

T cell characteristics associated with irAE from ICI in melanoma

- data reproduction of <https://www.nature.com/articles/s41591-021-01623-z>

Load necessary libraries

```
library(Seurat)
```

```
## The legacy packages maptools, rgdal, and rgeos, underpinning this package  
## will retire shortly. Please refer to R-spatial evolution reports on  
## https://r-spatial.org/r/2023/05/15/evolution4.html for details.  
## This package is now running under evolution status 0
```

```
## Attaching SeuratObject
```

```
library(ggplot2)  
library(dplyr)
```

```
##  
## Attaching package: 'dplyr'
```

```
## The following objects are masked from 'package:stats':  
##  
##   filter, lag
```

```
## The following objects are masked from 'package:base':  
##  
##   intersect, setdiff, setequal, union
```

```
library(readr)  
library(readxl)
```

Set theme

```
theme_set(  
  theme_bw(20) +  
    theme(panel.grid.major = element_blank(),  
          panel.grid.minor = element_blank(),  
          panel.border = element_rect(colour="black", fill = NA, size = 1),  
          axis.text = element_text(colour="black")),
```

```
axis.ticks = element_line(colour="black"),
axis.text.x = element_text(angle=0),
legend.title = element_text(size = 10),
legend.text = element_text(size = 7)))
```

```
## Warning: The 'size' argument of 'element_rect()' is deprecated as of ggplot2 3.4.0.
## i Please use the 'linewidth' argument instead.
## This warning is displayed once every 8 hours.
## Call 'lifecycle::last_lifecycle_warnings()' to see where this warning was
## generated.
```

Import supplementary data

```
supp_data_1 <- read_excel("../raw_data/supp_tables.xlsx", sheet = "cleaned_table_s1")

supp_data_2 <- read_excel("../raw_data/supp_tables.xlsx", sheet = "cleaned_table_s3") %>%
  mutate(`Highest irAE grade` = as.character(`Highest irAE grade`)) %>%
  rename(`ICI Regimen` = `ICI regimen`)

supp_data <- inner_join(supp_data_1, supp_data_2, by = c("Patient ID", "Cohort", "Prior ICI treatment",
supp_data <- supp_data %>%
  rename(`patient.ID` = `Patient ID`)

supp_data
```

```
## # A tibble: 18 x 23
##   Cohort    patient.ID `ICI Regimen` `Prior ICI treatment` `Highest irAE grade`
##   <chr>      <chr>      <chr>      <chr>                  <chr>
## 1 Single-c~ YUCARD      Combination No                      3
## 2 Single-c~ YUTAU      Combination No                      3
## 3 Single-c~ YUPIXEL    Combination No                      3
## 4 Single-c~ YUVARDO  Combination No                      3
## 5 Single-c~ YUFURL    Combination No                      3
## 6 Single-c~ YUTORY    Combination No                      3
## 7 Single-c~ YUHERN    Combination No                      2
## 8 Single-c~ YUGRUS    Combination No                      2
## 9 Single-c~ YUROD     Combination No                      2
## 10 Single-c~ YUENZO    Anti-PD1    No                      1
## 11 Single-c~ YUTHEA    Combination No                      1
## 12 Single-c~ YUKEND    Anti-PD1    No                      0
## 13 Single-c~ YUFUB     Combination No                      0
## 14 Single-c~ YUALOE    Combination No                      3
## 15 Single-c~ YUNANCY    Combination No                      3
## 16 Single-c~ YUWINTER  Anti-PD1    No                      2
## 17 Single-c~ YUDIGIT    Anti-PD1    No                      1
## 18 Single-c~ WOMENLO    Combination No                      0
## # i 18 more variables: `Site of highest irAE grade` <chr>, CyTOF <dbl>,
## #   `scrNA-seq` <dbl>, `Bulk RNA-seq` <dbl>, `immuno-SEQ` <dbl>,
## #   `Flow cytometry` <dbl>, `Age (years)` <dbl>, Sex <chr>,
```

```
## # 'Metastatic melanoma subtype' <chr>,
## # 'Severe irAE status (1=Yes, 0=No)' <dbl>,
## # 'Time to severe irAE or last follow-up (months)' <dbl>,
## # 'Gastrointestinal (GI) irAE status (1=Yes, 0=No)' <dbl>, ...
```

Process metadata

```
batch_a_metadata <- read.table("../raw_data/GSE189125_5prime_scRNAseq_seqbatchA_metadata.txt", sep = "\t")

# rename columns with first row values
colnames(batch_a_metadata) <- batch_a_metadata[1, ]

# remove first row
batch_a_metadata <- batch_a_metadata[-1, ]

# Set row names from the values in the 'barcode' column
rownames(batch_a_metadata) <- batch_a_metadata$barcode

# Remove the 'barcode' column from the data frame, standardize patient ID naming
batch_a_metadata <- select(batch_a_metadata, -barcode) %>%
  rename(`patient.ID` = `patient ID`)

# make rownames from metadata match colnames from count data
rownames(batch_a_metadata) <- gsub("-", ".", rownames(batch_a_metadata))

# join with supplemental metadata
merged_batch_a_metadata <- left_join(batch_a_metadata, supp_data, by = "patient.ID") %>%
  # filter for scRNAseq data
  filter(`scRNA-seq` == 1)

# regenerate rownames lost in merging
rownames(merged_batch_a_metadata) <- rownames(batch_a_metadata)

batch_a_metadata
```

```
##
## patient.ID unsupervised cell cluster
## AAACCTGAGACGACGT.1_1 YUCARD Mono 5
## AAACCTGAGATATACG.1_1 YUCARD Mono 8
## AAACCTGAGCATCATC.1_1 YUCARD CD4T 1
## AAACCTGAGGTCGGAT.1_1 YUCARD B 2
## AAACCTGCACCGCTAG.1_1 YUCARD CD4T 4
## AAACCTGCATCGTCGG.1_1 YUCARD Mono 3
## AAACCTGGTAGCTCCG.1_1 YUCARD CD4T 1
## AAACCTGGTCTCATCC.1_1 YUCARD CD4T 1
## AAACCTGGTTCTGGTA.1_1 YUCARD CD4T 1
## AAACCTGGTTGTCTTT.1_1 YUCARD CD4T 2
## AAACCTGTCCTTAATC.1_1 YUCARD CD8T 2
## AAACCTGTCGAGAACG.1_1 YUCARD NK 4
## AAACCTGTCGGCTACG.1_1 YUCARD CD4T 6
## AAACCTGTCTCAAGTG.1_1 YUCARD CD4T 1
## AAACCTGTCTGGCGAC.1_1 YUCARD CD4T 4
```

## AAACGGGAGTACTTGC.1_1	YUCARD	Mono 5
## AAACGGGCAAGGTTTC.1_1	YUCARD	CD4T 4
## AAACGGGCACCCATTC.1_1	YUCARD	CD4T 1
## AAACGGGGTACCATCA.1_1	YUCARD	Mono 7
## AAACGGGGTTCACCTC.1_1	YUCARD	CD4T 1
## AAACGGGGTTGGTTTG.1_1	YUCARD	CD4T 6
## AAACGGGTCACTTATC.1_1	YUCARD	CD4T 6
## AAACGGGTCTGTTGAG.1_1	YUCARD	CD4T 7
## AAAGATGAGAAGCCCA.1_1	YUCARD	Mono 2
## AAAGATGAGGCTCAGA.1_1	YUCARD	CD4T 2
## AAAGATGAGTCAAGCG.1_1	YUCARD	CD4T 4
## AAAGATGAGTGGCACA.1_1	YUCARD	Mono 8
## AAAGATGAGTTAACGA.1_1	YUCARD	Mono 8
## AAAGATGCAATAGCGG.1_1	YUCARD	CD4T 1
## AAAGATGCAATGGATA.1_1	YUCARD	Mono 8
## AAAGATGCATTCGACA.1_1	YUCARD	NK 2
## AAAGATGGTCAACTGT.1_1	YUCARD	CD4T 4
## AAAGATGTCACCTCGT.1_1	YUCARD	Mono 4
## AAAGATGTCCACTGGG.1_1	YUCARD	CD4T 4
## AAAGCAAAGGATGCGT.1_1	YUCARD	NK 4
## AAAGCAAAGTGTGAAT.1_1	YUCARD	CD4T 1
## AAAGCAACAAAGTCAA.1_1	YUCARD	B 2
## AAAGCAACAACACGCC.1_1	YUCARD	Mono 7
## AAAGCAACAATGCCAT.1_1	YUCARD	CD4T 1
## AAAGCAAGTAACGCGA.1_1	YUCARD	B 3
## AAAGCAAGTGCTAGCC.1_1	YUCARD	CD4T 1
## AAAGCAATCAAACAAG.1_1	YUCARD	CD4T 1
## AAAGCAATCACCGTAA.1_1	YUCARD	CD4T 1
## AAAGCAATCTGCAGTA.1_1	YUCARD	CD4T 2
## AAAGTAGAGAGGTAGA.1_1	YUCARD	CD4T 7
## AAAGTAGGTATAGTAG.1_1	YUCARD	CD4T 2
## AAAGTAGGTGGTACAG.1_1	YUCARD	Mono 4
## AAAGTAGTCAGTCCCT.1_1	YUCARD	B 2
## AAAGTAGTCCTAGGGC.1_1	YUCARD	Mono 4
## AAAGTAGTCTTAGCCC.1_1	YUCARD	CD4T 1
## AAATGCCAGGACGAAA.1_1	YUCARD	CD4T 4
## AAATGCCAGGCATGTG.1_1	YUCARD	Mono 8
## AAATGCCAGTTGTAGA.1_1	YUCARD	CD4T 2
## AAATGCCCAAGCCGTC.1_1	YUCARD	CD4T 1
## AAATGCCCACGACTCG.1_1	YUCARD	CD4T 4
## AAATGCCCATGGGAAC.1_1	YUCARD	CD4T 4
## AAATGCCCATTCCTGC.1_1	YUCARD	CD4T 4
## AAATGCCGTGTAACGG.1_1	YUCARD	Mono 5
## AAATGCCTCAACCATG.1_1	YUCARD	TNKT 1
## AAATGCCTCCCAAGTA.1_1	YUCARD	CD4T 1
## AAATGCCTCCGAACGC.1_1	YUCARD	CD4T 1
## AACACGTAGCCTATGT.1_1	YUCARD	Mono 2
## AACACGTAGCTTCGCG.1_1	YUCARD	Mono 1
## AACACGTCAACGATGG.1_1	YUCARD	NK 3
## AACACGTCAAGCCGTC.1_1	YUCARD	CD4T 4
## AACACGTCAATTAGGCT.1_1	YUCARD	CD4T 3
## AACACGTGTGGGTATG.1_1	YUCARD	CD4T 1
## AACACGTGTTGTTTC.1_1	YUCARD	TNKT 1
## AACACGTTCGCGGATC.1_1	YUCARD	B 2

## AACACGTTTCGGCGCAT.1_1	YUCARD	Mono 5
## AACACGTTCTGCAAGT.1_1	YUCARD	Mono 4
## AACACGTTCTGGTGTA.1_1	YUCARD	Mono 4
## AACCATGAGCAGACTG.1_1	YUCARD	CD4T 2
## AACCATGAGGGTCTCC.1_1	YUCARD	CD8T 1
## AACCATGGTGCAGACA.1_1	YUCARD	NK 1
## AACCATGGTTCTGAAC.1_1	YUCARD	NK 2
## AACCGCGAGTATTGGA.1_1	YUCARD	Mono 5
## AACCGCGAGTTTGCGT.1_1	YUCARD	NK 4
## AACCGCGCAAGCTGGA.1_1	YUCARD	CD4T 4
## AACCGCGCAAGTAATG.1_1	YUCARD	NK 3
## AACCGCGCAGGGTACA.1_1	YUCARD	CD8T 3
## AACCGCGCAGTGACAG.1_1	YUCARD	NK 4
## AACCGCGCATTGGCGC.1_1	YUCARD	TNKT 1
## AACCGCGGTTACCTC.1_1	YUCARD	CD4T 4
## AACGTTGAGCTATGCT.1_1	YUCARD	CD4T 2
## AACGTTGCACCCATTC.1_1	YUCARD	CD4T 4
## AACGTTGCACCGTTGG.1_1	YUCARD	Mono 1
## AACGTTGCACCTATCC.1_1	YUCARD	TNKT 1
## AACGTTGCATCCGCGA.1_1	YUCARD	Mono 8
## AACTCAGAGACGACGT.1_1	YUCARD	CD4T 1
## AACTCAGAGCCAGTTT.1_1	YUCARD	Mono 1
## AACTCAGAGCCGCCTA.1_1	YUCARD	CD4T 3
## AACTCAGAGTACGCCC.1_1	YUCARD	B 2
## AACTCAGCAAGAGTCG.1_1	YUCARD	CD8T 1
## AACTCAGCAATTGCTG.1_1	YUCARD	Mono 5
## AACTCAGCACCCAGCAC.1_1	YUCARD	TNKT 2
## AACTCAGCATGGGACA.1_1	YUCARD	Mono 4
## AACTCAGCATTGAGCT.1_1	YUCARD	Mono 3
## AACTCAGGTTTGTTTC.1_1	YUCARD	B 2
## AACTCAGTCAATCTCT.1_1	YUCARD	CD4T 2
## AACTCAGTCATGTGGT.1_1	YUCARD	CD4T 5
## AACTCAGTCCCATTTA.1_1	YUCARD	Mono 4
## AACTCAGTCGCGGATC.1_1	YUCARD	CD4T 7
## AACTCAGTCTAAGCCA.1_1	YUCARD	CD4T 2
## AACTCAGTCTCTGTCTG.1_1	YUCARD	CD4T 3
## AACTCCCAGGGTCGAT.1_1	YUCARD	NK 2
## AACTCCCCAAGGTTTC.1_1	YUCARD	CD4T 3
## AACTCCCCAGATAATG.1_1	YUCARD	Mono 9
## AACTCCCTCAGGCAAG.1_1	YUCARD	CD8T 1
## AACTCTTAGACACGAC.1_1	YUCARD	NK 2
## AACTCTTAGAGCCCAA.1_1	YUCARD	CD4T 4
## AACTCTTAGCTGAAAT.1_1	YUCARD	Mono 5
## AACTCTTAGTCTCAAC.1_1	YUCARD	Mono 8
## AACTCTTCACCAGATT.1_1	YUCARD	CD4T 3
## AACTCTTGTAAGCACG.1_1	YUCARD	CD4T 2
## AACTCTTGTAGCACGA.1_1	YUCARD	NK 2
## AACTCTTTCTGCCCTA.1_1	YUCARD	Mono 5
## AACTGGTAGTCGCCGT.1_1	YUCARD	Mono 5
## AACTGGTCAAATCCGT.1_1	YUCARD	CD4T 3
## AACTGGTCACAGATTC.1_1	YUCARD	Mono 2
## AACTGGTCATCCCACT.1_1	YUCARD	Mono 7
## AACTGGTGTGAGAAGC.1_1	YUCARD	Mono 4
## AACTGGTGTGATGCCC.1_1	YUCARD	CD4T 4

## AACTGGTGTGGTAACG.1_1	YUCARD	NK 2
## AACTGGTTCGCCATAA.1_1	YUCARD	Mono 4
## AACTGGTTCTGGTATG.1_1	YUCARD	Mono 8
## AACTTTTCAGAATTCCC.1_1	YUCARD	Mono 1
## AACTTTTCAGAGTACAT.1_1	YUCARD	CD4T 3
## AACTTTTCAGTTGTCGT.1_1	YUCARD	Mono 8
## AACTTTTCCAAATTGCC.1_1	YUCARD	CD4T 7
## AACTTTTCCAAGCCTAT.1_1	YUCARD	CD8T 2
## AACTTTTCCAGACGCAA.1_1	YUCARD	CD4T 7
## AACTTTTCCAGGTGCCT.1_1	YUCARD	CD4T 1
## AACTTTTCGTCAACATC.1_1	YUCARD	CD8T 1
## AACTTTTCGTGAAATCA.1_1	YUCARD	CD8T 3
## AACTTTTCGTGAGCGAT.1_1	YUCARD	Mono 7
## AACTTTTCGTGATGATA.1_1	YUCARD	Mono 7
## AACTTTTCGTGTTTGGT.1_1	YUCARD	Mono 1
## AACTTTTCGTTATTCTC.1_1	YUCARD	Mono 9
## AACTTTTCGTTCGAATC.1_1	YUCARD	Mono 5
## AACTTTTCTCACTGGGC.1_1	YUCARD	Mono 4
## AACTTTTCTCGCAGGCT.1_1	YUCARD	Mono 8
## AACTTTTCTCGTAGGTT.1_1	YUCARD	Mono 7
## AAGACCTAGTCAAGGC.1_1	YUCARD	NK 2
## AAGACCTAGTTGTCGT.1_1	YUCARD	CD4T 4
## AAGACCTCAATGGATA.1_1	YUCARD	CD4T 1
## AAGACCTCATGGTTGT.1_1	YUCARD	B 2
## AAGACCTGTCAGCTAT.1_1	YUCARD	B 3
## AAGACCTGTCTCTTAT.1_1	YUCARD	CD4T 1
## AAGACCTGTTCTGTGAT.1_1	YUCARD	Mono 5
## AAGACCTTCATGCATG.1_1	YUCARD	Mono 4
## AAGCCGCAGAATAGGG.1_1	YUCARD	Mono 4
## AAGCCGCAGAGGTAGA.1_1	YUCARD	CD4T 4
## AAGCCGCAGCTCCTTC.1_1	YUCARD	Mono 4
## AAGCCGCAGGTTACCT.1_1	YUCARD	Mono 9
## AAGCCGCCATCCGGGT.1_1	YUCARD	Mono 2
## AAGCCGCGTTCAGCGC.1_1	YUCARD	NK 2
## AAGCCGCTCATGCTCC.1_1	YUCARD	Mono 9
## AAGCCGCTCTCCAGGG.1_1	YUCARD	TNKT 2
## AAGGAGCCACAGGCCT.1_1	YUCARD	CD4T 1
## AAGGAGCCAGCGTTTCG.1_1	YUCARD	CD4T 1
## AAGGAGCTCGTCTGAA.1_1	YUCARD	Mono 2
## AAGGAGCTCTTGGGTA.1_1	YUCARD	B 2
## AAGGCAGAGATCCCGC.1_1	YUCARD	TNKT 1
## AAGGCAGCAAAGGAAG.1_1	YUCARD	NK 1
## AAGGCAGCAAGCCATT.1_1	YUCARD	CD4T 4
## AAGGCAGCAGGAATCG.1_1	YUCARD	Mono 4
## AAGGCAGGTTCACT.1_1	YUCARD	CD4T 2
## AAGGCAGGTTGCGCAC.1_1	YUCARD	Mono 5
## AAGGCAGTCATTCACT.1_1	YUCARD	Mono 4
## AAGGTTTCAGAAACGCC.1_1	YUCARD	Mono 8
## AAGGTTTCAGGTGATTA.1_1	YUCARD	Mono 2
## AAGGTTTCAGTACGACG.1_1	YUCARD	CD4T 2
## AAGGTTTCAGTGCAAGC.1_1	YUCARD	CD4T 4
## AAGGTTCCAACCGCCA.1_1	YUCARD	Mono 9
## AAGGTTCCAGATCGGA.1_1	YUCARD	DC 1
## AAGGTTCCATAGTAAG.1_1	YUCARD	NK 3

## AAGGTTCTGTCACGAA.1_1	YUCARD	Mono 7
## AAGGTTCTGTTACCAGT.1_1	YUCARD	CD4T 1
## AAGGTTCTGTTACAGACT.1_1	YUCARD	CD4T 1
## AAGGTTCTCATGGTCA.1_1	YUCARD	Mono 4
## AAGGTTCTCTACCTGC.1_1	YUCARD	Mono 7
## AAGGTTCTCTCGTTTA.1_1	YUCARD	CD4T 4
## AAGGTTCTCTGGCGTG.1_1	YUCARD	Mono 5
## AAGGTTCTCTTTAGTC.1_1	YUCARD	CD4T 3
## AAGTCTGAGGTTCCCTA.1_1	YUCARD	TNKT 1
## AAGTCTGAGTATCGAA.1_1	YUCARD	CD4T 2
## AAGTCTGAGTTAACGA.1_1	YUCARD	CD4T 1
## AAGTCTGCAAGCTGGA.1_1	YUCARD	CD4T 7
## AAGTCTGCAATGGACG.1_1	YUCARD	Mono 7
## AAGTCTGCACCCAGTG.1_1	YUCARD	Mono 5
## AAGTCTGCACTGCCAG.1_1	YUCARD	Mono 4
## AAGTCTGCAGCAGTTT.1_1	YUCARD	CD4T 1
## AAGTCTGGTAGCACGA.1_1	YUCARD	CD4T 4
## AAGTCTGGTCCTAGCG.1_1	YUCARD	CD4T 1
## AAGTCTGTCAAACAAG.1_1	YUCARD	NK 1
## AAGTCTGTCTGCCAT.1_1	YUCARD	CD4T 1
## AATCCAGAGATTACCC.1_1	YUCARD	TNKT 1
## AATCCAGAGGCAATTA.1_1	YUCARD	NK 2
## AATCCAGAGGCCGTT.1_1	YUCARD	CD8T 3
## AATCCAGAGGGAAACA.1_1	YUCARD	Mono 9
## AATCCAGAGTCGATAA.1_1	YUCARD	Mono 7
## AATCCAGAGTGAGTC.1_1	YUCARD	B 2
## AATCCAGAGTTACCCA.1_1	YUCARD	NK 1
## AATCCAGCAAAGCGGT.1_1	YUCARD	CD4T 5
## AATCCAGTCAAGGTAA.1_1	YUCARD	B 2
## AATCCAGTCACGACTA.1_1	YUCARD	Mono 1
## AATCCAGTCTCACATT.1_1	YUCARD	NK 3
## AATCCAGTCTGGTATG.1_1	YUCARD	CD4T 1
## AATCGGTAGATCCGAG.1_1	YUCARD	CD4T 2
## AATCGGTAGTACGACG.1_1	YUCARD	CD4T 2
## AATCGGTAGTCGTACT.1_1	YUCARD	CD4T 1
## AATCGGTACAGTAAGAT.1_1	YUCARD	CD4T 2
## AATCGGTGTACATGTC.1_1	YUCARD	CD4T 6
## AATCGGTGTCCGAGTC.1_1	YUCARD	CD4T 1
## AATCGGTGTGAGGCTA.1_1	YUCARD	CD4T 7
## AATCGGTTCGATAGAA.1_1	YUCARD	Mono 4
## AATCGGTTCTGTTGAG.1_1	YUCARD	CD4T 1
## ACACCAAAGACGACGT.1_1	YUCARD	NK 4
## ACACCAAAGATGCGAC.1_1	YUCARD	B 1
## ACACCAAAGTCAATAG.1_1	YUCARD	CD4T 2
## ACACCAACATCGATTG.1_1	YUCARD	CD4T 2
## ACACCAACATCTCGCT.1_1	YUCARD	Mono 1
## ACACCAAGTAAATGAC.1_1	YUCARD	TNKT 1
## ACACCAAGTCCGTCAG.1_1	YUCARD	Mono 8
## ACACCAAGTCCTGCTT.1_1	YUCARD	Mono 8
## ACACCAAGTCTCCCTA.1_1	YUCARD	CD4T 1
## ACACCAAGTTGTTTGG.1_1	YUCARD	Mono 2
## ACACCAATCACGCGGT.1_1	YUCARD	Mono 9
## ACACCAATCCCTTGCA.1_1	YUCARD	CD8T 1
## ACACCCTAGACAGAGA.1_1	YUCARD	NK 1

## ACACCCTAGAGACTAT.1_1	YUCARD	CD4T 1
## ACACCCTAGAGGGATA.1_1	YUCARD	Mono 8
## ACACCCTAGTGAACGC.1_1	YUCARD	CD8T 2
## ACACCCTCAATCCAAC.1_1	YUCARD	CD8T 2
## ACACCCTCATCACCCT.1_1	YUCARD	NK 1
## ACACCCTGTACCGTTA.1_1	YUCARD	NK 2
## ACACCCTGTCCCTACT.1_1	YUCARD	Mono 4
## ACACCCTGTTCGTCTC.1_1	YUCARD	NK 3
## ACACCCTTCAAAGACA.1_1	YUCARD	Mono 1
## ACACCCTTCACCCGAG.1_1	YUCARD	NK 4
## ACACCCTTCTGGTGTA.1_1	YUCARD	Mono 5
## ACACCGGAGAGGGATA.1_1	YUCARD	CD4T 1
## ACACCGGAGGAGTACC.1_1	YUCARD	CD4T 1
## ACACCGGAGGTTCCCTA.1_1	YUCARD	Mono 4
## ACACCGGCAAGTAGTA.1_1	YUCARD	Mono 8
## ACACCGGCACTTGGAT.1_1	YUCARD	Mono 5
## ACACCGGCAGGTCTCG.1_1	YUCARD	NK 2
## ACACCGGGTCGCGGTT.1_1	YUCARD	TNKT 2
## ACACCGGGTTACGCGC.1_1	YUCARD	CD4T 2
## ACACCGGTCACTCTTA.1_1	YUCARD	CD4T 1
## ACACCGGTCAGCCTAA.1_1	YUCARD	B 2
## ACACCGGTCCTTTACA.1_1	YUCARD	Mono 4
## ACACCGGTCTGCAAGT.1_1	YUCARD	Mono 2
## AACTGACAATGAATG.1_1	YUCARD	Mono 2
## AACTGACACCCATGG.1_1	YUCARD	CD4T 2
## AACTGACATTGGGCC.1_1	YUCARD	CD4T 5
## AACTGAGTACCTACA.1_1	YUCARD	Mono 5
## AACTGAGTACGCTGC.1_1	YUCARD	Mono 4
## AACTGAGTGTCTGAT.1_1	YUCARD	CD4T 4
## AACTGATCAACGCTA.1_1	YUCARD	Mono 4
## AACTGATCAAGGCTT.1_1	YUCARD	Mono 2
## AACTGATCACTTCAT.1_1	YUCARD	CD4T 7
## AACTGATCAGGTAAA.1_1	YUCARD	Mono 4
## AACTGATCGAATGGG.1_1	YUCARD	Mono 8
## ACAGCCGAGTCCCACG.1_1	YUCARD	Mono 3
## ACAGCCGGTAAATGTG.1_1	YUCARD	NK 2
## ACAGCCGTCAAGATCC.1_1	YUCARD	CD4T 4
## ACAGCCGTCTGCGGCA.1_1	YUCARD	NK 1
## ACAGCTAAGCTATGCT.1_1	YUCARD	NK 2
## ACAGCTAAGTGGTAGC.1_1	YUCARD	NK 3
## ACAGCTACACCTGGTG.1_1	YUCARD	Mono 4
## ACAGCTACATCTATGG.1_1	YUCARD	Mono 2
## ACAGCTACATTACCTT.1_1	YUCARD	TNKT 2
## ACAGCTAGTCATACTG.1_1	YUCARD	CD4T 1
## ACAGCTAGTCCAGTGC.1_1	YUCARD	Mono 1
## ACAGCTATCAACGGCC.1_1	YUCARD	B 2
## ACAGCTATCCTGCCAT.1_1	YUCARD	Mono 7
## ACATACGAGACAGAGA.1_1	YUCARD	Mono 1
## ACATACGAGAGCCCAA.1_1	YUCARD	Mono 9
## ACATACGAGATCTGAA.1_1	YUCARD	Mono 2
## ACATACGAGCTAGCCC.1_1	YUCARD	Mono 4
## ACATACGCAGCGATCC.1_1	YUCARD	TNKT 1
## ACATACGCATCACGAT.1_1	YUCARD	DC 1
## ACATACGCATTGGTAC.1_1	YUCARD	Mono 9

## ACATACGGTAAGGATT.1_1	YUCARD	CD8T 1
## ACATACGGTCTTCAAG.1_1	YUCARD	NK 2
## ACATACGTCCGTAGGC.1_1	YUCARD	CD4T 7
## ACATCAGCAATCAGAA.1_1	YUCARD	Mono 7
## ACATCAGCACAACGCC.1_1	YUCARD	B 2
## ACATCAGTCGGATGGA.1_1	YUCARD	Mono 4
## ACATGGTAGAAAGTGG.1_1	YUCARD	B 2
## ACATGGTAGATCCCAT.1_1	YUCARD	TNKT 2
## ACATGGTAGGCATGTG.1_1	YUCARD	CD4T 3
## ACATGGTAGTGCAAGC.1_1	YUCARD	Mono 5
## ACATGGTCAGTCCTTC.1_1	YUCARD	Mono 4
## ACATGGTGTAAGGAG.1_1	YUCARD	TNKT 1
## ACATGGTGTGCTAGCC.1_1	YUCARD	Mono 2
## ACATGGTGTTCCTTG.1_1	YUCARD	CD4T 1
## ACATGGTTCTCAAGTG.1_1	YUCARD	CD4T 1
## ACCAGTAAGAACAAC.1_1	YUCARD	B 2
## ACCAGTAAGACTCGGA.1_1	YUCARD	B 2
## ACCAGTAAGATTACCC.1_1	YUCARD	B 2
## ACCAGTAAGCGTCTAT.1_1	YUCARD	CD4T 4
## ACCAGTACAAGTCATC.1_1	YUCARD	Mono 5
## ACCAGTACACCGAAAG.1_1	YUCARD	TNKT 1
## ACCAGTACACCGGAAA.1_1	YUCARD	CD4T 1
## ACCAGTACACGCCAGT.1_1	YUCARD	Mono 4
## ACCAGTAGTACAAGTA.1_1	YUCARD	CD4T 7
## ACCAGTAGTGTGGGA.1_1	YUCARD	CD4T 2
## ACCAGTATCAAGATCC.1_1	YUCARD	Mono 7
## ACCAGTATCACCGTAA.1_1	YUCARD	B 3
## ACCAGTATCACTGGGC.1_1	YUCARD	NK 3
## ACCAGTATCCCAACGG.1_1	YUCARD	Mono 9
## ACCAGTATCCTTCAAT.1_1	YUCARD	B 2
## ACCCACTAGCTAGCCC.1_1	YUCARD	Mono 5
## ACCCACTAGTACACCT.1_1	YUCARD	NK 2
## ACCCACTCATATGAGA.1_1	YUCARD	NK 3
## ACCCACTTCATGTCTT.1_1	YUCARD	Mono 4
## ACCCACTTCCTGCCAT.1_1	YUCARD	CD4T 4
## ACCCACTTCTAGAGTC.1_1	YUCARD	Mono 8
## ACCCACTTCTCTAGGA.1_1	YUCARD	B 2
## ACCCACTTCTGCGACG.1_1	YUCARD	CD4T 5
## ACCGTAAAGATGTTAG.1_1	YUCARD	B 2
## ACCGTAAAGCAATCTC.1_1	YUCARD	CD4T 2
## ACCGTAAAGGCATTGG.1_1	YUCARD	CD4T 4
## ACCGTAACACGACGAA.1_1	YUCARD	CD4T 1
## ACCGTAAGTGCAACGA.1_1	YUCARD	Mono 4
## ACCGTAATCGTTTATC.1_1	YUCARD	Mono 2
## ACCTTTAAGACAAAGG.1_1	YUCARD	NK 3
## ACCTTTAAGACAGAGA.1_1	YUCARD	Mono 8
## ACCTTTACACCAGCAC.1_1	YUCARD	Mono 2
## ACCTTTATCTTACCTA.1_1	YUCARD	CD4T 6
## ACGAGCCCAGATAATG.1_1	YUCARD	B 2
## ACGAGCCCAGTCGATT.1_1	YUCARD	CD4T 3
## ACGAGCCGTAAATGAC.1_1	YUCARD	B 2
## ACGAGCCGTCCCTACT.1_1	YUCARD	CD4T 1
## ACGAGCCGTTACCAGT.1_1	YUCARD	Mono 8
## ACGAGCCGTTACGCGC.1_1	YUCARD	CD4T 4

## ACGAGCCTCACAACGT.1_1	YUCARD	NK 1
## ACGAGCCTCCATGCTC.1_1	YUCARD	CD8T 3
## ACGAGCCTCTGACCTC.1_1	YUCARD	CD4T 4
## ACGAGGAAGCGGCTTC.1_1	YUCARD	CD4T 7
## ACGAGGAAGCTAGTCT.1_1	YUCARD	CD4T 1
## ACGAGGAAGCTAGTGG.1_1	YUCARD	NK 2
## ACGAGGACAAGTTAAG.1_1	YUCARD	Mono 4
## ACGAGGACAATGACCT.1_1	YUCARD	B 3
## ACGAGGACACAACGT.1_1	YUCARD	CD8T 3
## ACGAGGACACATGGGA.1_1	YUCARD	CD4T 2
## ACGAGGACACGGCCAT.1_1	YUCARD	CD4T 1
## ACGAGGACAGCGTCCA.1_1	YUCARD	CD4T 1
## ACGAGGACAGTGGAGT.1_1	YUCARD	Mono 1
## ACGAGGACATCAGTAC.1_1	YUCARD	CD8T 1
## ACGAGGAGTTTAGCTG.1_1	YUCARD	Mono 2
## ACGAGGAGTTTGGCGC.1_1	YUCARD	CD4T 1
## ACGAGGATCCGTACAA.1_1	YUCARD	NK 2
## ACGAGGATCCGTCATC.1_1	YUCARD	CD4T 1
## ACGAGGATCGAATCCA.1_1	YUCARD	Mono 2
## ACGATACCAAAGCGGT.1_1	YUCARD	CD4T 4
## ACGATACCACAGGAGT.1_1	YUCARD	CD8T 1
## ACGATACCACTTCTGC.1_1	YUCARD	Mono 7
## ACGATACCAGCTGTAT.1_1	YUCARD	CD4T 6
## ACGATACCATCGGACC.1_1	YUCARD	B 3
## ACGATACCATGCCTTC.1_1	YUCARD	CD4T 4
## ACGATACGTCAATCT.1_1	YUCARD	CD4T 6
## ACGATACTCAACGGGA.1_1	YUCARD	B 2
## ACGATACTCTGTCTCG.1_1	YUCARD	Mono 1
## ACGATGTAGGACATTA.1_1	YUCARD	Mono 7
## ACGATGTAGGTAAACT.1_1	YUCARD	CD4T 2
## ACGATGTAGTTAAGTG.1_1	YUCARD	B 2
## ACGATGTAGTTACCCA.1_1	YUCARD	NK 1
## ACGATGTCAAGTAGTA.1_1	YUCARD	CD4T 1
## ACGATGTCACGTCAGC.1_1	YUCARD	CD8T 1
## ACGATGTCATGCCACG.1_1	YUCARD	CD8T 3
## ACGATGTGTTTGAATC.1_1	YUCARD	Mono 4
## ACGATGTTTCGCAAGCC.1_1	YUCARD	Mono 4
## ACGATGTTTCGTCGTTT.1_1	YUCARD	TNKT 1
## ACGATGTTTCTACTCAT.1_1	YUCARD	B 3
## ACGCAGCAGTACCGGA.1_1	YUCARD	Mono 4
## ACGCAGCAGTTAGGTA.1_1	YUCARD	TNKT 1
## ACGCAGCCACTGCCAG.1_1	YUCARD	Mono 2
## ACGCAGCCATCGGTTA.1_1	YUCARD	Mono 2
## ACGCAGCTCAACACTG.1_1	YUCARD	CD4T 2
## ACGCAGCTCACAGTAC.1_1	YUCARD	Mono 8
## ACGCAGCTCGGAGCAA.1_1	YUCARD	B 2
## ACGCCAGAGCGATAGC.1_1	YUCARD	CD4T 4
## ACGCCAGAGCTAGGCA.1_1	YUCARD	CD4T 3
## ACGCCAGAGCTCCTCT.1_1	YUCARD	CD4T 1
## ACGCCAGAGTCCATAC.1_1	YUCARD	CD4T 2
## ACGCCAGAGTGACATA.1_1	YUCARD	CD4T 1
## ACGCCAGAGTGCCAGA.1_1	YUCARD	Mono 4
## ACGCCAGCAAGGACTG.1_1	YUCARD	CD4T 4
## ACGCCAGCACATCTTT.1_1	YUCARD	CD4T 2

##	ACGCCAGCAGGTGGAT.1_1	YUCARD	Mono	8
##	ACGCCAGTCAGCGACC.1_1	YUCARD	Mono	8
##	ACGCCAGTCATGTCTT.1_1	YUCARD	NK	1
##	ACGCCAGTCCTAGGGC.1_1	YUCARD	B	2
##	ACGCCGAAGCAAATCA.1_1	YUCARD	NK	4
##	ACGCCGAAGTTCGCGC.1_1	YUCARD	NK	3
##	ACGCCGACAAACCTAC.1_1	YUCARD	CD4T	6
##	ACGCCGACAAGTTGTC.1_1	YUCARD	CD8T	3
##	ACGCCGACATTTTCAGG.1_1	YUCARD	Mono	4
##	ACGCCGAGTCATCCCT.1_1	YUCARD	NK	1
##	ACGCCGATCTCCAGGG.1_1	YUCARD	Mono	4
##	ACGGAGAAGACATAAC.1_1	YUCARD	CD8T	3
##	ACGGAGAAGCCAGTAG.1_1	YUCARD	TNKT	1
##	ACGGAGAAGTGTGAA.1_1	YUCARD	Mono	2
##	ACGGAGACACGCATCG.1_1	YUCARD	CD4T	7
##	ACGGAGACAGGCAGTA.1_1	YUCARD	CD4T	1
##	ACGGAGACAGGGATTG.1_1	YUCARD	TNKT	1
##	ACGGAGAGTCTAACGT.1_1	YUCARD	CD4T	1
##	ACGGAGAGTTTGGGCC.1_1	YUCARD	CD4T	4
##	ACGGAGATCAACACTG.1_1	YUCARD	CD8T	1
##	ACGGCCAAGCAACGGT.1_1	YUCARD	CD4T	4
##	ACGGCCAAGCTATGCT.1_1	YUCARD	B	2
##	ACGGCCAAGGATCGCA.1_1	YUCARD	NK	2
##	ACGGCCACAAGTCATC.1_1	YUCARD	NK	1
##	ACGGCCACACTTACGA.1_1	YUCARD	Mono	2
##	ACGGCCAGTTGGAGGT.1_1	YUCARD	CD8T	1
##	ACGGCCATCAGTACGT.1_1	YUCARD	Mono	9
##	ACGGCCATCCAAGCCG.1_1	YUCARD	Mono	8
##	ACGGCCATCTTGACGA.1_1	YUCARD	Mono	2
##	ACGGGCTAGACACTAA.1_1	YUCARD	NK	2
##	ACGGGCTAGTCAATAG.1_1	YUCARD	Mono	4
##	ACGGGCTAGTTCGCAT.1_1	YUCARD	CD4T	1
##	ACGGGCTCAGCCTTTC.1_1	YUCARD	Mono	5
##	ACGGGCTCAGTTCCCT.1_1	YUCARD	NK	1
##	ACGGGCTGTACCCAAT.1_1	YUCARD	CD4T	7
##	ACGGGCTGTCTGATTG.1_1	YUCARD	CD4T	7
##	ACGGGCTGTGCAGTAG.1_1	YUCARD	NK	3
##	ACGGGCTTCAGGATCT.1_1	YUCARD	CD8T	2
##	ACGGGCTTCATTGCCC.1_1	YUCARD	CD4T	5
##	ACGGGTCAGGACAGAA.1_1	YUCARD	CD4T	2
##	ACGGGTCAGTCATGCT.1_1	YUCARD	Mono	9
##	ACGGGTCCAAGCGCTC.1_1	YUCARD	CD4T	6
##	ACGGGTTCGTGAACTC.1_1	YUCARD	Mono	5
##	ACGGGTCTCTTCGGTC.1_1	YUCARD	Mono	1
##	ACGGGTCTCTTCTGGC.1_1	YUCARD	DC	1
##	ACGTCAAGTAGCGTAG.1_1	YUCARD	B	2
##	ACGTCAAGTCTGCAAT.1_1	YUCARD	Mono	8
##	ACGTCAAGTTATCGGT.1_1	YUCARD	CD8T	3
##	ACGTCAAGTTCATGGT.1_1	YUCARD	CD4T	3
##	ACGTCAATCGTCGTTT.1_1	YUCARD	CD4T	1
##	ACTATCTAGCCAGAAC.1_1	YUCARD	Mono	8
##	ACTATCTAGGCAGGTT.1_1	YUCARD	CD4T	1
##	ACTATCTCATCACGTA.1_1	YUCARD	CD4T	7
##	ACTATCTGTAGCGTAG.1_1	YUCARD	B	2

## ACTATCTGTGACGCCT.1_1	YUCARD	Mono 8
## ACTATCTGTTGTTTGG.1_1	YUCARD	DC 1
## ACTATCTTCCATGAGT.1_1	YUCARD	Mono 7
## ACTGAACAGAAGGACA.1_1	YUCARD	Mono 1
## ACTGAACAGGAATCGC.1_1	YUCARD	CD8T 1
## ACTGAACAGGACACCA.1_1	YUCARD	CD4T 1
## ACTGAACCACCACGTG.1_1	YUCARD	CD8T 3
## ACTGAACCACCCATTC.1_1	YUCARD	CD4T 6
## ACTGAACCAGACAAGC.1_1	YUCARD	B 2
## ACTGAACCAGTTCCCT.1_1	YUCARD	CD4T 2
## ACTGAACCATAACCTG.1_1	YUCARD	Mono 9
## ACTGAACCATGCCACG.1_1	YUCARD	CD4T 7
## ACTGAACGTGCTAGCC.1_1	YUCARD	NK 2
## ACTGAACGTTGGTTTG.1_1	YUCARD	Mono 2
## ACTGAGTAGAGGTTAT.1_1	YUCARD	CD8T 1
## ACTGAGTAGGACGAAA.1_1	YUCARD	Mono 4
## ACTGAGTAGTACGATA.1_1	YUCARD	Mono 4
## ACTGAGTCAATCTACG.1_1	YUCARD	CD4T 3
## ACTGAGTCACCATCCT.1_1	YUCARD	Mono 9
## ACTGAGTCACGCGAAA.1_1	YUCARD	Mono 7
## ACTGAGTCATGCATGT.1_1	YUCARD	Mono 4
## ACTGAGTGTCAAAGCG.1_1	YUCARD	CD4T 1
## ACTGAGTTCAGAAATG.1_1	YUCARD	NK 3
## ACTGAGTTCATAACCG.1_1	YUCARD	CD4T 5
## ACTGAGTTCCAAGTAC.1_1	YUCARD	B 2
## ACTGAGTTCCTCATTA.1_1	YUCARD	CD4T 1
## ACTGAGTTCGGAATCT.1_1	YUCARD	Mono 2
## ACTGAGTTCTATCGCC.1_1	YUCARD	B 2
## ACTGATGAGACAATAC.1_1	YUCARD	NK 3
## ACTGATGCACAGGTTT.1_1	YUCARD	CD4T 4
## ACTGATGCACATCCGG.1_1	YUCARD	Mono 1
## ACTGATGCACCCTATC.1_1	YUCARD	Mono 9
## ACTGATGCATGCCTTC.1_1	YUCARD	B 2
## ACTGATGGTCTGATCA.1_1	YUCARD	CD8T 3
## ACTGATGGTGGCGAAT.1_1	YUCARD	CD4T 7
## ACTGATGGTGTATGGG.1_1	YUCARD	CD4T 2
## ACTGATGTCAAGGTAA.1_1	YUCARD	CD4T 1
## ACTGATGTCATCACCC.1_1	YUCARD	CD8T 2
## ACTGATGTCATGCATG.1_1	YUCARD	Mono 9
## ACTGATGTCCTAGTGA.1_1	YUCARD	CD4T 2
## ACTGCTCAGTTAGCGG.1_1	YUCARD	B 5
## ACTGCTCCACACATGT.1_1	YUCARD	CD8T 2
## ACTGCTCCAGCTTCGG.1_1	YUCARD	CD4T 3
## ACTGCTCGTACCGTAT.1_1	YUCARD	Mono 8
## ACTGCTCGTGGGTATG.1_1	YUCARD	TNKT 1
## ACTGCTCGTTGGTGGA.1_1	YUCARD	CD4T 6
## ACTGCTCTCCAAAGTC.1_1	YUCARD	NK 2
## ACTGCTCTCTCTAAGG.1_1	YUCARD	Mono 5
## ACTGTCCAGAGAGCTC.1_1	YUCARD	Mono 1
## ACTGTCCAGCGATTCT.1_1	YUCARD	CD4T 6
## ACTGTCCGTACACCGC.1_1	YUCARD	CD4T 4
## ACTGTCCGTGTCCTCT.1_1	YUCARD	CD4T 1
## ACTGTCCCTCCTTGGTC.1_1	YUCARD	Mono 7
## ACTGTCCCTCGACGGAA.1_1	YUCARD	Mono 9

## ACTTACTAGACTGTAA.1_1	YUCARD	Mono 7
## ACTTACTAGAGGTACC.1_1	YUCARD	CD4T 4
## ACTTACTAGCAGGCTA.1_1	YUCARD	CD8T 2
## ACTTACTAGGAGTACC.1_1	YUCARD	CD4T 3
## ACTTACTAGTAGCCGA.1_1	YUCARD	NK 3
## ACTTACTAGTCCATAC.1_1	YUCARD	B 2
## ACTTACTCAAGCTGAG.1_1	YUCARD	NK 2
## ACTTACTCACGGCGTT.1_1	YUCARD	Mono 4
## ACTTACTCACTGTCTGG.1_1	YUCARD	CD4T 2
## ACTTACTCATCGGGTC.1_1	YUCARD	Mono 2
## ACTTACTCATGTAAAG.1_1	YUCARD	Mono 4
## ACTTACTGTACCGGCT.1_1	YUCARD	CD4T 4
## ACTTACTGTCTGGCT.1_1	YUCARD	CD4T 3
## ACTTACTGTGGCAAAC.1_1	YUCARD	Mono 5
## ACTTACTGTGTGTGCC.1_1	YUCARD	NK 2
## ACTTACTGTTGTCTTT.1_1	YUCARD	CD4T 2
## ACTTACTTCTGTTTGT.1_1	YUCARD	CD4T 4
## ACTTGTTAGTGACATA.1_1	YUCARD	CD4T 2
## ACTTGTTTACATGTGT.1_1	YUCARD	Mono 4
## ACTTGTTGTGGCCCTA.1_1	YUCARD	NK 2
## ACTTGTTGTGGCGAAT.1_1	YUCARD	Mono 2
## ACTTGTTGTTCCTACTC.1_1	YUCARD	Mono 4
## ACTTGTTGTTCATGA.1_1	YUCARD	Mono 4
## ACTTGTTTCAAACGGG.1_1	YUCARD	CD4T 4
## ACTTGTTTTCAGCGATT.1_1	YUCARD	CD4T 4
## ACTTGTTTTCGTTACAG.1_1	YUCARD	CD8T 1
## ACTTGTTTCTGTCTAT.1_1	YUCARD	Mono 8
## ACTTTCAAGAAGGCCT.1_1	YUCARD	Mono 5
## ACTTTCAAGCCAGGAT.1_1	YUCARD	TNKT 1
## ACTTTCAAGCTAAGAT.1_1	YUCARD	DC 1
## ACTTTCAAGGGATGGG.1_1	YUCARD	CD4T 6
## ACTTTCAAGGGTTTCT.1_1	YUCARD	CD4T 1
## ACTTTCAAGGTTACCT.1_1	YUCARD	CD4T 1
## ACTTTCACAAGGTTCT.1_1	YUCARD	TNKT 1
## ACTTTCACAGTCAGCC.1_1	YUCARD	Mono 8
## ACTTTCACATCCTTGC.1_1	YUCARD	CD8T 3
## ACTTTCACATCTACGA.1_1	YUCARD	CD4T 5
## ACTTTCAGTAAGGGAA.1_1	YUCARD	TNKT 1
## ACTTTCAGTATTCGTG.1_1	YUCARD	CD4T 7
## ACTTTCAGTCCAAGTT.1_1	YUCARD	Mono 8
## ACTTTCAGTCTCCCTA.1_1	YUCARD	Mono 3
## ACTTTCAGTGCTGTAT.1_1	YUCARD	Mono 4
## ACTTTCATCACAAACC.1_1	YUCARD	TNKT 1
## ACTTTCATCAGGCGAA.1_1	YUCARD	CD4T 4
## ACTTTCATCGCCCTTA.1_1	YUCARD	NK 2
## ACTTTCATCTGCCAGG.1_1	YUCARD	CD4T 3
## ACTTTCATCTTTACGT.1_1	YUCARD	CD4T 1
## AGAATAGAGAGCAATT.1_1	YUCARD	Mono 2
## AGAATAGAGCTGGAAC.1_1	YUCARD	CD4T 2
## AGAATAGAGGTACTCT.1_1	YUCARD	NK 2
## AGAATAGAGTACGCGA.1_1	YUCARD	CD8T 3
## AGAATAGCACCACCG.1_1	YUCARD	TNKT 2
## AGAATAGCACTATCTT.1_1	YUCARD	CD4T 4
## AGAATAGGTGCACGAA.1_1	YUCARD	NK 2

