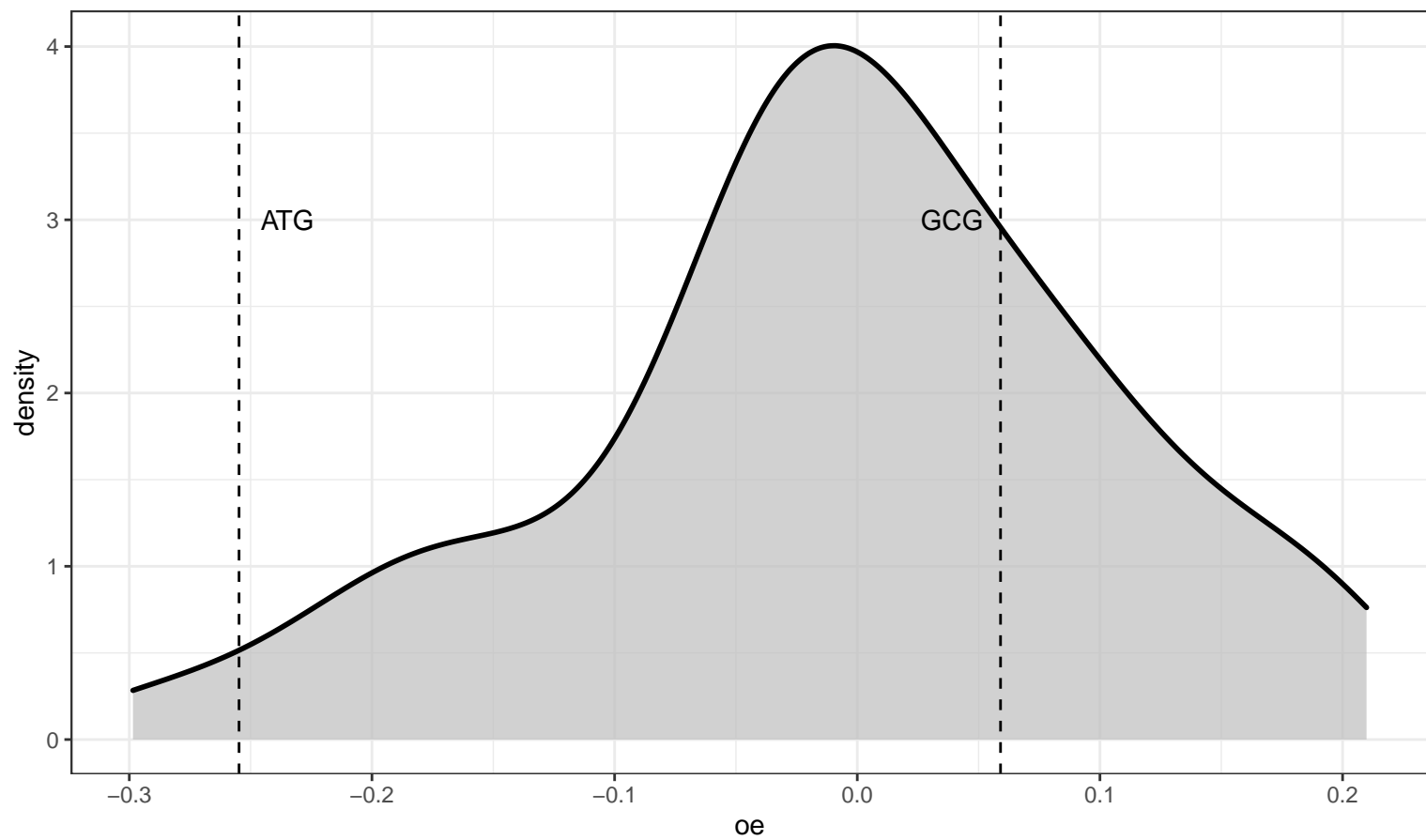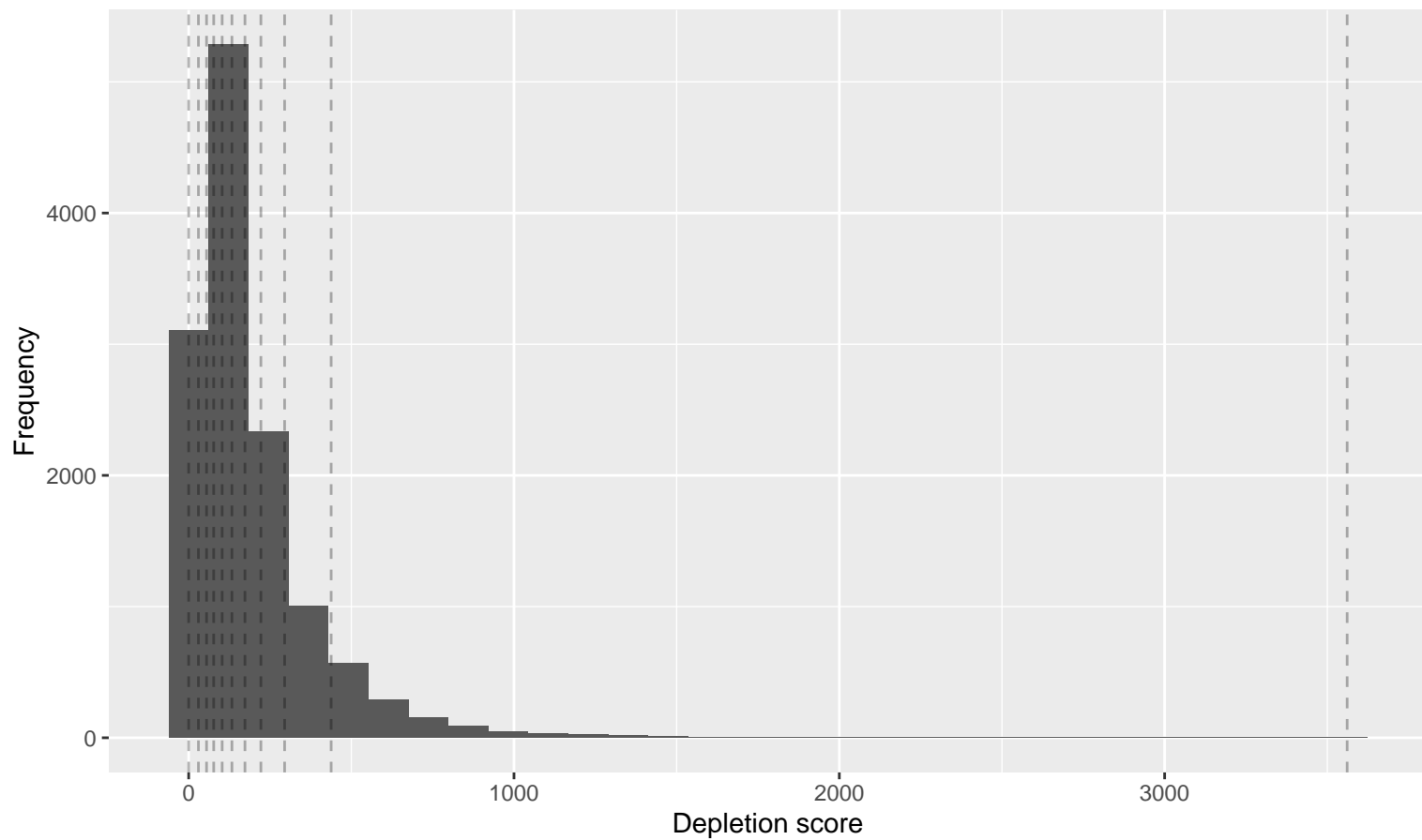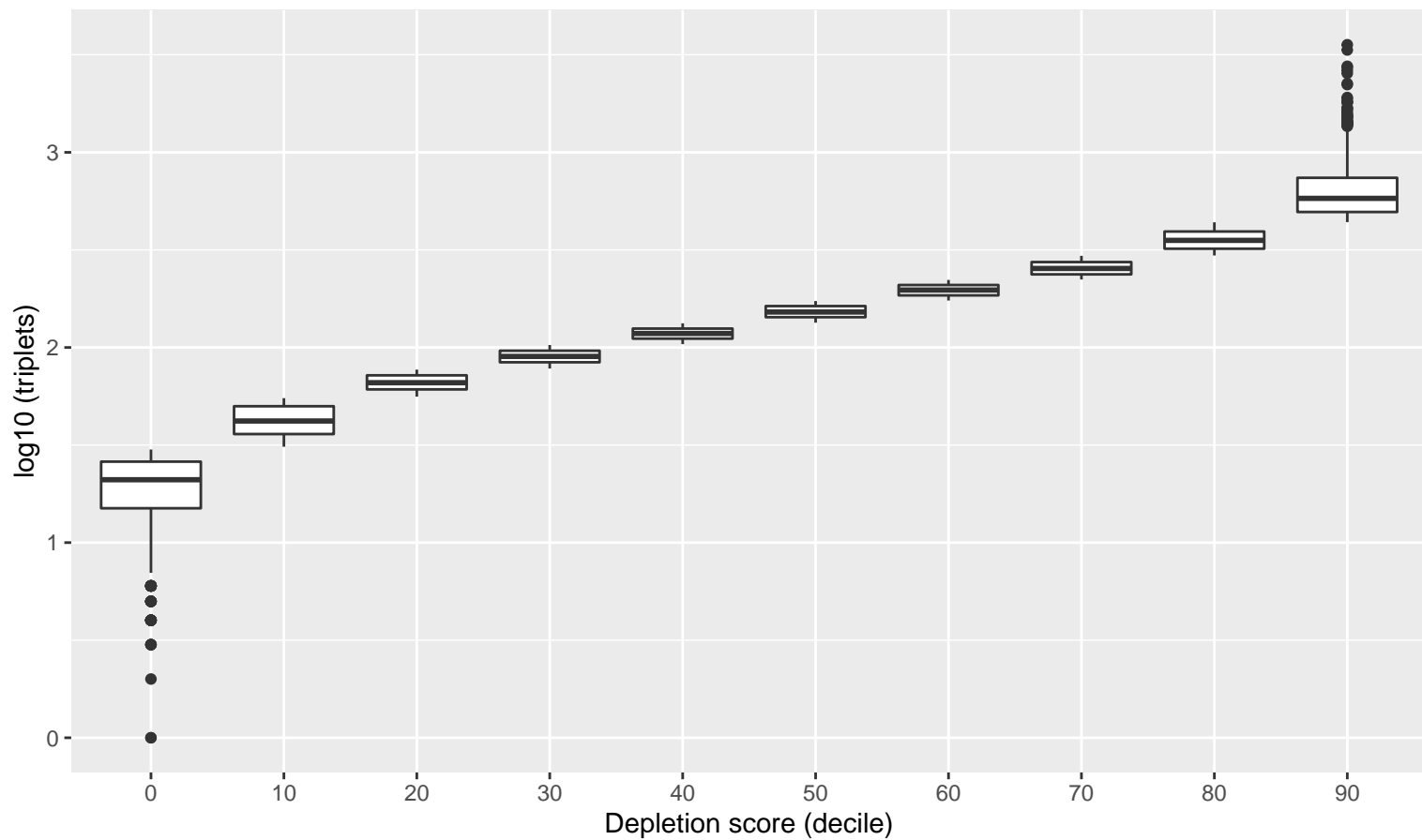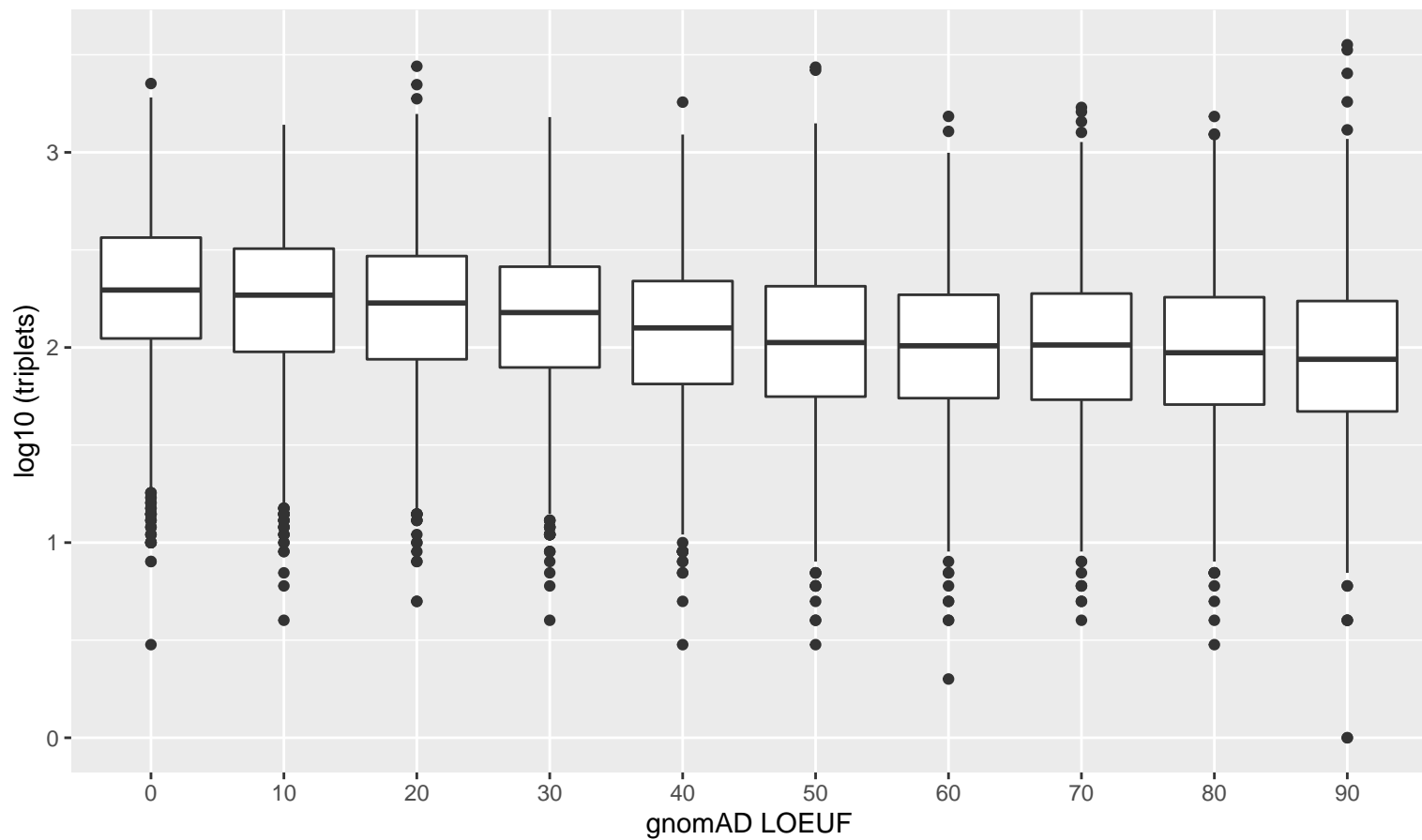O/E weight distribution

