# Load packages

library(metafor)

library(mada)

# Read data

data <- read.csv("Supplementary\_File\_S4.csv")

# Bivariate random-effects model

fit <- reitsma(cbind(data$Sensitivity, data$Specificity))

summary(fit)

# Forest plot

forest(fit, slab = data$Study\_ID)

# SROC curve

plot(fit, sroc = TRUE, predict = TRUE)