## AGAATAGGTGCGGTAA.1_1	YUCARD	CD4T 1
## AGAATAGGTTGAGGTG.1_1	YUCARD	Mono 7
## AGAATAGTCCCTGACT.1_1	YUCARD	CD4T 1
## AGACGTTAGCAGCCTC.1_1	YUCARD	Mono 5
## AGACGTTCAGGGTTAG.1_1	YUCARD	CD4T 1
## AGACGTTGTACATCCA.1_1	YUCARD	B 2
## AGACGTTGTCCGCTGA.1_1	YUCARD	Mono 7
## AGACGTTGTTAAGATG.1_1	YUCARD	Mono 8
## AGACGTTTCAACCATG.1_1	YUCARD	B 1
## AGACGTTTCGCCAGCA.1_1	YUCARD	CD8T 2
## AGAGCGACAATACGCT.1_1	YUCARD	CD4T 1
## AGAGCGACAGCATGAG.1_1	YUCARD	CD4T 6
## AGAGCGACATCTGGTA.1_1	YUCARD	Mono 4
## AGAGCTTAGGAGTTGC.1_1	YUCARD	CD4T 1
## AGAGCTTAGGATGGAA.1_1	YUCARD	CD4T 6
## AGAGCTTCACCTTGTC.1_1	YUCARD	CD4T 4
## AGAGCTTCACTGTTAG.1_1	YUCARD	CD8T 2
## AGAGCTTCACTTAACG.1_1	YUCARD	TNKT 1
## AGAGCTTCAGCAGTTT.1_1	YUCARD	Mono 4
## AGAGCTTCAGGTCGTC.1_1	YUCARD	Mono 2
## AGAGCTTCATCTATGG.1_1	YUCARD	Mono 8
## AGAGCTTGTATTACCG.1_1	YUCARD	TNKT 2
## AGAGCTTGTACGCGC.1_1	YUCARD	CD4T 3
## AGAGTGGCAGCTCCGA.1_1	YUCARD	CD4T 1
## AGAGTGGCAGCTCGAC.1_1	YUCARD	CD4T 1
## AGAGTGGGTATATGGA.1_1	YUCARD	Mono 1
## AGAGTGGGTATTCTCT.1_1	YUCARD	CD4T 2
## AGAGTGGGTCTGGAGA.1_1	YUCARD	Mono 4
## AGATCTGAGTACACCT.1_1	YUCARD	Mono 2
## AGATCTGCACAGTCGC.1_1	YUCARD	Mono 5
## AGATCTGCACTGTTAG.1_1	YUCARD	Mono 3
## AGATCTGTCTAGAAC.1_1	YUCARD	TNKT 1
## AGATCTGTCTCCCTGA.1_1	YUCARD	Mono 4
## AGATTGCAGAGCCCAA.1_1	YUCARD	NK 2
## AGATTGCAGCTGTCTA.1_1	YUCARD	CD4T 1
## AGATTGCAGTGAACGC.1_1	YUCARD	CD4T 3
## AGATTGCAGTGCATG.1_1	YUCARD	Mono 5
## AGATTGCCAATGGACG.1_1	YUCARD	CD4T 3
## AGATTGCCACCGAAAG.1_1	YUCARD	B 2
## AGATTGCTCAAACAAG.1_1	YUCARD	Mono 7
## AGATTGCTCAGTTTGG.1_1	YUCARD	Mono 9
## AGATTGCTCCTTTCTC.1_1	YUCARD	CD4T 1
## AGATTGCTCGCAAGCC.1_1	YUCARD	Mono 4
## AGATTGCTCGTTTATC.1_1	YUCARD	NK 3
## AGATTGCTCTCCAGGG.1_1	YUCARD	CD4T 4
## AGCAGCCAGACGCACA.1_1	YUCARD	CD4T 2
## AGCAGCCAGGGTGTTG.1_1	YUCARD	TNKT 1
## AGCAGCCCAATTCCTT.1_1	YUCARD	Mono 2
## AGCAGCCCACTACAGT.1_1	YUCARD	CD4T 6
## AGCAGCCCAACAAGC.1_1	YUCARD	CD4T 2
## AGCAGCCCAAGCTCCA.1_1	YUCARD	CD8T 3
## AGCAGCCCATTTCAGG.1_1	YUCARD	CD4T 2
## AGCAGCCGTAAACACA.1_1	YUCARD	B 2
## AGCAGCCGTACCCAAT.1_1	YUCARD	CD4T 3

## AGCAGCCGTCCTGCTT.1_1	YUCARD	CD4T 2
## AGCAGCCTCAGCTGGC.1_1	YUCARD	CD4T 3
## AGCAGCCTCTGGTGTA.1_1	YUCARD	CD4T 4
## AGCATACAGAAGGCCT.1_1	YUCARD	CD4T 6
## AGCATACCATCCAACA.1_1	YUCARD	TNKT 2
## AGCATACGTGATGTCT.1_1	YUCARD	Mono 7
## AGCATACGTTCTCCA.1_1	YUCARD	CD4T 2
## AGCATACTCAGCTTAG.1_1	YUCARD	Mono 4
## AGCATACTCGTTTATC.1_1	YUCARD	CD4T 1
## AGCATACTCTCGATGA.1_1	YUCARD	TNKT 1
## AGCCTAAAGGGTCGAT.1_1	YUCARD	B 2
## AGCCTAAAGTGAGTC.1_1	YUCARD	Mono 4
## AGCCTAACAGTTTACG.1_1	YUCARD	CD8T 1
## AGCCTAACATAGTAAG.1_1	YUCARD	Mono 8
## AGCCTAATCCACGACG.1_1	YUCARD	Mono 4
## AGCCTAATCGGCTTGG.1_1	YUCARD	CD4T 1
## AGCCTAATCGTGACAT.1_1	YUCARD	CD4T 6
## AGCGGTCAGCGTTCCG.1_1	YUCARD	CD4T 5
## AGCGGTCCCACTGCG.1_1	YUCARD	NK 3
## AGCGGTCCAGATGAGC.1_1	YUCARD	Mono 7
## AGCGGTCCAGCCTTGG.1_1	YUCARD	CD4T 6
## AGCGGTCCAGCTGTTA.1_1	YUCARD	B 2
## AGCGGTCCAGTATCTG.1_1	YUCARD	CD4T 7
## AGCGGTCCATCCTTGC.1_1	YUCARD	CD4T 1
## AGCGGTCCATGGTCAT.1_1	YUCARD	Mono 1
## AGCGGTCTGACAGTGG.1_1	YUCARD	CD4T 6
## AGCGGTCTGTTAAGATG.1_1	YUCARD	Mono 3
## AGCGGTCTCAAGGCTT.1_1	YUCARD	NK 2
## AGCGTATAGCATGGCA.1_1	YUCARD	CD4T 4
## AGCGTATAGCCACCTG.1_1	YUCARD	CD4T 2
## AGCGTATCAGTGGGAT.1_1	YUCARD	CD4T 2
## AGCGTATGTCTCCCTA.1_1	YUCARD	CD4T 1
## AGCGTATGTCTGATTG.1_1	YUCARD	Mono 4
## AGCGTATTCAACGAAA.1_1	YUCARD	CD4T 3
## AGCGTATTCCTCCTAG.1_1	YUCARD	B 1
## AGCGTATTCTAACTGG.1_1	YUCARD	NK 3
## AGCGTATTCTGATACG.1_1	YUCARD	NK 1
## AGCGTCGCAAAGGCGT.1_1	YUCARD	Mono 1
## AGCGTCGCACAACGTT.1_1	YUCARD	DC 1
## AGCGTCGCACTCGACG.1_1	YUCARD	Mono 3
## AGTCCTAGTACATGA.1_1	YUCARD	Mono 7
## AGTCCTCAATACGCT.1_1	YUCARD	Mono 5
## AGTCCTCACTCGACG.1_1	YUCARD	NK 1
## AGTCCTGTACAGTGG.1_1	YUCARD	CD4T 2
## AGTCCTGTCAATGTC.1_1	YUCARD	CD8T 3
## AGTCCTTCGTGGTCG.1_1	YUCARD	Mono 4
## AGTCTCCAAGGTGTG.1_1	YUCARD	CD8T 1
## AGTCTCCACATTAGC.1_1	YUCARD	B 2
## AGTCTCCAGGTCCAC.1_1	YUCARD	TNKT 2
## AGTCTCCATACGCCG.1_1	YUCARD	CD4T 2
## AGTCTCCATACGCTA.1_1	YUCARD	CD4T 1
## AGTCTCTGTCGTGGCT.1_1	YUCARD	CD4T 4
## AGTCTCTGTCCTTCGTC.1_1	YUCARD	Mono 7
## AGTCTCTCCACGACG.1_1	YUCARD	Mono 4

## AGCTCTCTCCAGAAGG.1_1	YUCARD	Mono 4
## AGCTTGAAGGTAGCTG.1_1	YUCARD	CD4T 1
## AGCTTGAAGGTTACCT.1_1	YUCARD	CD4T 7
## AGCTTGACACGAAATA.1_1	YUCARD	Mono 3
## AGCTTGACATGTTCCC.1_1	YUCARD	CD4T 1
## AGCTTGACATTCGACA.1_1	YUCARD	TNKT 1
## AGCTTGAGTAACGACG.1_1	YUCARD	CD4T 7
## AGCTTGAGTAGCGATG.1_1	YUCARD	NK 3
## AGCTTGATCTGTTTGT.1_1	YUCARD	CD8T 1
## AGGCCACAGCAGATCG.1_1	YUCARD	Mono 5
## AGGCCACAGCCAGTAG.1_1	YUCARD	CD4T 6
## AGGCCACAGCCAGTTT.1_1	YUCARD	CD4T 5
## AGGCCACCAACTGGCC.1_1	YUCARD	TNKT 2
## AGGCCACCATGTTGAC.1_1	YUCARD	CD4T 7
## AGGCCACCATTAGGCT.1_1	YUCARD	CD4T 1
## AGGCCACGTAGCTTGT.1_1	YUCARD	CD4T 4
## AGGCCACGTGCGATCG.1_1	YUCARD	NK 1
## AGGCCACGTGAGGGAG.1_1	YUCARD	Mono 1
## AGGCCACGTTGAGTTC.1_1	YUCARD	Mono 9
## AGGCCACTCGGCGCTA.1_1	YUCARD	Mono 8
## AGGCCGTAGAGAACAG.1_1	YUCARD	NK 1
## AGGCCGTAGATGCCAG.1_1	YUCARD	CD4T 3
## AGGCCGTCAAACCTGTC.1_1	YUCARD	CD8T 1
## AGGCCGTCAAGCCATT.1_1	YUCARD	NK 2
## AGGCCGTCACTTAACG.1_1	YUCARD	NK 3
## AGGCCGTCACTTCTTAC.1_1	YUCARD	Mono 4
## AGGCCGTGTCATCCCT.1_1	YUCARD	CD4T 1
## AGGCCGTGTCGAGTTT.1_1	YUCARD	B 3
## AGGCCGTGTGTGGTTT.1_1	YUCARD	CD4T 1
## AGGCCGTGTTACGCGC.1_1	YUCARD	Mono 9
## AGGCCGTTCTGAAAGA.1_1	YUCARD	TNKT 1
## AGGGAGTAGATCTGCT.1_1	YUCARD	Mono 4
## AGGGAGTAGGATGGTC.1_1	YUCARD	TNKT 1
## AGGGAGTAGGTGCAAC.1_1	YUCARD	Mono 7
## AGGGAGTCAATAAGCA.1_1	YUCARD	NK 4
## AGGGAGTCATCGGAAG.1_1	YUCARD	CD4T 6
## AGGGAGTCATCGGTTA.1_1	YUCARD	CD4T 4
## AGGGAGTGTCACCTAA.1_1	YUCARD	Mono 5
## AGGGATGAGGCCCTCA.1_1	YUCARD	CD4T 2
## AGGGATGGTAGAAAGG.1_1	YUCARD	Mono 4
## AGGGATGGTCGCATCG.1_1	YUCARD	CD4T 3
## AGGGATGTCCAAGTAC.1_1	YUCARD	CD4T 1
## AGGGTGAAGCCACCTG.1_1	YUCARD	CD4T 2
## AGGGTGAAGGGTGTGT.1_1	YUCARD	CD4T 1
## AGGGTGAAGTGACATA.1_1	YUCARD	CD4T 1
## AGGGTGACACGAAAGC.1_1	YUCARD	CD4T 1
## AGGGTGAGTAGGCATG.1_1	YUCARD	NK 3
## AGGGTGATCCTCAATT.1_1	YUCARD	DC 1
## AGGTCATAGTGGGTTG.1_1	YUCARD	CD4T 2
## AGGTCATCAGCTCGCA.1_1	YUCARD	CD4T 3
## AGGTCATGTACCTACA.1_1	YUCARD	CD4T 1
## AGGTCCGAGCACGCCT.1_1	YUCARD	Mono 5
## AGGTCCGCAAGGTTTC.1_1	YUCARD	Mono 4
## AGGTCCGCAATGGAGC.1_1	YUCARD	Mono 3

## AGGTCCGCAGACAAGC.1_1	YUCARD	Mono 7
## AGGTCCGCAGTAGAGC.1_1	YUCARD	Mono 7
## AGGTCCGCATCCTAGA.1_1	YUCARD	CD4T 1
## AGGTCCGCATGACATC.1_1	YUCARD	CD4T 1
## AGGTCCGGTCTTGATG.1_1	YUCARD	TNKT 1
## AGGTCCGTCTGGCGTG.1_1	YUCARD	Mono 1
## AGTAGTCAGCGCTTAT.1_1	YUCARD	Mono 1
## AGTAGTCAGTGGAGTC.1_1	YUCARD	Mono 8
## AGTAGTCCAAGCCGCT.1_1	YUCARD	CD4T 5
## AGTAGTCCATCCGTGG.1_1	YUCARD	CD4T 3
## AGTAGTCGTTAAGATG.1_1	YUCARD	CD4T 2
## AGTAGTCTCAACCAAC.1_1	YUCARD	CD4T 1
## AGTAGTCTCAACGGCC.1_1	YUCARD	NK 2
## AGTAGTCTCAGCACAT.1_1	YUCARD	TNKT 1
## AGTAGTCTCATCTGCC.1_1	YUCARD	CD4T 1
## AGTAGTCTCGGCCGAT.1_1	YUCARD	CD4T 2
## AGTCTTTAGCGATATA.1_1	YUCARD	CD4T 4
## AGTCTTTAGCTGGAAC.1_1	YUCARD	Mono 4
## AGTCTTTCAATCCGAT.1_1	YUCARD	Mono 9
## AGTCTTTCATCACGTA.1_1	YUCARD	CD4T 4
## AGTCTTTCATGTCTCC.1_1	YUCARD	CD8T 1
## AGTCTTTTCATCTGTT.1_1	YUCARD	NK 1
## AGTCTTTTCCAGATCA.1_1	YUCARD	CD4T 1
## AGTGAGGAGGCTACGA.1_1	YUCARD	CD8T 3
## AGTGAGGCAGCCTTTC.1_1	YUCARD	Mono 8
## AGTGAGGGTCATGCCG.1_1	YUCARD	CD4T 7
## AGTGAGGGTCCCTACT.1_1	YUCARD	B 1
## AGTGAGGGTCCGTCT.1_1	YUCARD	B 2
## AGTGAGGTCATGCAAC.1_1	YUCARD	TNKT 2
## AGTGAGGTCTTCATGT.1_1	YUCARD	CD4T 2
## AGTGGAAGGTAAACT.1_1	YUCARD	CD8T 2
## AGTGGAAGTAATCCC.1_1	YUCARD	Mono 8
## AGTGGGACAAGCGTAG.1_1	YUCARD	CD4T 2
## AGTGGGAGTGGCTCCA.1_1	YUCARD	B 1
## AGTGGGAGTTACGCGC.1_1	YUCARD	NK 3
## AGTGGGATCAGTGCAT.1_1	YUCARD	CD4T 2
## AGTGGGATCCCTCAGT.1_1	YUCARD	Mono 4
## AGTGTCAAGCCAGAAC.1_1	YUCARD	NK 1
## AGTGTCAAGCTCAACT.1_1	YUCARD	Mono 8
## AGTGTCAAGGTAAACT.1_1	YUCARD	Mono 2
## AGTGTCAAGTACTTGC.1_1	YUCARD	CD4T 3
## AGTGTCAACAACACCCG.1_1	YUCARD	CD4T 1
## AGTGTCAACAGCCCA.1_1	YUCARD	Mono 8
## AGTGTCAACGTTGGC.1_1	YUCARD	CD4T 1
## AGTGTCACACTTGAT.1_1	YUCARD	CD4T 2
## AGTGTCAAGGTTTCA.1_1	YUCARD	CD4T 6
## AGTGTCAAGTACTTGAC.1_1	YUCARD	Mono 1
## AGTGTCAAGTGCTTCTC.1_1	YUCARD	CD4T 1
## AGTGTCAAGTTAGGGTG.1_1	YUCARD	B 2
## AGTGTCAAGTTGGCGC.1_1	YUCARD	NK 2
## AGTGTCAATCCATGAAC.1_1	YUCARD	Mono 5
## AGTGTCAATCCGCATCT.1_1	YUCARD	Mono 9
## AGTGTCAATCTCAACTT.1_1	YUCARD	CD8T 3
## AGTTGGTAGATCACGG.1_1	YUCARD	Mono 8

## AGTTGGTAGCGTAATA.1_1	YUCARD	Mono 8
## AGTTGGTAGGCTCATT.1_1	YUCARD	CD4T 2
## AGTTGGTAGTGGAGAA.1_1	YUCARD	CD4T 6
## AGTTGGTGTAAATTGGA.1_1	YUCARD	CD4T 1
## AGTTGGTGTGAAAGAG.1_1	YUCARD	Mono 5
## AGTTGGTGTGTCCTCT.1_1	YUCARD	CD4T 1
## AGTTGGTTCCGGGTGT.1_1	YUCARD	NK 2
## AGTTGGTTCCTCGCAT.1_1	YUCARD	CD4T 6
## AGTTGGTTCCTGAAAGA.1_1	YUCARD	TNKT 1
## AGTTGGTTCCTGGAGCC.1_1	YUCARD	CD4T 6
## AGTTGGTTCCTTTACGT.1_1	YUCARD	B 2
## ATAACGCAGATGCCAG.1_1	YUCARD	Mono 5
## ATAACGCAGGAATCGC.1_1	YUCARD	CD8T 2
## ATAACGCAGGACAGAA.1_1	YUCARD	CD4T 3
## ATAACGCAGTCGTTTG.1_1	YUCARD	CD4T 7
## ATAACGCCATCGATGT.1_1	YUCARD	CD4T 2
## ATAACGCGTATCTGCA.1_1	YUCARD	Mono 1
## ATAACGCGTCCTGCTT.1_1	YUCARD	Mono 4
## ATAACGCTCCTATGTT.1_1	YUCARD	B 2
## ATAACGCTCTACTTAC.1_1	YUCARD	B 2
## ATAACGCTCTCCCTGA.1_1	YUCARD	CD4T 4
## ATAAGAGAGACCACGA.1_1	YUCARD	Mono 8
## ATAAGAGAGCGATCCC.1_1	YUCARD	DC 1
## ATAAGAGCAGCCAGAA.1_1	YUCARD	CD8T 3
## ATAAGAGCAGTTTACG.1_1	YUCARD	Mono 4
## ATAAGAGGTCCGAACC.1_1	YUCARD	NK 1
## ATAAGAGTCACCTCGT.1_1	YUCARD	CD8T 2
## ATAAGAGTCTATGTGG.1_1	YUCARD	Mono 7
## ATAGACCAGACATAAC.1_1	YUCARD	CD4T 4
## ATAGACCAGAGACTAT.1_1	YUCARD	Mono 8
## ATAGACCAGTCCTCCT.1_1	YUCARD	Mono 4
## ATAGACCAGTGCCAGA.1_1	YUCARD	Mono 4
## ATAGACCAGTTCGCAT.1_1	YUCARD	CD4T 2
## ATAGACCAGTTTCCTT.1_1	YUCARD	CD8T 3
## ATAGACCCAAGCCATT.1_1	YUCARD	CD4T 1
## ATAGACCCATGATCCA.1_1	YUCARD	CD4T 1
## ATAGACCGTACCGTTA.1_1	YUCARD	Mono 5
## ATAGACCGTCGCTTTC.1_1	YUCARD	CD4T 2
## ATAGACCGTGGCTCCA.1_1	YUCARD	CD4T 2
## ATAGACCGTGTGGTTT.1_1	YUCARD	Mono 8
## ATAGACCTCGCCCTTA.1_1	YUCARD	CD8T 1
## ATAGACCTCGTTACAG.1_1	YUCARD	CD8T 3
## ATCACGAAGACAAGCC.1_1	YUCARD	Mono 5
## ATCACGAAGATGGCGT.1_1	YUCARD	CD4T 4
## ATCACGAAGTAAGTAC.1_1	YUCARD	CD8T 1
## ATCACGAAGTATGACA.1_1	YUCARD	Mono 3
## ATCACGAAGTTAGGTA.1_1	YUCARD	B 2
## ATCACGACAAACCCAT.1_1	YUCARD	CD8T 1
## ATCACGACAAACTGTC.1_1	YUCARD	CD4T 1
## ATCACGACAAGGTGTG.1_1	YUCARD	CD4T 7
## ATCACGACAAGTTGTC.1_1	YUCARD	Mono 4
## ATCACGACACATAACC.1_1	YUCARD	CD8T 1
## ATCACGACACGGTTTA.1_1	YUCARD	Mono 4
## ATCACGAGTCAGCTAT.1_1	YUCARD	CD4T 3

## ATCACGAGTGCAGTAG.1_1	YUCARD	CD4T 3
## ATCACGATCACCTCA.1_1	YUCARD	CD4T 4
## ATCACGATCAGAAATG.1_1	YUCARD	CD4T 1
## ATCACGATCGTATCAG.1_1	YUCARD	CD4T 7
## ATCATCTAGTGTCAT.1_1	YUCARD	Mono 2
## ATCATCTAGTTATCGC.1_1	YUCARD	Mono 5
## ATCATCTCACGGTAGA.1_1	YUCARD	CD4T 7
## ATCATCTGTACCGAGA.1_1	YUCARD	CD8T 1
## ATCATCTGTATAGGGC.1_1	YUCARD	Mono 5
## ATCATCTGTGGCTCCA.1_1	YUCARD	CD4T 2
## ATCATCTGTTGTTTC.1_1	YUCARD	CD4T 2
## ATCATGGAGGCCCTTG.1_1	YUCARD	NK 2
## ATCATGGAGTTAACGA.1_1	YUCARD	B 2
## ATCATGGCACCAACCG.1_1	YUCARD	Mono 7
## ATCATGGGTCAGTGGG.1_1	YUCARD	CD4T 2
## ATCATGGGTCGAACAG.1_1	YUCARD	CD4T 2
## ATCATGGTCAGGTTCA.1_1	YUCARD	Mono 5
## ATCATGGTCCAAAGTC.1_1	YUCARD	NK 4
## ATCATGGTCTCTTATG.1_1	YUCARD	Mono 5
## ATCCACCAGAACTGTA.1_1	YUCARD	Mono 8
## ATCCACCAGCCGAAA.1_1	YUCARD	CD4T 7
## ATCCACCAGGCCCTCA.1_1	YUCARD	CD8T 1
## ATCCACCAGTTACGGG.1_1	YUCARD	CD4T 4
## ATCCACCCACAGAGGT.1_1	YUCARD	CD4T 1
## ATCCACCCACTTCTGC.1_1	YUCARD	CD4T 4
## ATCCACCCAGGCAGTA.1_1	YUCARD	NK 2
## ATCCACCCATCGGTTA.1_1	YUCARD	CD4T 1
## ATCCACCGTTAAGACA.1_1	YUCARD	CD4T 1
## ATCCACCGTTCCAACA.1_1	YUCARD	Mono 4
## ATCCACCGTTTGACAC.1_1	YUCARD	Mono 5
## ATCCGAAAGCGTTCCG.1_1	YUCARD	B 2
## ATCCGAAAGCTGAACG.1_1	YUCARD	NK 1
## ATCCGAAAGGGAAACA.1_1	YUCARD	Mono 8
## ATCCGAAGTCAACATC.1_1	YUCARD	TNKT 1
## ATCCGAAGTCCAGTTA.1_1	YUCARD	Mono 5
## ATCCGAAGTGTAATGA.1_1	YUCARD	CD4T 7
## ATCCGAATCCCAAGTA.1_1	YUCARD	Mono 8
## ATCCGAATCCGAATGT.1_1	YUCARD	CD4T 2
## ATCCGAATCCGTACAA.1_1	YUCARD	NK 1
## ATCCGAATCCTTGCCA.1_1	YUCARD	NK 3
## ATCGAGTAGAGACTAT.1_1	YUCARD	CD4T 4
## ATCGAGTAGATAGTCA.1_1	YUCARD	CD4T 5
## ATCGAGTAGCGTTCCG.1_1	YUCARD	CD4T 7
## ATCGAGTAGGGATACC.1_1	YUCARD	CD4T 2
## ATCGAGTCACTGAAGG.1_1	YUCARD	CD4T 1
## ATCGAGTCATTTCACT.1_1	YUCARD	Mono 4
## ATCGAGTGTTGGAATC.1_1	YUCARD	B 2
## ATCGAGTTCAGGCAAG.1_1	YUCARD	CD4T 6
## ATCTACTAGATGCCTT.1_1	YUCARD	CD4T 1
## ATCTACTAGGAGTCTG.1_1	YUCARD	CD4T 1
## ATCTACTAGGCAATTA.1_1	YUCARD	B 1
## ATCTACTCAATACGCT.1_1	YUCARD	Mono 4
## ATCTACTCACAACGTT.1_1	YUCARD	CD4T 5
## ATCTACTCACATCCGG.1_1	YUCARD	Mono 4

## ATCTACTTCACTATTC.1_1	YUCARD	CD4T 2
## ATCTGCCAGGTAAACT.1_1	YUCARD	Mono 1
## ATCTGCCGTCCATCCT.1_1	YUCARD	NK 2
## ATCTGCCGTTTCATGGT.1_1	YUCARD	CD4T 7
## ATCTGCCTCGTGGGAA.1_1	YUCARD	Mono 4
## ATCTGCCTCTGAGTGT.1_1	YUCARD	CD4T 2
## ATCTGCCTCTTCCTTC.1_1	YUCARD	Mono 4
## ATGAGGGAGACCCACC.1_1	YUCARD	CD4T 6
## ATGAGGGCATGCGCAC.1_1	YUCARD	Mono 1
## ATGAGGGGTAATCGTC.1_1	YUCARD	NK 1
## ATGAGGGGTCTAACGT.1_1	YUCARD	B 2
## ATGAGGGGTGGCCCTA.1_1	YUCARD	Mono 2
## ATGAGGGTCATGTGGT.1_1	YUCARD	CD4T 5
## ATGCGATAGAGCCTAG.1_1	YUCARD	CD4T 1
## ATGCGATAGAGTCGGT.1_1	YUCARD	DC 1
## ATGCGATAGAGTTGGC.1_1	YUCARD	TNKT 1
## ATGCGATAGATGCCAG.1_1	YUCARD	Mono 5
## ATGCGATAGCCACGTC.1_1	YUCARD	TNKT 2
## ATGCGATAGGGTTTCT.1_1	YUCARD	CD4T 1
## ATGCGATAGGTTACCT.1_1	YUCARD	B 2
## ATGCGATCACAACGTT.1_1	YUCARD	CD4T 2
## ATGCGATTCCAACTG.1_1	YUCARD	NK 2
## ATGGGAGAGACAATAC.1_1	YUCARD	CD4T 1
## ATGGGAGAGCTCCCAG.1_1	YUCARD	CD4T 5
## ATGGGAGCAGCCACCA.1_1	YUCARD	B 2
## ATGGGAGCAGGGTATG.1_1	YUCARD	Mono 9
## ATGGGAGGTCATCGGC.1_1	YUCARD	CD4T 5
## ATGGGAGGTTAAGATG.1_1	YUCARD	CD4T 2
## ATGGGAGGTTGACGTT.1_1	YUCARD	CD8T 3
## ATGTGTGAGATATGCA.1_1	YUCARD	Mono 5
## ATGTGTGAGGAACTGC.1_1	YUCARD	Mono 8
## ATGTGTGCAAAGGCGT.1_1	YUCARD	CD4T 7
## ATGTGTGCACAACTGT.1_1	YUCARD	CD4T 1
## ATGTGTGCACTCAGGC.1_1	YUCARD	TNKT 2
## ATGTGTGGTCATCGGC.1_1	YUCARD	CD4T 2
## ATGTGTGGTGGCCCTA.1_1	YUCARD	CD4T 2
## ATGTGTGGTGTGAATA.1_1	YUCARD	CD4T 4
## ATGTGTGGTTACCAGT.1_1	YUCARD	Mono 5
## ATGTGTGTCCAAAGTC.1_1	YUCARD	Mono 8
## ATGTGTGTCTCGAGTA.1_1	YUCARD	Mono 1
## ATTA CT CAGTTAGGTA.1_1	YUCARD	CD4T 3
## ATTA CT CCACTTAAGC.1_1	YUCARD	B 2
## ATTA CT CCAGCTGCTG.1_1	YUCARD	Mono 5
## ATTA CT CGTAGGCTGA.1_1	YUCARD	TNKT 1
## ATTA CT CGTGACCAAG.1_1	YUCARD	Mono 4
## ATTA CT CGTGTGTGCC.1_1	YUCARD	CD4T 4
## ATTA CT CGTTACGGAG.1_1	YUCARD	CD4T 1
## ATTA CT CTCATGTCCC.1_1	YUCARD	Mono 1
## ATTA CT CTCAAAC TG.1_1	YUCARD	Mono 5
## ATTA CT CTCTGAGGGA.1_1	YUCARD	CD4T 4
## ATTATCCAGAATGTTG.1_1	YUCARD	Mono 7
## ATTATCCAGAGCTTCT.1_1	YUCARD	NK 3
## ATTATCCAGATCCGAG.1_1	YUCARD	CD4T 6
## ATTATCCAGCCCAGCT.1_1	YUCARD	B 2

## ATTATCCAGGAGTTGC.1_1	YUCARD	CD4T 1
## ATTATCCCACAGCCCA.1_1	YUCARD	CD8T 3
## ATTATCCGTGGAACAG.1_1	YUCARD	CD4T 5
## ATTATCCGTCTCCATC.1_1	YUCARD	CD4T 3
## ATTATCCTCTAGAGTC.1_1	YUCARD	Mono 9
## ATTCTACAGAACTGTA.1_1	YUCARD	CD4T 5
## ATTCTACAGATCCCGC.1_1	YUCARD	CD4T 1
## ATTCTACAGGCATGTG.1_1	YUCARD	CD4T 3
## ATTCTACAGGGTATCG.1_1	YUCARD	CD4T 2
## ATTCTACAGTGACATA.1_1	YUCARD	CD4T 2
## ATTCTACCAACTGGCC.1_1	YUCARD	CD4T 1
## ATTCTACCACCGATAT.1_1	YUCARD	B 2
## ATTCTACCAGCCAGAA.1_1	YUCARD	CD4T 5
## ATTCTACCATCCCATC.1_1	YUCARD	TNKT 2
## ATTCTACCATGCATGT.1_1	YUCARD	NK 4
## ATTCTACGTAGCACGA.1_1	YUCARD	Mono 8
## ATTCTACGTATGCTTG.1_1	YUCARD	CD8T 2
## ATTCTACGTCGCCATG.1_1	YUCARD	CD4T 3
## ATTCTACGTTGGTAAA.1_1	YUCARD	CD4T 2
## ATTCTACTCACGATGT.1_1	YUCARD	TNKT 2
## ATTCTACTCAGGTAAA.1_1	YUCARD	NK 3
## ATTGGACAGAAAGTGG.1_1	YUCARD	CD4T 2
## ATTGGACAGCAAATCA.1_1	YUCARD	CD4T 6
## ATTGGACAGCCACGTC.1_1	YUCARD	CD4T 1
## ATTGGACAGGCACATG.1_1	YUCARD	CD4T 4
## ATTGGACAGTGTCAT.1_1	YUCARD	CD4T 1
## ATTGGACCACAGCCCA.1_1	YUCARD	NK 2
## ATTGGACCACTCAGGC.1_1	YUCARD	Mono 7
## ATTGGACGTAAATGTG.1_1	YUCARD	CD4T 2
## ATTGGACGTAAGAGGA.1_1	YUCARD	NK 2
## ATTGGACGTATAAACG.1_1	YUCARD	CD8T 3
## ATTGGACGTGGTCTCG.1_1	YUCARD	CD4T 1
## ATTGGACTCAACGAAA.1_1	YUCARD	B 2
## ATTGGACTCTCCCTGA.1_1	YUCARD	Mono 8
## ATTGGACTCTTGGGTA.1_1	YUCARD	B 2
## ATTGGTGAGCCCAACC.1_1	YUCARD	B 2
## ATTGGTGCAATCCAAC.1_1	YUCARD	CD8T 2
## ATTGGTGCACTCAGGC.1_1	YUCARD	CD4T 5
## ATTGGTGCAGTGACAG.1_1	YUCARD	B 2
## ATTGGTGCAATCACGTA.1_1	YUCARD	CD8T 3
## ATTGGTGCAATCTCAT.1_1	YUCARD	NK 1
## ATTGGTGGTAGGAGTC.1_1	YUCARD	NK 3
## ATTGGTGGTATAGGTA.1_1	YUCARD	NK 3
## ATTGGTGTCTCAATT.1_1	YUCARD	Mono 4
## ATTGGTGTCTTCAAT.1_1	YUCARD	NK 1
## ATTTCTGAGTACGATA.1_1	YUCARD	CD4T 1
## ATTTCTGCACCATCCT.1_1	YUCARD	CD4T 4
## ATTTCTGCATGGTTGT.1_1	YUCARD	TNKT 2
## ATTTCTGCATTGTGCA.1_1	YUCARD	B 1
## ATTTCTGGTAAGAGAG.1_1	YUCARD	CD4T 1
## ATTTCTGGTATATGAG.1_1	YUCARD	NK 2
## ATTTCTGGTTATGCGT.1_1	YUCARD	CD4T 2
## ATTTCTGTGCGCGTGA.1_1	YUCARD	CD4T 7
## ATTTCTGTGGGTCTAA.1_1	YUCARD	TNKT 1

## ATTTCTGTCTGGCGAC.1_1	YUCARD	NK 3
## CAACCAAAGGAGCGAG.1_1	YUCARD	CD4T 5
## CAACCAAAGGATGCGT.1_1	YUCARD	CD4T 4
## CAACCAAAGGCTACGA.1_1	YUCARD	Mono 9
## CAACCAACAGATTGCT.1_1	YUCARD	CD4T 2
## CAACCAACATGCTAGT.1_1	YUCARD	Mono 5
## CAACCAAGTAGAGCTG.1_1	YUCARD	Mono 4
## CAACCAAGTATGCTTG.1_1	YUCARD	NK 1
## CAACCAAGTCTAAAGA.1_1	YUCARD	NK 3
## CAACCAATCACCTCA.1_1	YUCARD	Mono 7
## CAACCAATCGTACGGC.1_1	YUCARD	B 2
## CAACCAATCTCTAAGG.1_1	YUCARD	CD4T 6
## CAACCTCAGCTAGCCC.1_1	YUCARD	Mono 1
## CAACCTCAGCTGAAAT.1_1	YUCARD	Mono 1
## CAACCTCAGGAATGGA.1_1	YUCARD	Mono 4
## CAACCTCAGGTGATTA.1_1	YUCARD	CD8T 2
## CAACCTCCAAACTGTC.1_1	YUCARD	Mono 8
## CAACCTCCACGACTCG.1_1	YUCARD	Mono 9
## CAACCTCCAGACACTT.1_1	YUCARD	Mono 3
## CAACCTCGTGCTTCTC.1_1	YUCARD	Mono 8
## CAACCTCTCAGCTTAG.1_1	YUCARD	Mono 8
## CAACCTCTCATGCATG.1_1	YUCARD	B 3
## CAACCTCTCCTTGCCA.1_1	YUCARD	CD4T 2
## CAACCTCTCCTTTCGG.1_1	YUCARD	Mono 3
## CAACTAGAGAATAGGG.1_1	YUCARD	B 2
## CAACTAGAGGCCCTTG.1_1	YUCARD	TNKT 1
## CAACTAGCACCTCGTT.1_1	YUCARD	Mono 4
## CAACTAGGTCACTGGC.1_1	YUCARD	Mono 8
## CAACTAGTCATCATTC.1_1	YUCARD	CD4T 2
## CAACTAGTCTTGTTTG.1_1	YUCARD	Mono 4
## CAAGAAACAGTCAGCC.1_1	YUCARD	Mono 3
## CAAGAAAGTCAGGACA.1_1	YUCARD	Mono 5
## CAAGAAAGTGACAAAT.1_1	YUCARD	CD4T 1
## CAAGAAATCGTCGTTT.1_1	YUCARD	CD4T 4
## CAAGAAATCTTGCAAG.1_1	YUCARD	Mono 5
## CAAGATCAGACCCACC.1_1	YUCARD	NK 2
## CAAGATCAGACCTAGG.1_1	YUCARD	B 2
## CAAGATCAGAGGTTAT.1_1	YUCARD	CD4T 1
## CAAGATCAGGATCGCA.1_1	YUCARD	NK 3
## CAAGATCAGTACTTGC.1_1	YUCARD	CD4T 2
## CAAGATCAGTATGACA.1_1	YUCARD	NK 3
## CAAGATCAGTCCGTAT.1_1	YUCARD	CD4T 2
## CAAGATCAGTTATCGC.1_1	YUCARD	B 2
## CAAGATCCAACACCCG.1_1	YUCARD	Mono 9
## CAAGATCCAAGCGTAG.1_1	YUCARD	CD4T 1
## CAAGATCCAGGAATGC.1_1	YUCARD	Mono 5
## CAAGATCGTGAGGCTA.1_1	YUCARD	NK 1
## CAAGATCGTTACAGAA.1_1	YUCARD	CD4T 1
## CAAGATCTCAGCTTAG.1_1	YUCARD	Mono 4
## CAAGATCTCGTGACAT.1_1	YUCARD	CD8T 2
## CAAGGCCAGCGTAATA.1_1	YUCARD	CD4T 4
## CAAGGCCAGTACACT.1_1	YUCARD	Mono 8
## CAAGGCCGTAGCCTCG.1_1	YUCARD	Mono 8
## CAAGGCCGTCTCTTG.1_1	YUCARD	CD4T 6

## CAAGGCCTCACCCGAG.1_1	YUCARD	Mono 9
## CAAGGCCTCGTATCAG.1_1	YUCARD	NK 3
## CAAGGCCTCTTGCAAT.1_1	YUCARD	B 3
## CAAGTTGAGCAACGGT.1_1	YUCARD	TNKT 2
## CAAGTTGAGGCTCTTA.1_1	YUCARD	NK 2
## CAAGTTGAGGGAAACA.1_1	YUCARD	TNKT 1
## CAAGTTGAGTATCTCG.1_1	YUCARD	Mono 8
## CAAGTTGCATGACATC.1_1	YUCARD	CD4T 3
## CAAGTTGCATGCTGGC.1_1	YUCARD	Mono 9
## CAAGTTGGTAGGAGTC.1_1	YUCARD	CD4T 1
## CAAGTTGGTCCAGTGC.1_1	YUCARD	Mono 4
## CAAGTTGGTGATGCCC.1_1	YUCARD	Mono 5
## CAAGTTGGTGGTCTCG.1_1	YUCARD	Mono 1
## CACAAACAGAGTGAGA.1_1	YUCARD	CD4T 4
## CACAAACAGGCTAGGT.1_1	YUCARD	CD4T 5
## CACAAACAGTCAAGGC.1_1	YUCARD	CD4T 1
## CACAAACAGTCATCCA.1_1	YUCARD	CD4T 3
## CACAAACCAACTGGCC.1_1	YUCARD	Mono 1
## CACAAACCAATAGCAA.1_1	YUCARD	CD4T 4
## CACAAACCAGACAAAT.1_1	YUCARD	CD4T 1
## CACAAACGTGGTCCGT.1_1	YUCARD	CD4T 4
## CACAAACGTTCGGCAC.1_1	YUCARD	CD4T 1
## CACAAACGTTCGCAC.1_1	YUCARD	CD4T 3
## CACAAACTCTAACGGT.1_1	YUCARD	CD4T 1
## CACACAAAGATAGCAT.1_1	YUCARD	Mono 5
## CACACAAAGCTCTCGG.1_1	YUCARD	NK 1
## CACACAACACAGTCGC.1_1	YUCARD	B 3
## CACACAACAGGCAGTA.1_1	YUCARD	CD4T 6
## CACACAAGTGGTGTAG.1_1	YUCARD	Mono 8
## CACACAAGTTCGTCTC.1_1	YUCARD	CD4T 1
## CACACAATCCGGCACA.1_1	YUCARD	Mono 5
## CACACAATCCTGCCAT.1_1	YUCARD	CD4T 6
## CACACCTAGGTGTGGT.1_1	YUCARD	NK 2
## CACACCTAGTACGACG.1_1	YUCARD	CD4T 1
## CACACCTAGTTAACGA.1_1	YUCARD	CD8T 1
## CACACCTAGTTGAGAT.1_1	YUCARD	B 2
## CACACCTGTCAGGACA.1_1	YUCARD	B 2
## CACACCTGTTAAAGAC.1_1	YUCARD	CD4T 1
## CACACCTGTTTGACAC.1_1	YUCARD	B 2
## CACACCTTCAATAAGG.1_1	YUCARD	Mono 8
## CACACCTTCAGCTCTC.1_1	YUCARD	B 2
## CACACTCAGTATGACA.1_1	YUCARD	B 2
## CACACTCCACACATGT.1_1	YUCARD	CD4T 2
## CACACTCCACCAGGCT.1_1	YUCARD	TNKT 1
## CACACTCCACCTGGTG.1_1	YUCARD	Mono 1
## CACACTCCAGCGTTTCG.1_1	YUCARD	CD4T 7
## CACACTCGTAAACACA.1_1	YUCARD	B 2
## CACACTCGTACCATCA.1_1	YUCARD	CD4T 2
## CACACTCGTGAGGGTT.1_1	YUCARD	B 1
## CACACTCGTGTGAAAT.1_1	YUCARD	Mono 8
## CACACTCGTTGCGCAC.1_1	YUCARD	CD4T 1
## CACACTCTCACGCATA.1_1	YUCARD	B 1
## CACACTCTCCTGTACC.1_1	YUCARD	NK 3
## CACAGGCAGAGGGCTT.1_1	YUCARD	CD4T 1

## CACAGGCCACGTCTCT.1_1	YUCARD	CD4T 4
## CACAGGCCAGCCTATA.1_1	YUCARD	CD4T 2
## CACAGGCCATAGGATA.1_1	YUCARD	B 2
## CACAGGCCATCGGTTA.1_1	YUCARD	NK 1
## CACAGGCGTTGCGTTA.1_1	YUCARD	CD4T 4
## CACAGGCTCAGAGCTT.1_1	YUCARD	NK 4
## CACAGGCTCTAACGGT.1_1	YUCARD	CD4T 2
## CACAGGCTCTTAACCT.1_1	YUCARD	CD4T 1
## CACAGGCTCTTCAACT.1_1	YUCARD	NK 3
## CACAGTACACCCTATC.1_1	YUCARD	CD4T 2
## CACAGTACACGAGAGT.1_1	YUCARD	DC 1
## CACAGTAGTCACTTCC.1_1	YUCARD	CD4T 3
## CACAGTATCCGGCACA.1_1	YUCARD	NK 1
## CACATAGAGATTACCC.1_1	YUCARD	Mono 2
## CACATAGAGCGCTTAT.1_1	YUCARD	Mono 2
## CACATAGCAAGGTTTC.1_1	YUCARD	CD4T 7
## CACATAGCACTGTGTA.1_1	YUCARD	CD4T 1
## CACATAGGTCTAGGTT.1_1	YUCARD	NK 3
## CACATAGTCAGATAAG.1_1	YUCARD	CD4T 4
## CACATTTAGCACCGCT.1_1	YUCARD	Mono 4
## CACATTTAGGCATGTG.1_1	YUCARD	Mono 9
## CACATTTAGGTGACCA.1_1	YUCARD	Mono 7
## CACATTTCACCTTGTC.1_1	YUCARD	Mono 4
## CACATTTCACTTCTGC.1_1	YUCARD	Mono 4
## CACATTTCAGACGCTC.1_1	YUCARD	NK 1
## CACATTTCAGTATGCT.1_1	YUCARD	CD4T 4
## CACATTTCATGACGGA.1_1	YUCARD	CD4T 7
## CACATTTGTCCGTCAG.1_1	YUCARD	TNKT 1
## CACATTTGTGATGTCT.1_1	YUCARD	CD4T 4
## CACATTTTCAACGAAA.1_1	YUCARD	TNKT 1
## CACATTTTCTTCGAGA.1_1	YUCARD	NK 4
## CACCACTAGCCAGTAG.1_1	YUCARD	NK 3
## CACCACTAGGACCACA.1_1	YUCARD	Mono 1
## CACCACTAGTAGCGGT.1_1	YUCARD	CD4T 1
## CACCACTAGTCAATAG.1_1	YUCARD	CD4T 3
## CACCACTCATTCTCAT.1_1	YUCARD	Mono 9
## CACCACTGTAAGAGAG.1_1	YUCARD	NK 3
## CACCACTGTGACTACT.1_1	YUCARD	Mono 9
## CACCACTGTGCAGTAG.1_1	YUCARD	NK 2
## CACCACTTCGAATCCA.1_1	YUCARD	CD4T 4
## CACCACTTCGTACCGG.1_1	YUCARD	B 2
## CACCACTTCTCCCTGA.1_1	YUCARD	TNKT 1
## CACCAGGAGACCACGA.1_1	YUCARD	NK 3
## CACCAGGAGTTAACGA.1_1	YUCARD	B 2
## CACCAGGCAAGGACAC.1_1	YUCARD	NK 1
## CACCAGGCACCCATTC.1_1	YUCARD	CD4T 2
## CACCAGGCAGGATTGG.1_1	YUCARD	NK 3
## CACCAGGGTAAATGAC.1_1	YUCARD	TNKT 1
## CACCAGGGTTACGCGC.1_1	YUCARD	CD4T 2
## CACCAGGGTCCACTC.1_1	YUCARD	Mono 5
## CACCAGGTCATACGGT.1_1	YUCARD	Mono 8
## CACCAGGTCCCTGACT.1_1	YUCARD	NK 1
## CACCAGGTCCGGTGTG.1_1	YUCARD	CD8T 2
## CACCTTGAGATAGGAG.1_1	YUCARD	CD8T 3

## CACCTTGAGCCGGTAA.1_1	YUCARD	Mono 7
## CACCTTGAGTAGCCGA.1_1	YUCARD	TNKT 1
## CACCTTGCATACAGCT.1_1	YUCARD	NK 1
## CACCTTGCATCAGTAC.1_1	YUCARD	NK 3
## CACCTTGCATTAACCG.1_1	YUCARD	DC 1
## CACCTTGGTACGCTGC.1_1	YUCARD	CD4T 6
## CACCTTGGTATCACCA.1_1	YUCARD	CD4T 6
## CACCTTGTCCGTTGCT.1_1	YUCARD	CD4T 1
## CACCTTGTCTAACTTC.1_1	YUCARD	B 2
## CACTCCAAGGACACCA.1_1	YUCARD	Mono 4
## CACTCCAAGTATTGGA.1_1	YUCARD	NK 2
## CACTCCACAAGTTGTC.1_1	YUCARD	NK 2
## CACTCCACACAGTCGC.1_1	YUCARD	CD4T 4
## CACTCCACATACCATG.1_1	YUCARD	B 2
## CACTCCATCGCAGGCT.1_1	YUCARD	Mono 8
## CACTCCATCGCTAGCG.1_1	YUCARD	Mono 1
## CACTCCATCTGGCGTG.1_1	YUCARD	Mono 8
## CAGAATCAGATCTGCT.1_1	YUCARD	TNKT 2
## CAGAATCAGGGAACGG.1_1	YUCARD	CD4T 4
## CAGAATCCAAAGCGGT.1_1	YUCARD	Mono 4
## CAGAATCCAGATGGCA.1_1	YUCARD	NK 2
## CAGAATCCAGCGTTTCG.1_1	YUCARD	CD4T 1
## CAGAATCCAGCTCCGA.1_1	YUCARD	CD4T 4
## CAGAATCGTAGCGCTC.1_1	YUCARD	Mono 4
## CAGAATCGTTATTCTC.1_1	YUCARD	CD4T 1
## CAGAGAGAGAGAACAG.1_1	YUCARD	Mono 2
## CAGAGAGAGATAGCAT.1_1	YUCARD	CD4T 6
## CAGAGAGAGCATGGCA.1_1	YUCARD	NK 2
## CAGAGAGAGGTGGGTT.1_1	YUCARD	CD4T 7
## CAGAGAGGTCCAGTAT.1_1	YUCARD	Mono 3
## CAGAGAGGTCTAAAGA.1_1	YUCARD	Mono 2
## CAGAGAGTCAAACAAG.1_1	YUCARD	Mono 4
## CAGAGAGTCACAACGT.1_1	YUCARD	Mono 7
## CAGAGAGTCACCGTAA.1_1	YUCARD	CD4T 6
## CAGAGAGTCCACTCCA.1_1	YUCARD	CD4T 3
## CAGAGAGTCTCGATGA.1_1	YUCARD	B 2
## CAGATCACACATCCGG.1_1	YUCARD	CD4T 2
## CAGATCAGTAGAGCTG.1_1	YUCARD	CD8T 3
## CAGATCAGTCCAAGTT.1_1	YUCARD	Mono 1
## CAGATCAGTGCGATAG.1_1	YUCARD	Mono 4
## CAGATCAGTTACGCGC.1_1	YUCARD	CD4T 1
## CAGATCATCACGACTA.1_1	YUCARD	CD4T 1
## CAGATCATCGTAGGAG.1_1	YUCARD	Mono 8
## CAGCAGCAGATGTTAG.1_1	YUCARD	B 2
## CAGCAGCAGCCATCGC.1_1	YUCARD	CD4T 4
## CAGCAGCAGCCGAAA.1_1	YUCARD	Mono 1
## CAGCAGCAGCGTAATA.1_1	YUCARD	Mono 4
## CAGCAGCCAATGGATA.1_1	YUCARD	Mono 8
## CAGCAGCCACGCGAAA.1_1	YUCARD	CD8T 1
## CAGCAGCCATCAGTCA.1_1	YUCARD	Mono 2
## CAGCAGCGTAATAGCA.1_1	YUCARD	Mono 4
## CAGCAGCGTCCAAGTT.1_1	YUCARD	B 2
## CAGCAGCTCGGGAGTA.1_1	YUCARD	CD4T 6
## CAGCAGCTCTGAGGGA.1_1	YUCARD	Mono 7