Depletion score distribution and deciles
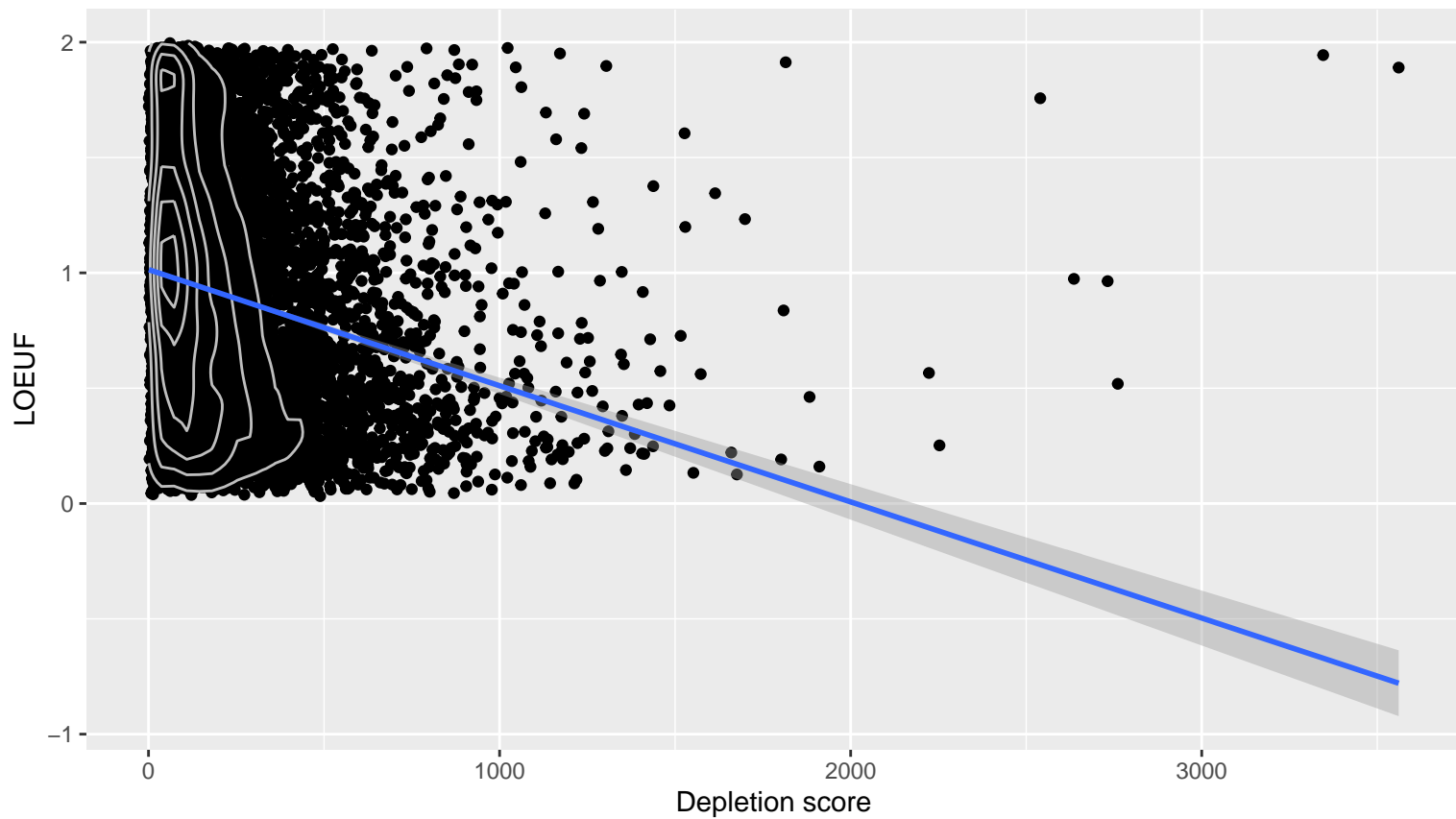
Depletion score versus 5" UTR triplets
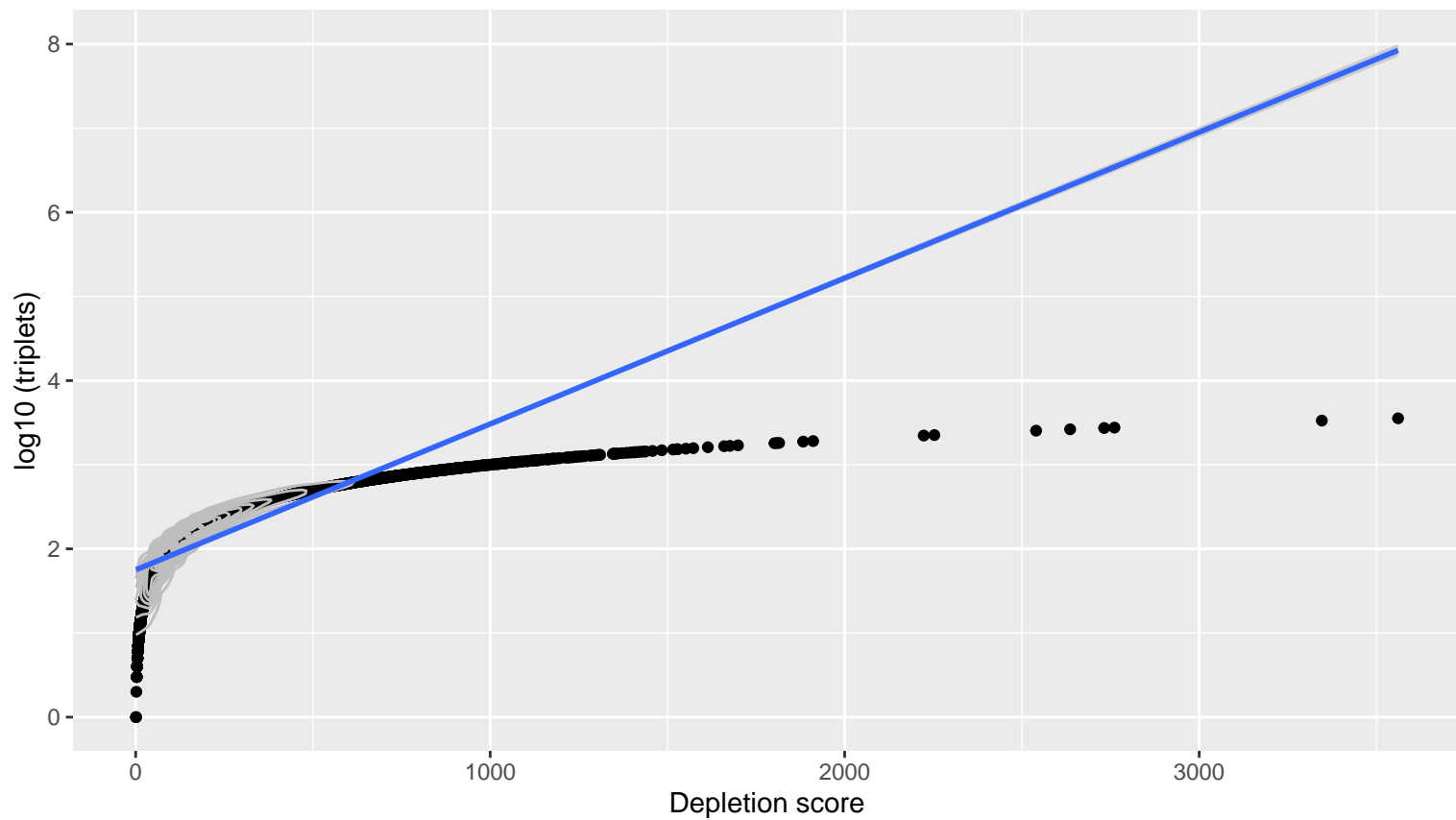
LOEUF (gnomAD) vs Triplet Count

