

```
library("DupChecker")

rootDir<-"H:/temp/"

starttime<-proc.time()

arrayExpressDownload(c("E-MTAB-365", "E-TABM-158"), targetDir = rootDir,
  overwrite=TRUE, filePattern="cel$")

geoDownload(c("GSE1456", "GSE1561", "GSE2034", "GSE2603", "GSE4922",
  "GSE5327", "GSE5460",
  "GSE5462", "GSE5847", "GSE6532", "GSE6772", "GSE7390", "GSE11121",
  "GSE12276", "GSE12763", "GSE18864",
  "GSE20194", "GSE20711", "GSE25066", "GSE31448", "GSE31519"), targetDir
  = rootDir, overwrite=TRUE, filePattern="cel$")

datafile<-buildFileTable(rootDir, filePattern="cel$")
result<-validateFile(datafile)
if(result$hasdup){
  duptable<-result$duptable
  write.csv(duptable, file=paste0(rootDir, "/BreastCancerValidataion.csv"))
}

endtime<-proc.time()

cat("Total cost time =", (endtime - starttime)[3], "seconds")
```