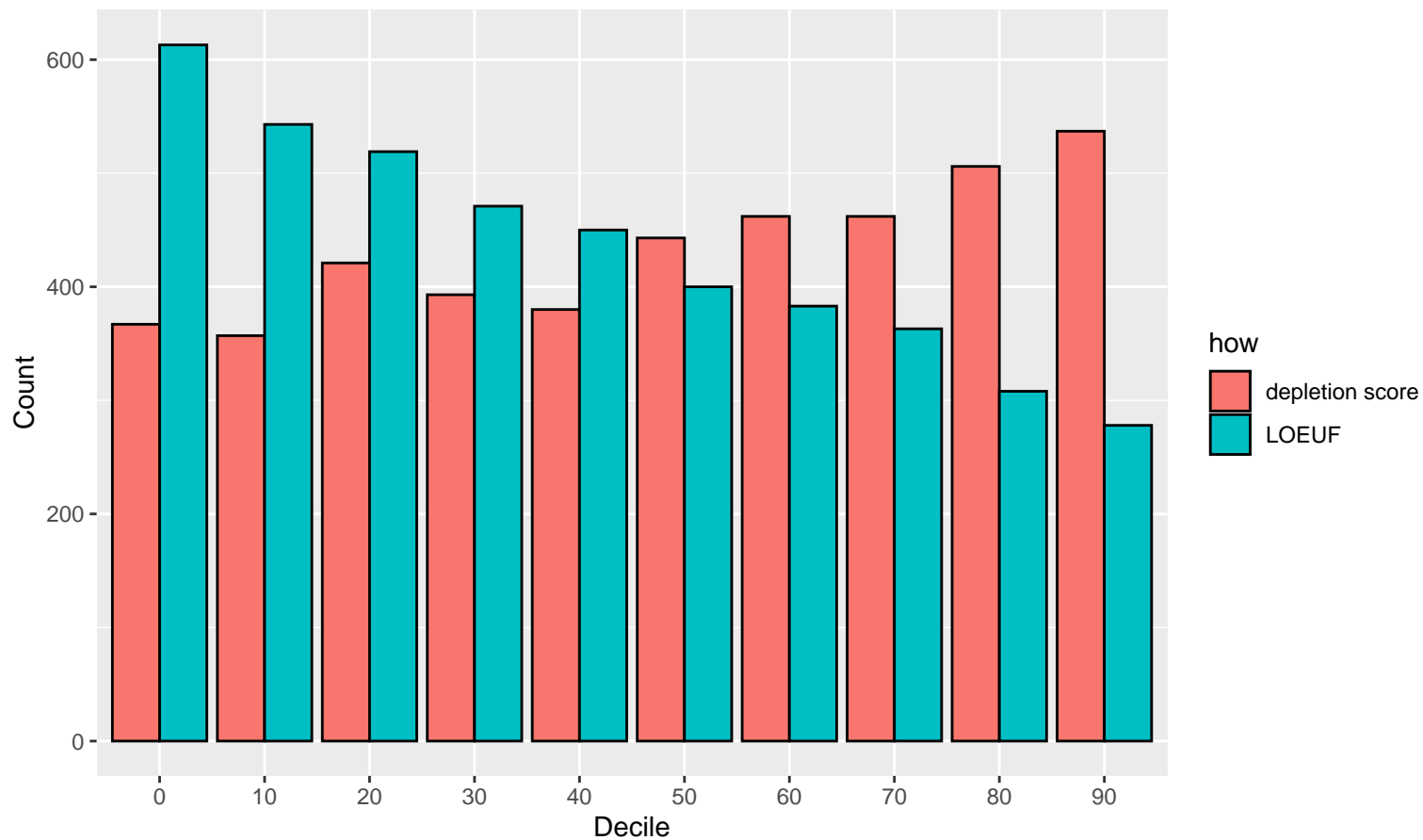
haploinsufficiency (Severe)