Depletion Score versus LOEUF

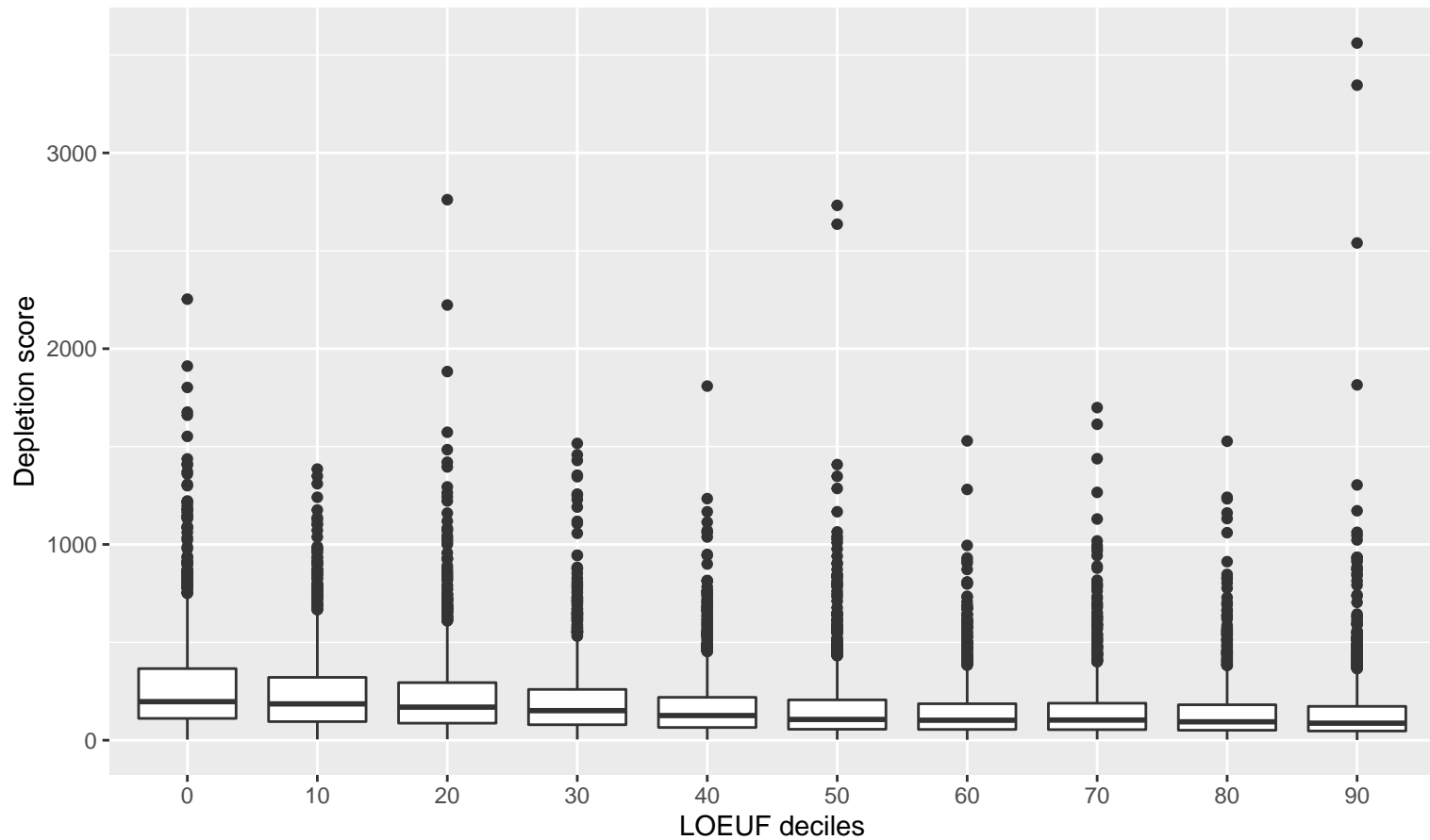Pearson correlation = −0.2009 (P−value = 3.05e−118)
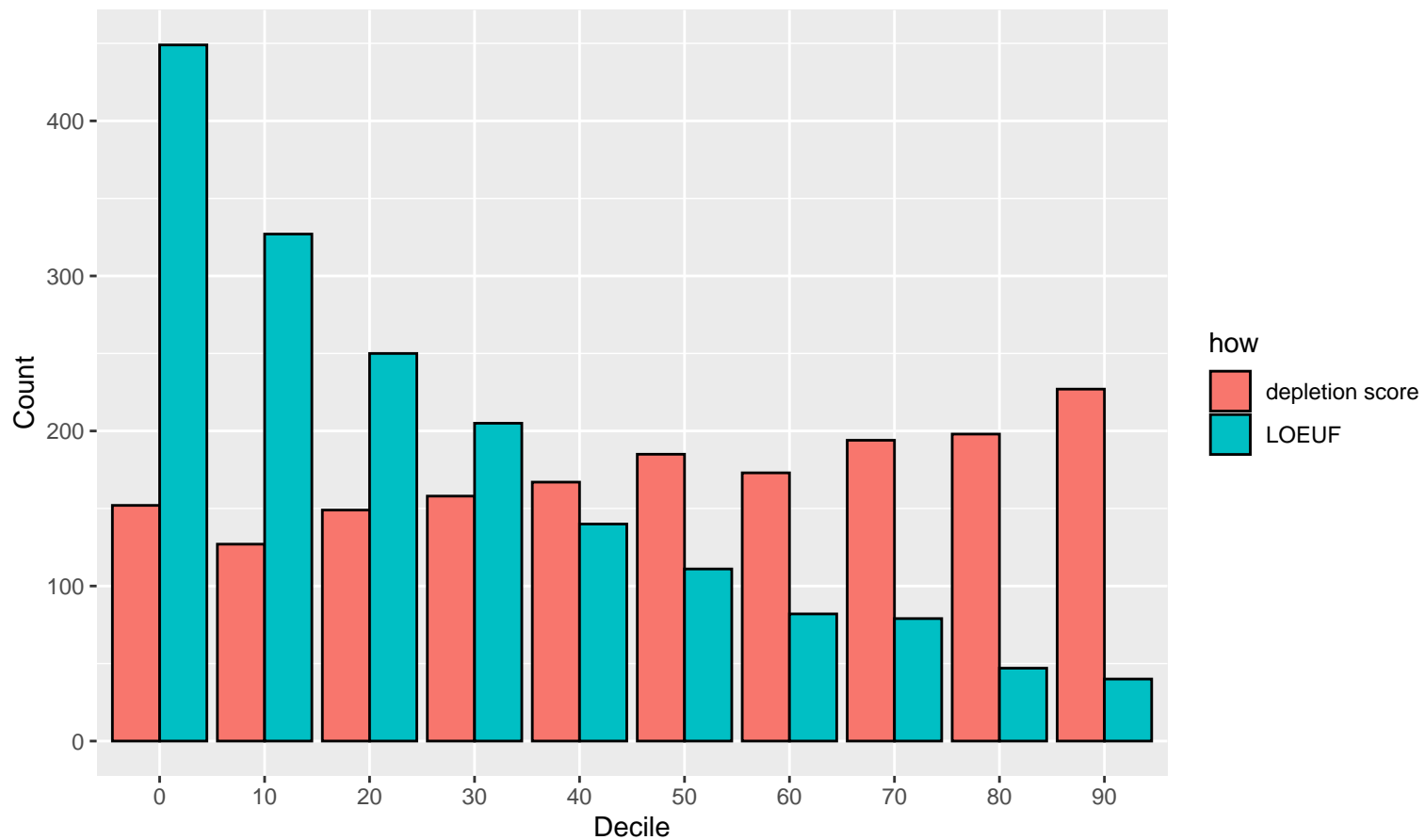