## CAGCAGCTCTGGAGCC.1_1	YUCARD	TNKT 1
## CAGCATAAGATAGCAT.1_1	YUCARD	DC 1
## CAGCATAAGGGATACC.1_1	YUCARD	CD4T 7
## CAGCATAAGTTAAGTG.1_1	YUCARD	TNKT 2
## CAGCATACACGGTTTA.1_1	YUCARD	CD4T 2
## CAGCATACATCCCATC.1_1	YUCARD	CD4T 4
## CAGCATAGTTACCGAT.1_1	YUCARD	NK 3
## CAGCATATCAGGCCCA.1_1	YUCARD	B 2
## CAGCATATCGTAGGAG.1_1	YUCARD	CD4T 6
## CAGCCGAAGTAGATGT.1_1	YUCARD	CD4T 1
## CAGCCGACAGCCACCA.1_1	YUCARD	Mono 2
## CAGCCGACAGGGTACA.1_1	YUCARD	CD4T 6
## CAGCCGACATGATCCA.1_1	YUCARD	CD8T 3
## CAGCCGAGTGCGAAAC.1_1	YUCARD	Mono 4
## CAGCCGAGTGTTTGTG.1_1	YUCARD	Mono 1
## CAGCCGATCAATACCG.1_1	YUCARD	Mono 4
## CAGCCGATCAGCAACT.1_1	YUCARD	CD4T 1
## CAGCCGATCCACGAAT.1_1	YUCARD	CD4T 2
## CAGCCGATCGTCCAGG.1_1	YUCARD	Mono 8
## CAGCGACAGCAGCGTA.1_1	YUCARD	CD4T 1
## CAGCGACAGCCACGTC.1_1	YUCARD	Mono 7
## CAGCGACAGCGATATA.1_1	YUCARD	Mono 4
## CAGCGACAGTAGATGT.1_1	YUCARD	B 2
## CAGCGACCAAAGGAAG.1_1	YUCARD	Mono 8
## CAGCGACCAACAACCT.1_1	YUCARD	Mono 8
## CAGCGACGTCAGTGA.1_1	YUCARD	B 6
## CAGCGACGTCCTGCTT.1_1	YUCARD	B 2
## CAGCGACGTCGTGTCG.1_1	YUCARD	B 3
## CAGCGACGTGGCAAAC.1_1	YUCARD	Mono 3
## CAGCGACTCTGCCAGG.1_1	YUCARD	Mono 1
## CAGCTAAAGCTCTCGG.1_1	YUCARD	Mono 5
## CAGCTAAAGGACAGCT.1_1	YUCARD	Mono 7
## CAGCTAAAGGCTCTTA.1_1	YUCARD	Mono 5
## CAGCTAAAGTGTTGGA.1_1	YUCARD	NK 3
## CAGCTAACAACCGCCA.1_1	YUCARD	Mono 4
## CAGCTAAGTCTAGCCG.1_1	YUCARD	CD4T 6
## CAGCTAAGTCTGCGGT.1_1	YUCARD	CD4T 1
## CAGCTAAGTGGGTCAA.1_1	YUCARD	CD4T 1
## CAGCTGGAGAGAACAG.1_1	YUCARD	CD4T 1
## CAGCTGGAGTCAATAG.1_1	YUCARD	CD4T 5
## CAGCTGGCAAAGAATC.1_1	YUCARD	CD8T 2
## CAGCTGGCAATCGAAA.1_1	YUCARD	B 2
## CAGCTGGTCACCACCT.1_1	YUCARD	TNKT 1
## CAGCTGGTCAGCCTAA.1_1	YUCARD	B 2
## CAGGTGCAGCGTCAAG.1_1	YUCARD	CD4T 3
## CAGGTGCAGTGAAGTT.1_1	YUCARD	B 2
## CAGGTGCCAAGGTTTC.1_1	YUCARD	CD4T 1
## CAGGTGCTCCCTCTTT.1_1	YUCARD	CD4T 6
## CAGGTGCTCGGCGCAT.1_1	YUCARD	CD4T 7
## CAGGTGCTCGTATCAG.1_1	YUCARD	B 2
## CAGGTGCTCTTGGGTA.1_1	YUCARD	CD4T 1
## CAGTAACCAGTAGAGC.1_1	YUCARD	CD4T 7
## CAGTAACGTCCAGTGC.1_1	YUCARD	Mono 4
## CAGTAACCTCGGAATCT.1_1	YUCARD	Mono 7

## CAGTAACTCTCTAAGG.1_1	YUCARD	CD4T 1
## CAGTCCTAGCATCATC.1_1	YUCARD	CD4T 4
## CAGTCCTGTCCGTAA.1_1	YUCARD	CD4T 7
## CAGTCCTGTGCTAGCC.1_1	YUCARD	Mono 4
## CAGTCCTTCAGGTTCA.1_1	YUCARD	CD4T 1
## CAGTCCTTCCAAATGC.1_1	YUCARD	Mono 4
## CAGTCCTTCTCTGAGA.1_1	YUCARD	NK 2
## CAGTCCTTCTGCCCTA.1_1	YUCARD	NK 3
## CAGTCCTTCTGCGTAA.1_1	YUCARD	CD4T 5
## CATATGGCAACACCTA.1_1	YUCARD	Mono 5
## CATATGGCACTTAACG.1_1	YUCARD	CD4T 3
## CATATGGGTCTCTCTG.1_1	YUCARD	CD4T 4
## CATATTCCAACCTGCGC.1_1	YUCARD	CD8T 3
## CATATTCCAATCTGCA.1_1	YUCARD	Mono 1
## CATATTCCACGGACAA.1_1	YUCARD	CD4T 2
## CATATTCTAGCACGA.1_1	YUCARD	CD8T 2
## CATATTCTGTGAAAGA.1_1	YUCARD	Mono 8
## CATATTCTCAGTTGAC.1_1	YUCARD	CD4T 1
## CATATTCTCGGCATCG.1_1	YUCARD	CD4T 1
## CATATTCTCGTCACGG.1_1	YUCARD	Mono 8
## CATATTCTCTCGCTTG.1_1	YUCARD	TNKT 1
## CATCAAGAGCCAGGAT.1_1	YUCARD	CD4T 2
## CATCAAGAGTGACGT.1_1	YUCARD	Mono 3
## CATCAAGCACAGGTTT.1_1	YUCARD	Mono 5
## CATCAAGGTCGCCATG.1_1	YUCARD	Mono 7
## CATCAAGGTGAGGGAG.1_1	YUCARD	CD4T 1
## CATCAAGGTGCAACGA.1_1	YUCARD	NK 1
## CATCAAGTCAACCATG.1_1	YUCARD	Mono 8
## CATCAAGTCGGATGTT.1_1	YUCARD	Mono 3
## CATCAAGTCTCGTATT.1_1	YUCARD	NK 3
## CATCAGACACTTCGAA.1_1	YUCARD	B 2
## CATCAGACAGACAAAT.1_1	YUCARD	Mono 7
## CATCAGACAGATCCAT.1_1	YUCARD	CD4T 5
## CATCAGAGTACAGACG.1_1	YUCARD	B 2
## CATCAGAGTCCGCTGA.1_1	YUCARD	CD4T 2
## CATCAGAGTCTGATCA.1_1	YUCARD	CD4T 2
## CATCAGATCAGTGTTG.1_1	YUCARD	CD4T 1
## CATCAGATCTATCGCC.1_1	YUCARD	CD4T 4
## CATCAGATCTTGAGAC.1_1	YUCARD	CD4T 1
## CATCAGATCTTGCAAT.1_1	YUCARD	Mono 2
## CATCCACAGGGTTTCT.1_1	YUCARD	NK 3
## CATCCACAGTACGCCC.1_1	YUCARD	Mono 2
## CATCCACAGTTATCGC.1_1	YUCARD	CD4T 6
## CATCCACCAACACCCG.1_1	YUCARD	CD4T 2
## CATCCACCAAGTAATG.1_1	YUCARD	Mono 5
## CATCCACCACCATGTA.1_1	YUCARD	CD8T 2
## CATCCACCAGCTGCAC.1_1	YUCARD	Mono 1
## CATCCACCAGTCAGCC.1_1	YUCARD	CD4T 1
## CATCCACCATGCCTAA.1_1	YUCARD	Mono 4
## CATCCACCATTGAGCT.1_1	YUCARD	NK 2
## CATCCACGTCAAAGCG.1_1	YUCARD	CD4T 2
## CATCCACGTCTCATCC.1_1	YUCARD	CD4T 6
## CATCCACTCCCTCTTT.1_1	YUCARD	Mono 5
## CATCCACTCCGCGCAA.1_1	YUCARD	CD4T 4

## CATCCACTCGTACCGG.1_1	YUCARD	Mono 4
## CATCCACTCGTAGGAG.1_1	YUCARD	Mono 5
## CATCCACTCGTGGGAA.1_1	YUCARD	Mono 2
## CATCGAAAGGTCATCT.1_1	YUCARD	Mono 9
## CATCGAAAGTAACCCT.1_1	YUCARD	CD4T 1
## CATCGAACAAAGTTCT.1_1	YUCARD	CD4T 6
## CATCGAACACACCGCA.1_1	YUCARD	CD8T 3
## CATCGAACACATGGGA.1_1	YUCARD	B 3
## CATCGAACAGAAGCAC.1_1	YUCARD	CD4T 3
## CATCGAACAGCCTTGG.1_1	YUCARD	CD4T 1
## CATCGAAGTCAGTGGGA.1_1	YUCARD	B 2
## CATCGAATCACATACG.1_1	YUCARD	TNKT 1
## CATCGGGAGAGACTTA.1_1	YUCARD	CD4T 1
## CATCGGGAGCGCCTTG.1_1	YUCARD	CD4T 1
## CATCGGGCAGAGTGTG.1_1	YUCARD	CD4T 3
## CATCGGGGTGTGACCC.1_1	YUCARD	Mono 4
## CATCGGGGTGTGATTGC.1_1	YUCARD	Mono 4
## CATCGGGTCATCGGAT.1_1	YUCARD	B 2
## CATCGGGTCCGTCAA.1_1	YUCARD	Mono 9
## CATCGGGTCTTGCAAG.1_1	YUCARD	Mono 8
## CATGACAAGGATATAC.1_1	YUCARD	B 3
## CATGACAAGTACTTGC.1_1	YUCARD	Mono 4
## CATGACACACAAGACG.1_1	YUCARD	CD4T 4
## CATGACACACACCGCA.1_1	YUCARD	CD4T 3
## CATGACACATTTCACT.1_1	YUCARD	CD4T 2
## CATGACAGTACCGAGA.1_1	YUCARD	CD4T 1
## CATGACAGTACCGTTA.1_1	YUCARD	CD4T 1
## CATGACAGTCCGTGAC.1_1	YUCARD	CD4T 5
## CATGACATCTGCAGTA.1_1	YUCARD	Mono 4
## CATGCCTAGATCCCAT.1_1	YUCARD	CD4T 1
## CATGCCTAGGCGACAT.1_1	YUCARD	CD4T 3
## CATGCCTAGGCTCTTA.1_1	YUCARD	Mono 4
## CATGCCTCAATGTAAG.1_1	YUCARD	Mono 5
## CATGCCTCAGACAAGC.1_1	YUCARD	Mono 8
## CATGCCTGTCCAGTAT.1_1	YUCARD	TNKT 1
## CATGCCTTCAACACCA.1_1	YUCARD	Mono 4
## CATGCCTTCAAGGCTT.1_1	YUCARD	CD4T 6
## CATGCCTTCACAACGT.1_1	YUCARD	Mono 4
## CATGCCTTCAGCACAT.1_1	YUCARD	TNKT 1
## CATGCCTTCAGTCCCT.1_1	YUCARD	NK 2
## CATGCCTTCCTGCCAT.1_1	YUCARD	Mono 4
## CATGCCTTCGTTTATC.1_1	YUCARD	CD4T 1
## CATGCCTTCTTTACGT.1_1	YUCARD	CD4T 6
## CATGGCGAGGCTAGCA.1_1	YUCARD	NK 1
## CATGGCGAGGTTCTTA.1_1	YUCARD	CD4T 1
## CATGGCGAGTGGCACA.1_1	YUCARD	CD4T 1
## CATGGCGCAATGAAAC.1_1	YUCARD	Mono 7
## CATGGCGCAGACGTAG.1_1	YUCARD	Mono 8
## CATGGCGGTACTCGCG.1_1	YUCARD	Mono 3
## CATGGCGGTGCGCTTG.1_1	YUCARD	NK 1
## CATGGCGGTGGCTCCA.1_1	YUCARD	Mono 9
## CATTATCAGGCGATAC.1_1	YUCARD	CD4T 5
## CATTATCCAGGCTCAC.1_1	YUCARD	CD4T 1
## CATTATCCAGGTGGAT.1_1	YUCARD	CD4T 1

## CATTATCGTAAATGAC.1_1	YUCARD	B 1
## CATTATCGTCAACTGT.1_1	YUCARD	CD4T 6
## CATTATCGTCTCTCGT.1_1	YUCARD	B 3
## CATTATCTCGGCGCAT.1_1	YUCARD	CD4T 4
## CATTATCTCGGCTACG.1_1	YUCARD	B 2
## CATTGCGCAGCTAGTGG.1_1	YUCARD	CD8T 2
## CATTGCGCCAGCTGCAC.1_1	YUCARD	Mono 4
## CATTGCGCCATAGGATA.1_1	YUCARD	CD4T 1
## CATTGCGCCATGCATGT.1_1	YUCARD	NK 2
## CATTGCGCCATGCTAGT.1_1	YUCARD	Mono 2
## CATTGCGCCATTCTCAT.1_1	YUCARD	CD4T 3
## CATTGCGGTAATAGCA.1_1	YUCARD	Mono 1
## CATTGCGGTAGCCTAT.1_1	YUCARD	Mono 4
## CATTGCGCTCGATAGAA.1_1	YUCARD	CD4T 7
## CCAATCCAGGTTACCT.1_1	YUCARD	CD4T 4
## CCAATCCCACCAGGCT.1_1	YUCARD	Mono 8
## CCAATCCCACGTAAG.1_1	YUCARD	CD4T 3
## CCAATCCCATGAACCT.1_1	YUCARD	CD4T 1
## CCAATCCGTACAGACG.1_1	YUCARD	CD4T 7
## CCAATCCGTCTAGGTT.1_1	YUCARD	Mono 8
## CCAATCCTCGGACAAG.1_1	YUCARD	Mono 4
## CCAATCCTCGGTGTTA.1_1	YUCARD	CD4T 6
## CCACCTAAGACCTAGG.1_1	YUCARD	CD4T 4
## CCACCTACAGCTTCGG.1_1	YUCARD	B 2
## CCACCTAGTACATGTC.1_1	YUCARD	NK 2
## CCACCTAGTTAAGAAC.1_1	YUCARD	Mono 5
## CCACCTAGTTCGGGCT.1_1	YUCARD	NK 1
## CCACCTATCCATTCTA.1_1	YUCARD	Mono 5
## CCACCTATCTTGACGA.1_1	YUCARD	CD4T 1
## CCACGGAAGGTGTGGT.1_1	YUCARD	CD4T 7
## CCACGGACAGCTTCGG.1_1	YUCARD	B 2
## CCACGGACATGCAACT.1_1	YUCARD	CD4T 7
## CCACGGAGTATAATGG.1_1	YUCARD	Mono 5
## CCACGGAGTGATAAGT.1_1	YUCARD	NK 1
## CCACTACAGCCTTGAT.1_1	YUCARD	NK 1
## CCACTACAGGGCATGT.1_1	YUCARD	CD4T 6
## CCACTACCATCACAAAC.1_1	YUCARD	TNKT 1
## CCACTACGTAGATTAG.1_1	YUCARD	B 2
## CCACTACGTATTACCG.1_1	YUCARD	CD4T 3
## CCACTACGTCTGATTG.1_1	YUCARD	CD4T 1
## CCACTACGTTGCGGAC.1_1	YUCARD	CD4T 4
## CCACTACTCCAAACTG.1_1	YUCARD	CD4T 6
## CCACTACTCGCTTGTC.1_1	YUCARD	Mono 2
## CCACTACTCTTGATC.1_1	YUCARD	Mono 8
## CCAGCGAAGTTATCGC.1_1	YUCARD	B 2
## CCAGCGACAAGGTGTG.1_1	YUCARD	CD4T 6
## CCAGCGACACACGCTG.1_1	YUCARD	Mono 5
## CCAGCGACACTAAGTC.1_1	YUCARD	Mono 3
## CCAGCGAGTCAGAGGT.1_1	YUCARD	Mono 4
## CCAGCGAGTTCGTTGA.1_1	YUCARD	Mono 1
## CCAGCGAGTTGAGGTG.1_1	YUCARD	CD4T 5
## CCAGCGAGTTTGACTG.1_1	YUCARD	NK 1
## CCAGCGATCTATCCCG.1_1	YUCARD	Mono 2
## CCAGCGATCTTCATGT.1_1	YUCARD	CD4T 6

## CCAGCGATCTTGAGAC.1_1	YUCARD	TNKT 1
## CCAGCGATCTTGGGTA.1_1	YUCARD	Mono 7
## CCATGTCAGAGTGACC.1_1	YUCARD	B 2
## CCATGTCAGGGTGTG.1_1	YUCARD	CD4T 4
## CCATGTCAGTGGGATC.1_1	YUCARD	CD4T 5
## CCATGTCCACTAGTAC.1_1	YUCARD	Mono 7
## CCATGTCCAGCCACCA.1_1	YUCARD	CD4T 4
## CCATGTCGTAAGGGCT.1_1	YUCARD	B 2
## CCATGTCGTTGCTAA.1_1	YUCARD	Mono 8
## CCATGTCTCAACGAAA.1_1	YUCARD	CD4T 1
## CCATGTCTCTCGATGA.1_1	YUCARD	CD4T 1
## CCATGTCTCTTCGAGA.1_1	YUCARD	CD4T 3
## CCATGTCTCTTGCATT.1_1	YUCARD	CD4T 4
## CCATTGCGAGATGTCGG.1_1	YUCARD	Mono 7
## CCATTGCGAGGTAGCTG.1_1	YUCARD	Mono 1
## CCATTGCGCAATGAATG.1_1	YUCARD	NK 3
## CCATTGCGCACACGCTG.1_1	YUCARD	CD4T 7
## CCATTGCGCAGACGCCT.1_1	YUCARD	CD4T 1
## CCATTGCGTACCCGAG.1_1	YUCARD	Mono 8
## CCATTGCGTCCCGACTT.1_1	YUCARD	Mono 4
## CCATTGCGTCTTTGAT.1_1	YUCARD	CD4T 3
## CCATTGCGTCTTGTACT.1_1	YUCARD	Mono 8
## CCCAATCAGGAGCGAG.1_1	YUCARD	CD8T 3
## CCCAATCCATCCAACA.1_1	YUCARD	Mono 9
## CCCAATCGTTCCTCCA.1_1	YUCARD	CD4T 6
## CCCAATCTCCACTGGG.1_1	YUCARD	TNKT 1
## CCCAGTTCAACCGCCA.1_1	YUCARD	CD4T 4
## CCCAGTTGTACCCAAT.1_1	YUCARD	CD4T 4
## CCCAGTTGTGAACCTT.1_1	YUCARD	CD4T 2
## CCCAGTTGTTCCATGA.1_1	YUCARD	NK 3
## CCCAGTTTCAAGCCTA.1_1	YUCARD	CD4T 2
## CCCAGTTTCAACCCTCA.1_1	YUCARD	Mono 8
## CCCAGTTTTCGCCTGAG.1_1	YUCARD	CD4T 1
## CCCAGTTTTCGGTCCGA.1_1	YUCARD	NK 1
## CCCAGTTTCTCATTCA.1_1	YUCARD	TNKT 1
## CCCATACCATATGAGA.1_1	YUCARD	NK 3
## CCCATACTCGCGCAA.1_1	YUCARD	Mono 7
## CCTCCTAGCTACCGC.1_1	YUCARD	Mono 8
## CCTCCTCAAGCCTAT.1_1	YUCARD	Mono 8
## CCTCCTCACCAGATT.1_1	YUCARD	CD4T 3
## CCTCCTGTACTTGAC.1_1	YUCARD	Mono 7
## CCTCCTGTAGAGCTG.1_1	YUCARD	Mono 9
## CCTCCTGTCATCGGC.1_1	YUCARD	Mono 1
## CCTCCTGTGCACTTA.1_1	YUCARD	B 2
## CCTCCTGTGTACAC.1_1	YUCARD	CD4T 6
## CCTCCTTCATAAAGG.1_1	YUCARD	Mono 5
## CCTCCTTCTCGCTTG.1_1	YUCARD	NK 2
## CCGGGATAGATGTCGG.1_1	YUCARD	CD4T 4
## CCGGGATAGTCAAGGC.1_1	YUCARD	CD4T 1
## CCGGGATCAATGAATG.1_1	YUCARD	Mono 5
## CCGGGATCATCCGCGA.1_1	YUCARD	NK 2
## CCGGGATCATGACATC.1_1	YUCARD	DC 1
## CCGGGATGTAACGCGA.1_1	YUCARD	CD8T 2
## CCGGGATGTCGACTAT.1_1	YUCARD	Mono 5

## CCGGGATGTCGGGTCT.1_1	YUCARD	CD8T 1
## CCGGGATGTAAAGGGC.1_1	YUCARD	CD4T 6
## CCGGGATTCGCTAGCG.1_1	YUCARD	NK 1
## CCGGTAGAGTACGACG.1_1	YUCARD	B 3
## CCGGTAGAGTGCTGCC.1_1	YUCARD	B 2
## CCGGTAGGTTGGGACA.1_1	YUCARD	Mono 5
## CCGGTAGTCAGAGGTG.1_1	YUCARD	TNKT 1
## CCGGTAGTCCCTCTTT.1_1	YUCARD	CD8T 3
## CCGGTAGTCTAACCGA.1_1	YUCARD	CD4T 2
## CCGGTAGTCTGCGGCA.1_1	YUCARD	CD4T 2
## CCGTACTAGACCGGAT.1_1	YUCARD	Mono 5
## CCGTACTAGCACCGCT.1_1	YUCARD	CD4T 2
## CCGTACTAGGATCGCA.1_1	YUCARD	CD4T 3
## CCGTACTAGTAGATGT.1_1	YUCARD	CD4T 1
## CCGTACTAGTCCAGGA.1_1	YUCARD	CD4T 1
## CCGTACTCAAGACGTG.1_1	YUCARD	B 2
## CCGTACTCACTTCGAA.1_1	YUCARD	NK 1
## CCGTACTCAGCTGCTG.1_1	YUCARD	CD4T 2
## CCGTACTCAGGGTACA.1_1	YUCARD	B 2
## CCGTACTCAGTCCTTC.1_1	YUCARD	Mono 8
## CCGTACTCATCTATGG.1_1	YUCARD	Mono 7
## CCGTACTCATGGAATA.1_1	YUCARD	Mono 3
## CCGTACTGTACAAGTA.1_1	YUCARD	CD4T 7
## CCGTACTGTCATGCCG.1_1	YUCARD	B 3
## CCGTACTGTGCAACGA.1_1	YUCARD	CD4T 3
## CCGTACTTCACAAACC.1_1	YUCARD	Mono 8
## CCGTACTTCAGAGACG.1_1	YUCARD	Mono 1
## CCGTACTTCGAACGGA.1_1	YUCARD	CD4T 1
## CCGTGGAAGTACGTAA.1_1	YUCARD	CD4T 1
## CCGTGGACAACAACCT.1_1	YUCARD	Mono 2
## CCGTGGACAACCGCCA.1_1	YUCARD	CD4T 5
## CCGTGGACAAGTAATG.1_1	YUCARD	Mono 9
## CCGTGGACACATCCAA.1_1	YUCARD	CD4T 3
## CCGTGGACAGTATCTG.1_1	YUCARD	CD4T 2
## CCGTGGAGTGATGATA.1_1	YUCARD	Mono 1
## CCGTGGAGTGGGTATG.1_1	YUCARD	TNKT 2
## CCGTGGAGTGGTTTCA.1_1	YUCARD	CD4T 4
## CCGTGGATCTCAAACG.1_1	YUCARD	NK 3
## CCGTTCAAGTGATCGG.1_1	YUCARD	Mono 3
## CCGTTCAAGTGGAAT.1_1	YUCARD	TNKT 1
## CCGTTCACAATGCCAT.1_1	YUCARD	Mono 4
## CCGTTCACACCGATAT.1_1	YUCARD	CD4T 6
## CCGTTCAGTCCATCCT.1_1	YUCARD	DC 1
## CCGTTCAGTGTGGCTC.1_1	YUCARD	CD4T 1
## CCTAAAGAGGGAGTAA.1_1	YUCARD	CD4T 2
## CCTAAAGAGTCTCAAC.1_1	YUCARD	CD4T 5
## CCTAAAGCAATCGAAA.1_1	YUCARD	Mono 4
## CCTAAAGCACCCAGTG.1_1	YUCARD	Mono 4
## CCTAAAGCAGGTGGAT.1_1	YUCARD	CD8T 2
## CCTAAAGGTCATATGC.1_1	YUCARD	CD4T 5
## CCTAAAGGTTATCACG.1_1	YUCARD	Mono 2
## CCTAAAGTCCTCAACC.1_1	YUCARD	Mono 3
## CCTAAAGTCGGTTAAC.1_1	YUCARD	CD4T 6
## CCTAAAGTCTGCCCTA.1_1	YUCARD	B 2

## CCTAAAGTCTGTCTAT.1_1	YUCARD	Mono 4
## CCTACACAGCTTTGGT.1_1	YUCARD	Mono 5
## CCTACACAGTCTTGCA.1_1	YUCARD	CD4T 4
## CCTACACCATCCTTGC.1_1	YUCARD	CD8T 3
## CCTACACCATCGATTG.1_1	YUCARD	CD4T 3
## CCTACACGTCAACTGT.1_1	YUCARD	CD4T 2
## CCTACACGTGTTTGGT.1_1	YUCARD	TNKT 1
## CCTACACTCAGCGACC.1_1	YUCARD	B 2
## CCTACACTCATGGTCA.1_1	YUCARD	CD4T 4
## CCTACACTCGTTGACA.1_1	YUCARD	Mono 3
## CCTACACTCGTTGCCT.1_1	YUCARD	CD4T 1
## CCTACACTCTGCGGCA.1_1	YUCARD	CD4T 3
## CCTACCAAGCGTAATA.1_1	YUCARD	Mono 9
## CCTACCAAGGCGATAC.1_1	YUCARD	CD4T 3
## CCTACCAAGGCTCTTA.1_1	YUCARD	Mono 9
## CCTACCACAAGTACCT.1_1	YUCARD	TNKT 1
## CCTACCACACAGCGTC.1_1	YUCARD	CD4T 1
## CCTACCACACGGACAA.1_1	YUCARD	Mono 8
## CCTACCACAGCTTCGG.1_1	YUCARD	CD4T 6
## CCTACCACATATGCTG.1_1	YUCARD	CD4T 1
## CCTACCACATGTAGTC.1_1	YUCARD	CD4T 2
## CCTACCAGTACGAAAT.1_1	YUCARD	NK 3
## CCTACCAGTAGCGCAA.1_1	YUCARD	CD4T 2
## CCTACCAGTGTATGGG.1_1	YUCARD	Mono 8
## CCTACCATCCGATATG.1_1	YUCARD	Mono 4
## CCTACCATCGCGTTTC.1_1	YUCARD	CD4T 4
## CCTACCATCGCTTAGA.1_1	YUCARD	Mono 2
## CCTACCATCTACCTGC.1_1	YUCARD	TNKT 1
## CCTACCATCTTGTCAT.1_1	YUCARD	NK 1
## CCTACCATCTTGTTTG.1_1	YUCARD	Mono 5
## CCTAGCTAGAATTCCC.1_1	YUCARD	Mono 7
## CCTAGCTAGGTTCCCTA.1_1	YUCARD	CD4T 4
## CCTAGCTAGTGGTAGC.1_1	YUCARD	TNKT 1
## CCTAGCTGTGTTGGGA.1_1	YUCARD	NK 1
## CCTAGCTTCCGTCATC.1_1	YUCARD	NK 3
## CCTAGCTTCTGGTTCC.1_1	YUCARD	CD4T 1
## CCTATTACACACATGT.1_1	YUCARD	Mono 4
## CCTATTAGTACCCAAT.1_1	YUCARD	CD4T 1
## CCTATTAGTTTCGCTC.1_1	YUCARD	TNKT 1
## CCTATTATCAGAGCTT.1_1	YUCARD	Mono 4
## CCTCAGTAGCTCCTTC.1_1	YUCARD	Mono 8
## CCTCAGTGTAGCCTAT.1_1	YUCARD	CD4T 7
## CCTCAGTGTAGCCTCG.1_1	YUCARD	B 2
## CCTCAGTGTCCGAGTC.1_1	YUCARD	CD4T 2
## CCTCAGTTCAGCTCGG.1_1	YUCARD	Mono 1
## CCTCAGTTCCTTTCTC.1_1	YUCARD	CD4T 1
## CCTCTGAAGAGCTGCA.1_1	YUCARD	Mono 8
## CCTCTGAAGGCATTGG.1_1	YUCARD	Mono 3
## CCTCTGAAGGCTAGCA.1_1	YUCARD	NK 1
## CCTCTGACAAACGCGA.1_1	YUCARD	Mono 2
## CCTCTGACAAAGAATC.1_1	YUCARD	TNKT 2
## CCTCTGACAATGTAAG.1_1	YUCARD	CD4T 7
## CCTCTGACAGGATTGG.1_1	YUCARD	B 2
## CCTCTGACATGCCCGA.1_1	YUCARD	Mono 5

## CCTCTGAGTCAGTGGG.1_1	YUCARD	NK 3
## CCTCTGAGTTAAGAAC.1_1	YUCARD	TNKT 1
## CCTCTGATCGACAGCC.1_1	YUCARD	Mono 8
## CCTCTGATCGTTACGA.1_1	YUCARD	Mono 4
## CCTTACGAGGTTCCCTA.1_1	YUCARD	Mono 4
## CCTTACGGTACCGAGA.1_1	YUCARD	CD4T 1
## CCTTACGGTCCATGAT.1_1	YUCARD	Mono 8
## CCTTACGGTCTCTTAT.1_1	YUCARD	Mono 4
## CCTTACGTCATCACCC.1_1	YUCARD	CD4T 3
## CCTTACGTCATCTGCC.1_1	YUCARD	CD4T 3
## CCTTACGTCTAAGCCA.1_1	YUCARD	NK 4
## CCTTCCCAGAGCCTAG.1_1	YUCARD	Mono 9
## CCTTCCCAGGATATAC.1_1	YUCARD	CD8T 1
## CCTTCCCAGTGAAGTT.1_1	YUCARD	CD4T 1
## CCTTCCCCTAAGGGAA.1_1	YUCARD	Mono 9
## CCTTCCCCTAATCGTC.1_1	YUCARD	CD4T 1
## CCTTCCCCTACGCTGC.1_1	YUCARD	CD4T 6
## CCTTCCCCTCTAAAGA.1_1	YUCARD	CD4T 1
## CCTTCCCCTCCATTCTA.1_1	YUCARD	B 1
## CCTTCCCCTCCTTAATC.1_1	YUCARD	B 2
## CCTTCGACAAATACAG.1_1	YUCARD	CD8T 1
## CCTTCGACAAGCTGTT.1_1	YUCARD	CD4T 4
## CCTTCGACAGATCTGT.1_1	YUCARD	Mono 4
## CCTTCGACATCACCT.1_1	YUCARD	Mono 1
## CCTTCGACATCTGGTA.1_1	YUCARD	Mono 9
## CCTTTCTCACACGCTG.1_1	YUCARD	Mono 3
## CCTTTCTGTCGGCACT.1_1	YUCARD	CD4T 1
## CCTTTCTGTGGACGAT.1_1	YUCARD	Mono 8
## CCTTTCTGTTACCAGT.1_1	YUCARD	CD8T 1
## CCTTTCTTCAGAGGTG.1_1	YUCARD	Mono 8
## CCTTTCTTCAGCTCGG.1_1	YUCARD	Mono 3
## CCTTTCTTCAGGCAAG.1_1	YUCARD	CD4T 7
## CCTTTCTTCCGTCAA.1_1	YUCARD	Mono 1
## CCTTTCTTCGCACTCT.1_1	YUCARD	NK 3
## CCTTTCTTCGGGAGTA.1_1	YUCARD	NK 3
## CCTTTCTTCGTTTGCC.1_1	YUCARD	Mono 4
## CGAACATAGAATGTGT.1_1	YUCARD	CD4T 3
## CGAACATAGAGCTGCA.1_1	YUCARD	CD8T 2
## CGAACATAGCTCAACT.1_1	YUCARD	TNKT 1
## CGAACATAGGACGAAA.1_1	YUCARD	CD4T 1
## CGAACATAGTACACCT.1_1	YUCARD	CD8T 3
## CGAACATAGTGACCT.1_1	YUCARD	CD4T 1
## CGAACATCACAGCCCA.1_1	YUCARD	CD4T 4
## CGAACATCAGTGGAGT.1_1	YUCARD	Mono 7
## CGAACATGTCGGCTCA.1_1	YUCARD	CD4T 1
## CGAACATGTGACTCAT.1_1	YUCARD	NK 2
## CGAACATTACCTCGT.1_1	YUCARD	Mono 4
## CGAACATTCAATTGGG.1_1	YUCARD	CD4T 2
## CGAACATTCCGATATG.1_1	YUCARD	CD4T 4
## CGAACATTCTTTACA.1_1	YUCARD	CD4T 6
## CGAACATTCTACTCAT.1_1	YUCARD	Mono 9
## CGAATGTCAATTGCTG.1_1	YUCARD	CD4T 3
## CGAATGTGTTAAGGGC.1_1	YUCARD	Mono 8
## CGAATGTTCACGCTA.1_1	YUCARD	CD4T 1

## CGAATGTTCCGTACAA.1_1	YUCARD	CD4T 1
## CGAATGTTCTTTAGGG.1_1	YUCARD	CD4T 4
## CGACCTTAGACACGAC.1_1	YUCARD	CD8T 3
## CGACCTTAGAGGTACC.1_1	YUCARD	NK 4
## CGACCTTAGCTGCGAA.1_1	YUCARD	B 2
## CGACCTTAGGCTAGGT.1_1	YUCARD	CD4T 2
## CGACCTTAGTACG TTC.1_1	YUCARD	Mono 4
## CGACCTTAGTGAGAA.1_1	YUCARD	Mono 1
## CGACCTTCACCAGTTA.1_1	YUCARD	CD4T 6
## CGACCTTGTAAGTCA.1_1	YUCARD	NK 2
## CGACCTTGTGTATGGG.1_1	YUCARD	CD4T 5
## CGACCTTTTCGATAGAA.1_1	YUCARD	B 3
## CGACCTTTTCGCCATAA.1_1	YUCARD	Mono 5
## CGACCTTTTCGCTAGCG.1_1	YUCARD	CD8T 2
## CGACCTTTCTGCGTAA.1_1	YUCARD	CD4T 3
## CGACTTCAGAAGATTC.1_1	YUCARD	CD4T 2
## CGACTTCAGAAGCCCA.1_1	YUCARD	CD4T 7
## CGACTTCAGTGCCAGA.1_1	YUCARD	CD4T 2
## CGACTTCCACCGAAAG.1_1	YUCARD	NK 2
## CGACTTCGTACCGTTA.1_1	YUCARD	Mono 4
## CGACTTCGTAGAGCTG.1_1	YUCARD	B 2
## CGACTTCGTATCGCAT.1_1	YUCARD	CD4T 3
## CGACTTCTCCGGCACA.1_1	YUCARD	Mono 9
## CGACTTCTCTTCGAGA.1_1	YUCARD	CD4T 2
## CGAGAAGAGAATGTTG.1_1	YUCARD	CD4T 5
## CGAGAAGAGCTTATCG.1_1	YUCARD	Mono 8
## CGAGAAGAGTGGGATC.1_1	YUCARD	Mono 8
## CGAGAAGCAATCCGAT.1_1	YUCARD	Mono 8
## CGAGAAGCATCGACGC.1_1	YUCARD	Mono 2
## CGAGAAGTCCCGGATG.1_1	YUCARD	CD8T 2
## CGAGAAGTCCCTTG TG.1_1	YUCARD	TNKT 1
## CGAGAAGTCGGTCTAA.1_1	YUCARD	TNKT 1
## CGAGAAGTCTGGTGTA.1_1	YUCARD	Mono 5
## CGAGCACAGAGTAAGG.1_1	YUCARD	CD8T 3
## CGAGCACAGCCAACAG.1_1	YUCARD	Mono 4
## CGAGCACAGTACCGGA.1_1	YUCARD	CD4T 7
## CGAGCACCAGCGATCC.1_1	YUCARD	CD8T 1
## CGAGCACTCACTTACT.1_1	YUCARD	Mono 4
## CGAGCCAAGAGACTAT.1_1	YUCARD	CD4T 2
## CGAGCCACAATGCCAT.1_1	YUCARD	Mono 9
## CGAGCCACAGCCTGTG.1_1	YUCARD	CD4T 1
## CGAGCCACATGAGCGA.1_1	YUCARD	B 2
## CGAGCCAGTAAACGCG.1_1	YUCARD	CD8T 1
## CGAGCCAGTACTTGAC.1_1	YUCARD	Mono 5
## CGAGCCATCAACGGCC.1_1	YUCARD	Mono 2
## CGAGCCATCAGTGTTG.1_1	YUCARD	CD4T 2
## CGAGCCATCCGTCATC.1_1	YUCARD	CD4T 4
## CGAGCCATCGCTAGCG.1_1	YUCARD	Mono 7
## CGAGCCATCTCCGGTT.1_1	YUCARD	CD4T 7
## CGATCGGAGAATTGTG.1_1	YUCARD	TNKT 1
## CGATCGGAGATGTTAG.1_1	YUCARD	Mono 4
## CGATCGGAGTCACGCC.1_1	YUCARD	CD4T 7
## CGATCGGCACAGATTC.1_1	YUCARD	NK 1
## CGATCGGCAGCCAATT.1_1	YUCARD	Mono 7

## CGATCGGCAGGACCCT.1_1	YUCARD	CD8T 1
## CGATCGGCAGGGTACA.1_1	YUCARD	CD4T 2
## CGATCGGCATGCTGGC.1_1	YUCARD	TNKT 1
## CGATCGGGTATTCTCT.1_1	YUCARD	CD4T 1
## CGATCGGGTCTTGCGG.1_1	YUCARD	B 2
## CGATCGGGTGGCAAAC.1_1	YUCARD	CD4T 3
## CGATCGGTCACGAAGG.1_1	YUCARD	TNKT 1
## CGATCGGTCATGTCTT.1_1	YUCARD	CD4T 4
## CGATCGGTCCTGCAGG.1_1	YUCARD	Mono 4
## CGATGGCCAAGGACTG.1_1	YUCARD	Mono 4
## CGATGGCCACAGCCCA.1_1	YUCARD	CD4T 1
## CGATGGCCACCAGATT.1_1	YUCARD	Mono 3
## CGATGGCCAGACACTT.1_1	YUCARD	Mono 4
## CGATGGCGTCTGCGGT.1_1	YUCARD	Mono 7
## CGATGGCTCGCGGATC.1_1	YUCARD	NK 2
## CGATGTAAGAAACGCC.1_1	YUCARD	CD4T 1
## CGATGTAAGACCTTTG.1_1	YUCARD	Mono 5
## CGATGTAAGCCACCTG.1_1	YUCARD	Mono 8
## CGATGTAAGCTCCTCT.1_1	YUCARD	CD4T 2
## CGATGTACAATGGATA.1_1	YUCARD	CD4T 3
## CGATGTACAGATTGCT.1_1	YUCARD	CD4T 4
## CGATGTACAGTGAGTG.1_1	YUCARD	Mono 8
## CGATGTAGTACCTACA.1_1	YUCARD	CD4T 4
## CGATGTAGTATAAACG.1_1	YUCARD	B 2
## CGATGTATCACGATGT.1_1	YUCARD	CD4T 4
## CGATGTATCACTTATC.1_1	YUCARD	CD4T 6
## CGATGTATCATATCGG.1_1	YUCARD	NK 4
## CGATGTATCCGTCAA.1_1	YUCARD	Mono 2
## CGATGTATCCGTTGCT.1_1	YUCARD	CD4T 3
## CGATGTATCGTCACGG.1_1	YUCARD	CD4T 1
## CGATGTATCGTGGTCG.1_1	YUCARD	Mono 4
## CGATGTATCTTTAGTC.1_1	YUCARD	CD4T 1
## CGATTGAAGAAACGCC.1_1	YUCARD	B 2
## CGATTGAAGCGGATCA.1_1	YUCARD	CD4T 1
## CGATTGACACTTAAGC.1_1	YUCARD	CD4T 7
## CGATTGACAGGTCTCG.1_1	YUCARD	Mono 5
## CGATTGACATATGGTC.1_1	YUCARD	CD4T 1
## CGATTGACATCGATGT.1_1	YUCARD	Mono 8
## CGATTGAGTAAGTTCC.1_1	YUCARD	NK 3
## CGATTGAGTTAAGACA.1_1	YUCARD	B 2
## CGATTGATCAAGGTAA.1_1	YUCARD	CD4T 2
## CGATTGATCATGTCTT.1_1	YUCARD	Mono 4
## CGATTGATCGATGAGG.1_1	YUCARD	CD4T 2
## CGATTGATCGCTTAGA.1_1	YUCARD	CD4T 3
## CGCCAAGAGCAACGGT.1_1	YUCARD	NK 1
## CGCCAAGAGCAGACTG.1_1	YUCARD	CD4T 1
## CGCCAAGAGCCACTAT.1_1	YUCARD	CD4T 7
## CGCCAAGCAAAGCGGT.1_1	YUCARD	Mono 7
## CGCCAAGGTAAATGAC.1_1	YUCARD	Mono 2
## CGCCAAGGTAGGAGTC.1_1	YUCARD	CD4T 2
## CGCCAAGGTATTCGTG.1_1	YUCARD	TNKT 1
## CGCCAAGGTCCCTTG.1_1	YUCARD	CD4T 4
## CGCCAAGTCAACACCA.1_1	YUCARD	Mono 4
## CGCCAAGTCAGTGTG.1_1	YUCARD	NK 4

## CGCCAAGTCGCTTGTC.1_1	YUCARD	CD4T 7
## CGCCAAGTCGGTTCGG.1_1	YUCARD	CD4T 4
## CGCGGTAAGTGACATA.1_1	YUCARD	Mono 4
## CGCGGTACATAGACTC.1_1	YUCARD	CD4T 5
## CGCGGTACATTGCGGC.1_1	YUCARD	CD4T 1
## CGCGGTAGTTTGGCGC.1_1	YUCARD	Mono 5
## CGCGTTTTACAGACTT.1_1	YUCARD	TNKT 1
## CGCGTTTTCAGCAGTTT.1_1	YUCARD	NK 1
## CGCGTTTTCAGCCTTGG.1_1	YUCARD	Mono 5
## CGCGTTTTGTAAGGGAA.1_1	YUCARD	CD4T 1
## CGCGTTTTGTCGCATCG.1_1	YUCARD	B 3
## CGCGTTTTGTCTAAACC.1_1	YUCARD	Mono 4
## CGCGTTTTGTGCATCTA.1_1	YUCARD	Mono 5
## CGCGTTTTGTTGATTGC.1_1	YUCARD	CD4T 1
## CGCGTTTTGTTGGTGA.1_1	YUCARD	Mono 4
## CGCGTTTTCAACACAC.1_1	YUCARD	Mono 5
## CGCGTTTTCACCGGGT.1_1	YUCARD	CD8T 3
## CGCGTTTTCACTCTTA.1_1	YUCARD	Mono 1
## CGCGTTTTCAGTGCAT.1_1	YUCARD	CD4T 3
## CGCGTTTTCTAGCACA.1_1	YUCARD	CD4T 5
## CGCGTTTTCTGGAGCC.1_1	YUCARD	NK 2
## CGCTATCAGACGACGT.1_1	YUCARD	TNKT 1
## CGCTATCAGAGGACGG.1_1	YUCARD	CD8T 1
## CGCTATCCAGTGGGAT.1_1	YUCARD	Mono 4
## CGCTATCGTCGACTAT.1_1	YUCARD	CD4T 1
## CGCTATCGTCGGATCC.1_1	YUCARD	CD4T 1
## CGCTATCGTGTGACCC.1_1	YUCARD	CD4T 6
## CGCTATCGTTACGACT.1_1	YUCARD	NK 1
## CGCTATCTCAGCTCGG.1_1	YUCARD	CD4T 7
## CGCTATCTCAGGCGAA.1_1	YUCARD	Mono 7
## CGCTATCTCCGAGCCA.1_1	YUCARD	NK 2
## CGCTATCTCGGCTTGG.1_1	YUCARD	Mono 1
## CGCTGGAAGTGACCT.1_1	YUCARD	Mono 4
## CGCTGGACACGAAAGC.1_1	YUCARD	CD4T 1
## CGCTGGACAGTATCTG.1_1	YUCARD	Mono 2
## CGCTGGAGTCAGAAGC.1_1	YUCARD	CD4T 3
## CGCTGGAGTCTCATCC.1_1	YUCARD	TNKT 2
## CGCTGGATCAGCGACC.1_1	YUCARD	Mono 9
## CGCTTCAAGAAGGACA.1_1	YUCARD	Mono 4
## CGCTTCAAGCGTCAAG.1_1	YUCARD	Mono 2
## CGCTTCAAGGCCATAG.1_1	YUCARD	Mono 5
## CGCTTCAAGTGGGTTG.1_1	YUCARD	Mono 1
## CGCTTCAAGTGACCT.1_1	YUCARD	CD4T 6
## CGCTTCACACACCGAC.1_1	YUCARD	Mono 4
## CGCTTCACACTAAGTC.1_1	YUCARD	CD4T 3
## CGCTTCAGTAACGTTT.1_1	YUCARD	CD4T 4
## CGCTTCATCGTTTAGG.1_1	YUCARD	Mono 2
## CGGACACAGAAGGGTA.1_1	YUCARD	NK 3
## CGGACACAGAATTGTG.1_1	YUCARD	NK 2
## CGGACACAGCGATTCT.1_1	YUCARD	Mono 4
## CGGACACCACGGCGTT.1_1	YUCARD	CD8T 3
## CGGACACCAGTCAGCC.1_1	YUCARD	NK 2
## CGGACACGTCAGAATA.1_1	YUCARD	TNKT 1
## CGGACACGTGACGGTA.1_1	YUCARD	CD4T 5

## CGGACACGTGACTCAT.1_1	YUCARD	NK 1
## CGGACACTCACATGCA.1_1	YUCARD	Mono 1
## CGGACACTCGTGACAT.1_1	YUCARD	B 6
## CGGACGTAGAGTAAGG.1_1	YUCARD	CD4T 2
## CGGACGTCAAGAGTCG.1_1	YUCARD	Mono 3
## CGGACGTGTCTCATCC.1_1	YUCARD	CD4T 7
## CGGACGTTTCATCGCTC.1_1	YUCARD	NK 3
## CGGACGTTTCGCATGAT.1_1	YUCARD	Mono 2
## CGGACGTTCTGTACGA.1_1	YUCARD	NK 2
## CGGACTGAGAAGGTTT.1_1	YUCARD	NK 1
## CGGACTGAGACAGAGA.1_1	YUCARD	Mono 4
## CGGACTGAGCTAGTCT.1_1	YUCARD	Mono 4
## CGGACTGAGGGTTTCT.1_1	YUCARD	Mono 4
## CGGACTGAGTCTCCTC.1_1	YUCARD	Mono 3
## CGGACTGAGTGCTGCC.1_1	YUCARD	Mono 7
## CGGACTGCATGCAACT.1_1	YUCARD	B 2
## CGGACTGCATGTAGTC.1_1	YUCARD	CD4T 6
## CGGACTGGTAGCGATG.1_1	YUCARD	Mono 4
## CGGACTGGTAGCGTGA.1_1	YUCARD	TNKT 1
## CGGACTGTCACTTATC.1_1	YUCARD	Mono 8
## CGGACTGTCCTGCCAT.1_1	YUCARD	B 2
## CGGACTGTCGGCTTGG.1_1	YUCARD	CD4T 1
## CGGAGCTAGATGCGAC.1_1	YUCARD	TNKT 1
## CGGAGCTAGCCGCCTA.1_1	YUCARD	CD4T 6
## CGGAGCTCAATTCCTT.1_1	YUCARD	CD4T 7
## CGGAGCTCACTTCGAA.1_1	YUCARD	NK 3
## CGGAGCTCAGATAATG.1_1	YUCARD	CD4T 5
## CGGAGCTCAGTCCTTC.1_1	YUCARD	B 2
## CGGAGCTGTAAATACG.1_1	YUCARD	CD4T 4
## CGGAGCTGTAAGGGCT.1_1	YUCARD	TNKT 1
## CGGAGCTTCAGTTCGA.1_1	YUCARD	CD8T 3
## CGGAGCTTCATGTCCC.1_1	YUCARD	CD4T 1
## CGGAGCTTCCGAACGC.1_1	YUCARD	CD4T 3
## CGGAGCTTCGGAGCAA.1_1	YUCARD	Mono 5
## CGGAGCTTCTTAACCT.1_1	YUCARD	NK 1
## CGGAGCTTCTTTAGTC.1_1	YUCARD	CD4T 3
## CGGAGTCAGATTACCC.1_1	YUCARD	Mono 8
## CGGAGTCAGCTTCGCG.1_1	YUCARD	CD4T 4
## CGGAGTCAGGGCATGT.1_1	YUCARD	Mono 8
## CGGAGTCAGTGGTAAT.1_1	YUCARD	CD4T 6
## CGGAGTCCAAGTCATC.1_1	YUCARD	CD8T 3
## CGGAGTCCATAACCTG.1_1	YUCARD	Mono 5
## CGGAGTCCATCACGTA.1_1	YUCARD	TNKT 1
## CGGAGTCGTCAAGCGA.1_1	YUCARD	Mono 4
## CGGAGTCGTGCGGTT.1_1	YUCARD	CD4T 4
## CGGAGTCGTCTAAAGA.1_1	YUCARD	CD4T 2
## CGGAGTCTCCGCTGTT.1_1	YUCARD	CD4T 5
## CGGAGTCTCCGTAGTA.1_1	YUCARD	CD4T 2
## CGGAGTCTCGGCTACG.1_1	YUCARD	CD4T 7
## CGGCTAGAGAGACGAA.1_1	YUCARD	CD4T 6
## CGGCTAGAGTCCAGGA.1_1	YUCARD	Mono 1
## CGGCTAGCAAACGCGA.1_1	YUCARD	Mono 3
## CGGCTAGCATTCCTCG.1_1	YUCARD	CD4T 5
## CGGCTAGGTAACGCGA.1_1	YUCARD	CD4T 2

