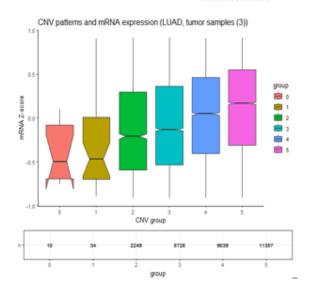
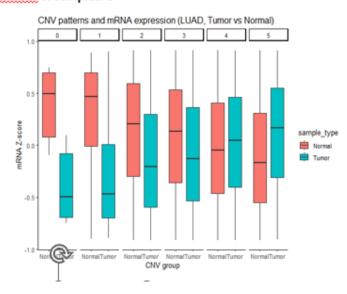
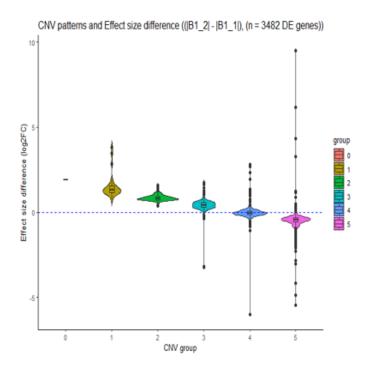
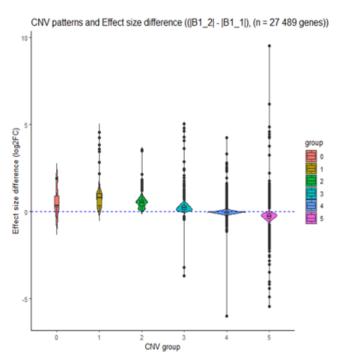
mRNA and CNVs relationship exploration (TCGA, LUAD) Total genes tested: 31417, number of samples: 3

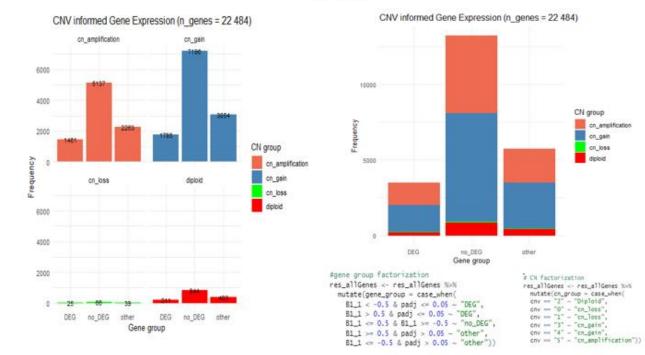


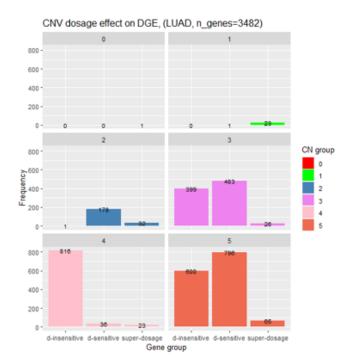




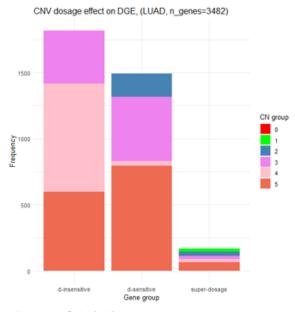


TCGA, LUAD





about 47 % (1664) of DE genes are explained by the effect of CNV



```
#gene group factorization
deg_merged <- deg_merged %5%
mutate(gene_group = case_when(
    difference <- -1.0 ~ "super-dosage",
    difference >= 1.0 ~ "super-dosage",
    difference >- 1.0 & difference <- 0.4 ~ "dosage_sensitive",
    difference <- 1.0 & difference > 0.4 ~ "dosage_sensitive",
    difference >= -0.4 & difference <- 0.4 ~ "not_explained"
))</pre>
```