Depletion Score versus triplets
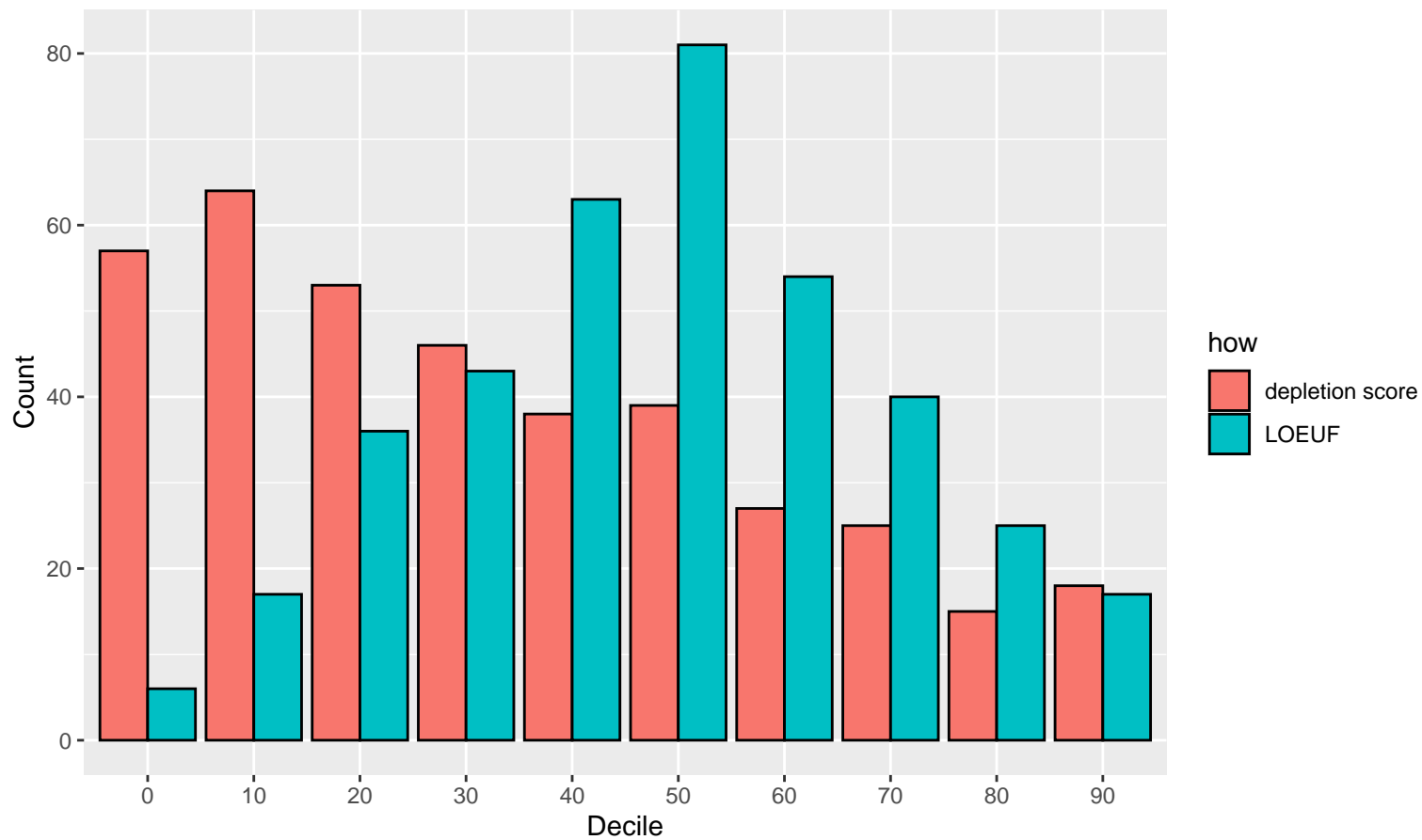
Pearson correlation = 0.8069 (P–value = 0.00e+00)
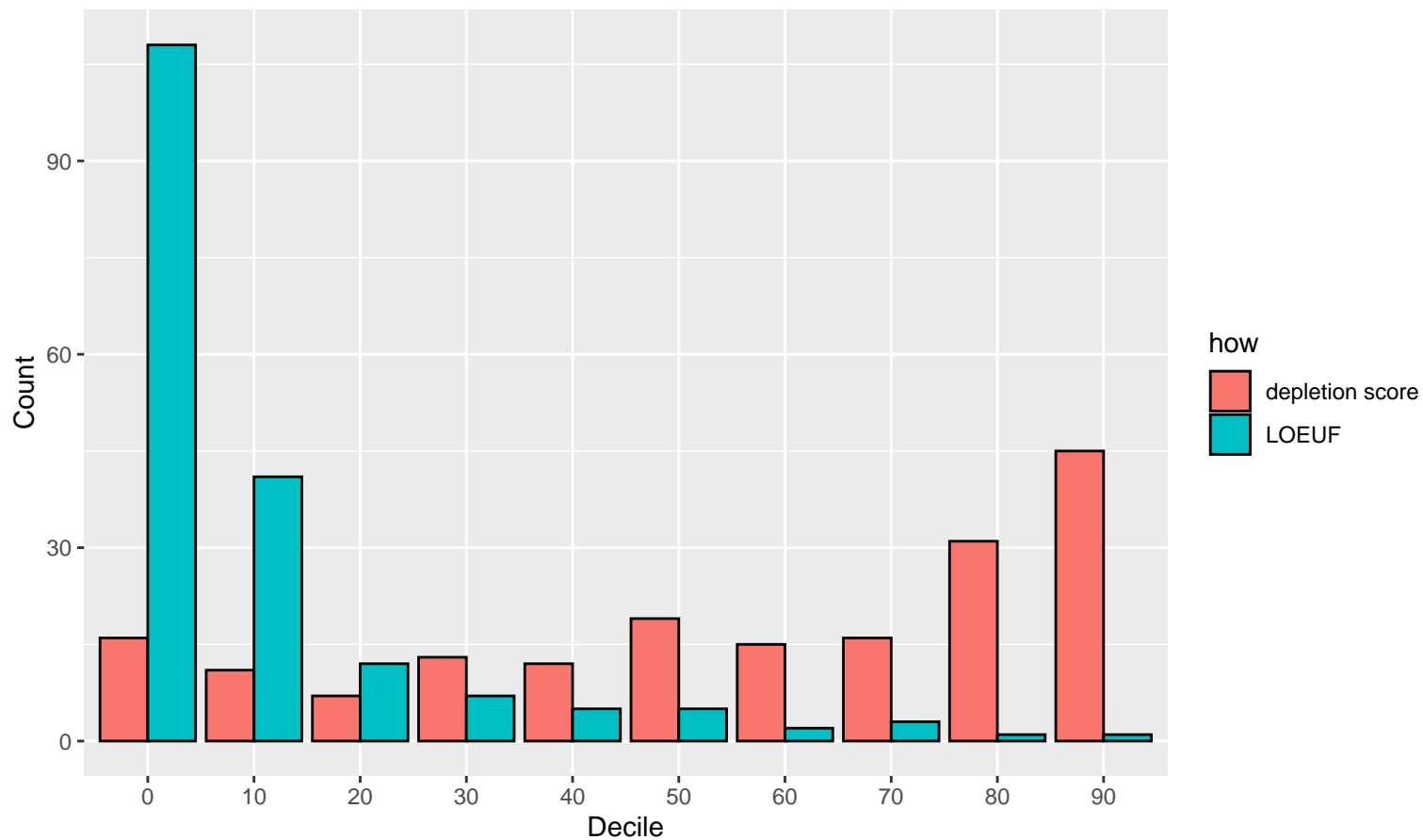
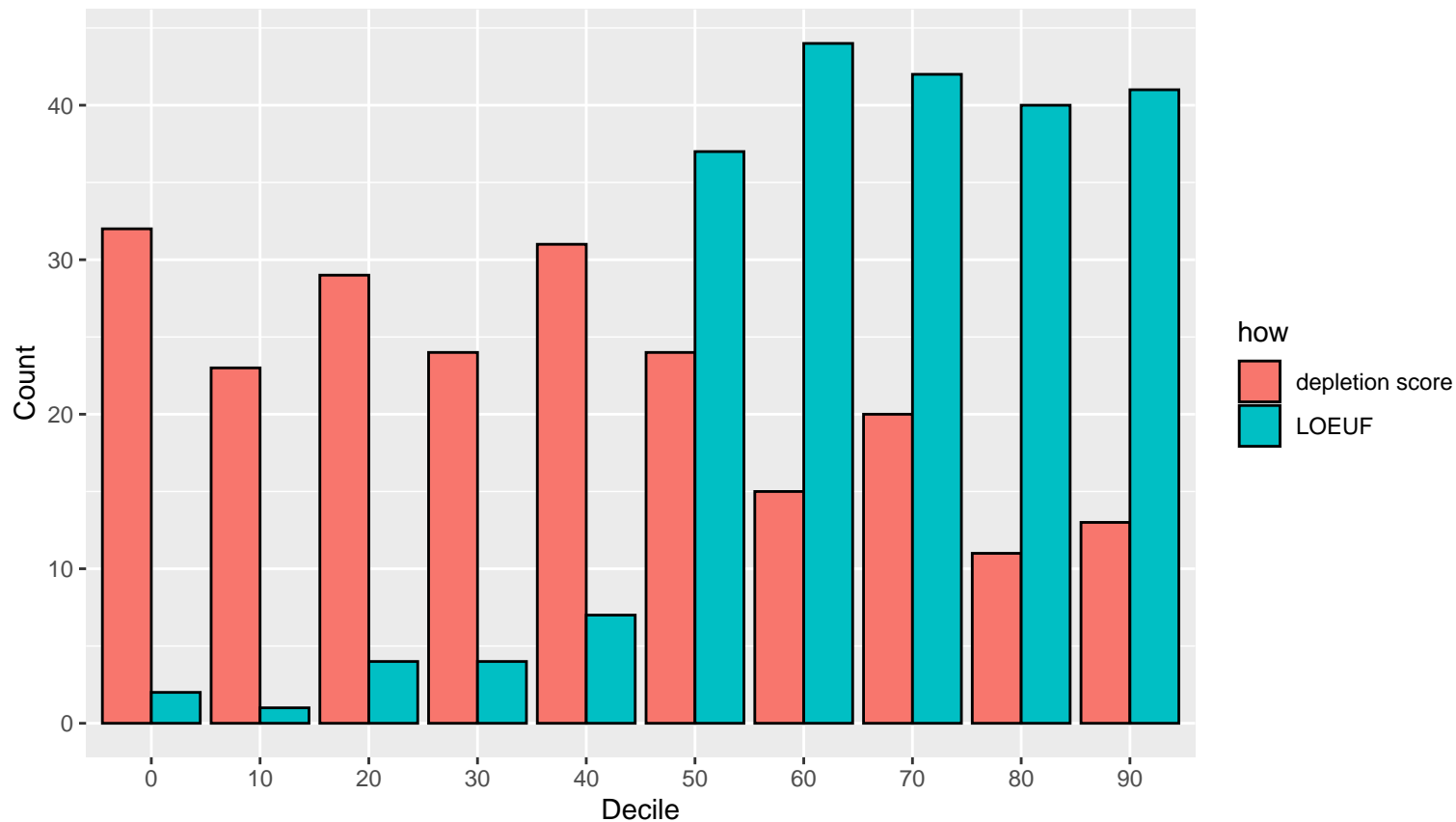LOEUF