## CGGCTAGGTCAACATC.1_1	YUCARD	CD8T 1
## CGGCTAGGTCCATGAT.1_1	YUCARD	CD4T 1
## CGGCTAGGTTGTTTGG.1_1	YUCARD	NK 1
## CGGCTAGTCCCGACTT.1_1	YUCARD	CD4T 3
## CGGGTCAAGGGAAACA.1_1	YUCARD	TNKT 1
## CGGGTCAAGTGATCGG.1_1	YUCARD	Mono 7
## CGGGTCACAATAGAGT.1_1	YUCARD	B 2
## CGGGTCACAGATAATG.1_1	YUCARD	Mono 4
## CGGGTCACATCCTAGA.1_1	YUCARD	CD4T 1
## CGGGTCAGTCCAAGTT.1_1	YUCARD	Mono 5
## CGGGTCAGTCTCAACA.1_1	YUCARD	CD4T 2
## CGGGTCAGTCTGCCAG.1_1	YUCARD	Mono 4
## CGGGTCAGTTCTGTTT.1_1	YUCARD	CD4T 1
## CGGGTCATCACCGGGT.1_1	YUCARD	CD4T 1
## CGGGTCATCGGGAGTA.1_1	YUCARD	Mono 3
## CGGTTAAAGCGTAATA.1_1	YUCARD	NK 1
## CGGTTAAAGGCGTACA.1_1	YUCARD	B 3
## CGGTTAAAGTGACATA.1_1	YUCARD	CD4T 2
## CGGTTAACACATGGGA.1_1	YUCARD	CD4T 1
## CGGTTAACATTTGCTT.1_1	YUCARD	CD4T 3
## CGGTTAAGTTGATTGC.1_1	YUCARD	TNKT 1
## CGGTTAAGTTGCGTTA.1_1	YUCARD	B 2
## CGGTTAATCCTAGTGA.1_1	YUCARD	CD4T 5
## CGGTTAATCGCATGGC.1_1	YUCARD	Mono 4
## CGGTTAATCGGCGGTT.1_1	YUCARD	CD8T 3
## CGTAGCGAGATCTGCT.1_1	YUCARD	CD4T 4
## CGTAGCGAGCAGGTCA.1_1	YUCARD	Mono 3
## CGTAGCGAGTATCGAA.1_1	YUCARD	CD4T 2
## CGTAGCGAGTGGAGAA.1_1	YUCARD	Mono 5
## CGTAGCGCAAGCGAGT.1_1	YUCARD	NK 3
## CGTAGCGGTACCCAAT.1_1	YUCARD	B 2
## CGTAGCGGTTCGAATC.1_1	YUCARD	Mono 4
## CGTAGCGGTTTAAGCC.1_1	YUCARD	NK 4
## CGTAGCGTCACCCTCA.1_1	YUCARD	CD4T 4
## CGTAGCGTCTTCTGGC.1_1	YUCARD	TNKT 1
## CGTAGGCAGGGATACC.1_1	YUCARD	NK 2
## CGTAGGCCAGGGTATG.1_1	YUCARD	TNKT 1
## CGTAGGCGTAAACGCG.1_1	YUCARD	Mono 2
## CGTAGGCGTAAGTAGT.1_1	YUCARD	CD4T 1
## CGTCACTAGAACAAC.1_1	YUCARD	Mono 5
## CGTCACTAGACCACGA.1_1	YUCARD	Mono 2
## CGTCACTAGACGCAAC.1_1	YUCARD	CD8T 1
## CGTCACTAGATATGGT.1_1	YUCARD	CD4T 2
## CGTCACTAGCATCATC.1_1	YUCARD	Mono 4
## CGTCACTAGGCCGAAT.1_1	YUCARD	CD4T 4
## CGTCACTAGGCTAGCA.1_1	YUCARD	Mono 5
## CGTCACTAGTAACCCT.1_1	YUCARD	CD4T 2
## CGTCACTCAAGGACAC.1_1	YUCARD	Mono 3
## CGTCACTCAATCCGAT.1_1	YUCARD	Mono 4
## CGTCACTCACCAGATT.1_1	YUCARD	NK 1
## CGTCACTCAGCTGTTA.1_1	YUCARD	CD8T 3
## CGTCACTCATATACCG.1_1	YUCARD	CD4T 1
## CGTCACTGTAGCGTCC.1_1	YUCARD	NK 2
## CGTCACTGTGATAAAC.1_1	YUCARD	CD4T 1

## CGTCACTGTTAGTGGG.1_1	YUCARD	CD4T 3
## CGTCACTTCACAGTAC.1_1	YUCARD	Mono 5
## CGTCACTTCATTGCCC.1_1	YUCARD	Mono 4
## CGTCAGGAGCGGATCA.1_1	YUCARD	Mono 4
## CGTCAGGCACGTGAGA.1_1	YUCARD	Mono 5
## CGTCAGGCATTCTTAC.1_1	YUCARD	Mono 7
## CGTCAGGGTAGGGTAC.1_1	YUCARD	CD4T 1
## CGTCAGGGTATTACCG.1_1	YUCARD	CD4T 2
## CGTCAGGGTGACGCCT.1_1	YUCARD	CD4T 2
## CGTCAGGGTGATGTCT.1_1	YUCARD	CD4T 1
## CGTCCATAGCACCGCT.1_1	YUCARD	CD8T 2
## CGTCCATAGCTACCGC.1_1	YUCARD	CD4T 1
## CGTCCATAGCTACCTA.1_1	YUCARD	CD4T 4
## CGTCCATAGGAGTAGA.1_1	YUCARD	Mono 2
## CGTCCATAGTGACCT.1_1	YUCARD	TNKT 1
## CGTCCATCAATACGCT.1_1	YUCARD	TNKT 2
## CGTCCATCACGTGAGA.1_1	YUCARD	CD4T 2
## CGTCCATCAGTATGCT.1_1	YUCARD	CD8T 2
## CGTCCATCATGTCTC.1_1	YUCARD	CD4T 3
## CGTCCATCATGTTCCC.1_1	YUCARD	CD4T 1
## CGTCCATGTAACGACG.1_1	YUCARD	CD4T 3
## CGTCCATGTAGCGTAG.1_1	YUCARD	CD4T 3
## CGTCCATGTCAAACCTC.1_1	YUCARD	Mono 8
## CGTCCATGTCTCACCT.1_1	YUCARD	CD4T 3
## CGTCCATGTCTTTCAT.1_1	YUCARD	CD4T 7
## CGTCCATGTGTGTGCC.1_1	YUCARD	Mono 5
## CGTCCATTCCTTCAAT.1_1	YUCARD	CD4T 2
## CGTCCATTCGTGGTCG.1_1	YUCARD	NK 3
## CGTCCATTCTCCGGTT.1_1	YUCARD	Mono 5
## CGTCCATTCTGATTCT.1_1	YUCARD	Mono 2
## CGTCTACAGGCGACAT.1_1	YUCARD	Mono 5
## CGTCTACAGTAGATGT.1_1	YUCARD	NK 1
## CGTCTACAGTCCGTAT.1_1	YUCARD	CD4T 3
## CGTCTACAGTCGAGTG.1_1	YUCARD	CD4T 1
## CGTCTACAGTGTGAAT.1_1	YUCARD	Mono 8
## CGTCTACCACGCCAGT.1_1	YUCARD	Mono 4
## CGTCTACCATCCCCT.1_1	YUCARD	CD4T 1
## CGTCTACTCTTCGGTC.1_1	YUCARD	CD4T 1
## CGTGAGCAGATCCTGT.1_1	YUCARD	CD4T 2
## CGTGAGCCACATAACC.1_1	YUCARD	CD4T 7
## CGTGAGCCACGACGAA.1_1	YUCARD	Mono 2
## CGTGAGCCACGGTAAG.1_1	YUCARD	NK 4
## CGTGAGCCAGCTCGAC.1_1	YUCARD	CD4T 1
## CGTGAGCCATTATCTC.1_1	YUCARD	Mono 8
## CGTGTAAGGAACTGC.1_1	YUCARD	CD4T 4
## CGTGTAACAATAGCGG.1_1	YUCARD	Mono 7
## CGTGTAACACCATCCT.1_1	YUCARD	CD4T 6
## CGTGTAACAGACAAGC.1_1	YUCARD	Mono 4
## CGTGTAAGTCAAAGAT.1_1	YUCARD	Mono 8
## CGTGTAAGTGTGAAAT.1_1	YUCARD	Mono 8
## CGTGTAATCGTTACGA.1_1	YUCARD	Mono 1
## CGTGTCTAGATAGTCA.1_1	YUCARD	CD4T 7
## CGTGTCTAGCTGAAAT.1_1	YUCARD	CD4T 4
## CGTGTCTAGGCTATCT.1_1	YUCARD	NK 4

## CGTGTCTCATAGAAAC.1_1	YUCARD	B 2
## CGTGTCTCATTTTCAGG.1_1	YUCARD	Mono 5
## CGTGTCTGTACAGTGG.1_1	YUCARD	CD4T 4
## CGTGTCTTCCTTCAAT.1_1	YUCARD	CD4T 7
## CGTGTCTTCTGCTTGC.1_1	YUCARD	CD8T 1
## CGTTAGAAGACTAGAT.1_1	YUCARD	Mono 7
## CGTTAGACAAGGACTG.1_1	YUCARD	Mono 2
## CGTTAGACATGTTCCC.1_1	YUCARD	CD4T 1
## CGTTAGAGTTTGTTTC.1_1	YUCARD	CD4T 4
## CGTTAGATCAACGAAA.1_1	YUCARD	Mono 8
## CGTTAGATCACCCGAG.1_1	YUCARD	CD4T 5
## CGTTAGATCCAAACAC.1_1	YUCARD	B 2
## CGTTAGATCGGTAAAC.1_1	YUCARD	CD4T 7
## CGTTAGATCTACCAGA.1_1	YUCARD	Mono 2
## CGTTCTGAGAAAGTGG.1_1	YUCARD	TNKT 1
## CGTTCTGAGCGCCTCA.1_1	YUCARD	NK 2
## CGTTCTGCAAGTTAAG.1_1	YUCARD	Mono 4
## CGTTCTGCAGCTGTAT.1_1	YUCARD	CD8T 2
## CGTTCTGCATCAGTCA.1_1	YUCARD	NK 3
## CGTTCTGGTACTTCTT.1_1	YUCARD	Mono 1
## CGTTCTGGTCTTGATG.1_1	YUCARD	Mono 5
## CGTTCTGGTGGAAGA.1_1	YUCARD	Mono 3
## CGTTCTGGTGTATGGG.1_1	YUCARD	CD4T 6
## CGTTCTGTCCTAAGTG.1_1	YUCARD	CD4T 3
## CGTTCTGTCTCGCATC.1_1	YUCARD	Mono 2
## CGTTGGGAGAATGTGT.1_1	YUCARD	CD4T 2
## CGTTGGGCATTTTCAGG.1_1	YUCARD	B 2
## CGTTGGGGTCTCCACT.1_1	YUCARD	CD4T 5
## CTAACCTTAGAGCCCAA.1_1	YUCARD	CD4T 2
## CTAACCTTAGCATCATC.1_1	YUCARD	TNKT 2
## CTAACCTTAGGAGTAGA.1_1	YUCARD	NK 2
## CTAACCTTAGGCTAGAC.1_1	YUCARD	B 3
## CTAACCTTAGGGCTTCC.1_1	YUCARD	CD4T 6
## CTAACCTTCAACTGGCC.1_1	YUCARD	NK 2
## CTAACCTTCAGCCTTGG.1_1	YUCARD	CD4T 1
## CTAACCTTTCATGTCCC.1_1	YUCARD	TNKT 1
## CTAACCTTTCATGTGGT.1_1	YUCARD	CD4T 3
## CTAACCTTTCGAGCCA.1_1	YUCARD	CD4T 1
## CTAACCTTTCCTGCTTG.1_1	YUCARD	Mono 4
## CTAAGACAGATGTGGC.1_1	YUCARD	Mono 5
## CTAAGACAGGGTGTGT.1_1	YUCARD	CD4T 1
## CTAAGACAGTCCGTAT.1_1	YUCARD	CD4T 4
## CTAAGACCAAGCCGCT.1_1	YUCARD	B 3
## CTAAGACCACGAAGCA.1_1	YUCARD	CD4T 2
## CTAAGACCATCCTTGC.1_1	YUCARD	CD4T 2
## CTAAGACCATTGGGCC.1_1	YUCARD	CD4T 1
## CTAAGACGTCATGCAT.1_1	YUCARD	CD4T 6
## CTAAGACGTGGCGAAT.1_1	YUCARD	CD4T 1
## CTAAGACGTTGACTG.1_1	YUCARD	Mono 4
## CTAAGACTCAACGGGA.1_1	YUCARD	Mono 5
## CTAAGACTCTGCGACG.1_1	YUCARD	CD4T 4
## CTAATGGCAGTAAGCG.1_1	YUCARD	CD4T 7
## CTAATGGCATGACGGA.1_1	YUCARD	Mono 5
## CTAATGGGTATCTGCA.1_1	YUCARD	Mono 9

## CTAATGGTCAGCTCGG.1_1	YUCARD	B 2
## CTAATGGTCAGTGTTG.1_1	YUCARD	B 2
## CTAATGGTCCCAAGAT.1_1	YUCARD	CD4T 2
## CTACACCCAATAACGA.1_1	YUCARD	B 2
## CTACACCCACAGACTT.1_1	YUCARD	Mono 5
## CTACACCCACCAGCAC.1_1	YUCARD	Mono 7
## CTACACCGTCTGCCAG.1_1	YUCARD	Mono 7
## CTACACCGTGTGACGA.1_1	YUCARD	CD4T 7
## CTACACCTCACGCATA.1_1	YUCARD	CD4T 1
## CTACACCTCCACGTTT.1_1	YUCARD	CD4T 2
## CTACACCTCCAGGGCT.1_1	YUCARD	Mono 4
## CTACACCTCTGGAGCC.1_1	YUCARD	CD4T 2
## CTACATTAGAGCTTCT.1_1	YUCARD	CD4T 6
## CTACATTAGCGAGAAA.1_1	YUCARD	Mono 1
## CTACATTAGCTGTCTA.1_1	YUCARD	Mono 8
## CTACATTCACCATGTA.1_1	YUCARD	Mono 4
## CTACATTCACGGTGTC.1_1	YUCARD	Mono 4
## CTACATTCAGCTGCTG.1_1	YUCARD	NK 3
## CTACATTCATGAGCGA.1_1	YUCARD	TNKT 2
## CTACATTGTGCGGTAA.1_1	YUCARD	CD8T 2
## CTACATTTTCAGGCAAG.1_1	YUCARD	CD4T 1
## CTACATTTTCGAATCCA.1_1	YUCARD	B 2
## CTACATTTTCGCACTCT.1_1	YUCARD	CD4T 1
## CTACATTTTCTACTATC.1_1	YUCARD	Mono 9
## CTACCCAAGAGGTTAT.1_1	YUCARD	Mono 7
## CTACCCAAGATCTGCT.1_1	YUCARD	Mono 7
## CTACCCAAGATGTTAG.1_1	YUCARD	TNKT 1
## CTACCCAAGGTCGGAT.1_1	YUCARD	Mono 1
## CTACCCACAACGCACC.1_1	YUCARD	B 1
## CTACCCACAGGGTTAG.1_1	YUCARD	B 2
## CTACCCAGTCCGAACC.1_1	YUCARD	CD4T 6
## CTACCCAGTCCGAGTC.1_1	YUCARD	CD4T 4
## CTACCCAGTCCGCTGA.1_1	YUCARD	TNKT 1
## CTACCCAGTGCAGACA.1_1	YUCARD	Mono 4
## CTACCCAGTGCGGTAA.1_1	YUCARD	CD4T 3
## CTACCCAGTGTGAGG.1_1	YUCARD	Mono 2
## CTACCCAGTTCATGGT.1_1	YUCARD	CD4T 3
## CTACCCATCACAACGT.1_1	YUCARD	CD4T 1
## CTACCCATCACCGGGT.1_1	YUCARD	Mono 8
## CTACCCATCGCAAAC.1_1	YUCARD	Mono 4
## CTACCCATCTTGCA.1_1	YUCARD	B 2
## CTACGTCAGCTTATCG.1_1	YUCARD	Mono 9
## CTACGTCCAAAGTCAA.1_1	YUCARD	CD4T 1
## CTACGTCCAGCATACT.1_1	YUCARD	NK 1
## CTACGTCTGCTGCCAG.1_1	YUCARD	CD4T 1
## CTACGTCTGTTAAGCC.1_1	YUCARD	CD8T 1
## CTACGTCTCCAACTG.1_1	YUCARD	Mono 7
## CTACGTCTCGAGCCCA.1_1	YUCARD	CD4T 1
## CTACGTCTCTGCTGTC.1_1	YUCARD	Mono 4
## CTAGAGTAGACAAGCC.1_1	YUCARD	CD4T 7
## CTAGAGTAGAGTGACC.1_1	YUCARD	CD4T 2
## CTAGAGTAGATCCGAG.1_1	YUCARD	CD4T 1
## CTAGAGTAGTCAAGCG.1_1	YUCARD	NK 1
## CTAGAGTAGTTCACA.1_1	YUCARD	CD4T 6

## CTAGAGTCAAGAAAGG.1_1	YUCARD	NK 3
## CTAGAGTCAATGTTGC.1_1	YUCARD	CD4T 1
## CTAGAGTCACTGTCGG.1_1	YUCARD	Mono 1
## CTAGAGTCAGCATACT.1_1	YUCARD	Mono 4
## CTAGAGTCAGTCCTTC.1_1	YUCARD	NK 3
## CTAGAGTGTAATACG.1_1	YUCARD	CD4T 1
## CTAGAGTGTTCATT.1_1	YUCARD	CD4T 7
## CTAGAGTTCGACGGAA.1_1	YUCARD	Mono 4
## CTAGAGTTCTAGCACA.1_1	YUCARD	NK 2
## CTAGAGTTCTGATTCT.1_1	YUCARD	Mono 5
## CTAGCCTAGCCAGTAG.1_1	YUCARD	CD4T 4
## CTAGCCTAGCGATATA.1_1	YUCARD	Mono 8
## CTAGCCTAGTTCGCGC.1_1	YUCARD	CD4T 7
## CTAGCCTCAGTAAGAT.1_1	YUCARD	TNKT 2
## CTAGCCTGTGCCTTGG.1_1	YUCARD	CD4T 1
## CTAGCCTTCACCCTCA.1_1	YUCARD	B 2
## CTAGTGAAGAGAGCTC.1_1	YUCARD	TNKT 1
## CTAGTGAAGCTGCAAG.1_1	YUCARD	CD4T 1
## CTAGTGAAGGCCGAAT.1_1	YUCARD	Mono 3
## CTAGTGAAGGTGTTAA.1_1	YUCARD	NK 1
## CTAGTGACACGGACAA.1_1	YUCARD	CD4T 6
## CTAGTGAGTACTTCTT.1_1	YUCARD	CD4T 4
## CTAGTGAGTCCAAGTT.1_1	YUCARD	Mono 4
## CTAGTGAGTGGCAAAC.1_1	YUCARD	CD4T 1
## CTAGTGATCCATGAAC.1_1	YUCARD	TNKT 1
## CTAGTGATCCCATTTA.1_1	YUCARD	Mono 9
## CTCACACAGAAGAAGC.1_1	YUCARD	Mono 8
## CTCACACAGTGTTAGA.1_1	YUCARD	TNKT 1
## CTCACACTCAACCAAC.1_1	YUCARD	Mono 7
## CTCACACTCAATCTCT.1_1	YUCARD	Mono 5
## CTCACACTCTCCCTGA.1_1	YUCARD	TNKT 1
## CTCACACTCTGAGTGT.1_1	YUCARD	CD4T 6
## CTCAGAAAGCAATCTC.1_1	YUCARD	CD4T 2
## CTCAGAAAGCGACGTA.1_1	YUCARD	CD4T 6
## CTCAGAAAGCTACCTA.1_1	YUCARD	CD4T 4
## CTCAGAAAGCTCTCGG.1_1	YUCARD	CD4T 1
## CTCAGAAAGGGAACGG.1_1	YUCARD	CD8T 1
## CTCAGAACAACCGCCA.1_1	YUCARD	TNKT 1
## CTCAGAACAACCTGCGC.1_1	YUCARD	Mono 7
## CTCAGAACACAGCGTC.1_1	YUCARD	TNKT 2
## CTCAGAAGTGACTACT.1_1	YUCARD	Mono 4
## CTCAGAAGTTTAAGCC.1_1	YUCARD	Mono 8
## CTCAGAATCATGCAAC.1_1	YUCARD	Mono 4
## CTCAGAATCGCACTCT.1_1	YUCARD	CD4T 1
## CTCATTAAGGGTGTTG.1_1	YUCARD	Mono 8
## CTCATTACACCAGCAC.1_1	YUCARD	Mono 2
## CTCATTACAGGTCCAC.1_1	YUCARD	DC 1
## CTCATTAGTACCATCA.1_1	YUCARD	NK 2
## CTCATTAGTAGCACGA.1_1	YUCARD	Mono 4
## CTCATTATCATCATTC.1_1	YUCARD	Mono 8
## CTCCTAGCACTTGGAT.1_1	YUCARD	NK 3
## CTCCTAGCAGACTCGC.1_1	YUCARD	CD4T 6
## CTCCTAGCATCATCCC.1_1	YUCARD	DC 1
## CTCCTAGGTCATTAGC.1_1	YUCARD	CD4T 4

## CTCCTAGGTTCCACTC.1_1	YUCARD	Mono 9
## CTCCTAGTCTACCAGA.1_1	YUCARD	NK 2
## CTCGAAAAGAACTCGG.1_1	YUCARD	CD4T 3
## CTCGAAACAAGCTGGA.1_1	YUCARD	NK 3
## CTCGAAACACCACCAG.1_1	YUCARD	CD4T 1
## CTCGAAACAGCAGTTT.1_1	YUCARD	Mono 4
## CTCGAAACATTGCGGC.1_1	YUCARD	Mono 5
## CTCGAAAGTAGCGATG.1_1	YUCARD	Mono 5
## CTCGAAAGTCCATGAT.1_1	YUCARD	Mono 4
## CTCGAAAGTCTTCAAG.1_1	YUCARD	CD4T 7
## CTCGAAATCGAATGCT.1_1	YUCARD	CD8T 3
## CTCGAAATCGCGCCAA.1_1	YUCARD	CD4T 4
## CTCGAAATCTCAAGTG.1_1	YUCARD	Mono 4
## CTCGAAATCTGTCTAT.1_1	YUCARD	B 2
## CTCGAGGAGAAAACGCC.1_1	YUCARD	Mono 7
## CTCGAGGAGACTCGGA.1_1	YUCARD	Mono 3
## CTCGAGGAGCTTTGGT.1_1	YUCARD	NK 3
## CTCGAGGAGGCTACGA.1_1	YUCARD	Mono 4
## CTCGAGGAGTAGGCCA.1_1	YUCARD	CD4T 2
## CTCGAGGAGTAGTGCG.1_1	YUCARD	CD4T 1
## CTCGAGGCACGGCGTT.1_1	YUCARD	CD4T 3
## CTCGAGGCAGCTGTAT.1_1	YUCARD	Mono 7
## CTCGAGGGTCCATGAT.1_1	YUCARD	CD4T 3
## CTCGAGGTCCACTCCA.1_1	YUCARD	Mono 2
## CTCGAGGTTCGAGGTAG.1_1	YUCARD	Mono 5
## CTCGAGGTGCGCTGTT.1_1	YUCARD	Mono 8
## CTCGGAGAGTTAAGTG.1_1	YUCARD	NK 4
## CTCGGAGCAGAGCCAA.1_1	YUCARD	TNKT 1
## CTCGGAGCAGTATGCT.1_1	YUCARD	NK 3
## CTCGGAGGTACGACCC.1_1	YUCARD	CD4T 1
## CTCGGAGGTAGCGCAA.1_1	YUCARD	CD4T 6
## CTCGGAGGTCATATCG.1_1	YUCARD	Mono 4
## CTCGGGAAGACCACGA.1_1	YUCARD	CD4T 2
## CTCGGGACAAGAAGAG.1_1	YUCARD	Mono 5
## CTCGGGACAGCCTTGG.1_1	YUCARD	CD4T 1
## CTCGGGAGTAATTGGA.1_1	YUCARD	Mono 4
## CTCGGGAGTCCGACGT.1_1	YUCARD	CD4T 1
## CTCGGGATCTAACGGT.1_1	YUCARD	Mono 1
## CTCGTACAGATCGATA.1_1	YUCARD	CD4T 1
## CTCGTACAGCTGCAAG.1_1	YUCARD	Mono 2
## CTCGTACCAAGCGCTC.1_1	YUCARD	Mono 3
## CTCGTACCATCCGCGA.1_1	YUCARD	Mono 8
## CTCGTACCATTGGCGC.1_1	YUCARD	CD8T 3
## CTCGTACGTCTCTCGT.1_1	YUCARD	Mono 4
## CTCGTCAAGTGGGTTG.1_1	YUCARD	CD8T 3
## CTCGTCAAGTGTTGGA.1_1	YUCARD	CD4T 7
## CTCGTCAACAAGCCGCT.1_1	YUCARD	TNKT 1
## CTCGTACAGCTATTG.1_1	YUCARD	Mono 8
## CTCGTACATCCCACT.1_1	YUCARD	Mono 9
## CTCGTCAGTAGCGCAA.1_1	YUCARD	CD4T 3
## CTCGTCAGTGCAGGTA.1_1	YUCARD	CD4T 1
## CTCGTCAGTATCGGT.1_1	YUCARD	CD4T 2
## CTCGTCAATCGGAGGTA.1_1	YUCARD	CD4T 4
## CTCTAATAGAACTCGG.1_1	YUCARD	Mono 2

## CTCTAATAGACAGACC.1_1	YUCARD	CD4T 1
## CTCTAATAGCACGCCT.1_1	YUCARD	CD4T 3
## CTCTAATAGTCCAGGA.1_1	YUCARD	Mono 4
## CTCTAATCACCACCAG.1_1	YUCARD	Mono 7
## CTCTAATCACTACAGT.1_1	YUCARD	Mono 1
## CTCTAATCAGAGCCAA.1_1	YUCARD	NK 2
## CTCTAATTCCTTAATC.1_1	YUCARD	CD4T 1
## CTCTAATTCTGAGTGT.1_1	YUCARD	CD4T 3
## CTCTACGAGCTTATCG.1_1	YUCARD	CD4T 1
## CTCTACGCAATGCCAT.1_1	YUCARD	CD4T 7
## CTCTACGCACAACGCC.1_1	YUCARD	TNKT 2
## CTCTACGCAGTCGTGC.1_1	YUCARD	B 3
## CTCTACGGTGGTGTAG.1_1	YUCARD	CD4T 7
## CTCTACGTCAGTCCCT.1_1	YUCARD	CD4T 3
## CTCTACGTCTCAAGTG.1_1	YUCARD	B 2
## CTCTGGTAGAATGTGT.1_1	YUCARD	Mono 7
## CTCTGGTAGCCAGGAT.1_1	YUCARD	TNKT 1
## CTCTGGTAGGTCATCT.1_1	YUCARD	NK 2
## CTCTGGTAGTGAAGAG.1_1	YUCARD	Mono 9
## CTCTGGTCATGCTAGT.1_1	YUCARD	CD4T 5
## CTCTGGGTACCGAGA.1_1	YUCARD	TNKT 2
## CTCTGGGTGATGTGG.1_1	YUCARD	B 2
## CTCTGGGTTCATGGT.1_1	YUCARD	TNKT 1
## CTCTGGTTCAAAGTAG.1_1	YUCARD	Mono 8
## CTCTGGTTCGAGCCCA.1_1	YUCARD	Mono 1
## CTCTGGTTCTCTAGGA.1_1	YUCARD	TNKT 1
## CTCTGGTTCTGATACG.1_1	YUCARD	Mono 1
## CTGAAACGTGTCAATC.1_1	YUCARD	CD4T 2
## CTGAAACTCGGATGGA.1_1	YUCARD	B 2
## CTGAAACTCGTTTATC.1_1	YUCARD	Mono 4
## CTGAAACTCTCTAGGA.1_1	YUCARD	CD4T 4
## CTGAAGTAGGAGTCTG.1_1	YUCARD	NK 2
## CTGAAGTCAAGCTGTT.1_1	YUCARD	CD4T 5
## CTGAAGTCAATGAATG.1_1	YUCARD	Mono 8
## CTGAAGTGTTAAAGTG.1_1	YUCARD	CD4T 6
## CTGAAGTGTTACCTC.1_1	YUCARD	CD8T 3
## CTGAAGTTCTCTGAGA.1_1	YUCARD	Mono 9
## CTGATAGAGGATTCCG.1_1	YUCARD	B 2
## CTGATAGAGGTGCAAC.1_1	YUCARD	Mono 9
## CTGATAGAGTAACCCT.1_1	YUCARD	B 2
## CTGATAGAGTGGACGT.1_1	YUCARD	CD4T 1
## CTGATAGAGTTACGGG.1_1	YUCARD	TNKT 1
## CTGATAGCACAACGT.1_1	YUCARD	CD4T 2
## CTGATAGCACGGCCAT.1_1	YUCARD	CD4T 1
## CTGATAGCAGCCTTTC.1_1	YUCARD	B 2
## CTGATAGCAGGGTATG.1_1	YUCARD	DC 1
## CTGATAGGTTAAAGAC.1_1	YUCARD	CD4T 6
## CTGATAGGTTCCGTCT.1_1	YUCARD	CD8T 3
## CTGATAGTCAAACCGT.1_1	YUCARD	CD4T 4
## CTGATAGTCAAGGTAA.1_1	YUCARD	CD4T 4
## CTGATAGTCAGCTCGG.1_1	YUCARD	NK 2
## CTGATCCAGCCTCGTG.1_1	YUCARD	NK 1
## CTGATCCAGGGATACC.1_1	YUCARD	TNKT 1
## CTGATCCAGTAGCGGT.1_1	YUCARD	Mono 4

## CTGATCCAGTCCATAC.1_1	YUCARD	TNKT 1
## CTGATCCCAAACAACA.1_1	YUCARD	CD4T 3
## CTGATCCCAGATGGCA.1_1	YUCARD	Mono 7
## CTGATCCCATGAACCT.1_1	YUCARD	CD4T 7
## CTGATCCGTATAAACG.1_1	YUCARD	NK 3
## CTGATCCTCGACGGAA.1_1	YUCARD	Mono 5
## CTGCCTAAGCGATATA.1_1	YUCARD	NK 1
## CTGCCTAAGTAACCCT.1_1	YUCARD	NK 4
## CTGCCTAAGTCGTA.1_1	YUCARD	CD4T 4
## CTGCCTACACCACGTG.1_1	YUCARD	CD4T 3
## CTGCCTACACCTATCC.1_1	YUCARD	CD4T 2
## CTGCCTACAGGTCGTC.1_1	YUCARD	Mono 8
## CTGCCTACAGTGAGTG.1_1	YUCARD	Mono 2
## CTGCCTAGTATAAACG.1_1	YUCARD	Mono 4
## CTGCCTAGTGCTCTTC.1_1	YUCARD	Mono 5
## CTGCCTAGTTCATGGT.1_1	YUCARD	Mono 8
## CTGCCTAGTTGCGTTA.1_1	YUCARD	Mono 8
## CTGCCTATCGCCTGTT.1_1	YUCARD	CD4T 1
## CTGCCTATCTTGAGAC.1_1	YUCARD	CD4T 3
## CTGCGGAAGTAGGCCA.1_1	YUCARD	Mono 5
## CTGCGGACAGTTCCCT.1_1	YUCARD	Mono 5
## CTGCGGAGTCAAACCTC.1_1	YUCARD	CD4T 7
## CTGCGGAGTCTCATCC.1_1	YUCARD	Mono 5
## CTGCGGAGTCTCCCTA.1_1	YUCARD	Mono 8
## CTGCTGTGTTGGAGGT.1_1	YUCARD	NK 2
## CTGCTGTTCATCGGAT.1_1	YUCARD	Mono 8
## CTGGTCTAGAGTACAT.1_1	YUCARD	B 2
## CTGGTCTCAACGATCT.1_1	YUCARD	Mono 9
## CTGGTCTCAATCGGTT.1_1	YUCARD	Mono 4
## CTGGTCTGTCCATGAT.1_1	YUCARD	CD8T 2
## CTGGTCTGTGACGCCT.1_1	YUCARD	CD4T 6
## CTGGTCTGTTCCCTCA.1_1	YUCARD	TNKT 1
## CTGGTCTTCCTACAGA.1_1	YUCARD	Mono 8
## CTGGTCTTCGAGGTAG.1_1	YUCARD	B 2
## CTGGTCTTCGATCCCT.1_1	YUCARD	B 2
## CTGGTCTTCGCCCTTA.1_1	YUCARD	CD4T 2
## CTGTGCTAGAATTCCC.1_1	YUCARD	CD4T 6
## CTGTGCTAGGTTACCT.1_1	YUCARD	CD4T 3
## CTGTGCTCAACGATCT.1_1	YUCARD	Mono 8
## CTGTGCTCAAGTTCTG.1_1	YUCARD	Mono 2
## CTGTGCTCACAAGTAA.1_1	YUCARD	Mono 4
## CTGTGCTCACCGAATT.1_1	YUCARD	Mono 4
## CTGTGCTCACTTGAT.1_1	YUCARD	Mono 8
## CTGTGCTCAGCCTTGG.1_1	YUCARD	CD4T 2
## CTGTGCTCATGGTCTA.1_1	YUCARD	NK 4
## CTGTGCTGTGCCTTGG.1_1	YUCARD	Mono 4
## CTGTGCTGTTAAGATG.1_1	YUCARD	B 3
## CTGTGCTGTTAGTGGG.1_1	YUCARD	CD4T 4
## CTGTGCTTCAAAGACA.1_1	YUCARD	NK 1
## CTGTGCTTCTATCCTA.1_1	YUCARD	Mono 4
## CTGTTTAAAGCAATATG.1_1	YUCARD	Mono 5
## CTGTTTAAAGCGACGTA.1_1	YUCARD	Mono 8
## CTGTTTAAAGCGTGTCC.1_1	YUCARD	CD4T 4
## CTGTTTAAAGGGCTTGA.1_1	YUCARD	CD4T 1

## CTGTTTAAGGTGACCA.1_1	YUCARD	B 3
## CTGTTTACAAGAAGAG.1_1	YUCARD	CD8T 3
## CTGTTTAGTTCGTCTC.1_1	YUCARD	Mono 8
## CTGTTTATCTCCAACC.1_1	YUCARD	Mono 2
## CTTAACTAGAGCTGCA.1_1	YUCARD	Mono 5
## CTTAACTAGCTGAAAT.1_1	YUCARD	CD4T 1
## CTTAACTCACCTGGTG.1_1	YUCARD	CD4T 1
## CTTAACTCACGTAAGG.1_1	YUCARD	CD4T 4
## CTTAACTCATGTCGAT.1_1	YUCARD	CD4T 3
## CTTAACTCATTGGCGC.1_1	YUCARD	NK 3
## CTTAACTGTACTTGAC.1_1	YUCARD	Mono 5
## CTTAACTGTCTTCGTC.1_1	YUCARD	B 2
## CTTAACTGTGAGTATA.1_1	YUCARD	CD4T 6
## CTTAACTTCAACGGGA.1_1	YUCARD	Mono 1
## CTTAACTTCAGGCAAG.1_1	YUCARD	B 2
## CTTAACTTCATCTGTT.1_1	YUCARD	NK 2
## CTTACCGAGAAGGGTA.1_1	YUCARD	Mono 3
## CTTACCGAGCTTTGGT.1_1	YUCARD	CD4T 1
## CTTACCGAGGACTGGT.1_1	YUCARD	TNKT 2
## CTTACCGCACAGACAG.1_1	YUCARD	CD4T 3
## CTTACCGCAGACGTAG.1_1	YUCARD	NK 2
## CTTACCGCAGATCTGT.1_1	YUCARD	B 1
## CTTACCGCAGCTCGCA.1_1	YUCARD	NK 2
## CTTACCGGTAACGCGA.1_1	YUCARD	TNKT 1
## CTTACCGGTATCGCAT.1_1	YUCARD	CD4T 7
## CTTACCGGTCTCTTAT.1_1	YUCARD	B 2
## CTTACCGTCAAGCCTA.1_1	YUCARD	NK 4
## CTTACCGTCAGGCCCA.1_1	YUCARD	TNKT 1
## CTTACCGTCCATGAGT.1_1	YUCARD	CD4T 1
## CTTACCGTCCTAGGGC.1_1	YUCARD	CD4T 7
## CTTACCGTCGCCAAAT.1_1	YUCARD	B 2
## CTTAGGAAGACAGAGA.1_1	YUCARD	Mono 8
## CTTAGGAAGAGACTAT.1_1	YUCARD	B 2
## CTTAGGAAGCACGCCT.1_1	YUCARD	CD4T 7
## CTTAGGACACCTCGGA.1_1	YUCARD	NK 1
## CTTAGGACACGACTCG.1_1	YUCARD	Mono 4
## CTTAGGAGTCCGTGAC.1_1	YUCARD	Mono 4
## CTTCTCTAGAGTGAGA.1_1	YUCARD	B 2
## CTTCTCTAGCTAAGAT.1_1	YUCARD	Mono 4
## CTTCTCTACTACAGT.1_1	YUCARD	CD8T 2
## CTTCTCTCAGGCTGAA.1_1	YUCARD	NK 4
## CTTCTCTGTATGAAAC.1_1	YUCARD	Mono 5
## CTTCTCTGTCTGCCAG.1_1	YUCARD	CD4T 3
## CTTCTCTGTGAACCTT.1_1	YUCARD	Mono 4
## CTTCTCTGTGTCTGAT.1_1	YUCARD	Mono 4
## CTTGGCTAGCATGGCA.1_1	YUCARD	Mono 8
## CTTGGCTCATCATCCC.1_1	YUCARD	NK 2
## CTTGGCTGTAAAGGAG.1_1	YUCARD	CD4T 4
## CTTGGCTGTGTATGGG.1_1	YUCARD	Mono 7
## CTTGGCTTCCACGTTT.1_1	YUCARD	CD8T 2
## CTTGGCTTCCGCAGTG.1_1	YUCARD	Mono 8
## CTTGGCTTCGCCTGTT.1_1	YUCARD	CD4T 1
## CTTTGCGAGGTGCTAG.1_1	YUCARD	Mono 8
## CTTTGCGCAAAGAATC.1_1	YUCARD	Mono 4

## CTTTGC GCAACACGCC.1_1	YUCARD	CD4T 3
## CTTTGC GCAACCGCCA.1_1	YUCARD	CD4T 4
## CTTTGC GCAACGCACC.1_1	YUCARD	Mono 1
## CTTTGC GCATGCCCGA.1_1	YUCARD	CD4T 4
## CTTTGC GGTACTCGCG.1_1	YUCARD	Mono 1
## CTTTGC GGTATGAAAC.1_1	YUCARD	B 2
## CTTTGC GGT CAGGACA.1_1	YUCARD	CD4T 4
## CTTTGC GTCACATGCA.1_1	YUCARD	Mono 8
## CTTTGC GTCGTACCGG.1_1	YUCARD	Mono 3
## GAAACTCAGCACCGTC.1_1	YUCARD	Mono 8
## GAAACTCAGCGTGAAC.1_1	YUCARD	CD4T 2
## GAAACTCAGGGTTTCT.1_1	YUCARD	CD4T 2
## GAAACTCAGGTGGGTT.1_1	YUCARD	CD4T 6
## GAAACTCCAGCCAGAA.1_1	YUCARD	Mono 2
## GAAACTCGTACGACCC.1_1	YUCARD	NK 3
## GAAACTCGTACTCGCG.1_1	YUCARD	CD4T 7
## GAAACTCGTGACTCAT.1_1	YUCARD	TNKT 2
## GAAACTCGTTGAACTC.1_1	YUCARD	B 3
## GAAACTCTCAGTGTTG.1_1	YUCARD	DC 1
## GAAATGAAGAGGGCTT.1_1	YUCARD	CD4T 4
## GAAATGAAGCAGACTG.1_1	YUCARD	Mono 4
## GAAATGAAGGTCATCT.1_1	YUCARD	Mono 9
## GAAATGAAGTACACCT.1_1	YUCARD	Mono 8
## GAAATGACACTCGACG.1_1	YUCARD	Mono 5
## GAAATGACAGGTGCCT.1_1	YUCARD	CD4T 1
## GAAATGAGTAGCGATG.1_1	YUCARD	NK 1
## GAAATGAGTTTGGGCC.1_1	YUCARD	CD4T 4
## GAAATGATCGAACTGT.1_1	YUCARD	CD4T 6
## GAAATGATCTATGTGG.1_1	YUCARD	B 2
## GAAATGATCTGTTTGT.1_1	YUCARD	NK 3
## GAACATCAGAATGTTG.1_1	YUCARD	B 3
## GAACATCCAACAACCT.1_1	YUCARD	CD4T 3
## GAACATCCAAGGTGTG.1_1	YUCARD	CD4T 3
## GAACATCCACACCGAC.1_1	YUCARD	NK 2
## GAACATCCATTCTCAT.1_1	YUCARD	NK 3
## GAACATCGTACCGCTG.1_1	YUCARD	CD4T 6
## GAACATCGTCACTGGC.1_1	YUCARD	CD4T 6
## GAACATCTCATAAAGG.1_1	YUCARD	Mono 5
## GAACATCTCATCGGAT.1_1	YUCARD	NK 4
## GAACATCTCGGAAATA.1_1	YUCARD	TNKT 1
## GAACATCTCTCGAGTA.1_1	YUCARD	CD4T 1
## GAACCTAAGGGATGGG.1_1	YUCARD	TNKT 1
## GAACCTAAGGTCTCC.1_1	YUCARD	CD4T 4
## GAACCTAAGGTGCTAG.1_1	YUCARD	TNKT 1
## GAACCTAAGTGTCAT.1_1	YUCARD	CD4T 3
## GAACCTACAAGACACG.1_1	YUCARD	Mono 7
## GAACCTAGTAACGCGA.1_1	YUCARD	CD8T 2
## GAACCTATCACCAGGC.1_1	YUCARD	CD4T 1
## GAACCTATCAGTTTGG.1_1	YUCARD	Mono 5
## GAACCTATCGACCAGC.1_1	YUCARD	NK 1
## GAACCTATCTGATTCT.1_1	YUCARD	CD4T 5
## GAACGGAAGAACAATC.1_1	YUCARD	Mono 8
## GAACGGAAGAGTACCG.1_1	YUCARD	Mono 3
## GAACGGACACGCGAAA.1_1	YUCARD	Mono 7

## GAACGGACATGCGCAC.1_1	YUCARD	Mono 5
## GAACGGAGTACAGTGG.1_1	YUCARD	CD4T 3
## GAACGGAGTATAAACG.1_1	YUCARD	CD4T 7
## GAACGGAGTGTGCGTC.1_1	YUCARD	CD4T 1
## GAACGGATCACAGGCC.1_1	YUCARD	Mono 9
## GAACGGATCCCTCAGT.1_1	YUCARD	CD4T 1
## GAACGGATCGTACCGG.1_1	YUCARD	CD8T 3
## GAAGCAGAGCTATGCT.1_1	YUCARD	CD4T 7
## GAAGCAGAGTACGCGA.1_1	YUCARD	CD4T 5
## GAAGCAGAGTCACGCC.1_1	YUCARD	CD4T 1
## GAAGCAGAGTGGCACA.1_1	YUCARD	TNKT 1
## GAAGCAGAGTTCGCGC.1_1	YUCARD	CD4T 3
## GAAGCAGCAAGTTCT.1_1	YUCARD	Mono 4
## GAAGCAGCACCCATGG.1_1	YUCARD	CD4T 1
## GAAGCAGCACCGAAAG.1_1	YUCARD	NK 2
## GAAGCAGGTCCGCTGA.1_1	YUCARD	Mono 8
## GAAGCAGTCCCAACGG.1_1	YUCARD	NK 2
## GAATAAGAGCGATCCC.1_1	YUCARD	CD4T 2
## GAATAAGAGCTAACAA.1_1	YUCARD	Mono 4
## GAATAAGAGGACATTA.1_1	YUCARD	Mono 8
## GAATAAGAGTGTCTCA.1_1	YUCARD	CD4T 7
## GAATAAGCAATGGACG.1_1	YUCARD	CD4T 5
## GAATAAGTCACCTCGT.1_1	YUCARD	CD4T 7
## GAATAAGTCGGCCGAT.1_1	YUCARD	B 2
## GAATGAAAGTACGTTT.1_1	YUCARD	Mono 4
## GAATGAACAAGTTCTG.1_1	YUCARD	CD4T 7
## GAATGAAGTCACTTCC.1_1	YUCARD	TNKT 1
## GAATGAAGTTCTCATT.1_1	YUCARD	CD4T 4
## GAATGAAGTTGTTTGG.1_1	YUCARD	CD4T 6
## GAATGAATCAACACGT.1_1	YUCARD	B 2
## GAATGAATCACGAAGG.1_1	YUCARD	CD4T 2
## GACACGCAGAGCTTCT.1_1	YUCARD	DC 1
## GACACGCAGAGTAATC.1_1	YUCARD	CD4T 5
## GACACGCAGATCTGCT.1_1	YUCARD	Mono 9
## GACACGCAGTCTCCTC.1_1	YUCARD	CD4T 3
## GACACGCCAAGCGCTC.1_1	YUCARD	NK 2
## GACACGCCAATACGCT.1_1	YUCARD	CD4T 1
## GACACGCCAATGAAAC.1_1	YUCARD	CD4T 7
## GACACGCCACAGACAG.1_1	YUCARD	CD4T 1
## GACACGCCAGATGGCA.1_1	YUCARD	CD4T 1
## GACACGCGTAAACGCG.1_1	YUCARD	CD4T 6
## GACACGCGTCAGAATA.1_1	YUCARD	CD4T 2
## GACACGCGTTAGATGA.1_1	YUCARD	CD4T 6
## GACACGCGTCCCGAG.1_1	YUCARD	Mono 8
## GACACGCTCAAAGTAG.1_1	YUCARD	CD4T 1
## GACAGAGAGACAAGCC.1_1	YUCARD	CD4T 4
## GACAGAGAGTGTAACCT.1_1	YUCARD	CD4T 3
## GACAGAGCACCTGGTG.1_1	YUCARD	CD4T 1
## GACAGAGCACGGCCAT.1_1	YUCARD	NK 3
## GACAGAGGTACGCACC.1_1	YUCARD	NK 3
## GACAGAGGTAGAAAGG.1_1	YUCARD	CD4T 4
## GACAGAGGTTTGGCGC.1_1	YUCARD	Mono 4
## GACAGAGTCAGGCCCA.1_1	YUCARD	CD8T 1
## GACAGAGTCTAGCACA.1_1	YUCARD	CD8T 2

## GACAGAGTCTGCTGTC.1_1	YUCARD	Mono 4
## GACAGAGTCTGGCGAC.1_1	YUCARD	NK 3
## GACAGAGTCTTGCCGT.1_1	YUCARD	TNKT 1
## GACAGAGTCTTGTTTG.1_1	YUCARD	CD4T 1
## GACCAATAGACTTGAA.1_1	YUCARD	Mono 4
## GACCAATAGACTTTTCG.1_1	YUCARD	CD4T 2
## GACCAATAGCTAGCCC.1_1	YUCARD	Mono 2
## GACCAATAGTACTTGC.1_1	YUCARD	NK 2
## GACCAATAGTCGAGTG.1_1	YUCARD	CD4T 7
## GACCAATCACGAGAGT.1_1	YUCARD	CD4T 4
## GACCAATGTAGCCTCG.1_1	YUCARD	CD4T 7
## GACCAATGTATTCTGT.1_1	YUCARD	CD4T 5
## GACCAATGTCATCGGC.1_1	YUCARD	Mono 4
## GACCAATGTGAAATCA.1_1	YUCARD	B 2
## GACCAATGTGGTTTCA.1_1	YUCARD	TNKT 1
## GACCAATGTTTCCACC.1_1	YUCARD	CD4T 6
## GACCAATTCGAATGGG.1_1	YUCARD	Mono 5
## GACCAATTCTAGCACA.1_1	YUCARD	NK 3
## GACCTGGAGAGCTGCA.1_1	YUCARD	NK 2
## GACCTGGAGCCACTAT.1_1	YUCARD	NK 2
## GACCTGGAGCTAGCCC.1_1	YUCARD	CD4T 3
## GACCTGGCACATTCCA.1_1	YUCARD	DC 1
## GACCTGGCATCCGGGT.1_1	YUCARD	Mono 8
## GACCTGGGTAAAGGAG.1_1	YUCARD	CD4T 1
## GACCTGGGTCCGACGT.1_1	YUCARD	B 2
## GACCTGGGTCGACTGC.1_1	YUCARD	NK 3
## GACCTGGTCCGTACAA.1_1	YUCARD	CD4T 4
## GACCTGGTCCTTCAAT.1_1	YUCARD	CD4T 7
## GACCTGGTCTAACTTC.1_1	YUCARD	CD8T 2
## GACGCGTAGATCCTGT.1_1	YUCARD	CD4T 6
## GACGCGTCAATGTAAG.1_1	YUCARD	CD4T 4
## GACGCGTTCACCAGGC.1_1	YUCARD	CD4T 4
## GACGCGTTCATTATCC.1_1	YUCARD	NK 3
## GACGCGTTCACGCAG.1_1	YUCARD	Mono 5
## GACGGCTAGCACAGGT.1_1	YUCARD	Mono 4
## GACGGCTCACGGTAGA.1_1	YUCARD	B 2
## GACGGCTCAGATGAGC.1_1	YUCARD	Mono 7
## GACGGCTCAGTCTTCC.1_1	YUCARD	NK 1
## GACGGCTCATCACGTA.1_1	YUCARD	Mono 5
## GACGGCTGTGGAATCT.1_1	YUCARD	CD4T 3
## GACGGCTGTCCACGG.1_1	YUCARD	Mono 4
## GACGGCTTCCCTAACC.1_1	YUCARD	CD4T 4
## GACGGCTTCGTCCAGG.1_1	YUCARD	B 2
## GACGTGCAGGCCCTCA.1_1	YUCARD	Mono 2
## GACGTGCAGTAATCCC.1_1	YUCARD	Mono 1
## GACGTGCCAAACTGCT.1_1	YUCARD	Mono 4
## GACGTGCCAATAGCAA.1_1	YUCARD	CD4T 3
## GACGTGCCAATGGACG.1_1	YUCARD	Mono 5
## GACGTGCCACACATGT.1_1	YUCARD	B 2
## GACGTGCCACGAAGCA.1_1	YUCARD	B 2
## GACGTGCGTACTCAAC.1_1	YUCARD	Mono 2
## GACGTGCGTCAAACCTC.1_1	YUCARD	B 2
## GACGTGCGTGGGTCAA.1_1	YUCARD	NK 1
## GACGTGCTCCTTTCTC.1_1	YUCARD	CD4T 4

