Compilation of all codes:

```
library(tidyr)
head(gsar oral toxicity)
names(qsar oral toxicity)
names(gsar oral toxicity) <- c("x1")
library(stringr)
###Here are all the codes used for the project
OralTox2 <- as.data.frame(str_split_fixed(qsar_oral_toxicity$x1, ";", 1025))
Unclassified <- OralTox2[-c(1025),drop=FALSE]
rowSums(sapply(No Low No Intergenic snpeff.scores[, c(20:29, 45)],
         function(x) as.numeric(as.character(x))))
OralTox2["Sum"] <-rowSums(sapply(Unclassified[, c(1:1024)],
                     function(x) as.numeric(as.character(x))))
#install.packages('e1701', dependencies=TRUE)
#install.packages('caret', dependencies=TRUE)
library(tidyr)
head(gsar oral toxicity)
names(qsar_oral_toxicity)
names(qsar_oral_toxicity) <- c("x1")</pre>
library(stringr)
OralTox <- as.data.frame(str_split_fixed(qsar_oral_toxicity$x1, ";", 1025))
OralTox$V1025 <- factor(OralTox$V1025, levels=c("negative","positive"))
split row <- round(nrow(OralTox)*.60, 0)
train <- OralTox[1:split row, ]
test <- OralTox[(split_row+1):nrow(OralTox), ]
model <- glm(V1025~., family="binomial", data=train)
summary(model)
p <- predict(model, newdata=test, type="response")</pre>
classes \leftarrow ifelse(p>=0.5, 1, 0)
p class <- factor(classes, labels=c("negative","positive"))</pre>
```

confusionMatrix(data=p_class, reference=test\$V1025)