deciles versus depletion score
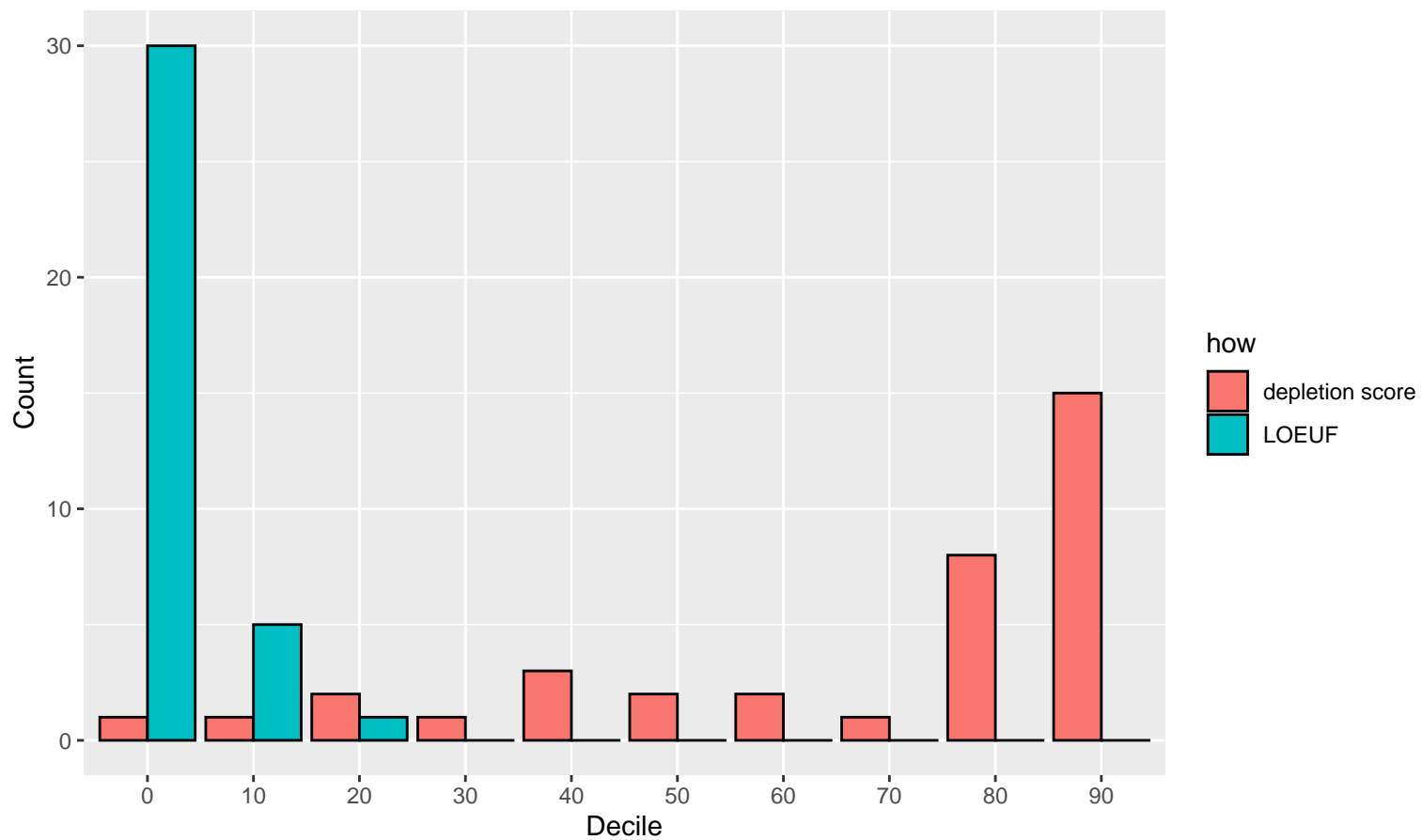
mice essential genes

Autosomal Rescessive (Blekhman)

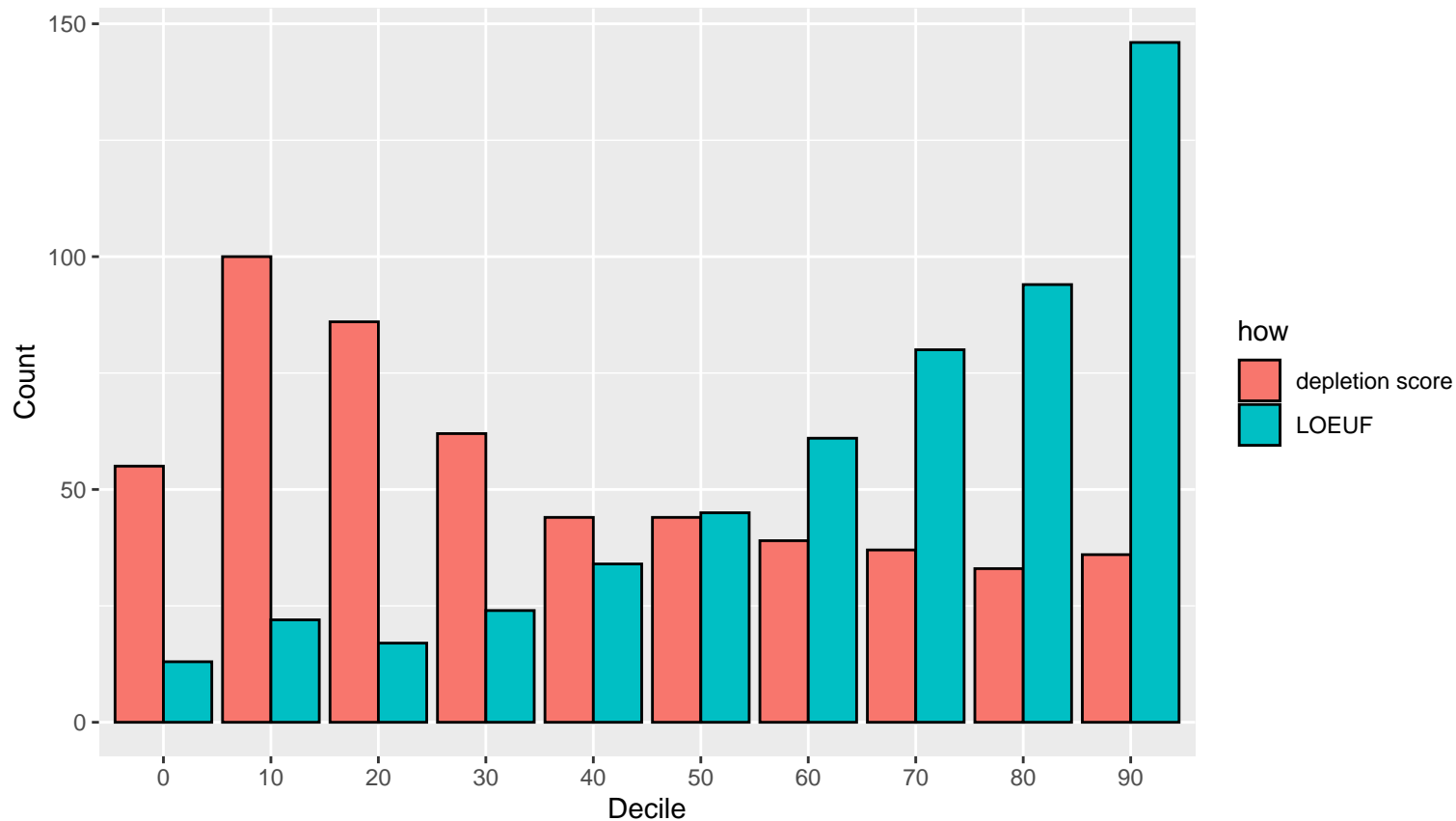Evidence