## GACGTGCTCGGAATCT.1_1	YUCARD	CD8T 1
## GACGTTAAGATCTGAA.1_1	YUCARD	CD4T 2
## GACGTTAAGATGGGTC.1_1	YUCARD	CD4T 2
## GACGTTAAGCTAAACA.1_1	YUCARD	B 2
## GACGTTAAGTACTTGC.1_1	YUCARD	CD4T 6
## GACGTTAGTAGCCTAT.1_1	YUCARD	NK 3
## GACGTTAGTCGAAAGC.1_1	YUCARD	CD4T 1
## GACGTTATCAATCTCT.1_1	YUCARD	CD4T 2
## GACGTTATCCAAACTG.1_1	YUCARD	Mono 4
## GACGTTATCTGTCCGT.1_1	YUCARD	Mono 9
## GACGTTATCTTTAGGG.1_1	YUCARD	TNKT 1
## GACTAACAGCGTAGTG.1_1	YUCARD	NK 3
## GACTAACCAACGATCT.1_1	YUCARD	Mono 4
## GACTAACCAACCATGTA.1_1	YUCARD	CD4T 1
## GACTAACCAAGACGCAA.1_1	YUCARD	Mono 8
## GACTAACGTACTCGCG.1_1	YUCARD	Mono 4
## GACTAACGTAGCTAAA.1_1	YUCARD	CD4T 1
## GACTAACGTCCGTAA.1_1	YUCARD	Mono 4
## GACTAACGTGCTGTAT.1_1	YUCARD	CD4T 3
## GACTAACGTGTGAAAT.1_1	YUCARD	CD4T 4
## GACTAACGTTGGTGGA.1_1	YUCARD	TNKT 1
## GACTAACTCAAACCGT.1_1	YUCARD	TNKT 1
## GACTAACTCGAGCCCA.1_1	YUCARD	Mono 5
## GACTACAAGCATGGCA.1_1	YUCARD	CD4T 3
## GACTACAAGGCATGGT.1_1	YUCARD	Mono 1
## GACTACACACAGACAG.1_1	YUCARD	B 2
## GACTACAGTTTGTGTG.1_1	YUCARD	CD4T 1
## GACTGCGAGGCGTACA.1_1	YUCARD	Mono 8
## GACTGCGCACGGCCAT.1_1	YUCARD	CD8T 3
## GACTGCGCAGCCACCA.1_1	YUCARD	B 2
## GACTGCGCAGCCTGTG.1_1	YUCARD	Mono 4
## GACTGCGCATAGTAAG.1_1	YUCARD	B 2
## GACTGCGCATGCTAGT.1_1	YUCARD	CD4T 6
## GACTGCGGTGATGTGG.1_1	YUCARD	NK 3
## GACTGCGGTTCTGTTT.1_1	YUCARD	TNKT 1
## GACTGCGGTTGTGGAG.1_1	YUCARD	CD8T 3
## GACTGCGGTTTGACAC.1_1	YUCARD	Mono 5
## GACTGCGTCTGGTGTA.1_1	YUCARD	Mono 8
## GAGCAGAAGAAGGGTA.1_1	YUCARD	CD8T 3
## GAGCAGAAGATCCGAG.1_1	YUCARD	CD4T 4
## GAGCAGAAGCCACGTC.1_1	YUCARD	Mono 4
## GAGCAGAAGCGATCCC.1_1	YUCARD	CD4T 4
## GAGCAGAAGGAGTTTA.1_1	YUCARD	Mono 4
## GAGCAGACAAGTTCTG.1_1	YUCARD	NK 1
## GAGCAGACAGCGTAAG.1_1	YUCARD	Mono 7
## GAGCAGACAGTATAAG.1_1	YUCARD	CD8T 2
## GAGCAGAGTATAGGTA.1_1	YUCARD	CD8T 1
## GAGCAGAGTCCCTACT.1_1	YUCARD	TNKT 1
## GAGCAGAGTGATAAAC.1_1	YUCARD	CD4T 4
## GAGCAGATCGAACTGT.1_1	YUCARD	CD4T 4
## GAGGTGAAGACATAAC.1_1	YUCARD	CD4T 7
## GAGGTGAAGACGCACA.1_1	YUCARD	DC 1
## GAGGTGAAGCAGCGTA.1_1	YUCARD	CD4T 5
## GAGGTGAAGTGACTCT.1_1	YUCARD	Mono 3

## GAGGTGACAGATCCAT.1_1	YUCARD	CD4T 1
## GAGGTGACAGATGAGC.1_1	YUCARD	Mono 1
## GAGGTGACATCTGGTA.1_1	YUCARD	CD8T 2
## GAGGTGAGTAGTACCT.1_1	YUCARD	B 2
## GAGGTGATCACCTCA.1_1	YUCARD	CD4T 4
## GAGTCCGAGAGCTATA.1_1	YUCARD	CD4T 1
## GAGTCCGAGTGAAGTT.1_1	YUCARD	NK 3
## GAGTCCGCATACCATG.1_1	YUCARD	CD4T 2
## GAGTCCGGTAAGAGAG.1_1	YUCARD	TNKT 1
## GAGTCCGGTACGACCC.1_1	YUCARD	CD8T 1
## GAGTCCGTCTAACTGG.1_1	YUCARD	Mono 1
## GAGTCCGTCTTGAGAC.1_1	YUCARD	CD4T 1
## GATCAGTAGGACATTA.1_1	YUCARD	Mono 5
## GATCAGTAGGATGCGT.1_1	YUCARD	B 2
## GATCAGTAGGCGATAC.1_1	YUCARD	CD4T 7
## GATCAGTAGGCTCTTA.1_1	YUCARD	Mono 4
## GATCAGTCAACACCCG.1_1	YUCARD	CD8T 1
## GATCAGTCAACACGCC.1_1	YUCARD	CD4T 1
## GATCAGTCACCGAAAG.1_1	YUCARD	NK 2
## GATCAGTCACTGTCCG.1_1	YUCARD	Mono 2
## GATCAGTCAGCGATCC.1_1	YUCARD	NK 3
## GATCAGTCATAAAGGT.1_1	YUCARD	B 2
## GATCAGTGTCGATTGT.1_1	YUCARD	NK 2
## GATCAGTGTTATCGGT.1_1	YUCARD	TNKT 1
## GATCAGTGTTGATTGC.1_1	YUCARD	Mono 4
## GATCAGTTCTTTAGGG.1_1	YUCARD	Mono 5
## GATCGATAGCTCCTCT.1_1	YUCARD	Mono 1
## GATCGATAGGAGTCTG.1_1	YUCARD	Mono 8
## GATCGATCAGTTTACG.1_1	YUCARD	Mono 2
## GATCGATCATCCTTGC.1_1	YUCARD	CD4T 7
## GATCGATGTCTGCCAG.1_1	YUCARD	Mono 4
## GATCGATGTCTGGAGA.1_1	YUCARD	B 2
## GATCGATGTTCCACTC.1_1	YUCARD	Mono 5
## GATCGATTACGACTA.1_1	YUCARD	NK 4
## GATCGATTGAGCCCA.1_1	YUCARD	Mono 8
## GATCGCGAGGACATTA.1_1	YUCARD	TNKT 1
## GATCGCGTCGGCTACG.1_1	YUCARD	CD4T 1
## GATCGCGTCTGTCTCG.1_1	YUCARD	TNKT 1
## GATCGTAAGAGACTTA.1_1	YUCARD	Mono 7
## GATCGTAAGAGTCTGG.1_1	YUCARD	Mono 1
## GATCGTAAGCTAACTC.1_1	YUCARD	Mono 8
## GATCGTAAGGCAATTA.1_1	YUCARD	CD8T 2
## GATCGTAAGGGTCTCC.1_1	YUCARD	Mono 9
## GATCGTAAGTGTTTGC.1_1	YUCARD	Mono 5
## GATCGTACAGCCTGTG.1_1	YUCARD	CD4T 2
## GATCGTACAGCTCGCA.1_1	YUCARD	Mono 5
## GATCGTACAGGCTGAA.1_1	YUCARD	TNKT 2
## GATCGTAGTAATCGTC.1_1	YUCARD	Mono 8
## GATCGTAGTATAGGTA.1_1	YUCARD	CD4T 2
## GATCGTATCAGAGCTT.1_1	YUCARD	Mono 7
## GATCGTATCCCAGGTG.1_1	YUCARD	TNKT 1
## GATCGTATCGGATGGA.1_1	YUCARD	CD4T 1
## GATCTAGAGGACAGCT.1_1	YUCARD	CD4T 6
## GATCTAGAGTTTAGGA.1_1	YUCARD	TNKT 1

## GATCTAGCAAAGTCAA.1_1	YUCARD	CD4T 3
## GATCTAGCACATTCTGA.1_1	YUCARD	Mono 4
## GATCTAGGTCCCTACT.1_1	YUCARD	TNKT 1
## GATCTAGGTGAGGCTA.1_1	YUCARD	Mono 2
## GATCTAGGTGATGTCT.1_1	YUCARD	Mono 7
## GATCTAGTCAGATAAG.1_1	YUCARD	Mono 4
## GATCTAGTCTCATTCA.1_1	YUCARD	Mono 4
## GATGAAAAGAAGGCCT.1_1	YUCARD	CD4T 1
## GATGAAAAGCAGGTCA.1_1	YUCARD	Mono 4
## GATGAAAAGGGAAACA.1_1	YUCARD	Mono 4
## GATGAAACACTGAAGG.1_1	YUCARD	Mono 4
## GATGAAAGTGAGGGAG.1_1	YUCARD	Mono 1
## GATGAAAGTTGTTTGG.1_1	YUCARD	CD4T 1
## GATGAAATCGAGAACG.1_1	YUCARD	B 2
## GATGAGGCAGGCAGTA.1_1	YUCARD	NK 2
## GATGAGGCAGTCCTTC.1_1	YUCARD	CD4T 2
## GATGAGGCATTTGCC.1_1	YUCARD	CD8T 1
## GATGAGGGTAAAGTCA.1_1	YUCARD	Mono 4
## GATGAGGGTCTGCCAG.1_1	YUCARD	B 2
## GATGAGGTCCTCTAGC.1_1	YUCARD	CD4T 5
## GATGCTAAGGTTCTTA.1_1	YUCARD	CD4T 6
## GATGCTACAATGTAAG.1_1	YUCARD	Mono 3
## GATGCTACACAAGTGT.1_1	YUCARD	Mono 8
## GATGCTACATGAGCGA.1_1	YUCARD	B 2
## GATGCTAGTCAAGTGT.1_1	YUCARD	CD4T 3
## GATGCTAGTCTCATCC.1_1	YUCARD	CD4T 1
## GATGCTAGTGAGGCTA.1_1	YUCARD	CD4T 4
## GATGCTAGTGGACGAT.1_1	YUCARD	Mono 4
## GATGCTATCATAGCAC.1_1	YUCARD	Mono 4
## GATGCTATCCGCATAA.1_1	YUCARD	CD4T 1
## GATGCTATCCGTACAA.1_1	YUCARD	CD4T 7
## GATGCTATCCTTTACA.1_1	YUCARD	B 3
## GATGCTATCTGAGTGT.1_1	YUCARD	CD4T 3
## GATTCAGAGTTCGATC.1_1	YUCARD	CD4T 1
## GATTCAGCAAGTCATC.1_1	YUCARD	CD8T 3
## GATTCAGCACGGTAGA.1_1	YUCARD	Mono 4
## GATTCAGCAGCAGTTT.1_1	YUCARD	Mono 9
## GATTCAGGTCGAAAGC.1_1	YUCARD	CD4T 2
## GATTCAGTCAACCAAC.1_1	YUCARD	DC 1
## GATTCAGTCCCAAGAT.1_1	YUCARD	CD4T 7
## GATTCAGTCCCATTTA.1_1	YUCARD	DC 1
## GATTCAGTCTGCGACG.1_1	YUCARD	Mono 8
## GCAAACTCATAGGATA.1_1	YUCARD	Mono 2
## GCAAACTTCCAAAGTC.1_1	YUCARD	CD4T 6
## GCAAACTTCTATCCCG.1_1	YUCARD	Mono 9
## GCAATCACAAACTGCT.1_1	YUCARD	NK 3
## GCAATCACACGACGAA.1_1	YUCARD	Mono 7
## GCAATCAGTCGCCATG.1_1	YUCARD	Mono 3
## GCAATCATCGCCAGCA.1_1	YUCARD	B 2
## GCAATCATCTGCGTAA.1_1	YUCARD	B 3
## GCACATAAGAGCAATT.1_1	YUCARD	Mono 4
## GCACATACAGATGAGC.1_1	YUCARD	CD4T 2
## GCACATACAGGCTGAA.1_1	YUCARD	CD4T 2
## GCACATAGTAGAGCTG.1_1	YUCARD	Mono 7

## GCACATATCGTCCGTT.1_1	YUCARD	CD8T 1
## GCACTCTAGAAACCTA.1_1	YUCARD	CD4T 4
## GCACTCTAGACACGAC.1_1	YUCARD	CD4T 2
## GCACTCTAGCAGGTCA.1_1	YUCARD	CD4T 4
## GCACTCTAGGACAGCT.1_1	YUCARD	NK 2
## GCACTCTCAAGCGAGT.1_1	YUCARD	Mono 2
## GCACTCTCACCAGATT.1_1	YUCARD	NK 4
## GCACTCTCACGGTAAG.1_1	YUCARD	B 2
## GCACTCTGTGGCCCTA.1_1	YUCARD	NK 2
## GCACTCTGTTACGCGC.1_1	YUCARD	CD4T 2
## GCACTCTTCAACCATG.1_1	YUCARD	CD4T 3
## GCACTCTTCGGAGGTA.1_1	YUCARD	CD4T 4
## GCAGCCAAGCCCTAAT.1_1	YUCARD	Mono 4
## GCAGCCAAGCTTCGCG.1_1	YUCARD	TNKT 1
## GCAGCCAAGTGAACAT.1_1	YUCARD	B 1
## GCAGCCACAAGCCGCT.1_1	YUCARD	Mono 4
## GCAGCCACACTGTGTA.1_1	YUCARD	Mono 2
## GCAGCCACAGGTTTCA.1_1	YUCARD	Mono 2
## GCAGCCACATGCAACT.1_1	YUCARD	Mono 7
## GCAGCCACATTCCTGC.1_1	YUCARD	Mono 3
## GCAGCCAGTTCACGG.1_1	YUCARD	NK 2
## GCAGCCATCTATCGCC.1_1	YUCARD	B 4
## GCAGCCATCTTTAGTC.1_1	YUCARD	NK 3
## GCAGTTAAGAGGTTAT.1_1	YUCARD	Mono 1
## GCAGTTAAGATGCCTT.1_1	YUCARD	TNKT 1
## GCAGTTAAGCTACCGC.1_1	YUCARD	CD4T 1
## GCAGTTAGTATTACCG.1_1	YUCARD	Mono 8
## GCAGTTATCAGCATGT.1_1	YUCARD	Mono 4
## GCATACAAGATAGTCA.1_1	YUCARD	Mono 2
## GCATACAAGATGGGTC.1_1	YUCARD	Mono 5
## GCATACACAGCCACCA.1_1	YUCARD	CD4T 2
## GCATACACATTAGCCA.1_1	YUCARD	CD4T 1
## GCATACACATTGGTAC.1_1	YUCARD	CD4T 2
## GCATACAGTGAGGGTT.1_1	YUCARD	CD4T 3
## GCATACAGTTACGACT.1_1	YUCARD	Mono 4
## GCATACATCAAACCCAC.1_1	YUCARD	Mono 8
## GCATACATCAAACGGG.1_1	YUCARD	CD4T 1
## GCATGATAGCGAAGGG.1_1	YUCARD	Mono 7
## GCATGATAGGCCATAG.1_1	YUCARD	NK 3
## GCATGATCACATTCTGA.1_1	YUCARD	NK 4
## GCATGATCACCGGAAA.1_1	YUCARD	Mono 8
## GCATGATCAGTATCTG.1_1	YUCARD	TNKT 1
## GCATGATCATTATCTC.1_1	YUCARD	TNKT 1
## GCATGATCATTGAGCT.1_1	YUCARD	B 2
## GCATGATGTGATAAGT.1_1	YUCARD	CD4T 2
## GCATGATGTTCTGAAC.1_1	YUCARD	Mono 4
## GCATGATTCAACACAC.1_1	YUCARD	CD4T 2
## GCATGATTCTCGATGA.1_1	YUCARD	Mono 9
## GCATGCGGTGACAAAT.1_1	YUCARD	Mono 8
## GCATGCGGTTAAGTAG.1_1	YUCARD	Mono 5
## GCATGCGGTTGTGGCC.1_1	YUCARD	Mono 8
## GCATGCGTCAAAGACA.1_1	YUCARD	Mono 1
## GCATGCGTCACTTATC.1_1	YUCARD	CD4T 4
## GCATGCGTCGAGAACG.1_1	YUCARD	CD4T 2

## GCATGTAAGACCACGA.1_1	YUCARD	CD4T 1
## GCATGTAAGATGTTAG.1_1	YUCARD	NK 3
## GCATGTAAGGGCTTGA.1_1	YUCARD	Mono 4
## GCATGTACAAATACAG.1_1	YUCARD	B 2
## GCATGTACAAGTTCTG.1_1	YUCARD	CD4T 5
## GCATGTACAGGGTTAG.1_1	YUCARD	Mono 1
## GCATGTAGTACAGCAG.1_1	YUCARD	TNKT 2
## GCATGTAGTCTTCAAG.1_1	YUCARD	CD4T 6
## GCATGTAGTGCCTGGT.1_1	YUCARD	B 3
## GCCAAATAGAAAGTGG.1_1	YUCARD	CD4T 2
## GCCAAATAGCAATCTC.1_1	YUCARD	CD8T 2
## GCCAAATAGTTGTCTG.1_1	YUCARD	Mono 4
## GCCAAATCAATCTGCA.1_1	YUCARD	B 2
## GCCAAATCAGCTGTTA.1_1	YUCARD	B 2
## GCCAAATCATCGGTGA.1_1	YUCARD	NK 1
## GCCAAATCATCTCCCA.1_1	YUCARD	CD4T 1
## GCCAAATCATGAAGTA.1_1	YUCARD	Mono 4
## GCCAAATCATGCTGGC.1_1	YUCARD	DC 1
## GCCAAATCATGTAAGA.1_1	YUCARD	Mono 5
## GCCAAATCATTTCACT.1_1	YUCARD	CD4T 1
## GCCAAATGTCCGCTGA.1_1	YUCARD	CD4T 3
## GCCAAATGTCTGCAAT.1_1	YUCARD	Mono 8
## GCCAAATGTGAAGGCT.1_1	YUCARD	CD4T 4
## GCCAAATGTGGGTATG.1_1	YUCARD	B 2
## GCCAAATGTTCCATGA.1_1	YUCARD	TNKT 2
## GCCAAATTCCTGTACC.1_1	YUCARD	CD4T 4
## GCCTCTACACTCAGGC.1_1	YUCARD	B 2
## GCCTCTACATCGATGT.1_1	YUCARD	Mono 2
## GCCTCTATCCAAAGTC.1_1	YUCARD	B 2
## GCGACCAAGCTGCGAA.1_1	YUCARD	NK 3
## GCGACCACAATCGAAA.1_1	YUCARD	CD4T 3
## GCGACCACACTATCTT.1_1	YUCARD	CD4T 2
## GCGACCACACTGTGTA.1_1	YUCARD	Mono 7
## GCGACCACAGAGTGTG.1_1	YUCARD	Mono 9
## GCGACCACATGTCTCC.1_1	YUCARD	Mono 7
## GCGACCAGTAAGCACG.1_1	YUCARD	CD4T 2
## GCGACCAGTCCGTAA.1_1	YUCARD	Mono 5
## GCGACCAGTGTGCTG.1_1	YUCARD	Mono 5
## GCGACCAGTTGCGTTA.1_1	YUCARD	Mono 8
## GCGAGAAAGCAGACTG.1_1	YUCARD	Mono 5
## GCGAGAAAGGTGACCA.1_1	YUCARD	CD4T 2
## GCGAGAACAAATGGACG.1_1	YUCARD	Mono 2
## GCGAGAACACCGAAAAG.1_1	YUCARD	Mono 4
## GCGAGAAAGTGACAAAT.1_1	YUCARD	CD4T 1
## GCGAGAAAGTGTGAGG.1_1	YUCARD	Mono 3
## GCGAGAAAGTTCATGGT.1_1	YUCARD	B 2
## GCGAGAAATCCAACTG.1_1	YUCARD	TNKT 2
## GCGAGAAATCTAACTCT.1_1	YUCARD	Mono 4
## GCGCAACAGGCTAGCA.1_1	YUCARD	B 2
## GCGCAACAGTACGACG.1_1	YUCARD	Mono 8
## GCGCAACCAAGAAGAG.1_1	YUCARD	Mono 4
## GCGCAACCATCCAA.1_1	YUCARD	Mono 4
## GCGCAACCATGAGCGA.1_1	YUCARD	B 2
## GCGCAACGTAGATTAG.1_1	YUCARD	Mono 5

## GCGCAACGTCTAAAGA.1_1	YUCARD	NK 3
## GCGCAACGTTACGCGC.1_1	YUCARD	Mono 1
## GCGCAACTCACGATGT.1_1	YUCARD	Mono 1
## GCGCAACTCGGTTCGG.1_1	YUCARD	CD4T 4
## GCGCAACTCTCGCTTG.1_1	YUCARD	B 2
## GCGCAGTAGACAAGCC.1_1	YUCARD	CD4T 2
## GCGCAGTAGAGGTACC.1_1	YUCARD	CD4T 1
## GCGCAGTAGGGCATGT.1_1	YUCARD	Mono 4
## GCGCAGTAGTAGCCGA.1_1	YUCARD	CD4T 1
## GCGCAGTAGTAGGTGC.1_1	YUCARD	Mono 9
## GCGCAGTCACATTTCT.1_1	YUCARD	B 2
## GCGCAGTCACCTATCC.1_1	YUCARD	Mono 4
## GCGCAGTCAGACGCCT.1_1	YUCARD	CD4T 5
## GCGCAGTCAGCGATCC.1_1	YUCARD	CD4T 2
## GCGCAGTCATATACCG.1_1	YUCARD	TNKT 1
## GCGCAGTCATGAGCGA.1_1	YUCARD	CD4T 2
## GCGCAGTGTAATGTG.1_1	YUCARD	Mono 2
## GCGCAGTGTAACGTTC.1_1	YUCARD	CD4T 1
## GCGCAGTTCACCGTAA.1_1	YUCARD	Mono 4
## GCGCAGTTCGACAGCC.1_1	YUCARD	CD4T 1
## GCGCCAAAGCTTTGGT.1_1	YUCARD	CD4T 2
## GCGCCAAAGTCGAGTG.1_1	YUCARD	CD4T 4
## GCGCCAACATCGGACC.1_1	YUCARD	CD4T 6
## GCGCCAAGTAAGTTCC.1_1	YUCARD	CD4T 7
## GCGCCAAGTACCGCTG.1_1	YUCARD	CD4T 3
## GCGCCAAGTGCGCTTG.1_1	YUCARD	Mono 2
## GCGCCAAGTGTTGAGG.1_1	YUCARD	CD8T 2
## GCGCCAATCACGATGT.1_1	YUCARD	Mono 7
## GCGCGATAGAAGGTGA.1_1	YUCARD	Mono 4
## GCGCGATAGAGTGACC.1_1	YUCARD	CD4T 1
## GCGCGATAGCTACCTA.1_1	YUCARD	CD4T 7
## GCGCGATCACAAGTAA.1_1	YUCARD	Mono 1
## GCGCGATCAGCCACCA.1_1	YUCARD	B 2
## GCGCGATCAGTGACAG.1_1	YUCARD	Mono 5
## GCGCGATGTCACTTCC.1_1	YUCARD	CD4T 5
## GCGCGATGTGATGATA.1_1	YUCARD	CD8T 2
## GCGCGATGTGGCGAAT.1_1	YUCARD	CD4T 1
## GCGCGATGTTAAGATG.1_1	YUCARD	Mono 4
## GCGCGATTACCTTAT.1_1	YUCARD	Mono 1
## GCGCGATTATCTGTT.1_1	YUCARD	CD4T 5
## GCGCGATTCCCTAACC.1_1	YUCARD	CD4T 7
## GCGCGATTGCTTGTC.1_1	YUCARD	Mono 9
## GCGCGATTCTAACTCT.1_1	YUCARD	NK 2
## GCGCGATTCTCGCATC.1_1	YUCARD	Mono 4
## GCGCGATTCTGTCTAT.1_1	YUCARD	Mono 2
## GCGGGTTAGACGCTTT.1_1	YUCARD	Mono 5
## GCGGGTTAGATGGGTC.1_1	YUCARD	Mono 4
## GCGGGTTGTCATTAGC.1_1	YUCARD	TNKT 1
## GCGGGTTGTCTGATCA.1_1	YUCARD	CD8T 1
## GCGGGTTTCAGCGACC.1_1	YUCARD	CD4T 4
## GCGGGTTTCTCCAGGG.1_1	YUCARD	Mono 5
## GCGGGTTTCTCTAGGA.1_1	YUCARD	CD4T 5
## GCTCCTAAGGTGATAT.1_1	YUCARD	CD4T 1
## GCTCCTACACAGCGTC.1_1	YUCARD	CD4T 3

## GCTCCTACACATGGGA.1_1	YUCARD	NK 1
## GCTCCTACATTGTGCA.1_1	YUCARD	Mono 5
## GCTCCTAGTCATATGC.1_1	YUCARD	CD4T 1
## GCTCCTAGTCTCTCTG.1_1	YUCARD	NK 2
## GCTCCTAGTGAGCGAT.1_1	YUCARD	CD4T 7
## GCTCCTAGTGCACTTA.1_1	YUCARD	Mono 4
## GCTCCTAGTTCCTCCA.1_1	YUCARD	B 2
## GCTCCTATCACCGGGT.1_1	YUCARD	CD8T 1
## GCTCCTATCGGATGGA.1_1	YUCARD	Mono 5
## GCTCTGTAGAGCAATT.1_1	YUCARD	CD4T 2
## GCTCTGTAGCCCAACC.1_1	YUCARD	Mono 2
## GCTCTGTCAAACCTGTC.1_1	YUCARD	CD4T 7
## GCTCTGTCACACGCTG.1_1	YUCARD	CD4T 2
## GCTCTGTCACTTAAGC.1_1	YUCARD	Mono 4
## GCTCTGTCAGCTCCGA.1_1	YUCARD	TNKT 1
## GCTCTGTGTCTGGAGA.1_1	YUCARD	CD4T 4
## GCTCTGTGTGAAATCA.1_1	YUCARD	Mono 4
## GCTCTGTTCTATGTGG.1_1	YUCARD	Mono 9
## GCTCTGTTCTCCAGGG.1_1	YUCARD	CD4T 2
## GCTGCAGAGCACCGCT.1_1	YUCARD	TNKT 2
## GCTGCAGCAATCGGTT.1_1	YUCARD	Mono 7
## GCTGCAGCACAACTGT.1_1	YUCARD	Mono 4
## GCTGCAGCAGGATTGG.1_1	YUCARD	Mono 7
## GCTGCAGGTACTTCTT.1_1	YUCARD	Mono 8
## GCTGCAGGTCTAAAGA.1_1	YUCARD	Mono 4
## GCTGCAGTCGCTGATA.1_1	YUCARD	CD4T 1
## GCTGCGACACGGTAAG.1_1	YUCARD	Mono 2
## GCTGCTTAGAAAACCAT.1_1	YUCARD	Mono 3
## GCTGCTTAGAGTGACC.1_1	YUCARD	CD4T 3
## GCTGCTTAGCAATCTC.1_1	YUCARD	NK 2
## GCTGCTTAGGCGACAT.1_1	YUCARD	CD4T 4
## GCTGCTTAGTCAATAG.1_1	YUCARD	NK 3
## GCTGCTTCAGTAAGAT.1_1	YUCARD	NK 1
## GCTGCTTTCAACACCA.1_1	YUCARD	Mono 8
## GCTGCTTTTCATCTGTT.1_1	YUCARD	Mono 1
## GCTGGGTAGACCCACC.1_1	YUCARD	B 2
## GCTGGGTGTAGAGCTG.1_1	YUCARD	Mono 7
## GCTGGGTGTCCCTACT.1_1	YUCARD	B 1
## GCTGGGTGTGAGATG.1_1	YUCARD	Mono 9
## GCTGGGTTCACTCCTG.1_1	YUCARD	NK 1
## GCTGGGTTCAGTGTTG.1_1	YUCARD	Mono 2
## GCTGGGTTCCTCATT.1_1	YUCARD	TNKT 1
## GCTTCCAAGATCACGG.1_1	YUCARD	TNKT 2
## GCTTCCAAGGCTCAGA.1_1	YUCARD	Mono 5
## GCTTCCAAGGTGCACA.1_1	YUCARD	CD4T 7
## GCTTCCAAGTCCGGTC.1_1	YUCARD	Mono 5
## GCTTCCACACAGGCCT.1_1	YUCARD	CD8T 1
## GCTTCCACATCTCGCT.1_1	YUCARD	CD4T 2
## GCTTCCACATGTCGAT.1_1	YUCARD	NK 1
## GCTTCCACATTGGCGC.1_1	YUCARD	CD4T 3
## GCTTCCATCCGGGTGT.1_1	YUCARD	CD4T 4
## GCTTCCATCTATCCTA.1_1	YUCARD	Mono 7
## GCTTGAAAGCCACGTC.1_1	YUCARD	Mono 7
## GCTTGAAAGGCATGTG.1_1	YUCARD	Mono 5

## GCTTGAACAGGCTCAC.1_1	YUCARD	Mono 4
## GCTTGAACATATGAGA.1_1	YUCARD	Mono 1
## GCTTGAAGTCACTGGC.1_1	YUCARD	Mono 1
## GCTTGAAGTGCAACGA.1_1	YUCARD	NK 1
## GCTTGAATCACCTCGT.1_1	YUCARD	Mono 7
## GCTTGAATCAGGCAAG.1_1	YUCARD	Mono 4
## GCTTGAATCAGTCCCT.1_1	YUCARD	Mono 2
## GCTTGAATCCAAGCCG.1_1	YUCARD	Mono 4
## GCTTGAATCGTTGACA.1_1	YUCARD	B 2
## GCTTGAATCTACTATC.1_1	YUCARD	Mono 2
## GGAAAGCAGGCCCTTG.1_1	YUCARD	NK 2
## GGAAAGCAGGGTGTGT.1_1	YUCARD	CD4T 1
## GGAAAGCCAACGCACC.1_1	YUCARD	CD4T 1
## GGAAAGCCAAGGACAC.1_1	YUCARD	CD4T 1
## GGAAAGCCAATGGACG.1_1	YUCARD	Mono 5
## GGAAAGCCATTACGAC.1_1	YUCARD	CD4T 4
## GGAAAGCTCCGGTGT.1_1	YUCARD	CD4T 3
## GGAAAGCTCTCCCTGA.1_1	YUCARD	Mono 7
## GGAACCTTAGACAAGCC.1_1	YUCARD	Mono 2
## GGAACCTTAGGAGTTGC.1_1	YUCARD	NK 3
## GGAACCTTAGGATCGCA.1_1	YUCARD	Mono 4
## GGAACCTTCACCGCTAG.1_1	YUCARD	Mono 4
## GGAACCTTCAGCGTCCA.1_1	YUCARD	NK 3
## GGAACCTTCATTACCTT.1_1	YUCARD	NK 2
## GGAACCTTGCTGGTGC.1_1	YUCARD	CD4T 7
## GGAACCTTTCAGCCTAA.1_1	YUCARD	Mono 4
## GGAACCTTTCCAACCAA.1_1	YUCARD	B 3
## GGAACCTTTCCTCAATT.1_1	YUCARD	CD4T 7
## GGAATAAAGAGACGAA.1_1	YUCARD	CD4T 4
## GGAATAAAGTGAAGTT.1_1	YUCARD	CD4T 1
## GGAATAACAAAGAATC.1_1	YUCARD	CD4T 2
## GGAATAAGTACGCACC.1_1	YUCARD	CD4T 4
## GGAATAAGTCTCAACA.1_1	YUCARD	CD8T 3
## GGAATAAGTGAAAGAG.1_1	YUCARD	CD4T 5
## GGAATAAGTGCCTGGT.1_1	YUCARD	Mono 8
## GGAATAAGTTGTGGAG.1_1	YUCARD	Mono 8
## GGAATAATCGGAAACG.1_1	YUCARD	CD4T 7
## GGAATAATCGGCGGTT.1_1	YUCARD	CD4T 5
## GGACAAGAGACTACAA.1_1	YUCARD	CD4T 1
## GGACAAGAGTAGGTGC.1_1	YUCARD	CD4T 1
## GGACAAGCAGACTCGC.1_1	YUCARD	NK 1
## GGACAAGCAGCTGCTG.1_1	YUCARD	CD4T 2
## GGACAAGGTATATCCG.1_1	YUCARD	CD4T 1
## GGACAAGGTCCATGAT.1_1	YUCARD	Mono 4
## GGACAAGTCCGTTGTC.1_1	YUCARD	CD4T 1
## GGACAAGTCCTATGTT.1_1	YUCARD	CD4T 4
## GGACAAGTCGCCGTGA.1_1	YUCARD	CD4T 1
## GGACAAGTCTGCTGCT.1_1	YUCARD	CD4T 1
## GGACAGAAGTACGTAA.1_1	YUCARD	CD4T 6
## GGACAGAAGTACGTTC.1_1	YUCARD	CD8T 3
## GGACAGACAATGTAAG.1_1	YUCARD	CD4T 7
## GGACAGAGTCTCCCTA.1_1	YUCARD	CD4T 3
## GGACAGATCAACACAC.1_1	YUCARD	CD4T 6
## GGACAGATCAATACCG.1_1	YUCARD	B 2

## GGACATTAGATACACA.1_1	YUCARD	CD8T 2
## GGACATTAGATGGGTC.1_1	YUCARD	Mono 9
## GGACATTAGCTGCGAA.1_1	YUCARD	CD4T 1
## GGACATTAGTTCGATC.1_1	YUCARD	Mono 8
## GGACATTCAAGGACTG.1_1	YUCARD	CD4T 6
## GGACATTGTAGGACAC.1_1	YUCARD	Mono 1
## GGACATTGTGAGGCTA.1_1	YUCARD	CD8T 3
## GGACATTGTGGTCCGT.1_1	YUCARD	CD4T 1
## GGACATTGTTAAAGTG.1_1	YUCARD	Mono 9
## GGACATTTCAACACTG.1_1	YUCARD	Mono 7
## GGACATTTCACTTATC.1_1	YUCARD	Mono 8
## GGACGTCAGAAACCTA.1_1	YUCARD	Mono 1
## GGACGTCAGTACGCGA.1_1	YUCARD	DC 1
## GGACGTCAGTGACTC.1_1	YUCARD	TNKT 2
## GGACGTCCACTTCGAA.1_1	YUCARD	CD4T 1
## GGACGTTCGTAGCCTAT.1_1	YUCARD	CD4T 4
## GGACGTCTCTCGTTC.1_1	YUCARD	CD8T 1
## GGACGTCTCTACTTAC.1_1	YUCARD	CD4T 4
## GGACGTCTCTCCAGGG.1_1	YUCARD	CD4T 1
## GGAGCAAAGCCGTCGT.1_1	YUCARD	CD4T 4
## GGAGCAAAGCGGCTTC.1_1	YUCARD	CD8T 3
## GGAGCAAAGCTGAACG.1_1	YUCARD	Mono 8
## GGAGCAACAAGCCGCT.1_1	YUCARD	CD4T 1
## GGAGCAACACCAACCG.1_1	YUCARD	B 2
## GGAGCAACAGTAAGCG.1_1	YUCARD	CD4T 7
## GGAGCAACAGTTAACC.1_1	YUCARD	CD4T 4
## GGAGCAACATCCGCGA.1_1	YUCARD	B 2
## GGAGCAACATTCCTGC.1_1	YUCARD	B 2
## GGAGCAAGTACCGTTA.1_1	YUCARD	Mono 3
## GGAGCAAGTATTCGTG.1_1	YUCARD	CD4T 2
## GGAGCAAGTGTTAAGA.1_1	YUCARD	TNKT 1
## GGAGCAAGTTCATGA.1_1	YUCARD	Mono 4
## GGAGCAATCAAACCAC.1_1	YUCARD	CD8T 3
## GGAGCAATCAGGCGAA.1_1	YUCARD	Mono 8
## GGAGCAATCATCTGTT.1_1	YUCARD	Mono 5
## GGATGTTAGACATAAC.1_1	YUCARD	CD4T 6
## GGATGTTAGCTAACAA.1_1	YUCARD	B 2
## GGATGTTAGTAAGTAC.1_1	YUCARD	Mono 8
## GGATGTTAGTACATGA.1_1	YUCARD	TNKT 1
## GGATGTTAGTGTCAT.1_1	YUCARD	Mono 3
## GGATGTTCACTATCTT.1_1	YUCARD	Mono 5
## GGATGTTGTAAGAGAG.1_1	YUCARD	CD8T 3
## GGATGTTGTCAGCTAT.1_1	YUCARD	TNKT 1
## GGATGTTGTTTCATGGT.1_1	YUCARD	Mono 5
## GGATGTTTCCCTAACC.1_1	YUCARD	CD4T 1
## GGATGTTTCTGCAAGT.1_1	YUCARD	CD4T 6
## GGATGTTTCTTCGAGA.1_1	YUCARD	CD4T 1
## GGATTACAGAGCTGCA.1_1	YUCARD	CD4T 1
## GGATTACAGTTATCGC.1_1	YUCARD	Mono 7
## GGATTACCAAGAAAGG.1_1	YUCARD	B 2
## GGATTACCACAGCGTC.1_1	YUCARD	CD4T 1
## GGATTACCACGGTTTA.1_1	YUCARD	CD4T 7
## GGATTACCAGACAAAT.1_1	YUCARD	CD4T 1
## GGATTACCATAACCATG.1_1	YUCARD	Mono 8

## GGATTACGTACAGTTC.1_1	YUCARD	Mono 7
## GGATTACGTACCGCTG.1_1	YUCARD	CD4T 7
## GGATTACGTGCGCATG.1_1	YUCARD	CD4T 1
## GGATTACGTGGAAAGA.1_1	YUCARD	CD4T 3
## GGATTACGTGTTGAGG.1_1	YUCARD	B 2
## GGATTACGTGTGGAG.1_1	YUCARD	CD4T 6
## GGATTACTCTAACTTC.1_1	YUCARD	CD4T 4
## GGCAATTAGTCAAGCG.1_1	YUCARD	NK 2
## GGCAATTCAATTGCTG.1_1	YUCARD	CD8T 2
## GGCAATTCACAGCGTC.1_1	YUCARD	CD4T 1
## GGCAATTCATCACAAC.1_1	YUCARD	Mono 5
## GGCAATTGTTAGGGTG.1_1	YUCARD	TNKT 2
## GGCAATTGTTTAGCTG.1_1	YUCARD	CD4T 4
## GGCAATTTTCATGTGGT.1_1	YUCARD	CD4T 6
## GGCAATTTTCGGAAATA.1_1	YUCARD	Mono 8
## GGCAATTTCTGTCCGT.1_1	YUCARD	DC 1
## GGCCGATAGAAGAAGC.1_1	YUCARD	CD4T 2
## GGCCGATAGAGACTAT.1_1	YUCARD	Mono 1
## GGCCGATCATCGGTTA.1_1	YUCARD	CD8T 3
## GGCCGATGTAGTACCT.1_1	YUCARD	Mono 7
## GGCCGATGTGTAATGA.1_1	YUCARD	CD4T 1
## GGCCGATTCCACGTGG.1_1	YUCARD	Mono 4
## GGCCGATTTCGGATGGA.1_1	YUCARD	Mono 2
## GGCGACTAGATGCCAG.1_1	YUCARD	NK 2
## GGCGACTAGGACGAAA.1_1	YUCARD	B 2
## GGCGACTAGTGAATTG.1_1	YUCARD	CD4T 1
## GGCGACTAGTGGAGAA.1_1	YUCARD	NK 1
## GGCGACTGTACCCAAT.1_1	YUCARD	Mono 2
## GGCGACTGTCCAATA.1_1	YUCARD	Mono 3
## GGCGACTGTTACCTC.1_1	YUCARD	NK 3
## GGCGACTGTTGAGTTC.1_1	YUCARD	CD4T 4
## GGCGACTTCACGATGT.1_1	YUCARD	TNKT 1
## GGCGACTTCGCATGAT.1_1	YUCARD	CD4T 6
## GGCGACTTCTTATCTG.1_1	YUCARD	CD4T 2
## GGCGACTTCTTTAGGG.1_1	YUCARD	Mono 4
## GGCGTGTGAGACAAGC.1_1	YUCARD	CD4T 5
## GGCGTGTGATTCTTAC.1_1	YUCARD	Mono 5
## GGCGTGTGTGAGACA.1_1	YUCARD	CD4T 4
## GGCGTGTTCATGTCTT.1_1	YUCARD	CD4T 4
## GGCTCGAAGGGATGGG.1_1	YUCARD	CD4T 2
## GGCTCGACAATGCCAT.1_1	YUCARD	CD4T 4
## GGCTCGACATTGGGCC.1_1	YUCARD	CD4T 4
## GGCTCGAGTCGAACAG.1_1	YUCARD	CD4T 3
## GGCTGGTAGTATCGAA.1_1	YUCARD	Mono 5
## GGCTGGTGTCTAACGT.1_1	YUCARD	Mono 4
## GGCTGGTGTGCACTTA.1_1	YUCARD	NK 2
## GGCTGGTGTGTTGGGCC.1_1	YUCARD	CD8T 3
## GGCTGGTTCACCAGGC.1_1	YUCARD	CD4T 7
## GGGAATGCACATTAGC.1_1	YUCARD	Mono 3
## GGGAATGCAGCTTAAC.1_1	YUCARD	Mono 5
## GGGAATGCATTTACAG.1_1	YUCARD	CD4T 1
## GGGAATGGTAAGAGAG.1_1	YUCARD	CD4T 7
## GGGAATGGTACGCTGC.1_1	YUCARD	TNKT 1
## GGGAATGGTAGCTAAA.1_1	YUCARD	Mono 8

## GGAATGGTGGTCTCG.1_1	YUCARD	CD4T 1
## GGAATGGTTATTCTC.1_1	YUCARD	CD4T 1
## GGAATGGTTCACGGC.1_1	YUCARD	CD4T 3
## GGAATGTCCCGATG.1_1	YUCARD	Mono 4
## GGGACCTAGAATGTGT.1_1	YUCARD	CD4T 5
## GGGACCTAGCCAGAAC.1_1	YUCARD	NK 3
## GGGACCTAGGAGTCTG.1_1	YUCARD	Mono 8
## GGGACCTAGTTGAGTA.1_1	YUCARD	Mono 4
## GGGACCTCAAGCGCTC.1_1	YUCARD	CD4T 1
## GGGACCTCAATGTAAG.1_1	YUCARD	Mono 8
## GGGACCTCACCGAAAG.1_1	YUCARD	Mono 5
## GGGACCTCAGACAAGC.1_1	YUCARD	NK 2
## GGGACCTCAGATTGCT.1_1	YUCARD	CD8T 1
## GGGACCTCAGCTCGAC.1_1	YUCARD	Mono 8
## GGGACCTCAGCTTAAC.1_1	YUCARD	CD8T 1
## GGGACCTCAGTGACAG.1_1	YUCARD	CD4T 3
## GGGACCTCAGTTCCT.1_1	YUCARD	Mono 9
## GGGACCTCATCCAACA.1_1	YUCARD	Mono 4
## GGGACCTGTAAGAGGA.1_1	YUCARD	Mono 8
## GGGACCTGTCTGGAGA.1_1	YUCARD	Mono 7
## GGGACCTTCCGCGTTT.1_1	YUCARD	CD4T 1
## GGGAGATAGCTCCTCT.1_1	YUCARD	CD4T 3
## GGGAGATTCAGGATCT.1_1	YUCARD	Mono 4
## GGGAGATTCAGTACGT.1_1	YUCARD	Mono 4
## GGGAGATTCCTCGCAT.1_1	YUCARD	Mono 1
## GGGAGATTCTTGTTTG.1_1	YUCARD	Mono 4
## GGGATGAAGAGTCTGG.1_1	YUCARD	CD4T 1
## GGGATGAAGCCCAGCT.1_1	YUCARD	B 2
## GGGATGAAGTACATGA.1_1	YUCARD	TNKT 2
## GGGATGAGTCATTAGC.1_1	YUCARD	CD4T 1
## GGGATGAGTGAACCTT.1_1	YUCARD	Mono 9
## GGGATGATCAGCGACC.1_1	YUCARD	Mono 5
## GGGATGATCGGACAAG.1_1	YUCARD	CD4T 6
## GGGCACTAGCAGACTG.1_1	YUCARD	Mono 4
## GGGCACTCAACACCCG.1_1	YUCARD	NK 3
## GGGCACTCATGCCTAA.1_1	YUCARD	CD4T 2
## GGGCACTGTGTTGAGG.1_1	YUCARD	Mono 2
## GGGCACTTCAGTTTGG.1_1	YUCARD	NK 2
## GGGCACTTCATGGTCA.1_1	YUCARD	Mono 8
## GGGCACTTCTACCAGA.1_1	YUCARD	Mono 7
## GGGCATCAGACAGAGA.1_1	YUCARD	NK 3
## GGGCATCAGATTACCC.1_1	YUCARD	NK 2
## GGGCATCAGGGAACGG.1_1	YUCARD	CD4T 7
## GGGCATCGTTACCAGT.1_1	YUCARD	CD4T 2
## GGGCATCTCAACTCTT.1_1	YUCARD	B 2
## GGGCATCTCCCGATG.1_1	YUCARD	CD4T 2
## GGGCATCTCCGCGTTT.1_1	YUCARD	B 2
## GGGCATCTCGAGAGCA.1_1	YUCARD	Mono 8
## GGGCATCTCTAGAGTC.1_1	YUCARD	CD4T 3
## GGGCATCTCTTCTGGC.1_1	YUCARD	Mono 4
## GGGTCTGAGACGCAAC.1_1	YUCARD	CD8T 3
## GGGTCTGCAATCCAAC.1_1	YUCARD	CD8T 3
## GGGTCTGCAGCGAACA.1_1	YUCARD	NK 1
## GGGTCTGCATTGAGCT.1_1	YUCARD	NK 3

## GGGTCTGGTCCCGACA.1_1	YUCARD	NK 2
## GGGTCTGGTCTCCATC.1_1	YUCARD	TNKT 1
## GGGTCTGGTGAAGGCT.1_1	YUCARD	Mono 4
## GGGTCTGGTGCCTGCA.1_1	YUCARD	CD4T 7
## GGGTCTGGTGCTCTTC.1_1	YUCARD	CD4T 1
## GGGTCTGTCCCTCTTT.1_1	YUCARD	NK 2
## GGGTCTGTGCGCTGAG.1_1	YUCARD	NK 3
## GGGTCTGTCTCGAGTA.1_1	YUCARD	TNKT 1
## GGGTTGCAGCCGTCGT.1_1	YUCARD	CD4T 1
## GGGTTGCAGTAGCCGA.1_1	YUCARD	CD4T 7
## GGGTTGCCAAGAGGCT.1_1	YUCARD	Mono 8
## GGGTTGCCATATGGTC.1_1	YUCARD	CD4T 3
## GGGTTGCGTCAATACC.1_1	YUCARD	B 3
## GGGTTGCGTCCAAGTT.1_1	YUCARD	Mono 7
## GGGTTGCGTCTGGTCG.1_1	YUCARD	CD4T 3
## GGGTTGCTCAGCAACT.1_1	YUCARD	Mono 8
## GGGTTGCTCCCAAGTA.1_1	YUCARD	Mono 5
## GGGTTGCTCCTCATTA.1_1	YUCARD	Mono 5
## GGTATTGAGGCTCATT.1_1	YUCARD	CD4T 7
## GGTATTGAGTTTCCTT.1_1	YUCARD	Mono 1
## GGTATTGCAGGTTTCA.1_1	YUCARD	Mono 7
## GGTATTGCATCTACGA.1_1	YUCARD	CD4T 6
## GGTATTGGTCCGTCAG.1_1	YUCARD	CD4T 4
## GGTATTGGTGGCTCCA.1_1	YUCARD	Mono 3
## GGTATTGGTTTGACAC.1_1	YUCARD	CD4T 5
## GGTATTGTGCTAGCG.1_1	YUCARD	NK 2
## GGTATTGTCTACTATC.1_1	YUCARD	Mono 4
## GGTGAAGAGAAGATTC.1_1	YUCARD	CD8T 2
## GGTGAAGAGAGAGCTC.1_1	YUCARD	CD4T 1
## GGTGAAGAGTCTCCTC.1_1	YUCARD	CD4T 1
## GGTGAAGCACCTCGGA.1_1	YUCARD	Mono 8
## GGTGAAGCAGCTCCGA.1_1	YUCARD	Mono 3
## GGTGAAGCATTCACTT.1_1	YUCARD	CD4T 7
## GGTGAAGGTCCTGCTT.1_1	YUCARD	CD4T 1
## GGTGAAGTCCGTACAA.1_1	YUCARD	CD4T 4
## GGTGCGTCAAGCCGCT.1_1	YUCARD	B 2
## GGTGCGTCAGCGTCCA.1_1	YUCARD	CD4T 4
## GGTGCGTGTCTTTCAT.1_1	YUCARD	CD4T 5
## GGTGCGTGTGCACTTA.1_1	YUCARD	CD8T 3
## GGTGCGTTCACCCTCA.1_1	YUCARD	B 2
## GGTGCGTTCAGCGATT.1_1	YUCARD	NK 1
## GGTGCGTTCAGCTTAG.1_1	YUCARD	CD8T 3
## GGTGCGTTCAGTACGT.1_1	YUCARD	B 2
## GGTGCGTTCCTCAATT.1_1	YUCARD	Mono 4
## GGTGCGTTCCTAGACA.1_1	YUCARD	NK 2
## GGTGTTAAGCACCGTC.1_1	YUCARD	NK 3
## GGTGTTAAGCGATTCT.1_1	YUCARD	Mono 9
## GGTGTTACACCAACCG.1_1	YUCARD	B 2
## GGTGTTACACTACAGT.1_1	YUCARD	B 1
## GGTGTTACAGTTAACC.1_1	YUCARD	B 2
## GGTGTTACATGCTGGC.1_1	YUCARD	CD4T 1
## GGTGTTAGTACCCAAT.1_1	YUCARD	Mono 5
## GGTGTTATCACTATTTC.1_1	YUCARD	B 3
## GGTGTTATCATGTCCC.1_1	YUCARD	CD4T 2

