

The R package *trioClasses* for definition of the class *FamilyExperiment*, an extension of *SummarizedExperiment*, for use in trio based analyses of genetic data.

Samuel G. Younkin

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1 Packages & Data

```
> library("trioClasses")
> library("CleftCNVAssoc")
> source("~/jhsph/R/packages/CleftCNVAssoc/vignettes/curated/make-data.R")
> gr.deletion <- gr.beaty[values(gr.beaty)$numsnps >= 10 &
  values(gr.beaty)$cn %in% 0:1]
> length(gr.deletion)

[1] 13140

> system.time(cnv.obj <- CNVMatrix(gr.deletion))

      user      system elapsed 
1197.295      0.372 1201.773

> save(cnv.obj, file = "../data/cnv.RData")
```