for dosage pathogenencity (Clingen, 2018)

Genes with at least two different high−confidence
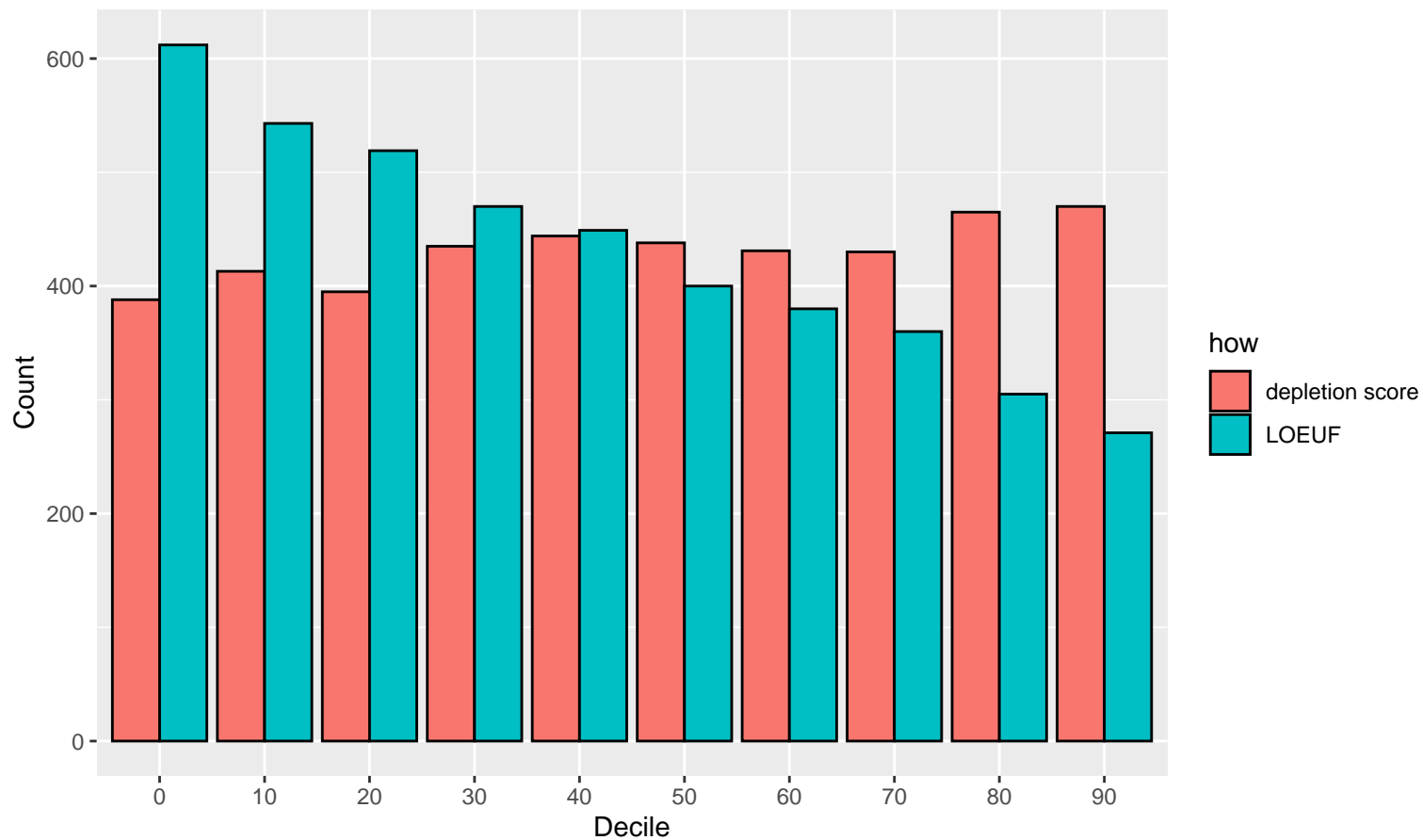LoF variants found in a homozygous state in at least one individual in ExAC