## GGTGTTATCCAGAAGG.1_1	YUCARD	CD8T 1
## GGTGTTATCGGCGCAT.1_1	YUCARD	CD4T 5
## GGTGTTATCTAGCACA.1_1	YUCARD	B 3
## GTAACGTAGAGAACAG.1_1	YUCARD	Mono 8
## GTAACGTAGGCAATTA.1_1	YUCARD	CD8T 1
## GTAACGTAGGTGATTA.1_1	YUCARD	CD4T 7
## GTAACGTAGTCCGGTC.1_1	YUCARD	CD4T 1
## GTAACGTCAAATCCGT.1_1	YUCARD	B 2
## GTAACGTCAATTCCTT.1_1	YUCARD	NK 3
## GTAACGTCATGTTCCC.1_1	YUCARD	CD4T 4
## GTAACGTTACAGGCC.1_1	YUCARD	CD4T 1
## GTAACGTTCCACGCAG.1_1	YUCARD	B 3
## GTAACGTTCCGTCCGA.1_1	YUCARD	CD4T 1
## GTAACGTAGGGAACGG.1_1	YUCARD	Mono 8
## GTAACGTAGGGTTCGAT.1_1	YUCARD	Mono 1
## GTAACGTCAAACCCAT.1_1	YUCARD	B 2
## GTAACGTGCACATGTGT.1_1	YUCARD	CD4T 5
## GTAACGTGCAGGACCCT.1_1	YUCARD	CD4T 7
## GTAACGTGCAGGCGATA.1_1	YUCARD	CD4T 3
## GTAACGTGCAGTACACT.1_1	YUCARD	TNKT 1
## GTAACGTGGTCTGCGGT.1_1	YUCARD	CD4T 2
## GTAACGTGGTGAGTGAC.1_1	YUCARD	B 2
## GTAACGTGTCAATAAGG.1_1	YUCARD	NK 1
## GTACGTAAGACTTGAA.1_1	YUCARD	B 2
## GTACGTAAGCCACTAT.1_1	YUCARD	Mono 5
## GTACGTACACCACCAG.1_1	YUCARD	CD4T 5
## GTACGTAGTATTACCG.1_1	YUCARD	NK 1
## GTACGTAGTCCCGACA.1_1	YUCARD	CD4T 3
## GTACGTAGTGAACCTT.1_1	YUCARD	NK 1
## GTACGTAGTGACCAAG.1_1	YUCARD	B 3
## GTACGTAGTTGATTGC.1_1	YUCARD	TNKT 1
## GTACGTATCATTGCCC.1_1	YUCARD	CD4T 7
## GTACGTATCTCTAAGG.1_1	YUCARD	CD8T 1
## GTACTCCAGAAAAGTGG.1_1	YUCARD	CD4T 1
## GTACTCCAGAGCTGGT.1_1	YUCARD	CD4T 1
## GTACTCCAGCGTGTCC.1_1	YUCARD	CD4T 1
## GTACTCCAGGTGCTAG.1_1	YUCARD	CD4T 7
## GTACTCCAGTCGTACT.1_1	YUCARD	CD4T 4
## GTACTCCAGTTAGGTA.1_1	YUCARD	Mono 7
## GTACTCCCACCATCCT.1_1	YUCARD	NK 2
## GTACTCCGTGCACTTA.1_1	YUCARD	CD4T 6
## GTACTCCGTGGTACAG.1_1	YUCARD	Mono 9
## GTACTCCGTATTCTC.1_1	YUCARD	CD4T 1
## GTACTCCTCAACGAAA.1_1	YUCARD	CD4T 3
## GTACTCCTCTATCCCG.1_1	YUCARD	CD4T 5
## GTACTCCTCTCGATGA.1_1	YUCARD	Mono 4
## GTACTTTAGAAGATTC.1_1	YUCARD	CD4T 2
## GTACTTTAGCCACGCT.1_1	YUCARD	Mono 4
## GTACTTTAGTACGCGA.1_1	YUCARD	CD4T 1
## GTACTTTCAATGACCT.1_1	YUCARD	DC 1
## GTACTTTGTGCGACTGC.1_1	YUCARD	Mono 5
## GTACTTTGTGTCCTCT.1_1	YUCARD	CD8T 2
## GTACTTTGTTACGCGC.1_1	YUCARD	B 2
## GTACTTTTCACAATGC.1_1	YUCARD	CD4T 3

## GTACTTTTCTCTGCTG.1_1	YUCARD	Mono 1
## GTAGGCCAGTGCCATT.1_1	YUCARD	TNKT 2
## GTAGGCCCAACGTT.1_1	YUCARD	Mono 4
## GTAGGCCCAAGTAA.1_1	YUCARD	CD4T 1
## GTAGGCCGTCTCTTTA.1_1	YUCARD	CD4T 4
## GTAGGCCGTGATAAGT.1_1	YUCARD	DC 1
## GTAGTCAAGAACAAC.1_1	YUCARD	Mono 4
## GTAGTCAAGATATACG.1_1	YUCARD	CD4T 1
## GTAGTCAAGATGTGGC.1_1	YUCARD	CD4T 6
## GTAGTCAAGCCCTAAT.1_1	YUCARD	Mono 8
## GTAGTCAAGTATTGGA.1_1	YUCARD	NK 1
## GTAGTCACAAGCCGTC.1_1	YUCARD	B 3
## GTAGTCACAAGTTAAG.1_1	YUCARD	CD4T 4
## GTAGTCACACACAGAG.1_1	YUCARD	CD4T 2
## GTAGTCACACCACCAG.1_1	YUCARD	Mono 4
## GTAGTCACATTCTTAC.1_1	YUCARD	CD4T 7
## GTAGTCAGTGAGTATA.1_1	YUCARD	CD4T 3
## GTAGTCAGTTCAGCGC.1_1	YUCARD	TNKT 1
## GTAGTCAGTTCGTTGA.1_1	YUCARD	CD4T 1
## GTAGTCAGTTGGGACA.1_1	YUCARD	CD4T 2
## GTAGTCAGTTGACTG.1_1	YUCARD	CD4T 3
## GTAGTCAGTTGTTGG.1_1	YUCARD	CD4T 2
## GTAGTCATCAGCATGT.1_1	YUCARD	CD8T 1
## GTATCTTAGAGCTGCA.1_1	YUCARD	Mono 2
## GTATCTTAGCCAGTAG.1_1	YUCARD	CD4T 1
## GTATCTTAGCTGGAAC.1_1	YUCARD	CD4T 7
## GTATCTTGATGCTTG.1_1	YUCARD	NK 3
## GTATCTTGTCGAACC.1_1	YUCARD	CD4T 3
## GTATCTTGCTTCTCG.1_1	YUCARD	B 2
## GTATCTTGTCAGACA.1_1	YUCARD	Mono 7
## GTATCTTTCAAACCAC.1_1	YUCARD	TNKT 1
## GTATCTTTCAACGAAA.1_1	YUCARD	B 2
## GTATCTTTCTAGAAC.1_1	YUCARD	CD4T 4
## GTATCTTTCTCTAAGG.1_1	YUCARD	TNKT 2
## GTATCTTTCTGCCAGG.1_1	YUCARD	DC 1
## GTATCTTTCTTCGAGA.1_1	YUCARD	CD4T 4
## GTATTCTAGACGCTTT.1_1	YUCARD	CD4T 1
## GTATTCTAGCCGCCTA.1_1	YUCARD	CD4T 6
## GTATTCTAGGCAATTA.1_1	YUCARD	B 2
## GTATTCTAGGGATGGG.1_1	YUCARD	CD4T 6
## GTATTCTAGTACTTGC.1_1	YUCARD	Mono 5
## GTATTCTGTGCACCAC.1_1	YUCARD	CD4T 7
## GTATTCTGTGCCTTGG.1_1	YUCARD	Mono 4
## GTATTCTTCAGCTCGG.1_1	YUCARD	Mono 7
## GTATTCTTCAGGTAAA.1_1	YUCARD	TNKT 2
## GTATTCTTCCCTAACC.1_1	YUCARD	CD4T 6
## GTATTCTTCGACCAGC.1_1	YUCARD	Mono 1
## GTCAAGTAGAAAACCGC.1_1	YUCARD	B 1
## GTCAAGTAGACCCACC.1_1	YUCARD	CD4T 3
## GTCAAGTAGGACCACA.1_1	YUCARD	CD4T 1
## GTCAAGTCAAAGCAAT.1_1	YUCARD	CD4T 1
## GTCAAGTCAACGATCT.1_1	YUCARD	CD4T 3
## GTCAAGTCACTGTGTA.1_1	YUCARD	CD4T 1
## GTCAAGTGTCTTGCGG.1_1	YUCARD	CD4T 6

## GTCAAGTGTGACAAAT.1_1	YUCARD	CD4T 1
## GTCAAGTGTGATGTCT.1_1	YUCARD	B 2
## GTCACAAAGACTACAA.1_1	YUCARD	CD4T 3
## GTCACAAAGAGTCTGG.1_1	YUCARD	B 2
## GTCACAAAGGATATAC.1_1	YUCARD	Mono 2
## GTCACAACACAAGCCC.1_1	YUCARD	TNKT 2
## GTCACAACACCTATCC.1_1	YUCARD	NK 3
## GTCACAACACTGCCAG.1_1	YUCARD	TNKT 1
## GTCACAAGTTCTCATT.1_1	YUCARD	Mono 3
## GTCACAATCCCGGATG.1_1	YUCARD	Mono 8
## GTCACAATCCGCGCAA.1_1	YUCARD	CD4T 2
## GTCACAATCTCTGCTG.1_1	YUCARD	CD4T 5
## GTCACAATCTGGCGTG.1_1	YUCARD	NK 1
## GTCACAATCTTGCCGT.1_1	YUCARD	Mono 9
## GTCACGGAGCATCATC.1_1	YUCARD	Mono 9
## GTCACGGAGGGATAACC.1_1	YUCARD	NK 2
## GTCACGGCACAGGTTT.1_1	YUCARD	B 2
## GTCACGGCATCCAACA.1_1	YUCARD	CD4T 2
## GTCACGGTCAGTTGAC.1_1	YUCARD	CD4T 1
## GTCATTTAGCGTTTAC.1_1	YUCARD	B 2
## GTCATTTAGCTAACAA.1_1	YUCARD	TNKT 1
## GTCATTTAGCTACCTA.1_1	YUCARD	Mono 4
## GTCATTTAGCTGCGAA.1_1	YUCARD	Mono 8
## GTCATTTCAATGAATG.1_1	YUCARD	CD4T 3
## GTCATTTCAATGCCAT.1_1	YUCARD	Mono 4
## GTCATTTCAGGGATTG.1_1	YUCARD	CD4T 7
## GTCATTTTCCGTCATC.1_1	YUCARD	Mono 2
## GTCATTTTTCGCTTAGA.1_1	YUCARD	CD4T 7
## GTCATTTTCTTTCCTC.1_1	YUCARD	CD4T 5
## GTCCTCAAGACTCGGA.1_1	YUCARD	Mono 2
## GTCCTCAAGCTGCAAG.1_1	YUCARD	NK 4
## GTCCTCAGTGTCTCT.1_1	YUCARD	CD4T 5
## GTCCTCATCCACGACG.1_1	YUCARD	Mono 9
## GTCGGGTCACTCTGTC.1_1	YUCARD	Mono 1
## GTCGGGTGTGATAAAC.1_1	YUCARD	NK 1
## GTCGGGTGTGCTCTTC.1_1	YUCARD	CD4T 1
## GTCGGGTGTCCGTCT.1_1	YUCARD	CD4T 6
## GTCGGGTTACCAGGC.1_1	YUCARD	Mono 8
## GTCGGGTTCCAGTATG.1_1	YUCARD	B 2
## GTCGGGTTTCGAGCCCA.1_1	YUCARD	Mono 5
## GTCGTAAAGCAAATCA.1_1	YUCARD	CD4T 4
## GTCGTAAAGGGTTCCC.1_1	YUCARD	CD4T 7
## GTCGTAAAGTGCCAGA.1_1	YUCARD	CD4T 1
## GTCGTAAACAAGTCATC.1_1	YUCARD	Mono 4
## GTCGTAAACACCTCGGA.1_1	YUCARD	NK 2
## GTCGTAAACAGGAATCG.1_1	YUCARD	Mono 2
## GTCGTAAACAGGCGATA.1_1	YUCARD	Mono 1
## GTCGTAAACATATGGTC.1_1	YUCARD	CD4T 3
## GTCGTAAAGTAGCTGCC.1_1	YUCARD	CD4T 1
## GTCGTAAAGTGACAAAT.1_1	YUCARD	Mono 8
## GTCGTAAATCACCGGGT.1_1	YUCARD	B 2
## GTCGTAAATCCAAAGTC.1_1	YUCARD	CD4T 1
## GTCGTAAATCCTCAACC.1_1	YUCARD	NK 1
## GTCGTAAATCTAACTTC.1_1	YUCARD	CD4T 1

## GTCGTAATCTTCCTTC.1_1	YUCARD	Mono 8
## GTCTCGTCAACACCTA.1_1	YUCARD	CD4T 7
## GTCTCGTCACACGCTG.1_1	YUCARD	CD4T 6
## GTCTCGTTCGCGTAGC.1_1	YUCARD	CD4T 7
## GTCTCGTTCTGGTTCC.1_1	YUCARD	CD4T 1
## GTCTCGTTCTTAGCCC.1_1	YUCARD	Mono 5
## GTCTCGTTCTTGCAAG.1_1	YUCARD	CD4T 6
## GTCTTCGCACTGTTAG.1_1	YUCARD	CD4T 1
## GTCTTCGCAGTACACT.1_1	YUCARD	Mono 4
## GTCTTCGGTAAATGAC.1_1	YUCARD	TNKT 1
## GTCTTCGGTCGCGAAA.1_1	YUCARD	B 1
## GTCTTCGTCACCACCT.1_1	YUCARD	B 2
## GTCTTCGTCGACCAGC.1_1	YUCARD	Mono 7
## GTCTTCGTCGATGAGG.1_1	YUCARD	NK 2
## GTCTTCGTCCTCCGTT.1_1	YUCARD	TNKT 1
## GTGAAGGAGCAGGTCA.1_1	YUCARD	CD4T 1
## GTGAAGGAGGGTGTGT.1_1	YUCARD	CD4T 1
## GTGAAGGCACAGACAG.1_1	YUCARD	Mono 1
## GTGAAGGCAGTATGCT.1_1	YUCARD	B 2
## GTGCAGCAGTGCAAGC.1_1	YUCARD	CD4T 6
## GTGCAGCCAAACTGCT.1_1	YUCARD	NK 3
## GTGCAGCCATGGATGG.1_1	YUCARD	CD4T 1
## GTGCAGCCATGGTCAT.1_1	YUCARD	CD4T 1
## GTGCAGCGTCAGGACA.1_1	YUCARD	CD4T 6
## GTGCAGCGTCGGCTCA.1_1	YUCARD	CD8T 3
## GTGCAGCGTGCTTCTC.1_1	YUCARD	CD4T 4
## GTGCAGCTCTCACATT.1_1	YUCARD	CD4T 4
## GTGCAGCTCTTGTA.1_1	YUCARD	CD8T 2
## GTGCATAAGACTTTTCG.1_1	YUCARD	B 2
## GTGCATAAGTAGGTGC.1_1	YUCARD	CD4T 5
## GTGCATACAAGTCTGT.1_1	YUCARD	Mono 8
## GTGCATAGTAGCTGCC.1_1	YUCARD	TNKT 1
## GTGCATAGTCAGCTAT.1_1	YUCARD	CD4T 3
## GTGCATAGTCTTCGTC.1_1	YUCARD	CD4T 1
## GTGCATAGTTGTCGCG.1_1	YUCARD	CD8T 3
## GTGCGGTAGACTAGAT.1_1	YUCARD	B 2
## GTGCGGTAGAGACGAA.1_1	YUCARD	CD4T 1
## GTGCGGTAGCCTATGT.1_1	YUCARD	CD4T 2
## GTGCGGTAGGTGCTTT.1_1	YUCARD	B 2
## GTGCGGTCAGTGACAG.1_1	YUCARD	Mono 2
## GTGCGGTCATGAAGTA.1_1	YUCARD	CD4T 7
## GTGCGGTGTAACGACG.1_1	YUCARD	Mono 8
## GTGCGGTGTACGAAAT.1_1	YUCARD	CD4T 4
## GTGCGGTGTATATGAG.1_1	YUCARD	TNKT 2
## GTGCGGTGTTGCTTGA.1_1	YUCARD	TNKT 2
## GTGCGGTTACCTTAT.1_1	YUCARD	B 2
## GTGCGGTTACAGACG.1_1	YUCARD	Mono 1
## GTGCGGTTCCACGACG.1_1	YUCARD	NK 3
## GTGCGGTTCTCCAACC.1_1	YUCARD	CD4T 1
## GTGCTTCAGACACTAA.1_1	YUCARD	NK 2
## GTGCTTCAGATACACA.1_1	YUCARD	CD4T 3
## GTGCTTCAGTCCGTAT.1_1	YUCARD	CD4T 4
## GTGCTTCCAAGCCGCT.1_1	YUCARD	Mono 7
## GTGCTTCCAATCAGAA.1_1	YUCARD	NK 3

## GTGCTTCCACACATGT.1_1	YUCARD	Mono 4
## GTGCTTCCACGGTAAG.1_1	YUCARD	Mono 9
## GTGCTTCCATTCTGTC.1_1	YUCARD	CD8T 1
## GTGCTTCGTGGACGAT.1_1	YUCARD	CD8T 3
## GTGCTTCTCATAACCG.1_1	YUCARD	B 3
## GTGCTTCTCTGGTTCC.1_1	YUCARD	B 2
## GTGGGTCAGAATTCCC.1_1	YUCARD	Mono 9
## GTGGGTCAGACACTAA.1_1	YUCARD	B 2
## GTGGGTCAGACTAGAT.1_1	YUCARD	NK 3
## GTGGGTCGAAGACACG.1_1	YUCARD	TNKT 1
## GTGGGTCACAGATTC.1_1	YUCARD	CD4T 1
## GTGGGTCCATTCGACA.1_1	YUCARD	CD4T 1
## GTGGGTCGTCCATCCT.1_1	YUCARD	B 3
## GTGGGTCCTCAAGAAGT.1_1	YUCARD	CD4T 2
## GTGTGCGAGGCATGTG.1_1	YUCARD	Mono 2
## GTGTGCGCAATCGGTT.1_1	YUCARD	B 2
## GTGTGCGCAGGTCTCG.1_1	YUCARD	CD4T 4
## GTGTGCGGTAACGCGA.1_1	YUCARD	B 2
## GTGTGCGGTCGAGATG.1_1	YUCARD	Mono 3
## GTGTGCGTCAAGCCTA.1_1	YUCARD	Mono 2
## GTGTGCGTCCCGACTT.1_1	YUCARD	TNKT 1
## GTGTGCGTCGTCTGAA.1_1	YUCARD	CD4T 1
## GTGTTAGAGAGCCCAA.1_1	YUCARD	NK 1
## GTGTTAGAGTCGAGTG.1_1	YUCARD	CD4T 2
## GTGTTAGCAAACGCGA.1_1	YUCARD	TNKT 1
## GTGTTAGCAATAAGCA.1_1	YUCARD	Mono 5
## GTGTTAGTCATCGGAT.1_1	YUCARD	CD4T 4
## GTGTTAGTCTGAGTGT.1_1	YUCARD	CD4T 2
## GTTAAGCAGCCCGAAA.1_1	YUCARD	CD4T 1
## GTTAAGCAGGAATTAC.1_1	YUCARD	CD4T 5
## GTTAAGCCACAAGACG.1_1	YUCARD	Mono 4
## GTTAAGCGTAGCGATG.1_1	YUCARD	Mono 8
## GTTAAGCGTCTCACCT.1_1	YUCARD	CD4T 1
## GTTAAGCGTTAGTGGG.1_1	YUCARD	CD4T 1
## GTTAAGCTCGGGAGTA.1_1	YUCARD	Mono 7
## GTTACAGAGGATATAC.1_1	YUCARD	B 2
## GTTACAGCATGGTCAT.1_1	YUCARD	Mono 9
## GTTACAGGTATAGTAG.1_1	YUCARD	B 2
## GTTACAGTCATGTAGC.1_1	YUCARD	CD4T 6
## GTTACAGTCCTGCTTG.1_1	YUCARD	CD4T 6
## GTTACAGTCCTTCAAT.1_1	YUCARD	CD4T 7
## GTTCATTAGACCCACC.1_1	YUCARD	Mono 5
## GTTCATTAGCTGAAAT.1_1	YUCARD	Mono 5
## GTTCATTAGTTCGATC.1_1	YUCARD	NK 1
## GTTCATTACCATGTA.1_1	YUCARD	CD4T 3
## GTTCATTACGCGTCCA.1_1	YUCARD	CD4T 4
## GTTCATTACGCTTAAC.1_1	YUCARD	NK 2
## GTTCATTATGTCTCC.1_1	YUCARD	CD4T 3
## GTTCATTGTAACGTTT.1_1	YUCARD	CD4T 4
## GTTCATTGTATCTGCA.1_1	YUCARD	B 2
## GTTCATTGTATGGTTC.1_1	YUCARD	CD4T 1
## GTTCATTGTCCTGCTT.1_1	YUCARD	CD4T 7
## GTTCATTGTGTCTGAT.1_1	YUCARD	CD4T 2
## GTTCATTTCACGCAG.1_1	YUCARD	CD4T 1

## GTTCATTTTCGATAGAA.1_1	YUCARD	CD4T 3
## GTTCATTTTCGCCTGTT.1_1	YUCARD	CD4T 1
## GTTCATTTTCGCTTGTC.1_1	YUCARD	B 2
## GTTCATTTTCTAACGGT.1_1	YUCARD	B 2
## GTTCGGGGTAAATGTG.1_1	YUCARD	CD4T 6
## GTTCGGGGTATGAATG.1_1	YUCARD	Mono 4
## GTTCGGGGTGCATCTA.1_1	YUCARD	Mono 4
## GTTCGGGGTTACGTCA.1_1	YUCARD	Mono 1
## GTTCGGGGTCGAAGCC.1_1	YUCARD	Mono 1
## GTTCGGGTCTTACCGC.1_1	YUCARD	B 2
## GTTCTCGAGCAGGCTA.1_1	YUCARD	Mono 4
## GTTCTCGCAGCTCCGA.1_1	YUCARD	NK 3
## GTTCTCGGTCGGGTCT.1_1	YUCARD	Mono 7
## GTTCTCGGTGCCTTGG.1_1	YUCARD	Mono 2
## GTTCTCGTCGTCACGG.1_1	YUCARD	TNKT 1
## GTTTCTAAGACTAGGC.1_1	YUCARD	B 3
## GTTTCTAAGCACAGGT.1_1	YUCARD	TNKT 1
## GTTTCTAAGTCCGTAT.1_1	YUCARD	CD4T 1
## GTTTCTACAAACGCGA.1_1	YUCARD	CD4T 6
## GTTTCTACAAGCGAGT.1_1	YUCARD	B 2
## GTTTCTACATAACCTG.1_1	YUCARD	B 2
## GTTTCTACATACGCTA.1_1	YUCARD	CD4T 3
## GTTTCTATCAGTGCAT.1_1	YUCARD	CD4T 5
## GTTTCTATCGTAGGAG.1_1	YUCARD	Mono 7
## GTTTCTATCTCAACTT.1_1	YUCARD	Mono 4
## TAAACCGAGAAACCAT.1_1	YUCARD	Mono 4
## TAAACCGAGGCGATAC.1_1	YUCARD	DC 1
## TAAACCGCATTGGCGC.1_1	YUCARD	CD8T 3
## TAAACCGGTCAGAGGT.1_1	YUCARD	Mono 7
## TAAACCGTCATCGCTC.1_1	YUCARD	Mono 1
## TAAGAGAAGACTAAGT.1_1	YUCARD	CD4T 2
## TAAGAGAAGAGGTTAT.1_1	YUCARD	NK 3
## TAAGAGAAGCAGCCTC.1_1	YUCARD	NK 2
## TAAGAGACAATAAGCA.1_1	YUCARD	CD4T 4
## TAAGAGACACATCTTT.1_1	YUCARD	CD4T 1
## TAAGAGACAGATGGCA.1_1	YUCARD	CD4T 1
## TAAGAGACAGCTGTTA.1_1	YUCARD	CD4T 6
## TAAGAGACAGGTCTCG.1_1	YUCARD	CD4T 5
## TAAGAGACATGCCTTC.1_1	YUCARD	Mono 9
## TAAGAGAGTCGCATCG.1_1	YUCARD	Mono 3
## TAAGAGAGTTGGGACA.1_1	YUCARD	CD4T 3
## TAAGCGTAGAAGAAGC.1_1	YUCARD	Mono 5
## TAAGCGTAGAATCTCC.1_1	YUCARD	CD4T 4
## TAAGCGTAGACCTAGG.1_1	YUCARD	Mono 5
## TAAGCGTAGTTCGATC.1_1	YUCARD	CD4T 4
## TAAGCGTGTACTCAAC.1_1	YUCARD	Mono 2
## TAAGCGTGTCTCTCTG.1_1	YUCARD	CD4T 4
## TAAGCGTGTGCGGTAA.1_1	YUCARD	B 2
## TAAGCGTGTTAGAACA.1_1	YUCARD	Mono 2
## TAAGCGTTCAGGCGAA.1_1	YUCARD	Mono 1
## TAAGCGTTCTTAACCT.1_1	YUCARD	CD4T 3
## TAAGTGCAGAGCCCAA.1_1	YUCARD	NK 1
## TAAGTGCGTAGGGACT.1_1	YUCARD	TNKT 1
## TAAGTGCTCGGAGCAA.1_1	YUCARD	Mono 7

## TAAGTGCTCGGCCGAT.1_1	YUCARD	NK 3
## TACACGAAGAAGGACA.1_1	YUCARD	CD4T 1
## TACACGAAGCTAAACA.1_1	YUCARD	TNKT 1
## TACACGACACCCTATC.1_1	YUCARD	B 2
## TACACGACACGCATCG.1_1	YUCARD	Mono 4
## TACACGACAGACGTAG.1_1	YUCARD	CD4T 4
## TACACGACAGTCACTA.1_1	YUCARD	Mono 4
## TACACGAGTAACGTTT.1_1	YUCARD	CD4T 1
## TACACGAGTACAGCAG.1_1	YUCARD	B 2
## TACACGAGTCGAACAG.1_1	YUCARD	CD4T 2
## TACACGAGTCTTCTCG.1_1	YUCARD	NK 1
## TACACGATCAGTTAGC.1_1	YUCARD	B 2
## TACACGATCGCTGATA.1_1	YUCARD	CD4T 1
## TACACGATCTGATTCT.1_1	YUCARD	Mono 4
## TACAGTGAGAATGTTG.1_1	YUCARD	CD4T 2
## TACAGTGGTACCGTTA.1_1	YUCARD	NK 1
## TACAGTGTCAAACGGG.1_1	YUCARD	TNKT 2
## TACAGTGTCCGAGCCA.1_1	YUCARD	CD8T 2
## TACAGTGTCCGGCACA.1_1	YUCARD	CD4T 4
## TACCTATAGGGTATCG.1_1	YUCARD	B 3
## TACCTATAGTCCGTAT.1_1	YUCARD	Mono 8
## TACCTATCAAGGACAC.1_1	YUCARD	Mono 8
## TACCTATCAATGTTGC.1_1	YUCARD	Mono 5
## TACCTATCACACATGT.1_1	YUCARD	Mono 1
## TACCTATCAGTCGATT.1_1	YUCARD	CD4T 4
## TACCTATGTTATCACG.1_1	YUCARD	CD8T 2
## TACCTATTACGCGGT.1_1	YUCARD	CD4T 7
## TACCTATTCCCTTGTG.1_1	YUCARD	CD8T 3
## TACCTATTCCGAGCCA.1_1	YUCARD	CD4T 1
## TACCTTAAGTGGTCCC.1_1	YUCARD	Mono 1
## TACCTTACATGGTCTA.1_1	YUCARD	NK 3
## TACCTTAGTCTAAACC.1_1	YUCARD	CD4T 2
## TACCTTATCAAGAAGT.1_1	YUCARD	CD8T 1
## TACCTTATCACCTCA.1_1	YUCARD	CD4T 1
## TACCTTATCCAAGCCG.1_1	YUCARD	Mono 2
## TACCTTATCTGCCAGG.1_1	YUCARD	CD4T 6
## TACCTTATCTGCGTAA.1_1	YUCARD	CD4T 5
## TACCTTATCTGCTGTC.1_1	YUCARD	Mono 7
## TACGGATAGAATGTTG.1_1	YUCARD	CD4T 1
## TACGGATAGCCCAGCT.1_1	YUCARD	CD4T 4
## TACGGATAGCGATTCT.1_1	YUCARD	CD4T 4
## TACGGATAGGCCATAG.1_1	YUCARD	CD8T 3
## TACGGATAGTGCCAGA.1_1	YUCARD	B 2
## TACGGATCACGACTCG.1_1	YUCARD	CD4T 3
## TACGGATCAGCTGCAC.1_1	YUCARD	NK 1
## TACGGATGTACCCAAT.1_1	YUCARD	Mono 9
## TACGGATGTACTCGCG.1_1	YUCARD	NK 1
## TACGGATGTATAGGTA.1_1	YUCARD	CD4T 7
## TACGGATGTGTTTGGT.1_1	YUCARD	TNKT 1
## TACGGATGTTTCGCTC.1_1	YUCARD	Mono 4
## TACGGATTCTAGAGTC.1_1	YUCARD	CD4T 6
## TACGGGCCAATGACCT.1_1	YUCARD	NK 3
## TACGGGCGTAACGACG.1_1	YUCARD	Mono 4
## TACGGGCGTGACCAAG.1_1	YUCARD	CD4T 3

## TACGGGCTCCGTTGTC.1_1	YUCARD	CD4T 3
## TACGGGCTCTCAAACG.1_1	YUCARD	NK 1
## TACGGTAAGAAGGTTT.1_1	YUCARD	CD4T 2
## TACGGTAAGCCTTGAT.1_1	YUCARD	CD4T 1
## TACGGTACAGGTCGTC.1_1	YUCARD	CD8T 3
## TACGGTAGTCCTAGCG.1_1	YUCARD	CD4T 7
## TACGGTAGTCGTTGTA.1_1	YUCARD	CD4T 1
## TACGGTAGTGATGTCT.1_1	YUCARD	CD4T 4
## TACGGTATCACGGTTA.1_1	YUCARD	CD4T 4
## TACGGTATCATATCGG.1_1	YUCARD	Mono 4
## TACGGTATCCGAGCCA.1_1	YUCARD	CD8T 1
## TACGGTATCCTGTACC.1_1	YUCARD	Mono 5
## TACGGTATCGCGTTTC.1_1	YUCARD	CD4T 7
## TACTCATAGCAAATCA.1_1	YUCARD	CD4T 3
## TACTCATAGCCCAATT.1_1	YUCARD	CD4T 7
## TACTCATAGTTACCCA.1_1	YUCARD	NK 1
## TACTCATCACAAGCCC.1_1	YUCARD	Mono 1
## TACTCATCAGCCACCA.1_1	YUCARD	Mono 2
## TACTCATGTACTTAGC.1_1	YUCARD	B 3
## TACTCATGTCGCATCG.1_1	YUCARD	Mono 2
## TACTCATTTACTATTTC.1_1	YUCARD	NK 4
## TACTCGCAGACCGGAT.1_1	YUCARD	B 2
## TACTCGCAGCAGGTCA.1_1	YUCARD	CD4T 7
## TACTCGCAGGTTCCCTA.1_1	YUCARD	Mono 4
## TACTCGCCACGAAATA.1_1	YUCARD	CD4T 4
## TACTCGCCAGTATCTG.1_1	YUCARD	CD4T 4
## TACTCGCCATGATCCA.1_1	YUCARD	CD4T 4
## TACTCGCGTAGCAAAT.1_1	YUCARD	TNKT 2
## TACTCGCGTAGCTAAA.1_1	YUCARD	CD4T 1
## TACTCGCGTCTGCGGT.1_1	YUCARD	Mono 3
## TACTCGCGTGAAATCA.1_1	YUCARD	CD4T 6
## TACTCGCGTGATAAAC.1_1	YUCARD	Mono 5
## TACTCGCTCACATAGC.1_1	YUCARD	TNKT 1
## TACTCGCTCCTAGTGA.1_1	YUCARD	CD4T 7
## TACTTACAGAGTGACC.1_1	YUCARD	CD4T 4
## TACTTACAGCGAAGGG.1_1	YUCARD	CD4T 2
## TACTTACAGGGTTTCT.1_1	YUCARD	Mono 4
## TACTTACAGGTACTCT.1_1	YUCARD	CD4T 7
## TACTTACCAAGCCTAT.1_1	YUCARD	TNKT 1
## TACTTACCATCCAACA.1_1	YUCARD	CD4T 2
## TACTTACGTAAAGTCA.1_1	YUCARD	Mono 3
## TACTTACGTGCCTGTG.1_1	YUCARD	CD4T 3
## TACTTACGTGTCGCTG.1_1	YUCARD	CD4T 1
## TACTTACTCACTTATC.1_1	YUCARD	B 2
## TACTTACTCAGGATCT.1_1	YUCARD	Mono 4
## TACTTACTCAGTGCAT.1_1	YUCARD	NK 4
## TACTTACTCATGTCCC.1_1	YUCARD	DC 1
## TACTTACTCATGTGGT.1_1	YUCARD	Mono 9
## TACTTACTCGTACGGC.1_1	YUCARD	Mono 1
## TACTTGTAAGAAGGACA.1_1	YUCARD	Mono 4
## TACTTGTAGCGATATA.1_1	YUCARD	NK 3
## TACTTGTAGGCATGGT.1_1	YUCARD	Mono 4
## TACTTGTAGTTAAGTG.1_1	YUCARD	NK 2
## TACTTGTCAACTGCGC.1_1	YUCARD	Mono 4

## TACTTGTCAATTCACCTT.1_1	YUCARD	CD4T 1
## TACTTGTGTAGCACGA.1_1	YUCARD	B 3
## TACTTGTGTTCCATGA.1_1	YUCARD	CD4T 5
## TACTTGTGTTTGACTG.1_1	YUCARD	B 2
## TACTTGTTCCTAGTGA.1_1	YUCARD	B 2
## TAGACCAAGTTAGCGG.1_1	YUCARD	Mono 9
## TAGACCACAGCGAACA.1_1	YUCARD	B 1
## TAGACCACATCGACGC.1_1	YUCARD	CD4T 1
## TAGACCACATCGGACC.1_1	YUCARD	B 2
## TAGACCACATTCCTGC.1_1	YUCARD	Mono 4
## TAGACCACATTGGCGC.1_1	YUCARD	B 1
## TAGACCATCTTAGCCC.1_1	YUCARD	CD4T 1
## TAGAGCTAGATGCGAC.1_1	YUCARD	CD4T 2
## TAGAGCTAGTACATGA.1_1	YUCARD	CD4T 3
## TAGAGCTGTGCGGAAA.1_1	YUCARD	CD4T 6
## TAGAGCTGTGCAGGTA.1_1	YUCARD	CD4T 4
## TAGAGCTGTTCCACAA.1_1	YUCARD	Mono 1
## TAGCCGGAGTAACCCT.1_1	YUCARD	CD4T 3
## TAGCCGGCACAGATTC.1_1	YUCARD	Mono 4
## TAGCCGGCAGGCAGTA.1_1	YUCARD	Mono 8
## TAGCCGGCATATGGTC.1_1	YUCARD	CD4T 7
## TAGCCGGGTATAGGGC.1_1	YUCARD	B 2
## TAGCCGGGTGCGAAAGC.1_1	YUCARD	CD4T 4
## TAGCCGGGTGCGACTGC.1_1	YUCARD	Mono 5
## TAGCCGGGTCTGCCAG.1_1	YUCARD	Mono 2
## TAGCCGGGTTCTCCA.1_1	YUCARD	CD4T 4
## TAGCCGGTCTACTCAT.1_1	YUCARD	CD8T 1
## TAGCCGGTCTATCGCC.1_1	YUCARD	Mono 8
## TAGGCATAGCGTTCCG.1_1	YUCARD	CD4T 4
## TAGGCATAGGGAGTAA.1_1	YUCARD	Mono 1
## TAGGCATAGTACGTAA.1_1	YUCARD	Mono 2
## TAGGCATAGTATTGGA.1_1	YUCARD	Mono 9
## TAGGCATAGTCATGCT.1_1	YUCARD	Mono 9
## TAGGCATAGTGAAGAG.1_1	YUCARD	CD4T 3
## TAGGCATCAGCAGTTT.1_1	YUCARD	CD4T 7
## TAGGCATCAGTGACAG.1_1	YUCARD	CD4T 2
## TAGGCATGTCTAGCGC.1_1	YUCARD	CD4T 1
## TAGGCATGTGCATCTA.1_1	YUCARD	CD4T 1
## TAGGCATGTGGTTTCA.1_1	YUCARD	B 2
## TAGGCATGTTCGGGCT.1_1	YUCARD	NK 2
## TAGGCATTCCTAGGGC.1_1	YUCARD	Mono 9
## TAGGCATTCGAGAACG.1_1	YUCARD	NK 3
## TAGGCATTCGCTTAGA.1_1	YUCARD	NK 2
## TAGGCATTCGGCTTGG.1_1	YUCARD	TNKT 2
## TAGGCATTCTCAAACG.1_1	YUCARD	CD4T 1
## TAGGCATTCTGCAAGT.1_1	YUCARD	B 2
## TAGTGGTAGGATTCCG.1_1	YUCARD	NK 2
## TAGTGGTAGTCGAGTG.1_1	YUCARD	DC 1
## TAGTGGTCAATGGAAT.1_1	YUCARD	Mono 4
## TAGTGGTCACAAGCCC.1_1	YUCARD	CD4T 4
## TAGTGGTCACGAAGCA.1_1	YUCARD	CD4T 2
## TAGTGGTCAGTCCTTC.1_1	YUCARD	CD4T 7
## TAGTGGTTCCTCAATT.1_1	YUCARD	CD4T 3
## TAGTGGTTCGGCGGTT.1_1	YUCARD	CD4T 2

## TAGTGGTTCTGACCTC.1_1	YUCARD	CD4T 6
## TAGTTGGAGCCGAAA.1_1	YUCARD	NK 3
## TAGTTGGAGTAAGTAC.1_1	YUCARD	Mono 4
## TAGTTGGAGTTAGCGG.1_1	YUCARD	CD4T 4
## TAGTTGGCATCACGTA.1_1	YUCARD	Mono 2
## TAGTTGGCATCTACGA.1_1	YUCARD	Mono 4
## TAGTTGGCATTTGCCC.1_1	YUCARD	CD4T 7
## TAGTTGGGTCGAACAG.1_1	YUCARD	CD4T 4
## TAGTTGGGTCGATTGT.1_1	YUCARD	Mono 4
## TAGTTGGTCAGAGCTT.1_1	YUCARD	Mono 2
## TAGTTGGTCCGCATAA.1_1	YUCARD	CD4T 2
## TATCAGGCAACTGGCC.1_1	YUCARD	CD4T 7
## TATCAGGCAAGGGTCA.1_1	YUCARD	Mono 1
## TATCAGGCAAGTACCT.1_1	YUCARD	NK 4
## TATCAGGGTACATGTC.1_1	YUCARD	NK 2
## TATCAGGGTATCGCAT.1_1	YUCARD	Mono 8
## TATCAGGGTGCACTTA.1_1	YUCARD	CD4T 3
## TATCAGGGTTAAGATG.1_1	YUCARD	Mono 4
## TATCAGGTCACGACTA.1_1	YUCARD	Mono 4
## TATCAGGTCCGTACAA.1_1	YUCARD	NK 2
## TATCAGGTCGCTTAGA.1_1	YUCARD	CD4T 4
## TATCAGGTCTCTTATG.1_1	YUCARD	CD4T 3
## TATCTCAAGAGGTTGC.1_1	YUCARD	DC 1
## TATCTCAAGATAGGAG.1_1	YUCARD	CD4T 1
## TATCTCAAGGACGAAA.1_1	YUCARD	CD4T 1
## TATCTCAGTAAGTAGT.1_1	YUCARD	Mono 2
## TATCTCAGTCGCGTGT.1_1	YUCARD	CD4T 7
## TATCTCAGTGCAACGA.1_1	YUCARD	B 2
## TATCTCAGTTGGTTTG.1_1	YUCARD	Mono 8
## TATCTCATCAGGTTCA.1_1	YUCARD	CD4T 2
## TATCTCATCCCAAGTA.1_1	YUCARD	CD4T 3
## TATCTCATCTGGGCCA.1_1	YUCARD	Mono 8
## TATGCCCAGCCCTAAT.1_1	YUCARD	NK 1
## TATGCCCAGGGTTCCC.1_1	YUCARD	CD4T 6
## TATGCCCCAAACAACA.1_1	YUCARD	Mono 9
## TATGCCCCGTGACCAAG.1_1	YUCARD	Mono 8
## TATGCCCCGTGAGTGAC.1_1	YUCARD	CD4T 6
## TATGCCCCGTTAGGAA.1_1	YUCARD	CD4T 1
## TATGCCCTCCTCAACC.1_1	YUCARD	CD4T 2
## TATTACCAGCCCAGCT.1_1	YUCARD	TNKT 2
## TATTACCAGTGTCAT.1_1	YUCARD	CD4T 7
## TATTACCAGTTGCAGG.1_1	YUCARD	CD4T 1
## TATTACCCAAGCCCAC.1_1	YUCARD	CD4T 1
## TATTACCCAAGTTGTC.1_1	YUCARD	B 2
## TATTACCCAGAAGCAC.1_1	YUCARD	Mono 5
## TATTACCCAGTGGAGT.1_1	YUCARD	CD4T 4
## TATTACCCATGCGCAC.1_1	YUCARD	CD4T 4
## TATTACCGTATAGTAG.1_1	YUCARD	CD4T 1
## TATTACCGTATGGTTC.1_1	YUCARD	B 2
## TATTACCGTCAACTGT.1_1	YUCARD	Mono 9
## TATTACCGTTCACGGC.1_1	YUCARD	CD4T 2
## TATTACCTCCAGATCA.1_1	YUCARD	CD4T 6
## TATTACCTCCGCATCT.1_1	YUCARD	TNKT 1
## TATTACCTCTCAAGTG.1_1	YUCARD	CD4T 2

## TCAACGACACATTCGA.1_1	YUCARD	B 2
## TCAACGAGTACAGTGG.1_1	YUCARD	Mono 2
## TCAACGAGTGGACGAT.1_1	YUCARD	CD4T 7
## TCAACGAGTTAAGACA.1_1	YUCARD	B 2
## TCAACGAGTTGGTAAA.1_1	YUCARD	B 2
## TCAACGAGTTTGTGTG.1_1	YUCARD	CD4T 6
## TCAATCTAGCAAATCA.1_1	YUCARD	TNKT 1
## TCAATCTAGTGCCATT.1_1	YUCARD	CD4T 2
## TCAATCTAGTGGACGT.1_1	YUCARD	Mono 4
## TCAATCTCAATGTAAG.1_1	YUCARD	CD4T 2
## TCAATCTCAGGGTTAG.1_1	YUCARD	CD4T 1
## TCAATCTCAGTCCTTC.1_1	YUCARD	NK 2
## TCAATCTGTACTTCTT.1_1	YUCARD	B 3
## TCAATCTGTGTTCTTT.1_1	YUCARD	CD4T 4
## TCAATCTGTGTTTGTG.1_1	YUCARD	CD4T 6
## TCAATCTGTACTGAC.1_1	YUCARD	Mono 2
## TCAATCTGTTTCGTGAT.1_1	YUCARD	Mono 8
## TCAATCTGTTGGTTTG.1_1	YUCARD	TNKT 2
## TCAATCTTCCGTAGGC.1_1	YUCARD	CD4T 6
## TCAATCTTCGCCAAAT.1_1	YUCARD	CD4T 4
## TCACAAGAGAAACCTA.1_1	YUCARD	CD4T 2
## TCACAAGAGATCTGAA.1_1	YUCARD	TNKT 2
## TCACAAGAGCCCTAAT.1_1	YUCARD	B 2
## TCACAAGAGTCAAGCG.1_1	YUCARD	CD4T 2
## TCACAAGAGTTGTAGA.1_1	YUCARD	CD4T 1
## TCACAAGCAAGCGAGT.1_1	YUCARD	CD4T 6
## TCACAAGCACGTAAGG.1_1	YUCARD	CD4T 5
## TCACAAGCAGTTTACG.1_1	YUCARD	Mono 1
## TCACAAGCATGCTAGT.1_1	YUCARD	TNKT 1
## TCACAAGGTAGCTAAA.1_1	YUCARD	TNKT 2
## TCACAAGGTCTTGTCC.1_1	YUCARD	Mono 4
## TCACAAGGTTATGTGC.1_1	YUCARD	Mono 7
## TCACAAGTCCAAGTAC.1_1	YUCARD	Mono 2
## TCACAAGTCGCATGAT.1_1	YUCARD	CD8T 3
## TCACAAGTCTGGCGTG.1_1	YUCARD	CD4T 1
## TCACGAAAGGAATCGC.1_1	YUCARD	Mono 4
## TCACGAAGTCATATCG.1_1	YUCARD	Mono 9
## TCACGAAGTCCTCTTG.1_1	YUCARD	CD4T 1
## TCACGAAGTGGGTATG.1_1	YUCARD	Mono 8
## TCACGAAGTGTGAAAT.1_1	YUCARD	CD4T 2
## TCACGAAGTTCGTCTC.1_1	YUCARD	CD4T 4
## TCACGAATCAGTGTTG.1_1	YUCARD	B 2
## TCACGAATCGTTGACA.1_1	YUCARD	CD4T 6
## TCACGAATCTGCCAGG.1_1	YUCARD	CD4T 2
## TCAGATGAGCCCAACC.1_1	YUCARD	CD4T 1
## TCAGATGCAAGACGTG.1_1	YUCARD	CD4T 3
## TCAGATGTCGTGACAT.1_1	YUCARD	CD4T 1
## TCAGATGTCTGAGTGT.1_1	YUCARD	CD4T 5
## TCAGCAAAGGCTAGAC.1_1	YUCARD	CD4T 1
## TCAGCAAAGGGCATGT.1_1	YUCARD	TNKT 1
## TCAGCAACAAACCTAC.1_1	YUCARD	Mono 5
## TCAGCAACAAAGGCGT.1_1	YUCARD	CD8T 3
## TCAGCAACAACAACCT.1_1	YUCARD	CD4T 3
## TCAGCAACACAGGCCT.1_1	YUCARD	CD4T 6

## TCAGCAACAGTTCCT.1_1	YUCARD	CD4T 7
## TCAGCAACATGGGACA.1_1	YUCARD	Mono 2
## TCAGCAAGTAGCGCAA.1_1	YUCARD	CD4T 2
## TCAGCAAGTCTCCCTA.1_1	YUCARD	CD4T 1
## TCAGCAAGTTTGTTC.1_1	YUCARD	CD4T 7
## TCAGCAATCCATGAGT.1_1	YUCARD	CD4T 1
## TCAGCAATCCTCATTA.1_1	YUCARD	CD4T 5
## TCAGCAATCGATGAGG.1_1	YUCARD	CD4T 5
## TCAGCTCAGCGTGAAC.1_1	YUCARD	NK 1
## TCAGCTCAGTTGAGAT.1_1	YUCARD	CD4T 3
## TCAGCTCCAAGCTGGA.1_1	YUCARD	CD4T 1
## TCAGCTCCACAGACAG.1_1	YUCARD	Mono 4
## TCAGCTCCATCTACGA.1_1	YUCARD	CD4T 1
## TCAGCTCCATGCATGT.1_1	YUCARD	CD4T 1
## TCAGCTCGTAAGTGGC.1_1	YUCARD	Mono 5
## TCAGCTCGTACTCGCG.1_1	YUCARD	CD4T 5
## TCAGCTCGTATTCTCT.1_1	YUCARD	CD4T 4
## TCAGCTCGTCACCCAG.1_1	YUCARD	B 2
## TCAGCTCGTCCATGAT.1_1	YUCARD	Mono 8
## TCAGCTCGTCTCTCTG.1_1	YUCARD	NK 2
## TCAGCTCGTTCCTTG.1_1	YUCARD	NK 3
## TCAGCTCTCAGGCAAG.1_1	YUCARD	CD4T 5
## TCAGCTCTCGAATCCA.1_1	YUCARD	CD4T 4
## TCAGCTCTCGAGCCCA.1_1	YUCARD	CD4T 3
## TCAGCTCTCGCGATCG.1_1	YUCARD	CD4T 6
## TCAGCTCTCGTAGGAG.1_1	YUCARD	Mono 9
## TCAGGATAGAGTAATC.1_1	YUCARD	Mono 4
## TCAGGATAGCGCCTTG.1_1	YUCARD	NK 2
## TCAGGATAGCTGAACG.1_1	YUCARD	B 2
## TCAGGATAGGATGTAT.1_1	YUCARD	CD4T 7
## TCAGGATAGTAGTGG.1_1	YUCARD	CD4T 4
## TCAGGATAGTCTCAAC.1_1	YUCARD	B 2
## TCAGGATCAACACGCC.1_1	YUCARD	Mono 7
## TCAGGATCAGCTTAAC.1_1	YUCARD	Mono 8
## TCAGGATCAGGAACGT.1_1	YUCARD	CD8T 1
## TCAGGATGTAATCGTC.1_1	YUCARD	Mono 3
## TCAGGATGTAGGCTGA.1_1	YUCARD	CD4T 1
## TCAGGATGTATGAATG.1_1	YUCARD	CD8T 1
## TCAGGATTCTCCTAG.1_1	YUCARD	CD8T 2
## TCAGGATTCTGGCGTG.1_1	YUCARD	B 2
## TCAGGTACAATCCAAC.1_1	YUCARD	CD4T 7
## TCAGGTACACAAGACG.1_1	YUCARD	Mono 9
## TCAGGTAGTATCACCA.1_1	YUCARD	CD4T 1
## TCAGGTAGTCTTCAAG.1_1	YUCARD	NK 2
## TCAGGTATCCGCAGTG.1_1	YUCARD	CD4T 6
## TCAGGTATCGCGTTTC.1_1	YUCARD	Mono 4
## TCAGGTATCTGCTTGC.1_1	YUCARD	Mono 5
## TCATTACAGCAGACTG.1_1	YUCARD	NK 2
## TCATTACAGCTGCGAA.1_1	YUCARD	Mono 4
## TCATTACAGCTGTCTA.1_1	YUCARD	Mono 4
## TCATTACAGTGGTCCC.1_1	YUCARD	Mono 2
## TCATTACCATCCGTGG.1_1	YUCARD	Mono 4
## TCATTACGTACCGGCT.1_1	YUCARD	Mono 4
## TCATTACGTATAAACG.1_1	YUCARD	Mono 5