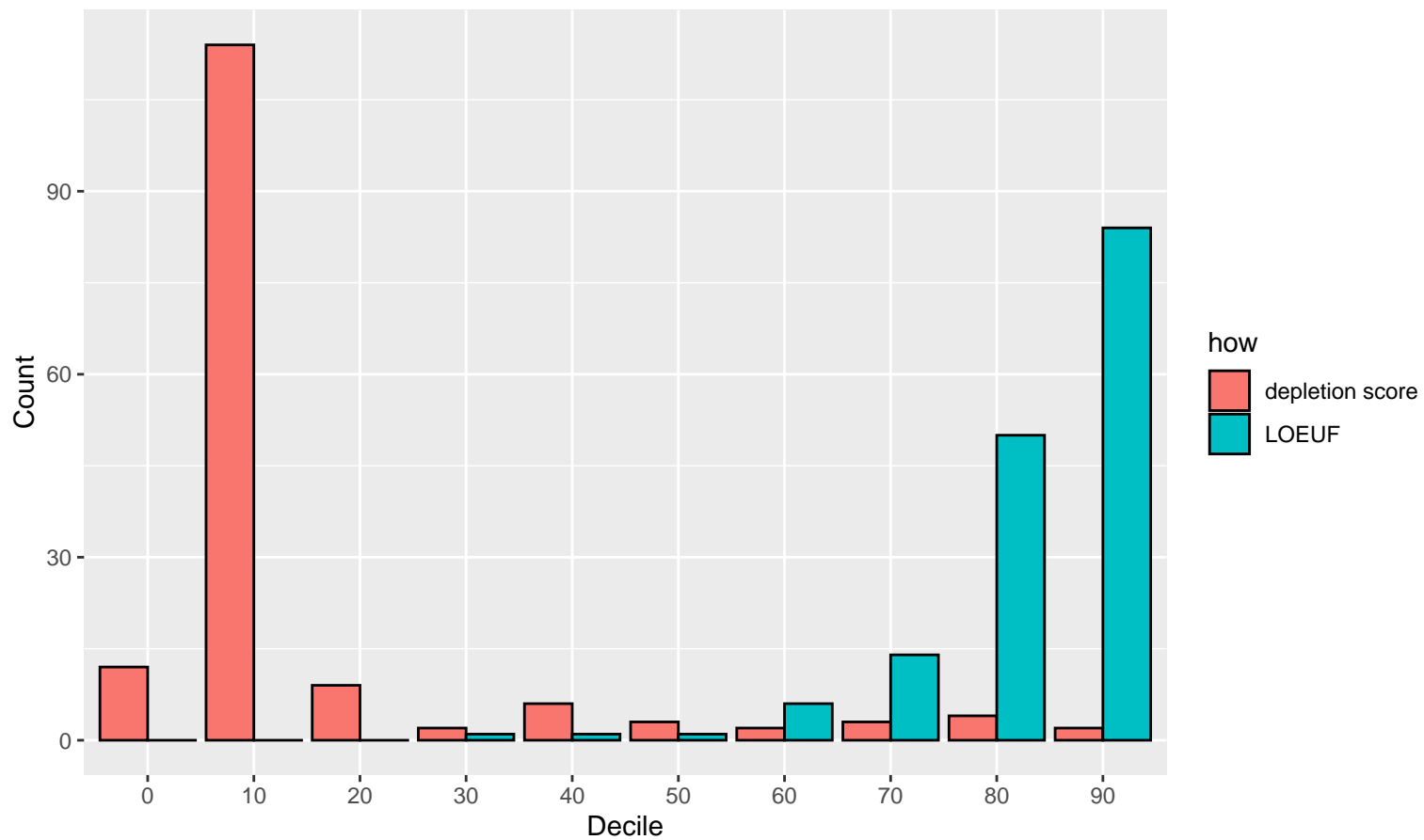
Genes deemed non-essential in multiple cultured cell lines
based on CRISPR/Cas screen data



Closest gene to GWAS hits with $P < 5 \times 10^{-8}$ in the NHGRI GWAS catalog



olfactory receptors



FMRP interactors

