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5  ```{r}
6  knitr::opts_knit$set(root.dir = normalizePath("/Users/sankalpm/Documents/QBIO_490_sp23/qbio_490_sankalp/analysis_data/"))
7
8  ^
9
10 ```{r}
11 if (!require("BiocManager", quietly = TRUE))
12   install.packages("BiocManager")
13 BiocManager::install(version = "3.14")
14 if (!require("TCGAbiolinks", quietly = TRUE))
15   BiocManager::install("TCGAbiolinks")
16 if (!require("maftools", quietly = TRUE))
17   BiocManager::install("maftools")
18 library(BiocManager)
19 library(TCGAbiolinks)
20 library(maftools)
21 ^
22 ```{r}
23 clin_query <- GDCquery(project = "TCGA-BRCA",
24                       data.category = "Clinical",
25                       file.type = "xml")
26 GDCdownload(clin_query)
27 clinic <- GDCprepare_clinic(clin_query,
28                            clinical.info = "patient")
29 ^
30 ```{r}
31 colnames(clinic)[ colnames(clinic) == "bcr_patient_barcode" ] <-
32   "Tumor_Sample_Barcode"
33 maf_query <- GDCquery(
34   project = "TCGA-BRCA",
35   data.category = "Simple Nucleotide Variation",
36   access = "open",
37   data.type = "Masked Somatic Mutation",
38   workflow.type = "Aliquot Ensemble Somatic Variant Merging and Masking"
39 )
40 GDCdownload(maf_query)
41 maf <- GDCprepare(maf_query)
42 maf_object <- read.maf(maf = maf,
43                      clinicalData = clinic,
44                      isTCGA = TRUE)
45 ^
46
47 ^
48 ```{r}
49 rna_query <- GDCquery(project = "TCGA-BRCA",
50                      data.category = "Transcriptome Profiling",
51                      data.type = "Gene Expression Quantification",
52                      workflow.type = "STAR - Counts")
53 GDCdownload(rna_query)
54 rna_se <- GDCprepare(rna_query)
55 ^
56

```

```

In [1]: import os
os.chdir('/Users/sankalpm/Documents/QBIO_490_sp23/qbio_490_sankalp/analysis_data')
import cptac
cptac.download(dataset="Brca")

```

Out[1]: True

In [ ]: |