## TCATTACGTGTGCCTG.1_1	YUCARD	CD4T 5
## TCATTACGTGTTTGG.1_1	YUCARD	NK 3
## TCATTACTCTCCAGGG.1_1	YUCARD	Mono 4
## TCATTACTCTTGTA.1_1	YUCARD	CD4T 4
## TCATTTGAGAAGATTC.1_1	YUCARD	TNKT 1
## TCATTTGAGCGAGAAA.1_1	YUCARD	CD4T 1
## TCATTTGAGCGTGAAC.1_1	YUCARD	CD4T 1
## TCATTTGAGGCATGTG.1_1	YUCARD	CD4T 2
## TCATTTGAGGGCATGT.1_1	YUCARD	NK 2
## TCATTTGAGTACGTAA.1_1	YUCARD	CD4T 1
## TCATTTGCACGAGAGT.1_1	YUCARD	CD4T 1
## TCATTTGCACGTCAGC.1_1	YUCARD	B 2
## TCATTTGCAGGATCGA.1_1	YUCARD	Mono 4
## TCATTTGCATGCAACT.1_1	YUCARD	B 2
## TCATTTGCATGTAGTC.1_1	YUCARD	TNKT 1
## TCATTTGGTAAAGTCA.1_1	YUCARD	Mono 4
## TCATTTGGTAAATGTG.1_1	YUCARD	CD4T 2
## TCATTTGGTATCAGTC.1_1	YUCARD	Mono 3
## TCATTTGGTGAAATCA.1_1	YUCARD	NK 2
## TCATTTGGTGGGTCAA.1_1	YUCARD	Mono 9
## TCATTTGGTTTGTTTC.1_1	YUCARD	CD4T 4
## TCATTTGTCCACGTGG.1_1	YUCARD	CD4T 6
## TCATTTGTCCGTAGGC.1_1	YUCARD	B 1
## TCCACACAGACAAGCC.1_1	YUCARD	Mono 1
## TCCACACAGCGATAGC.1_1	YUCARD	CD8T 3
## TCCACACAGGCATGGT.1_1	YUCARD	Mono 9
## TCCACACAGTACCGGA.1_1	YUCARD	Mono 9
## TCCACACAGTTTAGGA.1_1	YUCARD	Mono 4
## TCCACACCAGAGTGTG.1_1	YUCARD	NK 3
## TCCACACCAGCTGTGC.1_1	YUCARD	CD4T 2
## TCCACACCATAGTAAG.1_1	YUCARD	Mono 3
## TCCACACCATGCCCGA.1_1	YUCARD	B 2
## TCCACACGTA.1_1	YUCARD	Mono 2
## TCCACACTCTGCCCTA.1_1	YUCARD	NK 2
## TCCACACTCTTGCA.1_1	YUCARD	B 2
## TCCACACTCTTGGGTA.1_1	YUCARD	CD4T 3
## TCCCGATAGCCTCGTG.1_1	YUCARD	NK 3
## TCCCGATAGCGTCAAG.1_1	YUCARD	Mono 8
## TCCCGATAGTAGCGGT.1_1	YUCARD	Mono 3
## TCCCGATGTGGTACAG.1_1	YUCARD	TNKT 1
## TCCCGATTCTAACGGT.1_1	YUCARD	CD4T 1
## TCGAGGCAGGTGACCA.1_1	YUCARD	CD4T 1
## TCGAGGCAGGTTCCCTA.1_1	YUCARD	TNKT 2
## TCGAGGCCAACGATCT.1_1	YUCARD	B 2
## TCGAGGCCACCGATAT.1_1	YUCARD	Mono 1
## TCGAGGCGTGCCTGCA.1_1	YUCARD	Mono 5
## TCGAGGCGTGTGGCTC.1_1	YUCARD	CD4T 2
## TCGAGGCTCAGTACGT.1_1	YUCARD	TNKT 1
## TCGAGGCTCATCGGAT.1_1	YUCARD	NK 3
## TCGAGGCTCCTCAATT.1_1	YUCARD	CD8T 1
## TCGAGGCTCTAGAGTC.1_1	YUCARD	CD4T 1
## TCGCGAGAGCTGCAAG.1_1	YUCARD	B 2
## TCGCGAGAGGACGAAA.1_1	YUCARD	CD4T 2
## TCGCGAGGTACCTACA.1_1	YUCARD	CD4T 2

## TCGCGAGTCACCTTAT.1_1	YUCARD	Mono 3
## TCGCGAGTCCTGTAGA.1_1	YUCARD	B 3
## TCGCGTTAGATGTGTA.1_1	YUCARD	CD4T 2
## TCGCGTTCAACTGCGC.1_1	YUCARD	CD4T 1
## TCGCGTTCACATGACT.1_1	YUCARD	Mono 2
## TCGCGTTCATGCCACG.1_1	YUCARD	CD4T 1
## TCGCGTTTTCAAAGTC.1_1	YUCARD	CD4T 1
## TCGGGACAGCATGGCA.1_1	YUCARD	Mono 1
## TCGGGACAGGCAAAGA.1_1	YUCARD	B 2
## TCGGGACCAAAGAATC.1_1	YUCARD	Mono 1
## TCGGGACCACTTAAGC.1_1	YUCARD	CD4T 4
## TCGGGACGTACTTGAC.1_1	YUCARD	TNKT 1
## TCGGGACTCAGTTTGG.1_1	YUCARD	Mono 8
## TCGGGACTCATGCATG.1_1	YUCARD	CD4T 6
## TCGGGACTCCCTTGCA.1_1	YUCARD	CD4T 7
## TCGGGACTCGCCCTTA.1_1	YUCARD	CD4T 3
## TCGGTAAGTATCTCG.1_1	YUCARD	CD4T 4
## TCGGTAACAACCGCCA.1_1	YUCARD	CD4T 2
## TCGGTAAGTAGCGATG.1_1	YUCARD	Mono 4
## TCGGTAAGTCAGGACA.1_1	YUCARD	TNKT 2
## TCGGTAAGTGCATCTA.1_1	YUCARD	Mono 4
## TCGGTAAGTGGAAGA.1_1	YUCARD	Mono 8
## TCGGTAATCACATACG.1_1	YUCARD	CD4T 2
## TCGGTAATCAGTCCCT.1_1	YUCARD	Mono 4
## TCGGTAATCGCGGATC.1_1	YUCARD	CD4T 1
## TCGGTAATCGGTTTCGG.1_1	YUCARD	Mono 3
## TCGGTAATCTGCCCTA.1_1	YUCARD	Mono 7
## TCGGTAATCTGGCGTG.1_1	YUCARD	Mono 4
## TCGTACCAGGCTAGGT.1_1	YUCARD	CD4T 1
## TCGTACCCAGTCACTA.1_1	YUCARD	Mono 2
## TCGTACCGTACACCGC.1_1	YUCARD	TNKT 2
## TCGTACCGTAGCAAAT.1_1	YUCARD	NK 1
## TCGTACCGTGTGACGA.1_1	YUCARD	Mono 8
## TCGTACCTCATCGGAT.1_1	YUCARD	B 2
## TCGTACCTCCTTGGTC.1_1	YUCARD	NK 3
## TCGTAGAAGCTTATCG.1_1	YUCARD	CD4T 1
## TCGTAGAAGGATGGTC.1_1	YUCARD	CD4T 4
## TCGTAGACACATAACC.1_1	YUCARD	CD4T 1
## TCGTAGAGTCTCTCTG.1_1	YUCARD	Mono 9
## TCTATTGAGCGTCTAT.1_1	YUCARD	CD4T 5
## TCTATTGAGTAGGCCA.1_1	YUCARD	B 2
## TCTATTGCACCAACCG.1_1	YUCARD	B 3
## TCTATTGCACCCTATC.1_1	YUCARD	Mono 8
## TCTATTGCATGAACCT.1_1	YUCARD	CD4T 4
## TCTATTGGTGAACCTT.1_1	YUCARD	Mono 4
## TCTATTGTCAACACTG.1_1	YUCARD	NK 1
## TCTATTGTCACTGGGC.1_1	YUCARD	CD4T 1
## TCTATTGTCAGGATCT.1_1	YUCARD	TNKT 1
## TCTCATAAGCACCGCT.1_1	YUCARD	CD4T 1
## TCTCATAAGCTGATAA.1_1	YUCARD	CD4T 6
## TCTCATACAGTGGAGT.1_1	YUCARD	Mono 4
## TCTCATAGTCAGTGGA.1_1	YUCARD	Mono 4
## TCTCATAGTTCACGGC.1_1	YUCARD	CD4T 1
## TCTCATAGTTGCATG.1_1	YUCARD	Mono 5

## TCTCATATCCCTTGTG.1_1	YUCARD	TNKT 1
## TCTCTAAAGACATAAC.1_1	YUCARD	Mono 8
## TCTCTAAAGAGCTGCA.1_1	YUCARD	Mono 9
## TCTCTAAAGATGCCTT.1_1	YUCARD	Mono 2
## TCTCTAACAGGTCGTC.1_1	YUCARD	Mono 4
## TCTCTAACATTGGCGC.1_1	YUCARD	CD4T 2
## TCTCTAAGTACGCTGC.1_1	YUCARD	CD4T 2
## TCTCTAAGTGCCTTGG.1_1	YUCARD	Mono 8
## TCTCTAAGTGTAATGA.1_1	YUCARD	CD4T 1
## TCTCTAAGTTCGTCTC.1_1	YUCARD	CD4T 2
## TCTCTAAGTTCGTTGA.1_1	YUCARD	TNKT 1
## TCTGAGAAGCAAATCA.1_1	YUCARD	Mono 1
## TCTGAGAGTAAGGGCT.1_1	YUCARD	CD4T 4
## TCTGAGATCTGTCTCG.1_1	YUCARD	Mono 4
## TCTGGAAAGAGCTTCT.1_1	YUCARD	Mono 3
## TCTGGAACATTAACCG.1_1	YUCARD	CD8T 1
## TCTGGAATCCGGCACA.1_1	YUCARD	CD4T 1
## TCTGGAATCGGATGGA.1_1	YUCARD	CD4T 1
## TCTGGAATCTAACTGG.1_1	YUCARD	Mono 2
## TCTTCGGAGACTAAGT.1_1	YUCARD	NK 2
## TCTTCGGAGGGCTTGA.1_1	YUCARD	CD4T 3
## TCTTCGGAGTGGAGAA.1_1	YUCARD	CD4T 7
## TCTTCGGCATATGGTC.1_1	YUCARD	DC 1
## TCTTCGGCATGTTCCC.1_1	YUCARD	Mono 7
## TCTTCGGGTAAACACA.1_1	YUCARD	B 2
## TCTTCGGGTACAGTGG.1_1	YUCARD	Mono 4
## TCTTCGGGTACGAAAT.1_1	YUCARD	Mono 8
## TCTTCGGGTGCCTTGG.1_1	YUCARD	Mono 9
## TCTTCGGGTTGACGTT.1_1	YUCARD	Mono 4
## TCTTCGGTCGATAGAA.1_1	YUCARD	Mono 5
## TCTTCGGTCTGAGGGA.1_1	YUCARD	Mono 2
## TCTTTCCCACACAGAG.1_1	YUCARD	TNKT 1
## TCTTTCCCAGAGTGTG.1_1	YUCARD	Mono 7
## TCTTTCCGTGGTGTAG.1_1	YUCARD	Mono 4
## TCTTTCCCTACCGGGT.1_1	YUCARD	Mono 8
## TCTTTCCCTCTTCATGT.1_1	YUCARD	Mono 4
## TGAAAGAAGACGCAAC.1_1	YUCARD	CD8T 2
## TGAAAGAAGCTAGTTC.1_1	YUCARD	NK 2
## TGAAAGAAGGCATGGT.1_1	YUCARD	CD4T 1
## TGAAAGACAGTATAAG.1_1	YUCARD	TNKT 1
## TGAAAGACATCCTTGC.1_1	YUCARD	CD4T 1
## TGAAAGAGTGGTAACG.1_1	YUCARD	CD8T 1
## TGAAAGAGTCCAACA.1_1	YUCARD	CD4T 1
## TGAAAGAGTTCGTCTC.1_1	YUCARD	Mono 7
## TGAAAGATCTCCAACC.1_1	YUCARD	Mono 7
## TGACAACAGAAGGGTA.1_1	YUCARD	CD8T 2
## TGACAACAGTATCTCG.1_1	YUCARD	CD8T 2
## TGACAACCACGAAGCA.1_1	YUCARD	Mono 4
## TGACAACCACTGAAGG.1_1	YUCARD	CD4T 2
## TGACAACCAGCCAATT.1_1	YUCARD	CD4T 4
## TGACAACCATCTCAT.1_1	YUCARD	CD4T 7
## TGACAACGTCAAAGCG.1_1	YUCARD	CD4T 6
## TGACAACGTGAGAAGC.1_1	YUCARD	CD4T 1
## TGACAACGTGACAAAT.1_1	YUCARD	CD4T 3

## TGACAACGTGCTTCTC.1_1	YUCARD	NK 3
## TGACAACGTGTGCCTG.1_1	YUCARD	B 2
## TGACAACGTTTGTTGG.1_1	YUCARD	CD4T 1
## TGACGGCAGAAGGACA.1_1	YUCARD	Mono 5
## TGACGGCAGACCGGAT.1_1	YUCARD	Mono 9
## TGACGGCAGATAGCAT.1_1	YUCARD	Mono 4
## TGACGGCAGGCAAAGA.1_1	YUCARD	Mono 5
## TGACGGCCAACACGCC.1_1	YUCARD	B 3
## TGACGGCCAAGGACTG.1_1	YUCARD	Mono 1
## TGACGGCCACAGCCCA.1_1	YUCARD	B 2
## TGACGGCCATAGACTC.1_1	YUCARD	Mono 9
## TGACGGCCATCAGTAC.1_1	YUCARD	CD4T 3
## TGACGGCCATTGGGCC.1_1	YUCARD	Mono 4
## TGACGGCGTACAGACG.1_1	YUCARD	CD4T 3
## TGACGGCGTATCAGTC.1_1	YUCARD	Mono 7
## TGACGGCTCTTCGAGA.1_1	YUCARD	CD4T 1
## TGACGGCTCTTTACGT.1_1	YUCARD	CD4T 2
## TGACTAGAGGCAATTA.1_1	YUCARD	Mono 4
## TGACTAGCAAGCCAC.1_1	YUCARD	CD4T 4
## TGACTAGCAAGCTGGA.1_1	YUCARD	CD4T 7
## TGACTAGCACCCATTC.1_1	YUCARD	B 2
## TGACTAGCACGGTTTA.1_1	YUCARD	CD4T 2
## TGACTAGGTAGCCTAT.1_1	YUCARD	CD4T 2
## TGACTAGGTGACGGTA.1_1	YUCARD	CD4T 2
## TGACTAGTCCTGCCAT.1_1	YUCARD	CD4T 4
## TGACTAGTCGAATGCT.1_1	YUCARD	Mono 4
## TGACTAGTCGGACAAG.1_1	YUCARD	Mono 9
## TGACTAGTCTGAGTGT.1_1	YUCARD	Mono 7
## TGACTTTAGCTGATAA.1_1	YUCARD	CD4T 2
## TGACTTTAGGGAGTAA.1_1	YUCARD	Mono 4
## TGACTTTAGTCAATAG.1_1	YUCARD	CD8T 1
## TGACTTTCAACGCACC.1_1	YUCARD	CD4T 2
## TGACTTTCAAGAGGCT.1_1	YUCARD	NK 3
## TGACTTTCACCGTTGG.1_1	YUCARD	Mono 3
## TGACTTTCAGTCAGCC.1_1	YUCARD	Mono 4
## TGACTTTTCATGCATGT.1_1	YUCARD	CD8T 1
## TGACTTTGTCTAGGTT.1_1	YUCARD	B 2
## TGACTTTTCATTGCCC.1_1	YUCARD	CD4T 5
## TGACTTTTCCACGACG.1_1	YUCARD	Mono 7
## TGACTTTTTCGCGTTTC.1_1	YUCARD	B 2
## TGACTTTTTCGGTGTTA.1_1	YUCARD	CD4T 2
## TGACTTTTCTGGCGTG.1_1	YUCARD	Mono 4
## TGAGAGGAGAAGGTTT.1_1	YUCARD	CD4T 6
## TGAGAGGCAGATGAGC.1_1	YUCARD	Mono 5
## TGAGAGGGTCCAAGTT.1_1	YUCARD	NK 1
## TGAGAGGGTGTCTGAT.1_1	YUCARD	DC 1
## TGAGAGGGTTACGTCA.1_1	YUCARD	TNKT 2
## TGAGAGGGTTGGTTTG.1_1	YUCARD	CD4T 4
## TGAGAGGTCACAGTAC.1_1	YUCARD	Mono 2
## TGAGAGGTCATCTGCC.1_1	YUCARD	TNKT 1
## TGAGAGGTCCAGAAGG.1_1	YUCARD	CD4T 1
## TGAGAGGTCTAACTCT.1_1	YUCARD	NK 1
## TGAGAGGTCTCCCTGA.1_1	YUCARD	CD4T 1
## TGAGCATAGACTTTTCG.1_1	YUCARD	CD4T 3

## TGAGCATAGCACACAG.1_1	YUCARD	CD4T 6
## TGAGCATAGGCTAGGT.1_1	YUCARD	NK 3
## TGAGCATAGGTGATAT.1_1	YUCARD	NK 1
## TGAGCATAGGTTCCCTA.1_1	YUCARD	NK 2
## TGAGCATAGTTACCCA.1_1	YUCARD	CD4T 1
## TGAGCATCACTTAAGC.1_1	YUCARD	NK 2
## TGAGCATCATCACGTA.1_1	YUCARD	NK 1
## TGAGCATCATGGTCAT.1_1	YUCARD	CD4T 4
## TGAGCATTCAAACCAC.1_1	YUCARD	Mono 1
## TGAGCATTCGCTTAGA.1_1	YUCARD	NK 2
## TGAGCCGAGACTAGAT.1_1	YUCARD	CD4T 1
## TGAGCCGAGATCCCGC.1_1	YUCARD	CD4T 1
## TGAGCCGCAGCTCCGA.1_1	YUCARD	CD4T 1
## TGAGCCGCATATACCG.1_1	YUCARD	CD4T 4
## TGAGCCGGTTTGCATG.1_1	YUCARD	Mono 4
## TGAGCCGTCTGCTGTC.1_1	YUCARD	Mono 4
## TGAGCCGTCTTGTA.1_1	YUCARD	CD4T 2
## TGAGGGAAGAACAATC.1_1	YUCARD	CD4T 1
## TGAGGGAGTAGCGTGA.1_1	YUCARD	Mono 4
## TGAGGGAGTCTGCCAG.1_1	YUCARD	NK 4
## TGAGGGAGTGCTCTTC.1_1	YUCARD	CD4T 2
## TGAGGGAGTTGGTAAA.1_1	YUCARD	CD4T 7
## TGAGGGATCCAGAGGA.1_1	YUCARD	NK 2
## TGATTTCCAGCAGCGTA.1_1	YUCARD	Mono 1
## TGATTTCCAGCGCTTAT.1_1	YUCARD	Mono 1
## TGATTTCCAGTGATCGG.1_1	YUCARD	CD4T 5
## TGATTTCCAAGTTCTG.1_1	YUCARD	CD4T 4
## TGATTTCCAGTATGCT.1_1	YUCARD	CD8T 3
## TGATTTCCAGTCGTGC.1_1	YUCARD	CD4T 1
## TGATTTCCATTGGCGC.1_1	YUCARD	CD4T 1
## TGATTTCTCAGTCAGCGC.1_1	YUCARD	Mono 4
## TGATTTCTCATCTGCC.1_1	YUCARD	Mono 5
## TGATTTCTCCAACCAA.1_1	YUCARD	CD4T 5
## TGATTTCTCGTATCAG.1_1	YUCARD	Mono 5
## TGCACCTAGGTGATTA.1_1	YUCARD	B 2
## TGCACCTCAATCGGTT.1_1	YUCARD	CD4T 6
## TGCACCTCAGGAATCG.1_1	YUCARD	CD4T 7
## TGCACCTCAGTAGAGC.1_1	YUCARD	CD4T 2
## TGCACCTCATACAGCT.1_1	YUCARD	Mono 8
## TGCACCTCATATACCG.1_1	YUCARD	CD4T 1
## TGCACCTGTCAACATC.1_1	YUCARD	Mono 8
## TGCACCTGTCCCTACT.1_1	YUCARD	CD4T 2
## TGCACCTGTCCCGAG.1_1	YUCARD	Mono 4
## TGCACCTTCAACTCTT.1_1	YUCARD	B 3
## TGCACCTTCAGGCCCA.1_1	YUCARD	Mono 1
## TGCACCTTCCCGGATG.1_1	YUCARD	CD4T 2
## TGCACCTTCTTACCTA.1_1	YUCARD	Mono 4
## TGCCAAAAGTAATCCC.1_1	YUCARD	CD4T 3
## TGCCAAAAGTGAACGC.1_1	YUCARD	CD4T 1
## TGCCAAAAGTTAGCGG.1_1	YUCARD	Mono 5
## TGCCAAACAGCCTTGG.1_1	YUCARD	Mono 7
## TGCCAAACAGGAACGT.1_1	YUCARD	TNKT 1
## TGCCAAAGTAAGTGGC.1_1	YUCARD	Mono 1
## TGCCAAATCACAGTAC.1_1	YUCARD	Mono 4

## TGCCCATAGCGCCTCA.1_1	YUCARD	CD4T 4
## TGCCCATCACATTAGC.1_1	YUCARD	B 3
## TGCCCATCATATACGC.1_1	YUCARD	CD8T 2
## TGCCCATTCATCGCTC.1_1	YUCARD	Mono 4
## TGCCCATTCCCAACGG.1_1	YUCARD	CD4T 1
## TGCCCTAAGCACCGTC.1_1	YUCARD	CD4T 3
## TGCCCTAAGGAGTACC.1_1	YUCARD	CD8T 3
## TGCCCTAAGTGTTAGA.1_1	YUCARD	CD8T 3
## TGCCCTACAGGAATCG.1_1	YUCARD	DC 1
## TGCCCTACATCACGAT.1_1	YUCARD	Mono 7
## TGCCCTAGTGTGCCTG.1_1	YUCARD	NK 2
## TGCCCTAGTTGGTGG.1_1	YUCARD	CD4T 6
## TGCCCTATCAATACCG.1_1	YUCARD	CD4T 4
## TGCCCTATCCTCTAGC.1_1	YUCARD	Mono 7
## TGCGCAGAGAGGGCTT.1_1	YUCARD	Mono 8
## TGCGCAGAGTAGATGT.1_1	YUCARD	CD4T 1
## TGCGCAGCACCTATC.1_1	YUCARD	Mono 4
## TGCGCAGCATGATCCA.1_1	YUCARD	Mono 1
## TGCGCAGCATTTCACT.1_1	YUCARD	CD4T 7
## TGCGCAGGTCAAGCGA.1_1	YUCARD	CD4T 1
## TGCGCAGGTGTTGGGA.1_1	YUCARD	Mono 2
## TGCGCAGTCTTGTATC.1_1	YUCARD	CD4T 4
## TGCGGGTAGAAACGCC.1_1	YUCARD	Mono 8
## TGCGGGTCACCAGTTA.1_1	YUCARD	NK 1
## TGCGGGTCACCCATTC.1_1	YUCARD	CD4T 2
## TGCGGGTCATGTCCTC.1_1	YUCARD	Mono 5
## TGCGGGTCATTCCTGC.1_1	YUCARD	NK 4
## TGCGGGTGTACACCGC.1_1	YUCARD	CD4T 1
## TGCGGGTGTGACTAT.1_1	YUCARD	CD4T 7
## TGCGGGTGTGTTGTA.1_1	YUCARD	CD4T 1
## TGCGGGTGTGGTTTG.1_1	YUCARD	B 3
## TGCGGGTTCTTCATGT.1_1	YUCARD	Mono 1
## TGCGTGGAGAACAATC.1_1	YUCARD	Mono 4
## TGCGTGGAGGGTGTTG.1_1	YUCARD	Mono 8
## TGCGTGGAGTGGGATC.1_1	YUCARD	CD4T 5
## TGCGTGGCAGACTCGC.1_1	YUCARD	Mono 4
## TGCGTGGCAGTGGAGT.1_1	YUCARD	NK 4
## TGCGTGGGTCCGAACC.1_1	YUCARD	CD4T 1
## TGCGTGGGTCCGCTGA.1_1	YUCARD	Mono 8
## TGCGTGGGTGATAAGT.1_1	YUCARD	CD4T 4
## TGCGTGGGTGGCGAAT.1_1	YUCARD	CD4T 1
## TGCGTGGTCCTCAACC.1_1	YUCARD	Mono 4
## TGCTACCAGGAATCGC.1_1	YUCARD	NK 1
## TGCTACCAGGGTCGAT.1_1	YUCARD	CD4T 4
## TGCTACCAGTAGGCCA.1_1	YUCARD	Mono 2
## TGCTACCCAAATCCGT.1_1	YUCARD	CD4T 4
## TGCTACCCAGATCTGT.1_1	YUCARD	CD4T 6
## TGCTACCGTTAGAACA.1_1	YUCARD	TNKT 1
## TGCTACCTCCGTCATC.1_1	YUCARD	CD4T 5
## TGCTACCTCTCGCTTG.1_1	YUCARD	CD8T 1
## TGCTGCTAGACACTAA.1_1	YUCARD	NK 1
## TGCTGCTAGACCTTTG.1_1	YUCARD	B 1
## TGCTGCTAGATGTCGG.1_1	YUCARD	Mono 8
## TGCTGCTAGCCGTCGT.1_1	YUCARD	Mono 7

## TGCTGCTCACAACGCC.1_1	YUCARD	CD4T 7
## TGCTGCTCACAAGCCC.1_1	YUCARD	NK 1
## TGCTGCTCATCCCATC.1_1	YUCARD	CD4T 3
## TGCTGCTGTGGAACAG.1_1	YUCARD	Mono 1
## TGCTGCTGTCTTCAAG.1_1	YUCARD	Mono 8
## TGCTGCTTCATCGCTC.1_1	YUCARD	NK 2
## TGCTGCTTCGCGATCG.1_1	YUCARD	TNKT 1
## TGCTGCTTCTGCGACG.1_1	YUCARD	CD4T 6
## TGGACGCAGACGACGT.1_1	YUCARD	Mono 8
## TGGACGCAGATCCTGT.1_1	YUCARD	CD4T 5
## TGGACGCCAATCACAC.1_1	YUCARD	Mono 8
## TGGACGCCAGACTCGC.1_1	YUCARD	NK 2
## TGGACGCCATCTACGA.1_1	YUCARD	Mono 2
## TGGACGCGTCAAAGAT.1_1	YUCARD	CD4T 1
## TGGCCAGAGCCTATGT.1_1	YUCARD	CD8T 1
## TGGCCAGAGTGA CTCT.1_1	YUCARD	Mono 4
## TGGCCAGCACAGGCC.1_1	YUCARD	Mono 7
## TGGCCAGCACAGGCC.1_1	YUCARD	CD4T 2
## TGGCCAGCAGACGCAA.1_1	YUCARD	DC 1
## TGGCCAGCATTGCGGC.1_1	YUCARD	CD4T 6
## TGGCCAGGTAGCGCAA.1_1	YUCARD	Mono 5
## TGGCCAGGTCCGTTAA.1_1	YUCARD	TNKT 1
## TGGCCAGGTGATTGT.1_1	YUCARD	Mono 1
## TGGCCAGGTCTAGTGT.1_1	YUCARD	NK 1
## TGGCCAGGTCTCTTAT.1_1	YUCARD	CD4T 3
## TGGCCAGGTTGTACAC.1_1	YUCARD	Mono 4
## TGGCCAGTCCACGCAG.1_1	YUCARD	CD4T 6
## TGGCCAGTCGCTTAGA.1_1	YUCARD	Mono 7
## TGGCCAGTCTTGAGGT.1_1	YUCARD	NK 3
## TGGCGCACAACACCCG.1_1	YUCARD	NK 1
## TGGCGCACAATACGCT.1_1	YUCARD	Mono 4
## TGGCGCACACTTCTGC.1_1	YUCARD	CD4T 1
## TGGCGCACAGCGTTTCG.1_1	YUCARD	CD4T 5
## TGGCGCAGTCCAGTTA.1_1	YUCARD	CD4T 2
## TGGCGCAGTCTAAACC.1_1	YUCARD	CD4T 1
## TGGCGCAGTTGAGGTG.1_1	YUCARD	Mono 4
## TGGCGCATCAAAGTC.1_1	YUCARD	CD4T 7
## TGGCGCATCTTCAACT.1_1	YUCARD	CD4T 2
## TGGCTGGAGTGGTAAT.1_1	YUCARD	Mono 9
## TGGCTGGCAACACCCG.1_1	YUCARD	NK 2
## TGGCTGGCATCGGTTA.1_1	YUCARD	Mono 4
## TGGCTGGCATTTTCAGG.1_1	YUCARD	CD4T 6
## TGGCTGGGTGTAATGA.1_1	YUCARD	CD4T 3
## TGGCTGGTCTGACCTC.1_1	YUCARD	NK 2
## TGGGAAGAGATCCCGC.1_1	YUCARD	Mono 3
## TGGGAAGAGGGCATGT.1_1	YUCARD	CD4T 1
## TGGGAAGCAAACGCGA.1_1	YUCARD	CD4T 7
## TGGGAAGTCAGGCAAG.1_1	YUCARD	Mono 5
## TGGGAAGTCTGATTCT.1_1	YUCARD	Mono 7
## TGGGCGTAGACTTGAA.1_1	YUCARD	Mono 9
## TGGGCGTAGGAGTCTG.1_1	YUCARD	Mono 8
## TGGGCGTAGGATCGCA.1_1	YUCARD	CD4T 3
## TGGGCGTAGGGATCTG.1_1	YUCARD	CD4T 5
## TGGGCGTCAAGTCTGT.1_1	YUCARD	CD4T 3

## TGGGCGTCAATGTTGC.1_1	YUCARD	Mono 4
## TGGGCGTCAGTCGATT.1_1	YUCARD	Mono 4
## TGGGCGTGTCCATCCCT.1_1	YUCARD	CD4T 4
## TGGGCGTGTCCATCGGC.1_1	YUCARD	CD4T 6
## TGGGCGTTCTACGAGT.1_1	YUCARD	B 1
## TGGGCGTTCTGAAAGA.1_1	YUCARD	Mono 8
## TGGTTAGAGAGCCTAG.1_1	YUCARD	B 2
## TGGTTAGAGCTAGTGG.1_1	YUCARD	CD4T 1
## TGGTTAGCACATGACT.1_1	YUCARD	CD8T 1
## TGGTTAGCACTACAGT.1_1	YUCARD	Mono 4
## TGGTTAGCAGCAGTTT.1_1	YUCARD	CD4T 3
## TGGTTAGGTAAATGAC.1_1	YUCARD	TNKT 1
## TGGTTAGGTACAGCAG.1_1	YUCARD	TNKT 1
## TGGTTAGGTCAACATC.1_1	YUCARD	Mono 8
## TGGTTAGTCGAGAACG.1_1	YUCARD	Mono 8
## TGGTTCCAGAAGGACA.1_1	YUCARD	NK 1
## TGGTTCCAGCGTGTCC.1_1	YUCARD	CD4T 1
## TGGTTCCAGGACAGAA.1_1	YUCARD	Mono 8
## TGGTTCCAGTGGAGTC.1_1	YUCARD	Mono 4
## TGGTTCCAGTGTACCT.1_1	YUCARD	CD4T 1
## TGGTTCCCAAGCCGCT.1_1	YUCARD	TNKT 1
## TGGTTCCACATAACC.1_1	YUCARD	CD4T 2
## TGGTTCCACATGACT.1_1	YUCARD	CD4T 4
## TGGTTCCCAGGCTGAA.1_1	YUCARD	Mono 5
## TGGTTCCCAGTTCATG.1_1	YUCARD	CD4T 7
## TGGTTCCCATCACGTA.1_1	YUCARD	CD4T 2
## TGGTTCCCATGCCACG.1_1	YUCARD	CD4T 1
## TGGTTCCGTCCGCTGA.1_1	YUCARD	CD4T 2
## TGGTTCCGTCTCTCTG.1_1	YUCARD	NK 1
## TGGTTCCGTTATGCGT.1_1	YUCARD	Mono 9
## TGGTTCCGTTGTGGCC.1_1	YUCARD	CD4T 2
## TGGTTCCCTCACATGCA.1_1	YUCARD	CD4T 2
## TGGTTCCCTCCGAATGT.1_1	YUCARD	CD4T 1
## TGGTTCCCTCGATAGAA.1_1	YUCARD	Mono 9
## TGTATTCCAGACAAGCC.1_1	YUCARD	CD4T 2
## TGTATTCCAGACTGTAA.1_1	YUCARD	CD4T 7
## TGTATTCCAGCACACAG.1_1	YUCARD	CD4T 3
## TGTATTCCAGTGGTAAT.1_1	YUCARD	CD4T 1
## TGTATTCCAGTTCGATC.1_1	YUCARD	Mono 5
## TGTATTCCAACCGCCA.1_1	YUCARD	CD4T 6
## TGTATTCCACCAGCAC.1_1	YUCARD	TNKT 1
## TGTATTCCAGGGTACA.1_1	YUCARD	NK 4
## TGTATTCCATACGCCG.1_1	YUCARD	Mono 1
## TGTATTCCGTCTCGTTC.1_1	YUCARD	CD4T 1
## TGTATTCCGTCTGTTT.1_1	YUCARD	CD4T 6
## TGTATTCTCCACGTTC.1_1	YUCARD	Mono 3
## TGTATTCTCGTCCAGG.1_1	YUCARD	CD4T 2
## TGTATTCTCTAACCGA.1_1	YUCARD	Mono 8
## TGTATTCTCTGCAGTA.1_1	YUCARD	NK 1
## TGTATTCTCTGGTATG.1_1	YUCARD	Mono 4
## TGTCCCACAATAACGA.1_1	YUCARD	B 3
## TGTCCCACAATAGCAA.1_1	YUCARD	CD4T 1
## TGTCCCACACCCAGTG.1_1	YUCARD	NK 3
## TGTCCCAGTCCAGTGC.1_1	YUCARD	CD4T 1

## TGTCCCATCAATCTCT.1_1	YUCARD	TNKT 1
## TGTCCCATCGTATCAG.1_1	YUCARD	CD4T 7
## TGTGGTAAGAGACTAT.1_1	YUCARD	Mono 9
## TGTGGTACAAACTGTC.1_1	YUCARD	Mono 8
## TGTGGTACAATCCAAC.1_1	YUCARD	Mono 2
## TGTGGTACACCGAATT.1_1	YUCARD	Mono 7
## TGTGGTACAGCTTCGG.1_1	YUCARD	Mono 1
## TGTGGTACATGCGCAC.1_1	YUCARD	CD4T 7
## TGTGGTACATGCTGGC.1_1	YUCARD	CD4T 5
## TGTGGTAGTGATGATA.1_1	YUCARD	Mono 8
## TGTGGTATCTGAAAGA.1_1	YUCARD	Mono 4
## TGTGTTTAGCTGAACG.1_1	YUCARD	Mono 4
## TGTGTTTAGTACACCT.1_1	YUCARD	CD4T 2
## TGTGTTTAGTACATGA.1_1	YUCARD	B 2
## TGTGTTTCACCATGTA.1_1	YUCARD	TNKT 1
## TGTGTTTCAGCCAGAA.1_1	YUCARD	NK 4
## TGTGTTTCAGTCTTCC.1_1	YUCARD	CD4T 1
## TGTGTTTGTGTTTGGT.1_1	YUCARD	NK 2
## TGTTCCGAGACACTAA.1_1	YUCARD	Mono 5
## TGTTCCGAGAGCCCAA.1_1	YUCARD	NK 2
## TGTTCCGAGCCCAGCT.1_1	YUCARD	B 3
## TGTTCCGAGTCATCCA.1_1	YUCARD	Mono 2
## TGTTCCGAGTGGGTTG.1_1	YUCARD	Mono 9
## TGTTCCGAGTTCGATC.1_1	YUCARD	Mono 7
## TGTTCCGCAAGAAAGG.1_1	YUCARD	CD4T 6
## TGTTCCGCACAGAGGT.1_1	YUCARD	NK 2
## TGTTCCGCATCTGGTA.1_1	YUCARD	Mono 7
## TGTTCCGCATGCCTTC.1_1	YUCARD	CD4T 1
## TGTTCCGGTCATATGC.1_1	YUCARD	Mono 4
## TGTTCCGGTCCGTTAA.1_1	YUCARD	Mono 4
## TGTTCCGGTCCGATCG.1_1	YUCARD	TNKT 2
## TGTTCCGGTTAGTGGG.1_1	YUCARD	Mono 7
## TGTTCCGTCAACCATG.1_1	YUCARD	CD4T 3
## TGTTCCGTCTGCTGCC.1_1	YUCARD	CD8T 2
## TGTTCCGTCTGCTGCT.1_1	YUCARD	CD4T 5
## TGTTCCGTCTGTTGAG.1_1	YUCARD	CD8T 2
## TTAACCTCAGCTGTTCA.1_1	YUCARD	CD4T 4
## TTAACCTCAGGAGTAGA.1_1	YUCARD	TNKT 1
## TTAACCTCAGTACCGGA.1_1	YUCARD	NK 1
## TTAACCTCCAATGGAAT.1_1	YUCARD	CD4T 3
## TTAACCTCCAGCAGTTT.1_1	YUCARD	DC 1
## TTAACCTCCAGCGTAAG.1_1	YUCARD	CD4T 3
## TTAACCTCCATCGGTTA.1_1	YUCARD	Mono 4
## TTAACCTCCATGCAATC.1_1	YUCARD	CD4T 5
## TTAACCTCGTTATTCTC.1_1	YUCARD	Mono 7
## TTAGGACAGCGAGAAA.1_1	YUCARD	CD4T 7
## TTAGGACAGCTAGTCT.1_1	YUCARD	CD4T 6
## TTAGGACAGCTTATCG.1_1	YUCARD	TNKT 1
## TTAGGACAGGCCCTTG.1_1	YUCARD	CD8T 1
## TTAGGACCACATCCGG.1_1	YUCARD	Mono 3
## TTAGGACCACGCTTTC.1_1	YUCARD	Mono 4
## TTAGGACCACTAGTAC.1_1	YUCARD	Mono 4
## TTAGGACCATTGAGCT.1_1	YUCARD	CD4T 1
## TTAGGACGTAAGGATT.1_1	YUCARD	CD4T 6

## TTAGGACGTAGCACGA.1_1	YUCARD	NK 3
## TTAGGACGTTCTGAAC.1_1	YUCARD	Mono 4
## TTAGGACTCAGATAAG.1_1	YUCARD	B 2
## TTAGGCAGTACAAGTA.1_1	YUCARD	Mono 8
## TTAGGCAGTCTAGCGC.1_1	YUCARD	CD4T 3
## TTAGGCAGTGCAACTT.1_1	YUCARD	TNKT 2
## TTAGGCATCACAGGCC.1_1	YUCARD	CD4T 3
## TTAGGCATCACCTTAT.1_1	YUCARD	Mono 3
## TTAGGCATCGTTTGCC.1_1	YUCARD	CD4T 3
## TTAGTTCAGACAAGCC.1_1	YUCARD	B 2
## TTAGTTCAGAGGTTGC.1_1	YUCARD	B 2
## TTAGTTCAGATCCTGT.1_1	YUCARD	CD4T 1
## TTAGTTCCAAACGTGG.1_1	YUCARD	CD4T 6
## TTAGTTCCTCAACTGGCC.1_1	YUCARD	CD4T 3
## TTAGTTCGTAGCTAAA.1_1	YUCARD	NK 1
## TTAGTTCGTTCCTCGAG.1_1	YUCARD	Mono 4
## TTAGTTCCTCGCTTAGA.1_1	YUCARD	Mono 5
## TTAGTTCCTCGTCGTTT.1_1	YUCARD	CD4T 1
## TTATGCTAGCCCAGCT.1_1	YUCARD	B 2
## TTATGCTCAAACAACA.1_1	YUCARD	NK 1
## TTATGCTCAATGAATG.1_1	YUCARD	Mono 4
## TTATGCTCAATGGATA.1_1	YUCARD	B 3
## TTATGCTGTCGGCACT.1_1	YUCARD	Mono 8
## TTATGCTTCACGCGGT.1_1	YUCARD	NK 2
## TTATGCTTCACGGTTA.1_1	YUCARD	CD4T 4
## TTATGCTTCAGGATCT.1_1	YUCARD	CD4T 5
## TTATGCTTCTCTAAGG.1_1	YUCARD	Mono 4
## TTATGCTTCTGGCGTG.1_1	YUCARD	CD4T 7
## TTATGCTTCTTGCCGT.1_1	YUCARD	CD4T 5
## TTTCCAGAGTTTCCTT.1_1	YUCARD	NK 1
## TTTCCAGCAATTCCTT.1_1	YUCARD	NK 1
## TTTCCAGCACAGACTT.1_1	YUCARD	NK 3
## TTTCCAGCAGGTGGAT.1_1	YUCARD	Mono 7
## TTTCCAGGTATGGTTC.1_1	YUCARD	CD4T 2
## TTTCCAGGTCACACGC.1_1	YUCARD	Mono 7
## TTTCCAGGTTGAGGTG.1_1	YUCARD	Mono 8
## TTTCCAGTCCCATTAT.1_1	YUCARD	CD8T 1
## TTTCCAGTCCCATTTA.1_1	YUCARD	Mono 8
## TTTCCAGTCTCAAACG.1_1	YUCARD	Mono 9
## TTTCCAGTCTGTTTGT.1_1	YUCARD	Mono 8
## TTTCCAGTCTTTAGTC.1_1	YUCARD	CD8T 1
## TTCGAAGAGCAAATCA.1_1	YUCARD	Mono 5
## TTCGAAGAGGAATTAC.1_1	YUCARD	Mono 2
## TTCGAAGAGGCTCAGA.1_1	YUCARD	NK 2
## TTCGAAGCAAACCCAT.1_1	YUCARD	CD4T 4
## TTCGAAGCAATAGCGG.1_1	YUCARD	Mono 5
## TTCGAAGCACAAGACG.1_1	YUCARD	Mono 5
## TTCGAAGCACTTGAT.1_1	YUCARD	CD4T 6
## TTCGAAGCATAAAGGT.1_1	YUCARD	CD8T 2
## TTCGAAGCATGGTTGT.1_1	YUCARD	CD4T 4
## TTCGAAGTCACAATGC.1_1	YUCARD	B 2
## TTCGAAGTCTGCAAGT.1_1	YUCARD	CD4T 1
## TTCGGTCAGGAGTAGA.1_1	YUCARD	Mono 9
## TTCGGTCAGTGAAGAG.1_1	YUCARD	CD4T 1

## TTCGGTCAGTTGAGAT.1_1	YUCARD	B 3
## TTCGGTCCACTTGGAT.1_1	YUCARD	B 2
## TTCGGTCCATGCTGGC.1_1	YUCARD	B 2
## TTCGGTCCATTTCAGG.1_1	YUCARD	CD4T 3
## TTCGGTCGTAAAGTCA.1_1	YUCARD	NK 1
## TTCGGTCTCAACGAAA.1_1	YUCARD	NK 3
## TTCGGTCTCGATGAGG.1_1	YUCARD	Mono 5
## TTCGGTCTCTGCTGCT.1_1	YUCARD	CD4T 2
## TTCTACACACTGTGTA.1_1	YUCARD	B 2
## TTCTACACATGCCCGA.1_1	YUCARD	CD4T 1
## TTCTACAGTCCATCCT.1_1	YUCARD	B 2
## TTCTACAGTGATAAGT.1_1	YUCARD	TNKT 1
## TTCTACAGTGCTAGCC.1_1	YUCARD	CD8T 3
## TTCTACATCACCATAG.1_1	YUCARD	CD4T 5
## TTCTACATCGCGCAA.1_1	YUCARD	TNKT 1
## TTCTACATCTGTGCAA.1_1	YUCARD	CD4T 1
## TTCTCAAAGTCGAGTG.1_1	YUCARD	Mono 9
## TTCTCAACAGCTGCTG.1_1	YUCARD	CD4T 6
## TTCTCAACAGTCAGAG.1_1	YUCARD	CD8T 1
## TTCTCAAGTCTCTCGT.1_1	YUCARD	CD4T 1
## TTCTCAAGTTGTACAC.1_1	YUCARD	CD4T 4
## TTCTCAATCAGAGCTT.1_1	YUCARD	Mono 4
## TTCTCAATCCAAGTAC.1_1	YUCARD	CD4T 1
## TTCTCAATCCACTGGG.1_1	YUCARD	Mono 7
## TTCTCAATCGATGAGG.1_1	YUCARD	CD4T 1
## TTCTCAATCGGCGGTT.1_1	YUCARD	CD4T 6
## TTCTCAATCTATCCCG.1_1	YUCARD	CD4T 1
## TTCTCCTAGACAGACC.1_1	YUCARD	Mono 5
## TTCTCCTAGCTAAGAT.1_1	YUCARD	CD4T 1
## TTCTCCTCAAAGGTGC.1_1	YUCARD	CD4T 3
## TTCTCCTGTACCGTAT.1_1	YUCARD	Mono 8
## TTCTCCTGTTTGCATG.1_1	YUCARD	Mono 4
## TTCTCCTTCAGAGCTT.1_1	YUCARD	Mono 5
## TTCTCCTTCCGTCAA.1_1	YUCARD	Mono 2
## TTCTCCTTCCGTTGTC.1_1	YUCARD	NK 3
## TTCTCCTTCGCGTTTC.1_1	YUCARD	CD4T 3
## TTCTCCTTCTGGCGAC.1_1	YUCARD	CD4T 1
## TTCTTAGCACCGTTGG.1_1	YUCARD	CD4T 3
## TTCTTAGCATGCGCAC.1_1	YUCARD	CD4T 1
## TTCTTAGGTGTATGGG.1_1	YUCARD	CD4T 1
## TTCTTAGTCAGTCCCT.1_1	YUCARD	Mono 3
## TTCTTAGTCGACAGCC.1_1	YUCARD	Mono 4
## TTCTTAGTCGCCATAA.1_1	YUCARD	NK 2
## TTCTTAGTCGGTGTTA.1_1	YUCARD	CD4T 1
## TTCTTAGTCTTAGAGC.1_1	YUCARD	Mono 5
## TTGAACGAGGCACATG.1_1	YUCARD	Mono 7
## TTGAACGAGGTGATTA.1_1	YUCARD	CD4T 1
## TTGAACGCACACAGAG.1_1	YUCARD	Mono 4
## TTGAACGCAGGTCTCG.1_1	YUCARD	CD4T 1
## TTGAACGCATGGATGG.1_1	YUCARD	CD4T 1
## TTGAACGGTCAGGACA.1_1	YUCARD	Mono 5
## TTGAACGGTCTCGTTC.1_1	YUCARD	B 2
## TTGAACGGTTACCAGT.1_1	YUCARD	Mono 7
## TTGAACGGTTGGGACA.1_1	YUCARD	CD4T 3

## TTGAACGTCACTTACT.1_1	YUCARD	B 2
## TTGAACGTCAGAGGTG.1_1	YUCARD	CD4T 7
## TTGAACGTCAGCGATT.1_1	YUCARD	B 2
## TTGAACGTCCGAATGT.1_1	YUCARD	B 2
## TTGAACGTCTGTCCGT.1_1	YUCARD	Mono 4
## TTGACTTAGCGAGAAA.1_1	YUCARD	CD8T 1
## TTGACTTCAAGCTGTT.1_1	YUCARD	CD4T 2
## TTGACTTCACACAGAG.1_1	YUCARD	Mono 7
## TTGACTTCATCGATTG.1_1	YUCARD	Mono 7
## TTGACTTGTAATTGGA.1_1	YUCARD	NK 1
## TTGACTTGTTCCTGCT.1_1	YUCARD	CD8T 1
## TTGACTTTCAGTGCAT.1_1	YUCARD	B 2
## TTGACTTTCAGTTAGC.1_1	YUCARD	NK 2
## TTGACTTTCCTTTCTC.1_1	YUCARD	CD4T 2
## TTGCCGTAGAGAACAG.1_1	YUCARD	TNKT 2
## TTGCCGTAGCCACTAT.1_1	YUCARD	Mono 1
## TTGCCGTAGTCCAGGA.1_1	YUCARD	CD4T 7
## TTGCCGTAGTCCACA.1_1	YUCARD	CD4T 6
## TTGCCGTCATATGAGA.1_1	YUCARD	Mono 5
## TTGCCGTGTACTCGCG.1_1	YUCARD	Mono 7
## TTGCCGTGTATAGTAG.1_1	YUCARD	CD4T 7
## TTGCCGTGTGCCTGGT.1_1	YUCARD	CD4T 4
## TTGCCGTTCATCACCC.1_1	YUCARD	Mono 1
## TTGCCGTTCGTGGGAA.1_1	YUCARD	Mono 8
## TTGCGTCAGCAGATCG.1_1	YUCARD	TNKT 1
## TTGCGTCAGTAGCCGA.1_1	YUCARD	Mono 5
## TTGCGTCAGTCAAGGC.1_1	YUCARD	CD4T 3
## TTGCGTCCAAAGTCAA.1_1	YUCARD	CD4T 1
## TTGCGTCCAGGCAGTA.1_1	YUCARD	Mono 7
## TTGCGTCCAGTAAGCG.1_1	YUCARD	CD4T 2
## TTGCGTCTCAGTGTG.1_1	YUCARD	Mono 2
## TTGCGTCTCATTTGGG.1_1	YUCARD	TNKT 1
## TTGGAACAGGACGAAA.1_1	YUCARD	Mono 3
## TTGGAACAGGGTGTGT.1_1	YUCARD	NK 2
## TTGGAACAGTCCGTAT.1_1	YUCARD	Mono 5
## TTGGAACACGACTCG.1_1	YUCARD	CD8T 3
## TTGGAACCATGGGAAC.1_1	YUCARD	Mono 7
## TTGGAACGTTACGTCA.1_1	YUCARD	Mono 7
## TTGGCAAAGGCTAGCA.1_1	YUCARD	CD4T 3
## TTGGCAACAAACGTGG.1_1	YUCARD	Mono 8
## TTGGCAACAGCTGTTA.1_1	YUCARD	B 2
## TTGGCAAGTGCCTGTG.1_1	YUCARD	Mono 1
## TTGGCAAGTTCGTGAT.1_1	YUCARD	CD4T 1
## TTGGCAATCACGACTA.1_1	YUCARD	Mono 3
## TTGGCAATCTGCGTAA.1_1	YUCARD	CD4T 7
## TTGTAGGAGGCGATAC.1_1	YUCARD	CD4T 6
## TTGTAGGAGTGACATA.1_1	YUCARD	CD4T 1
## TTGTAGGCAAAGGAAG.1_1	YUCARD	Mono 3
## TTGTAGGCATAACCTG.1_1	YUCARD	CD4T 6
## TTGTAGGGTACCAGTT.1_1	YUCARD	TNKT 2
## TTGTAGGGTCCGAGTC.1_1	YUCARD	CD4T 1
## TTGTAGGGTCTAAACC.1_1	YUCARD	Mono 5
## TTGTAGGGTTGAATC.1_1	YUCARD	NK 1
## TTGTAGGTCGAACGGA.1_1	YUCARD	Mono 7