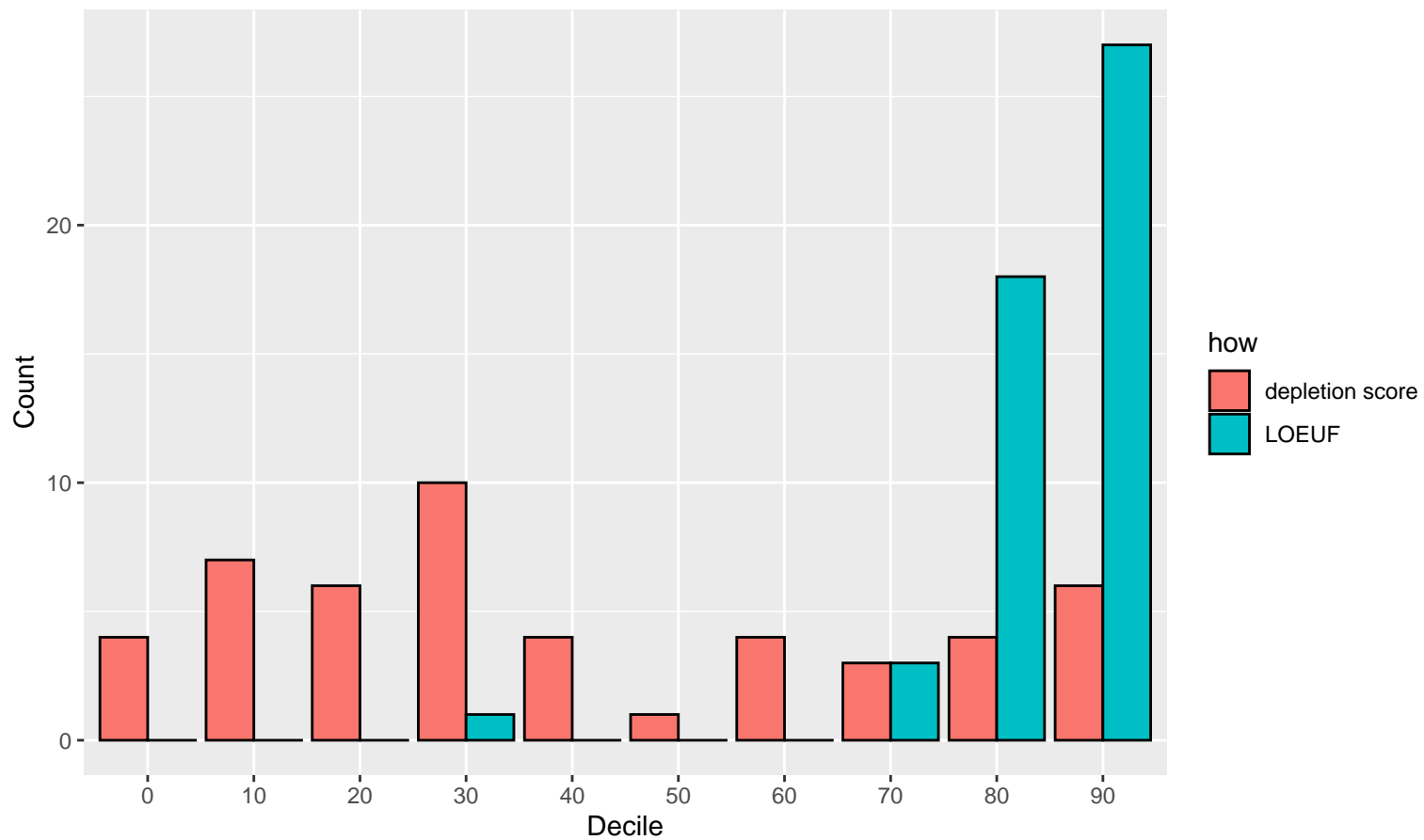
haploinsufficiency (Severe)

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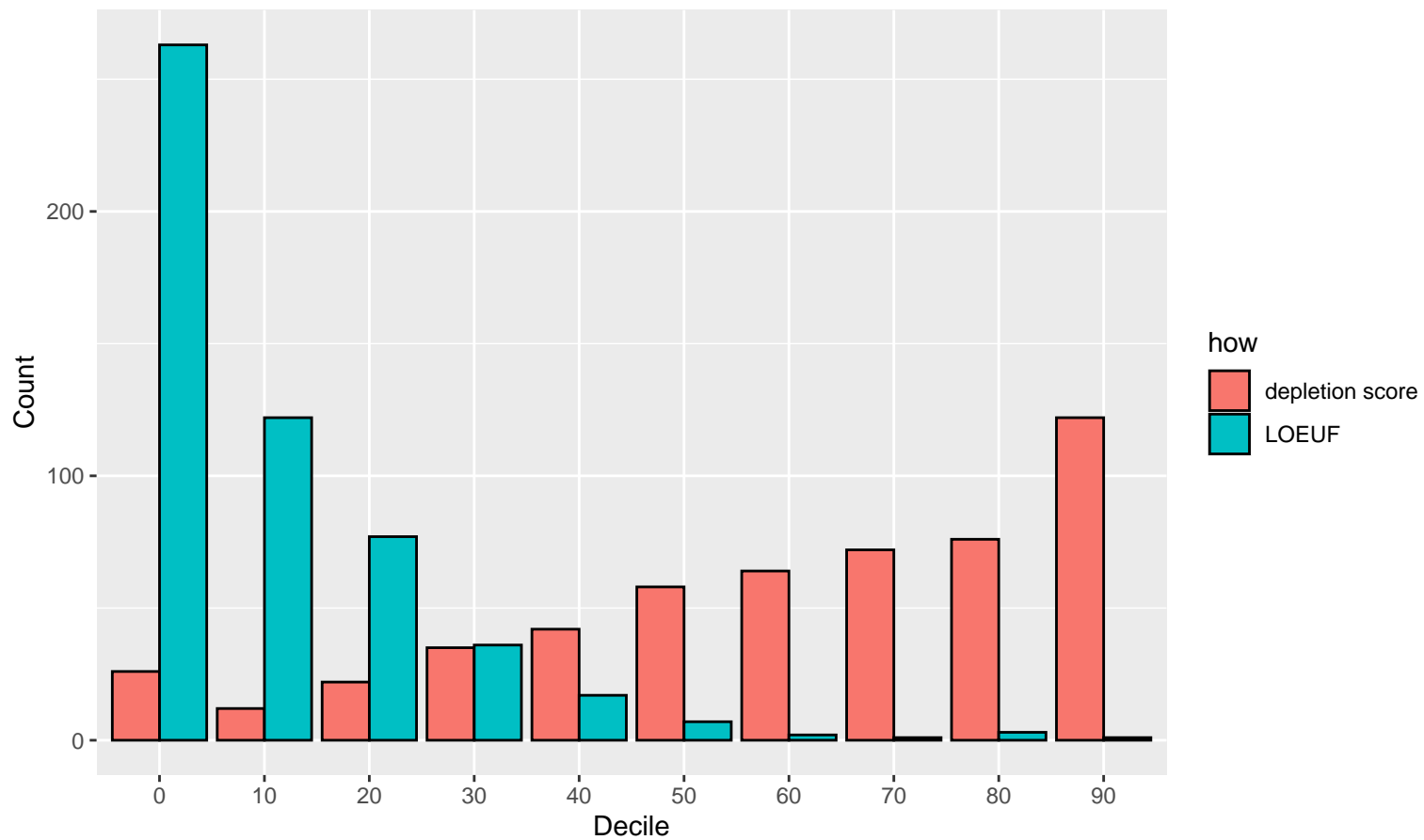based on CRISPR/Cas screen data

Closest gene to GWAS hits with P < 5−e8 in the NHGRI GWAS catalog

olfactory receptors

FMRP interactors

uORF creating variants (canonical Gencode)