## TTGTAGGTCTGTTTGT.1_1	YUCARD	CD4T 5
## TTTACTGAGGCTAGAC.1_1	YUCARD	CD4T 2
## TTTACTGAGGTTACCT.1_1	YUCARD	Mono 5
## TTTACTGCACAGCCCA.1_1	YUCARD	CD4T 2
## TTTACTGCACGACTCG.1_1	YUCARD	CD4T 3
## TTTACTGTCATTGCGA.1_1	YUCARD	CD4T 4
## TTTACTGTCTGATACG.1_1	YUCARD	CD4T 5
## TTTATGCAGACAGACC.1_1	YUCARD	NK 3
## TTTATGCAGTCGCCGT.1_1	YUCARD	CD4T 1
## TTTATGCAGTTACCCA.1_1	YUCARD	NK 3
## TTTATGCCACTATCTT.1_1	YUCARD	NK 2
## TTTATGCCAGACGCTC.1_1	YUCARD	Mono 2
## TTTATGCCATACGCTA.1_1	YUCARD	Mono 1
## TTTATGCCATGACATC.1_1	YUCARD	Mono 4
## TTTATGCGTACTCTCC.1_1	YUCARD	Mono 5
## TTTATGCGTGTATGGG.1_1	YUCARD	Mono 2
## TTTATGCGTTCGAATC.1_1	YUCARD	NK 3
## TTTATGCTCACGCGGT.1_1	YUCARD	CD4T 3
## TTTATGCTCAGAGACG.1_1	YUCARD	TNKT 1
## TTTATGCTCCAATGGT.1_1	YUCARD	Mono 5
## TTTATGCTCCCTTGTG.1_1	YUCARD	Mono 4
## TTTATGCTCCTGCTTG.1_1	YUCARD	B 2
## TTTCTCAGAATGTTG.1_1	YUCARD	CD4T 2
## TTTCTCAGACAAAGG.1_1	YUCARD	CD4T 2
## TTTCTCAGATCGATA.1_1	YUCARD	CD4T 1
## TTTCTCCAATCTGCA.1_1	YUCARD	CD8T 2
## TTTCTCCACCCATGG.1_1	YUCARD	Mono 5
## TTTCTCGTAAACACA.1_1	YUCARD	Mono 2
## TTTCTCGTCCATGAT.1_1	YUCARD	B 2
## TTTCTCGTGCAACGA.1_1	YUCARD	CD4T 3
## TTTCTCTCAAAGTAG.1_1	YUCARD	CD4T 1
## TTTCTCTCACCGTAA.1_1	YUCARD	CD4T 3
## TTTCTCTCGCCAGCA.1_1	YUCARD	Mono 4
## TTTCTCTCGGCGCTA.1_1	YUCARD	B 3
## TTTCTCTCGTAGGTT.1_1	YUCARD	Mono 4
## TTTGCGCAGAAGGCCT.1_1	YUCARD	CD4T 5
## TTTGCGCAGACAATAC.1_1	YUCARD	B 2
## TTTGCGCAGAGACTTA.1_1	YUCARD	B 2
## TTTGCGCAGAGTCTGG.1_1	YUCARD	Mono 8
## TTTGCGCAGGGCATGT.1_1	YUCARD	NK 1
## TTTGCGCAGTGGAGAA.1_1	YUCARD	CD4T 1
## TTTGCGCCAAGCCCAC.1_1	YUCARD	CD4T 1
## TTTGCGCCACTCTGTC.1_1	YUCARD	Mono 4
## TTTGCGCCACTTAAGC.1_1	YUCARD	Mono 8
## TTTGCGCCAGATGAGC.1_1	YUCARD	Mono 5
## TTTGCGCTCGCCCTTA.1_1	YUCARD	CD4T 7
## TTTGGTTTCAGATCTGT.1_1	YUCARD	Mono 1
## TTTGGTTTCAGGATCT.1_1	YUCARD	Mono 5
## TTTGGTTTCGCGCCAA.1_1	YUCARD	NK 3
## TTTGGTTTCGTTGACA.1_1	YUCARD	Mono 8
## TTTGTCAAGCTAGGCA.1_1	YUCARD	CD8T 1
## TTTGTCAAGGCAATTA.1_1	YUCARD	CD4T 3
## TTTGTCACACACAGAG.1_1	YUCARD	NK 2
## TTTGTCACACAGGAGT.1_1	YUCARD	TNKT 2

## TTTGTCACACCAACCG.1_1	YUCARD	CD4T 1
## TTTGTCACACGCATCG.1_1	YUCARD	Mono 7
## TTTGTCACAGCGTAAG.1_1	YUCARD	Mono 2
## TTTGTCACATTCGACA.1_1	YUCARD	TNKT 1
## TTTGTCAGTCACACGC.1_1	YUCARD	CD4T 2
## TTTGTCAGTCGACTAT.1_1	YUCARD	Mono 1
## TTTGTCATCTCCGGTT.1_1	YUCARD	CD4T 7
## AAACCTGAGAGCCCAA.1_2	YUPIXEL	Mono 9
## AAACCTGAGAGCTGGT.1_2	YUPIXEL	CD4T 1
## AAACCTGAGTAATCCC.1_2	YUPIXEL	TNKT 1
## AAACCTGCACGAAATA.1_2	YUPIXEL	CD4T 2
## AAACCTGCAGGACGTA.1_2	YUPIXEL	B 3
## AAACCTGCATAGTAAG.1_2	YUPIXEL	NK 1
## AAACCTGGTTCACCTC.1_2	YUPIXEL	B 1
## AAACCTGTCAGCTCGG.1_2	YUPIXEL	Mono 2
## AAACCTGTCATGTGGT.1_2	YUPIXEL	B 3
## AAACCTGTCCCAGGTG.1_2	YUPIXEL	CD4T 3
## AAACCTGTGCTGATA.1_2	YUPIXEL	Mono 5
## AAACGGGAGCACGCCT.1_2	YUPIXEL	Mono 1
## AAACGGGAGTCGTACT.1_2	YUPIXEL	CD4T 1
## AAACGGGAGTTATCGC.1_2	YUPIXEL	B 1
## AAAGATGAGGCATGTG.1_2	YUPIXEL	CD4T 1
## AAAGATGGTACCATCA.1_2	YUPIXEL	CD4T 4
## AAAGATGGTGAAAGAG.1_2	YUPIXEL	Mono 5
## AAAGATGTCCGCGCAA.1_2	YUPIXEL	B 3
## AAAGATGTCTGGGCCA.1_2	YUPIXEL	CD4T 4
## AAAGCAAAGGATCGCA.1_2	YUPIXEL	Mono 5
## AAAGCAACAAGTTAAG.1_2	YUPIXEL	CD4T 4
## AAAGCAACAGAAGCAC.1_2	YUPIXEL	Mono 1
## AAAGCAACAGGATCGA.1_2	YUPIXEL	Mono 2
## AAAGCAACATTTGCTT.1_2	YUPIXEL	B 3
## AAAGTAGAGATAGGAG.1_2	YUPIXEL	CD4T 3
## AAAGTAGCATTCTTAC.1_2	YUPIXEL	NK 1
## AAAGTAGGTTATCACG.1_2	YUPIXEL	Mono 1
## AAAGTAGTCTCAACTT.1_2	YUPIXEL	CD4T 5
## AAAGTAGTCTCGCATC.1_2	YUPIXEL	CD4T 2
## AAATGCCAGCAGGTCA.1_2	YUPIXEL	NK 4
## AAATGCCAGCCACGTC.1_2	YUPIXEL	Mono 8
## AAATGCCCAGACAAAT.1_2	YUPIXEL	NK 1
## AAATGCCGTACAGACG.1_2	YUPIXEL	CD4T 1
## AAATGCCGTGTGACCC.1_2	YUPIXEL	Mono 4
## AAATGCCGTTAGGGTG.1_2	YUPIXEL	CD4T 5
## AAATGCCGTGGACCC.1_2	YUPIXEL	Mono 9
## AAATGCCTCTCTGCTG.1_2	YUPIXEL	B 1
## AACACGTAGAAGGTGA.1_2	YUPIXEL	NK 3
## AACACGTAGCGAGAAA.1_2	YUPIXEL	NK 1
## AACACGTAGGTCGGAT.1_2	YUPIXEL	CD4T 4
## AACACGTAGGTGATAT.1_2	YUPIXEL	CD4T 1
## AACACGTAGTTTCCTT.1_2	YUPIXEL	B 1
## AACACGTCAAGAAAGG.1_2	YUPIXEL	TNKT 1
## AACACGTGTAAGTAGT.1_2	YUPIXEL	NK 4
## AACACGTGTATAAACG.1_2	YUPIXEL	B 1
## AACACGTGTGTATGGG.1_2	YUPIXEL	NK 2
## AACACGTTCTCAAGTG.1_2	YUPIXEL	B 2

## AACCATGAGAGTTGGC.1_2	YUPIXEL	CD4T 4
## AACCATGAGGAATGGA.1_2	YUPIXEL	CD4T 7
## AACCATGCAGTCCTTC.1_2	YUPIXEL	TNKT 1
## AACCATGGTCTAGTCA.1_2	YUPIXEL	CD8T 1
## AACCATGGTGTGAGG.1_2	YUPIXEL	CD4T 1
## AACCATGGTTAGAACA.1_2	YUPIXEL	CD8T 1
## AACCATGTCTCTGCTG.1_2	YUPIXEL	Mono 8
## AACCGCGAGCAGCCTC.1_2	YUPIXEL	B 1
## AACCGCGAGCTGCCCA.1_2	YUPIXEL	CD4T 3
## AACCGCGCAGCGTAAG.1_2	YUPIXEL	Mono 9
## AACCGCGGTAGAGGAA.1_2	YUPIXEL	CD4T 3
## AACCGCGTCTCCAGGG.1_2	YUPIXEL	Mono 4
## AACGTTGAGAATAGGG.1_2	YUPIXEL	B 1
## AACGTTGAGATCGGGT.1_2	YUPIXEL	CD4T 1
## AACGTTGAGTCCTCCT.1_2	YUPIXEL	Mono 8
## AACGTTGGTACGACCC.1_2	YUPIXEL	Mono 4
## AACGTTGGTTCGTCTC.1_2	YUPIXEL	CD4T 2
## AACGTTGTCACCTTAT.1_2	YUPIXEL	CD4T 1
## AACGTTGTGCGCGCTA.1_2	YUPIXEL	Mono 8
## AACGTTGTCTCGAGTA.1_2	YUPIXEL	Mono 1
## AACTCAGCAAAGTGCG.1_2	YUPIXEL	B 3
## AACTCAGCAACGCCA.1_2	YUPIXEL	Mono 4
## AACTCAGCAACGATGG.1_2	YUPIXEL	Mono 9
## AACTCAGCACATGACT.1_2	YUPIXEL	B 2
## AACTCAGTCAATCACG.1_2	YUPIXEL	B 1
## AACTCAGTCCGTCAA.1_2	YUPIXEL	B 2
## AACTCCCAGCGATCCC.1_2	YUPIXEL	Mono 8
## AACTCCCAGTAGCGGT.1_2	YUPIXEL	Mono 5
## AACTCCCAGTTACCCA.1_2	YUPIXEL	NK 1
## AACTCCCGTAACGCGA.1_2	YUPIXEL	Mono 8
## AACTCCCGTACGCACC.1_2	YUPIXEL	Mono 9
## AACTCCCTCGGAAATA.1_2	YUPIXEL	CD8T 1
## AACTCTTAGCGGATCA.1_2	YUPIXEL	NK 1
## AACTCTTCAATAAGCA.1_2	YUPIXEL	TNKT 1
## AACTCTTCACAGCGTC.1_2	YUPIXEL	NK 1
## AACTCTTCAGTACACT.1_2	YUPIXEL	NK 1
## AACTCTTGTCTCCACT.1_2	YUPIXEL	Mono 8
## AACTCTTGTGCTGTAT.1_2	YUPIXEL	CD4T 2
## AACTCTTTCTTTAGTC.1_2	YUPIXEL	CD4T 1
## AACTGGTAGAGAACAG.1_2	YUPIXEL	CD4T 6
## AACTGGTCAAAGTGCG.1_2	YUPIXEL	CD8T 2
## AACTGGTCAAATCCGT.1_2	YUPIXEL	CD4T 3
## AACTGGTCACAACTGT.1_2	YUPIXEL	CD4T 2
## AACTGGTCACGACGAA.1_2	YUPIXEL	B 1
## AACTGGTGTGCAGTAG.1_2	YUPIXEL	CD4T 6
## AACTGGTGTGAGGTG.1_2	YUPIXEL	Mono 5
## AACTGGTTCAGCTTAG.1_2	YUPIXEL	Mono 7
## AACTGGTTCGAGTGT.1_2	YUPIXEL	CD4T 7
## AACTTTTCAGCAACGGT.1_2	YUPIXEL	CD4T 4
## AACTTTTCAGCTGAAAT.1_2	YUPIXEL	Mono 8
## AACTTTCCAATAACGA.1_2	YUPIXEL	B 3
## AACTTTCGTGATGATA.1_2	YUPIXEL	B 6
## AACTTTCTGTCCTCCA.1_2	YUPIXEL	CD4T 3
## AACTTTCTCCAACTG.1_2	YUPIXEL	CD4T 1

## AACTTTCTCCAGGGCT.1_2	YUPIXEL	CD4T 6
## AACTTTCTCTCGGACG.1_2	YUPIXEL	CD4T 6
## AACTTTCTCTGAAAGA.1_2	YUPIXEL	CD8T 3
## AAGACCTAGCATCATC.1_2	YUPIXEL	NK 3
## AAGACCTAGTCCTCCT.1_2	YUPIXEL	B 1
## AAGACCTAGTGGCACA.1_2	YUPIXEL	CD4T 6
## AAGACCTCAGATGGGT.1_2	YUPIXEL	B 1
## AAGACCTCATCGTCGG.1_2	YUPIXEL	CD4T 3
## AAGACCTGTGTATGGG.1_2	YUPIXEL	CD4T 7
## AAGACCTTCCACGAAT.1_2	YUPIXEL	CD4T 2
## AAGACCTTCCGTAGTA.1_2	YUPIXEL	CD8T 2
## AAGACCTTCGGAGGTA.1_2	YUPIXEL	CD4T 1
## AAGCCGCAGACAGAGA.1_2	YUPIXEL	NK 4
## AAGCCGCAGATACACA.1_2	YUPIXEL	NK 4
## AAGCCGCAGTCTTGCA.1_2	YUPIXEL	CD4T 1
## AAGCCGCCAAAGGCGT.1_2	YUPIXEL	Mono 7
## AAGCCGCCAGCATGAG.1_2	YUPIXEL	CD4T 1
## AAGCCGCGTCTAGCGC.1_2	YUPIXEL	TNKT 1
## AAGCCGCGTTACGGAG.1_2	YUPIXEL	CD4T 1
## AAGCCGCGTTGACGTT.1_2	YUPIXEL	CD4T 6
## AAGCCGCTCATTGCCC.1_2	YUPIXEL	NK 3
## AAGCCGCTCCTAGTGA.1_2	YUPIXEL	Mono 8
## AAGGAGCAGAGGTAGA.1_2	YUPIXEL	Mono 4
## AAGGAGCAGGTAAACT.1_2	YUPIXEL	B 1
## AAGGAGCAGTCAAGGC.1_2	YUPIXEL	CD4T 5
## AAGGAGCCACCTCGGA.1_2	YUPIXEL	CD8T 1
## AAGGAGCCACGGCCAT.1_2	YUPIXEL	B 3
## AAGGAGCCATCCTAGA.1_2	YUPIXEL	B 2
## AAGGAGCGTAAATACG.1_2	YUPIXEL	Mono 8
## AAGGAGCGTTGGGACA.1_2	YUPIXEL	Mono 5
## AAGGAGCTCCACGAAT.1_2	YUPIXEL	Mono 4
## AAGGAGCTCTGAGTGT.1_2	YUPIXEL	B 3
## AAGGCAGAGAAGGACA.1_2	YUPIXEL	CD4T 2
## AAGGCAGAGACCCACC.1_2	YUPIXEL	Mono 9
## AAGGCAGAGCCACGCT.1_2	YUPIXEL	Mono 3
## AAGGCAGAGGCCCTCA.1_2	YUPIXEL	Mono 8
## AAGGCAGAGGGCATGT.1_2	YUPIXEL	CD4T 1
## AAGGCAGAGTCCATAC.1_2	YUPIXEL	CD4T 2
## AAGGCAGCAACTGGCC.1_2	YUPIXEL	Mono 9
## AAGGCAGCAAGCCTAT.1_2	YUPIXEL	CD4T 2
## AAGGCAGCATGGTCTA.1_2	YUPIXEL	CD4T 2
## AAGGCAGGTGCCTGTG.1_2	YUPIXEL	Mono 8
## AAGGCAGGTGTCCTCT.1_2	YUPIXEL	B 6
## AAGGCAGTCGCAAGCC.1_2	YUPIXEL	CD4T 1
## AAGGTTCAAGTGGAGTC.1_2	YUPIXEL	CD4T 1
## AAGGTTCCACAGAGGT.1_2	YUPIXEL	Mono 2
## AAGTCTGCATTACCTT.1_2	YUPIXEL	NK 2
## AAGTCTGGTTAAGAAC.1_2	YUPIXEL	CD4T 6
## AAGTCTGTCCCTCTTT.1_2	YUPIXEL	TNKT 1
## AAGTCTGTGTTTATC.1_2	YUPIXEL	B 2
## AAGTCTGTCTCGAGTA.1_2	YUPIXEL	TNKT 1
## AATCCAGAGTAATCCC.1_2	YUPIXEL	NK 1
## AATCCAGAGTTAGCGG.1_2	YUPIXEL	CD4T 1
## AATCCAGCAATCCGAT.1_2	YUPIXEL	CD4T 2

## AATCCAGGTCAGAAGC.1_2	YUPIXEL	CD4T 3
## AATCCAGGTCAGTGA.1_2	YUPIXEL	CD8T 2
## AATCCAGTCATCACCC.1_2	YUPIXEL	CD4T 7
## AATCGGTAGGCTACGA.1_2	YUPIXEL	Mono 9
## AATCGGTCATGAAGTA.1_2	YUPIXEL	B 2
## AATCGGTCATGCTAGT.1_2	YUPIXEL	NK 3
## AATCGGTTCCCTATGTT.1_2	YUPIXEL	B 1
## ACACCAAAGAAACCTA.1_2	YUPIXEL	B 2
## ACACCAAAGGCTAGCA.1_2	YUPIXEL	B 4
## ACACCAAGTAGCGTAG.1_2	YUPIXEL	NK 2
## ACACCAATCCAAATGC.1_2	YUPIXEL	B 3
## ACACCAATCGCGCAA.1_2	YUPIXEL	Mono 8
## ACACCCTAGCAGGCTA.1_2	YUPIXEL	NK 2
## ACACCCTAGCGTCTAT.1_2	YUPIXEL	CD4T 6
## ACACCCTGTGAGTATA.1_2	YUPIXEL	B 1
## ACACCCTGTGTGAATA.1_2	YUPIXEL	B 1
## ACACCGGAGAAGGCCT.1_2	YUPIXEL	Mono 4
## ACACCGGAGAATTGTG.1_2	YUPIXEL	TNKT 1
## ACACCGGCAATGTTGC.1_2	YUPIXEL	CD4T 6
## ACACCGGGTCTCCCTA.1_2	YUPIXEL	CD4T 6
## ACACCGGGTTGATTGC.1_2	YUPIXEL	Mono 3
## ACACCGGTCACGCGGT.1_2	YUPIXEL	CD4T 3
## ACACCGGTCCACGTGG.1_2	YUPIXEL	Mono 8
## AACTGAAGTTTCCTT.1_2	YUPIXEL	B 1
## AACTGACACGAGGTA.1_2	YUPIXEL	CD4T 1
## AACTGAGTAAGTAGT.1_2	YUPIXEL	NK 1
## AACTGAGTAGGACAC.1_2	YUPIXEL	CD8T 3
## AACTGAGTCCAGTAT.1_2	YUPIXEL	CD4T 2
## AACTGAGTTACGCGC.1_2	YUPIXEL	NK 4
## AACTGATCAAACCGT.1_2	YUPIXEL	Mono 1
## ACAGCCGCAACTGCGC.1_2	YUPIXEL	Mono 1
## ACAGCCGTGCGCGGTT.1_2	YUPIXEL	B 1
## ACAGCTACACGCCAGT.1_2	YUPIXEL	CD4T 6
## ACAGCTAGTCCATCCT.1_2	YUPIXEL	CD4T 7
## ACAGCTATCTCTAAGG.1_2	YUPIXEL	CD4T 6
## ACAGCTATCTGTATC.1_2	YUPIXEL	B 6
## ACATACGAGAATTGTG.1_2	YUPIXEL	Mono 8
## ACATACGAGCGATTCT.1_2	YUPIXEL	B 2
## ACATACGAGGTGGGTT.1_2	YUPIXEL	B 3
## ACATACGCAGCGTAAG.1_2	YUPIXEL	NK 3
## ACATACGGTCATGCCG.1_2	YUPIXEL	CD4T 1
## ACATACGTCAAACGGG.1_2	YUPIXEL	Mono 8
## ACATACGTCAACGAAA.1_2	YUPIXEL	Mono 9
## ACATACGTCTGCGTAA.1_2	YUPIXEL	B 1
## ACATCAGAGCCACGCT.1_2	YUPIXEL	NK 1
## ACATCAGCACCGATAT.1_2	YUPIXEL	B 3
## ACATCAGGTATCTGCA.1_2	YUPIXEL	B 1
## ACATCAGGTCACCCAG.1_2	YUPIXEL	Mono 4
## ACATCAGGTACTGAC.1_2	YUPIXEL	NK 1
## ACATCAGTCAGTGCAT.1_2	YUPIXEL	CD4T 7
## ACATGGTAGATGCCTT.1_2	YUPIXEL	B 1
## ACATGGTCAACACGCC.1_2	YUPIXEL	TNKT 1
## ACATGGTTCAAACCAC.1_2	YUPIXEL	NK 3
## ACATGGTTCCGTTGCT.1_2	YUPIXEL	NK 3

## ACCAGTAAGAGGGCTT.1_2	YUPIXEL	B 2
## ACCAGTACACCTCGTT.1_2	YUPIXEL	B 3
## ACCAGTACAGACAAAT.1_2	YUPIXEL	Mono 2
## ACCAGTAGTGTGTGCC.1_2	YUPIXEL	Mono 8
## ACCAGTAGTTTGGCGC.1_2	YUPIXEL	B 2
## ACCAGTATCCCTGACT.1_2	YUPIXEL	CD4T 7
## ACCAGTATCGGTAAAC.1_2	YUPIXEL	Mono 5
## ACCAGTATCTGTTTG.1_2	YUPIXEL	CD4T 3
## ACCCACTAGCTAGCCC.1_2	YUPIXEL	CD4T 1
## ACCCACTAGGACTGGT.1_2	YUPIXEL	B 6
## ACCCACTCAATGGACG.1_2	YUPIXEL	CD4T 3
## ACCCACTCAGGTCGTC.1_2	YUPIXEL	CD4T 3
## ACCCACTGTGGCGAAT.1_2	YUPIXEL	B 2
## ACCCACTGTTTGGCGC.1_2	YUPIXEL	Mono 3
## ACCCACTTCGGCGGTT.1_2	YUPIXEL	Mono 5
## ACCGTAAAGCACCGCT.1_2	YUPIXEL	CD4T 2
## ACCGTAAAGCACCGTC.1_2	YUPIXEL	Mono 8
## ACCGTAAAGCCAGTAG.1_2	YUPIXEL	Mono 8
## ACCGTAAGTACCGTAT.1_2	YUPIXEL	CD4T 2
## ACCGTAAGTAGATTAG.1_2	YUPIXEL	TNKT 1
## ACCTTTACATAAGACA.1_2	YUPIXEL	CD4T 1
## ACCTTTAGTTACGCGC.1_2	YUPIXEL	Mono 7
## ACCTTTATCTTGCAAG.1_2	YUPIXEL	NK 1
## ACGAGCCAGATCACGG.1_2	YUPIXEL	TNKT 1
## ACGAGCCCACATGACT.1_2	YUPIXEL	Mono 7
## ACGAGCCCAGATCCAT.1_2	YUPIXEL	CD4T 1
## ACGAGCCGTACATGTC.1_2	YUPIXEL	TNKT 1
## ACGAGCCGTAGCGCAA.1_2	YUPIXEL	CD4T 2
## ACGAGCCGTCTCTTAT.1_2	YUPIXEL	CD4T 1
## ACGAGCCTCTCTAAGG.1_2	YUPIXEL	B 1
## ACGAGGAAGTTACCCA.1_2	YUPIXEL	CD4T 4
## ACGAGGACAACACCCG.1_2	YUPIXEL	NK 3
## ACGAGGAGTACCGCTG.1_2	YUPIXEL	CD4T 1
## ACGAGGAGTGTGTGCC.1_2	YUPIXEL	NK 4
## ACGAGGATCAACACAC.1_2	YUPIXEL	B 1
## ACGAGGATCGCGTTTC.1_2	YUPIXEL	B 1
## ACGAGGATCTCGAGTA.1_2	YUPIXEL	NK 1
## ACGATACAGATGGGTC.1_2	YUPIXEL	B 1
## ACGATACAGTGTCCAT.1_2	YUPIXEL	CD4T 2
## ACGATACCATCGTCGG.1_2	YUPIXEL	Mono 5
## ACGATACCATGAACCT.1_2	YUPIXEL	CD4T 3
## ACGATACGTACAGCAG.1_2	YUPIXEL	NK 3
## ACGATACTCCAATGGT.1_2	YUPIXEL	B 3
## ACGATACTCCAGAGGA.1_2	YUPIXEL	CD4T 5
## ACGATGTAGTAGCCGA.1_2	YUPIXEL	CD4T 6
## ACGATGTAGTGGAGAA.1_2	YUPIXEL	CD8T 2
## ACGATGTCAATCCAAC.1_2	YUPIXEL	CD4T 1
## ACGATGTTCATGGTCTA.1_2	YUPIXEL	B 1
## ACGATGTTCATTGGGCC.1_2	YUPIXEL	CD4T 1
## ACGATGTGTACCATCA.1_2	YUPIXEL	Mono 9
## ACGATGTTCTTGCAATT.1_2	YUPIXEL	CD4T 4
## ACGCAGCAGACAAAGG.1_2	YUPIXEL	CD8T 3
## ACGCAGCAGCGTCTAT.1_2	YUPIXEL	CD4T 6
## ACGCAGCCAACTGGCC.1_2	YUPIXEL	B 1

##	ACGCAGCCACGGTTTA.1_2	YUPIXEL	CD4T 4
##	ACGCAGCCAGCCACCA.1_2	YUPIXEL	Mono 4
##	ACGCAGCCATGCCCGA.1_2	YUPIXEL	Mono 4
##	ACGCAGCGTAAGTGTA.1_2	YUPIXEL	B 1
##	ACGCAGCGTGACGCCT.1_2	YUPIXEL	CD8T 2
##	ACGCAGCTCAAACCAC.1_2	YUPIXEL	B 2
##	ACGCCAGAGTGACCT.1_2	YUPIXEL	CD4T 4
##	ACGCCAGAGTGCTCA.1_2	YUPIXEL	CD8T 3
##	ACGCCAGAGTTAACGA.1_2	YUPIXEL	B 1
##	ACGCCAGCAATGGTCT.1_2	YUPIXEL	CD4T 6
##	ACGCCAGCATCACGAT.1_2	YUPIXEL	B 1
##	ACGCCAGGTAATTGGA.1_2	YUPIXEL	B 1
##	ACGCCAGTCCCACTTG.1_2	YUPIXEL	Mono 8
##	ACGCCGAAGATCCGAG.1_2	YUPIXEL	CD4T 4
##	ACGCCGAAGCTAGCCC.1_2	YUPIXEL	B 1
##	ACGCCGACATGTTGAC.1_2	YUPIXEL	B 1
##	ACGCCGAGTTAGTGGG.1_2	YUPIXEL	Mono 4
##	ACGGAGAAGGTGCACA.1_2	YUPIXEL	B 3
##	ACGGAGACAAACGTGG.1_2	YUPIXEL	TNKT 1
##	ACGGAGACAGGACCCT.1_2	YUPIXEL	TNKT 1
##	ACGGAGAGTCTTCGTC.1_2	YUPIXEL	B 2
##	ACGGCCAAGCGGCTTC.1_2	YUPIXEL	Mono 5
##	ACGGCCAAGTCTCCTC.1_2	YUPIXEL	CD4T 1
##	ACGGCCACAAGGCTCC.1_2	YUPIXEL	Mono 1
##	ACGGCCACAGCTGTAT.1_2	YUPIXEL	CD8T 1
##	ACGGCCACATCCCATC.1_2	YUPIXEL	CD4T 1
##	ACGGCCAGTACCAGTT.1_2	YUPIXEL	CD4T 3
##	ACGGCCAGTAGCGATG.1_2	YUPIXEL	CD4T 1
##	ACGGCCATCAGAGGTG.1_2	YUPIXEL	Mono 9
##	ACGGCCATCGGGAGTA.1_2	YUPIXEL	Mono 4
##	ACGGGCTAGCAGGCTA.1_2	YUPIXEL	Mono 3
##	ACGGGCTCACTTCGAA.1_2	YUPIXEL	CD4T 3
##	ACGGGCTCAGTAAGAT.1_2	YUPIXEL	NK 1
##	ACGGGCTTCTGGGCCA.1_2	YUPIXEL	CD4T 3
##	ACGGGTCCAATGCCAT.1_2	YUPIXEL	CD4T 6
##	ACGGGTCCATGGTTGT.1_2	YUPIXEL	Mono 4
##	ACGGGTCTCATTCACT.1_2	YUPIXEL	Mono 8
##	ACGTCAAAGAGACGAA.1_2	YUPIXEL	Mono 5
##	ACGTCAAAGCGTGTCC.1_2	YUPIXEL	CD4T 4
##	ACGTCAAAGCTACCTA.1_2	YUPIXEL	Mono 9
##	ACGTCAACACTAAGTC.1_2	YUPIXEL	B 1
##	ACGTCAAGTCAGAATA.1_2	YUPIXEL	Mono 5
##	ACTATCTCAGCTATTG.1_2	YUPIXEL	Mono 9
##	ACTATCTTCACGACTA.1_2	YUPIXEL	NK 2
##	ACTATCTTCAGTTTGG.1_2	YUPIXEL	NK 1
##	ACTGAACCAAGCCATT.1_2	YUPIXEL	B 1
##	ACTGAACCATGACGGA.1_2	YUPIXEL	Mono 5
##	ACTGAACGTCGATTGT.1_2	YUPIXEL	CD8T 2
##	ACTGAACGTCGTGAT.1_2	YUPIXEL	Mono 9
##	ACTGAGTAGACTAAGT.1_2	YUPIXEL	NK 4
##	ACTGAGTCAGACTCGC.1_2	YUPIXEL	CD4T 1
##	ACTGAGTCATGGTAGG.1_2	YUPIXEL	B 2
##	ACTGAGTGTACAGACG.1_2	YUPIXEL	TNKT 1
##	ACTGAGTGTATGAATG.1_2	YUPIXEL	NK 3

## ACTGAGTGTCCAAGTT.1_2	YUPIXEL	Mono 9
## ACTGAGTTCCGTAGTA.1_2	YUPIXEL	TNKT 1
## ACTGAGTTCCTAGTGA.1_2	YUPIXEL	CD8T 3
## ACTGAGTTCGGAGGTA.1_2	YUPIXEL	CD4T 2
## ACTGAGTTCTATGTGG.1_2	YUPIXEL	CD4T 3
## ACTGAGTTCTTCGGTC.1_2	YUPIXEL	Mono 7
## ACTGATGAGATGCCAG.1_2	YUPIXEL	CD4T 2
## ACTGATGAGTTGTCGT.1_2	YUPIXEL	Mono 5
## ACTGATGCACACAGAG.1_2	YUPIXEL	CD4T 3
## ACTGATGCACTGTGTA.1_2	YUPIXEL	CD4T 3
## ACTGATGCAGCTGCAC.1_2	YUPIXEL	CD4T 6
## ACTGATGCAGGTCCAC.1_2	YUPIXEL	CD4T 7
## ACTGATGCATACTCTT.1_2	YUPIXEL	B 1
## ACTGATGGTAGGGACT.1_2	YUPIXEL	TNKT 1
## ACTGATGGTGGGTCAA.1_2	YUPIXEL	CD4T 3
## ACTGCTCAGTCAATAG.1_2	YUPIXEL	B 2
## ACTGCTCCACAGCCCA.1_2	YUPIXEL	Mono 5
## ACTGCTCGTATCAGTC.1_2	YUPIXEL	CD4T 6
## ACTGCTCGTGCACTTA.1_2	YUPIXEL	CD8T 2
## ACTGCTCGTGGCCCTA.1_2	YUPIXEL	CD4T 1
## ACTGCTCTCAGTTAGC.1_2	YUPIXEL	TNKT 1
## ACTGCTCTCGTACCGG.1_2	YUPIXEL	CD4T 2
## ACTGCTCTCTCTAAGG.1_2	YUPIXEL	NK 2
## ACTGTCCAGACTCGGA.1_2	YUPIXEL	Mono 4
## ACTGTCCAGAGAACAG.1_2	YUPIXEL	CD4T 6
## ACTGTCCAGCACGCCT.1_2	YUPIXEL	B 3
## ACTGTCCAGCCCTAAT.1_2	YUPIXEL	Mono 4
## ACTGTCCAGGAGTACC.1_2	YUPIXEL	Mono 5
## ACTGTCCAGGTGCAAC.1_2	YUPIXEL	CD4T 3
## ACTGTCCCACCACGTG.1_2	YUPIXEL	CD4T 7
## ACTGTCCCAGAAGCAC.1_2	YUPIXEL	CD4T 1
## ACTGTCCGTCTCTTAT.1_2	YUPIXEL	CD4T 3
## ACTGTCCGTGCGAAAC.1_2	YUPIXEL	CD4T 3
## ACTGTCCTCACATAGC.1_2	YUPIXEL	Mono 9
## ACTGTCCTCCGCAGTG.1_2	YUPIXEL	CD8T 1
## ACTGTCCTCGCCAGCA.1_2	YUPIXEL	CD4T 4
## ACTGTCCTCGCCTGAG.1_2	YUPIXEL	B 1
## ACTGTCCTCGTCACGG.1_2	YUPIXEL	CD8T 1
## ACTGTCCTCTTAACCT.1_2	YUPIXEL	B 3
## ACTTACTAGCATGGCA.1_2	YUPIXEL	B 1
## ACTTACTAGTGCCAGA.1_2	YUPIXEL	CD4T 7
## ACTTGTTAGACGCTTT.1_2	YUPIXEL	Mono 4
## ACTTGTTAGCTGTTCA.1_2	YUPIXEL	CD4T 1
## ACTTGTTAGGTGCTAG.1_2	YUPIXEL	B 1
## ACTTGTTCAAAGGAAG.1_2	YUPIXEL	CD4T 3
## ACTTGTTCAAGCTGTGC.1_2	YUPIXEL	CD4T 2
## ACTTGTTTCATGCATGT.1_2	YUPIXEL	Mono 2
## ACTTGTTTCATTAGGCT.1_2	YUPIXEL	CD4T 3
## ACTTGTTGTAGGCATG.1_2	YUPIXEL	CD4T 1
## ACTTGTTGTCAACATC.1_2	YUPIXEL	B 1
## ACTTGTTGTGTGACGA.1_2	YUPIXEL	CD4T 1
## ACTTGTTGTGTTGAGG.1_2	YUPIXEL	TNKT 1
## ACTTGTTGTTTGCGCG.1_2	YUPIXEL	Mono 1
## ACTTGTTTCTCCAACC.1_2	YUPIXEL	B 1

## ACTTTC AAGTGTCTCA.1_2	YUPIXEL	Mono 8
## ACTTTC ACAAGACACG.1_2	YUPIXEL	CD8T 1
## ACTTTC ACACCAGCAC.1_2	YUPIXEL	CD4T 1
## ACTTTC ACATCCCACT.1_2	YUPIXEL	TNKT 1
## ACTTTC AGTGCTGTAT.1_2	YUPIXEL	CD4T 6
## ACTTTC ATCCTTTCCG.1_2	YUPIXEL	Mono 3
## ACTTTC ATCGTTGCCT.1_2	YUPIXEL	CD4T 1
## AGAATAG AGATTACCC.1_2	YUPIXEL	CD4T 6
## AGAATAG AGGAGTTTA.1_2	YUPIXEL	B 2
## AGAATAG CAGGCTGAA.1_2	YUPIXEL	CD4T 1
## AGAATAG GTCATGCAT.1_2	YUPIXEL	NK 1
## AGAATAG GTGCGGTAA.1_2	YUPIXEL	B 1
## AGAATAG GTTGACGTT.1_2	YUPIXEL	NK 1
## AGAATAG TCCAAGTAC.1_2	YUPIXEL	Mono 3
## AGAATAG TCCAGAGGA.1_2	YUPIXEL	CD4T 4
## AGACGTT AGCTGCGAA.1_2	YUPIXEL	CD4T 4
## AGACGTT AGGAGTAGA.1_2	YUPIXEL	CD4T 2
## AGACGTT CAAACGCGA.1_2	YUPIXEL	NK 2
## AGACGTT CAGTGAGTG.1_2	YUPIXEL	CD4T 3
## AGACGTT GTGTTGGGA.1_2	YUPIXEL	TNKT 1
## AGACGTT GTTGCTCCT.1_2	YUPIXEL	B 1
## AGACGTT TCCAGGGCT.1_2	YUPIXEL	CD4T 2
## AGACGTT TCGAACTGT.1_2	YUPIXEL	CD4T 7
## AGACGTT TCTAACGGT.1_2	YUPIXEL	NK 1
## AGACGTT TCTCCAGGG.1_2	YUPIXEL	CD4T 5
## AGAGCGA AGCGTTCCG.1_2	YUPIXEL	CD4T 4
## AGAGCGA CAAGTCATC.1_2	YUPIXEL	CD8T 2
## AGAGCGA GTTACGCGC.1_2	YUPIXEL	CD4T 3
## AGAGCGA TCCGAACGC.1_2	YUPIXEL	B 1
## AGAGCTT AGCCTTGAT.1_2	YUPIXEL	Mono 5
## AGAGCTT CACATCCGG.1_2	YUPIXEL	B 6
## AGAGCTT CACCACGTG.1_2	YUPIXEL	Mono 8
## AGAGCTT GTCATCCCT.1_2	YUPIXEL	CD4T 5
## AGAGCTT GTGTAACGG.1_2	YUPIXEL	TNKT 2
## AGAGCTT GTTGGAGGT.1_2	YUPIXEL	Mono 8
## AGAGCTT TCAACCAAC.1_2	YUPIXEL	Mono 5
## AGAGCTT TCACATGCA.1_2	YUPIXEL	Mono 4
## AGAGCTT TCGTACGGC.1_2	YUPIXEL	CD4T 4
## AGAGCTT TCTTCATGT.1_2	YUPIXEL	CD4T 2
## AGAGTGG AGGATCGCA.1_2	YUPIXEL	CD4T 2
## AGAGTGG CAAGCGTAG.1_2	YUPIXEL	B 3
## AGAGTGG CAATGAAAC.1_2	YUPIXEL	CD4T 3
## AGAGTGG GTATTAGCC.1_2	YUPIXEL	CD4T 3
## AGAGTGG GTCATACTG.1_2	YUPIXEL	B 1
## AGAGTGG TCTGGTGTA.1_2	YUPIXEL	Mono 2
## AGATCTG AGACGCTTT.1_2	YUPIXEL	NK 3
## AGATCTG AGATATACG.1_2	YUPIXEL	B 1
## AGATCTG AGTTTAGGA.1_2	YUPIXEL	Mono 1
## AGATTGC AGCGTCAAG.1_2	YUPIXEL	Mono 9
## AGATTGC CAGCGTTTCG.1_2	YUPIXEL	NK 1
## AGATTGC GTAAATGAC.1_2	YUPIXEL	CD4T 2
## AGATTGC GTATAGGTA.1_2	YUPIXEL	Mono 1
## AGATTGC GTGTGCGTC.1_2	YUPIXEL	CD4T 1
## AGATTGC TCACAAACC.1_2	YUPIXEL	CD4T 4

## AGATTGCTCATCGCTC.1_2	YUPIXEL	NK 4
## AGATTGCTCGGCTTGG.1_2	YUPIXEL	Mono 2
## AGATTGCTCGTCACGG.1_2	YUPIXEL	CD8T 1
## AGCAGCCAGAAACGCC.1_2	YUPIXEL	TNKT 2
## AGCAGCCAGAACTGTA.1_2	YUPIXEL	Mono 4
## AGCAGCCGTCGGATCC.1_2	YUPIXEL	Mono 7
## AGCAGCCGTCTTGATG.1_2	YUPIXEL	CD4T 1
## AGCAGCCGTGCAGGTA.1_2	YUPIXEL	Mono 3
## AGCAGCCGTTGAGTTC.1_2	YUPIXEL	B 3
## AGCAGCCTCCCTCTTT.1_2	YUPIXEL	B 1
## AGCATACAGCGTTGCC.1_2	YUPIXEL	CD8T 1
## AGCATACCATCGACGC.1_2	YUPIXEL	CD4T 2
## AGCATACGTCTTCGTC.1_2	YUPIXEL	CD4T 3
## AGCATACGTGACCAAG.1_2	YUPIXEL	CD4T 3
## AGCATACGTGAGGGTT.1_2	YUPIXEL	CD4T 1
## AGCATACTCATAGCAC.1_2	YUPIXEL	Mono 1
## AGCATACTCGGAATCT.1_2	YUPIXEL	CD8T 2
## AGCCTAAAGGTGCACA.1_2	YUPIXEL	CD4T 1
## AGCCTAAAGTGACTCT.1_2	YUPIXEL	NK 1
## AGCCTAACATATGGTC.1_2	YUPIXEL	CD4T 3
## AGCCTAAGTACTTCTT.1_2	YUPIXEL	CD4T 5
## AGCCTAAGTATGCTTG.1_2	YUPIXEL	B 3
## AGCCTAAGTCGTTGTA.1_2	YUPIXEL	NK 3
## AGCCTAATCCTGTAGA.1_2	YUPIXEL	NK 1
## AGCGGTCAGTCCCACG.1_2	YUPIXEL	CD4T 3
## AGCGGTCCAAAGGCGT.1_2	YUPIXEL	Mono 5
## AGCGGTCTCACAAACC.1_2	YUPIXEL	TNKT 1
## AGCGGTCTCAGTGCAT.1_2	YUPIXEL	CD4T 2
## AGCGGTCTCATGCATG.1_2	YUPIXEL	NK 3
## AGCGTATCATAGAAAC.1_2	YUPIXEL	CD4T 7
## AGCGTATTGAATGGG.1_2	YUPIXEL	Mono 4
## AGCGTATTGCGGCCAA.1_2	YUPIXEL	TNKT 1
## AGCGTATTCTATCCCG.1_2	YUPIXEL	B 1
## AGCGTATTCTCAAACG.1_2	YUPIXEL	Mono 1
## AGCGTATTCTCTAAGG.1_2	YUPIXEL	Mono 5
## AGCGTCGAGACAGGCT.1_2	YUPIXEL	CD4T 4
## AGCTCCTAGAGTGAGA.1_2	YUPIXEL	Mono 5
## AGCTCCTAGGCATGGT.1_2	YUPIXEL	CD4T 3
## AGCTCCTAGGGTTCCC.1_2	YUPIXEL	CD4T 1
## AGCTCCTCACGAGGTA.1_2	YUPIXEL	Mono 5
## AGCTCCTGTCCGAATT.1_2	YUPIXEL	B 3
## AGCTCTCCAATCACAC.1_2	YUPIXEL	Mono 9
## AGCTCTCCACACCGCA.1_2	YUPIXEL	NK 3
## AGCTCTCCAGCCAATT.1_2	YUPIXEL	B 2
## AGCTCTCTACCAGGC.1_2	YUPIXEL	B 2
## AGCTCTCTCGAATGGG.1_2	YUPIXEL	Mono 8
## AGCTCTCTCGTAGGTT.1_2	YUPIXEL	Mono 3
## AGCTCTCTCTTACCTA.1_2	YUPIXEL	Mono 8
## AGCTTGACACTACAGT.1_2	YUPIXEL	TNKT 1
## AGCTTGACATCGGACC.1_2	YUPIXEL	Mono 2
## AGCTTGAGTGTGGGA.1_2	YUPIXEL	Mono 4
## AGCTTGATCAACACAC.1_2	YUPIXEL	CD4T 6
## AGCTTGATCGGTCCGA.1_2	YUPIXEL	B 1
## AGCTTGATCGTACCGG.1_2	YUPIXEL	Mono 5

## AGGCCACGTGTATGGG.1_2	YUPIXEL	B 1
## AGGCCACTCAACCATG.1_2	YUPIXEL	CD4T 1
## AGGCCACTCCCAAGAT.1_2	YUPIXEL	B 1
## AGGCCGTAGAGACTAT.1_2	YUPIXEL	Mono 4
## AGGCCGTAGCAGGTCA.1_2	YUPIXEL	NK 1
## AGGCCGTAGTCGATAA.1_2	YUPIXEL	NK 4
## AGGCCGTTTCGGCATCG.1_2	YUPIXEL	CD4T 1
## AGGGAGTCACCGGAAA.1_2	YUPIXEL	B 1
## AGGGAGTCATCTATGG.1_2	YUPIXEL	B 1
## AGGGAGTGTCTTGCGG.1_2	YUPIXEL	NK 2
## AGGGAGTTCATGTGGT.1_2	YUPIXEL	TNKT 1
## AGGGAGTTCCTCAAGAT.1_2	YUPIXEL	NK 2
## AGGGATGAGAACAAC.1_2	YUPIXEL	CD4T 1
## AGGGATGCAAGACGTG.1_2	YUPIXEL	CD4T 5
## AGGGATGGTCGATTGT.1_2	YUPIXEL	B 1
## AGGGATGGTGGTGTAG.1_2	YUPIXEL	Mono 8
## AGGGATGTCTGTTGAG.1_2	YUPIXEL	B 3
## AGGGTGAAGAGTACAT.1_2	YUPIXEL	NK 1
## AGGGTGAGTCGAACAG.1_2	YUPIXEL	Mono 8
## AGGGTGATCGGTCTAA.1_2	YUPIXEL	CD4T 2
## AGGTCATCAATGGATA.1_2	YUPIXEL	B 3
## AGGTCATGTGAGTATA.1_2	YUPIXEL	B 2
## AGGTCATGTTTGTTC.1_2	YUPIXEL	Mono 8
## AGGTCCGAGACAATAC.1_2	YUPIXEL	CD4T 1
## AGGTCCGAGACTTTTCG.1_2	YUPIXEL	CD4T 3
## AGGTCCGAGTCGCCGT.1_2	YUPIXEL	Mono 4
## AGGTCCGCACCTATCC.1_2	YUPIXEL	TNKT 1
## AGGTCCGGTTAGGGTG.1_2	YUPIXEL	NK 3
## AGGTCCGTCTGTCAAG.1_2	YUPIXEL	NK 1
## AGTAGTCAGGCACATG.1_2	YUPIXEL	Mono 7
## AGTAGTCAGTCATGCT.1_2	YUPIXEL	CD4T 1
## AGTAGTCCAGACTCGC.1_2	YUPIXEL	CD4T 1
## AGTAGTCTCCGCGTTT.1_2	YUPIXEL	CD4T 4
## AGTAGTCTCGCCAAAT.1_2	YUPIXEL	CD4T 5
## AGTCTTTAGCGTGAAC.1_2	YUPIXEL	B 1
## AGTCTTTAGGAATGGA.1_2	YUPIXEL	Mono 2
## AGTCTTTAGGTAAACT.1_2	YUPIXEL	Mono 8
## AGTCTTTAGTCGAGTG.1_2	YUPIXEL	CD8T 2
## AGTCTTTCAGCTCGCA.1_2	YUPIXEL	B 3
## AGTCTTTCATTGGCGC.1_2	YUPIXEL	B 1
## AGTCTTTGTCATTAGC.1_2	YUPIXEL	B 4
## AGTCTTTGTCTAGTCA.1_2	YUPIXEL	CD4T 2
## AGTCTTTGTGACCAAG.1_2	YUPIXEL	B 1
## AGTCTTTTCAAACCGT.1_2	YUPIXEL	Mono 8
## AGTCTTTTCTACTATC.1_2	YUPIXEL	CD8T 2
## AGTCTTTTCTGAGTGT.1_2	YUPIXEL	TNKT 1
## AGTGAGGAGAATAGGG.1_2	YUPIXEL	Mono 9
## AGTGAGGCAAATCCGT.1_2	YUPIXEL	CD4T 3
## AGTGAGGCAGATCTGT.1_2	YUPIXEL	CD4T 4
## AGTGAGGGTACTTCTT.1_2	YUPIXEL	NK 1
## AGTGAGGGTGACCAAG.1_2	YUPIXEL	TNKT 1
## AGTGAGGGTTACGGAG.1_2	YUPIXEL	TNKT 1
## AGTGGGACAAATACAG.1_2	YUPIXEL	CD4T 3
## AGTGGGACATCACGTA.1_2	YUPIXEL	CD8T 1

## AGTGGGACATTCTCAT.1_2	YUPIXEL	B 1
## AGTGGGATCAGGTAAA.1_2	YUPIXEL	B 3
## AGTGGGATCCGAAGAG.1_2	YUPIXEL	CD4T 3
## AGTGTCAAGCCACGTC.1_2	YUPIXEL	CD4T 1
## AGTGTCAAGGCTACGA.1_2	YUPIXEL	CD4T 1
## AGTGTCAAGGGTTTCT.1_2	YUPIXEL	CD4T 5
## AGTGTCAACATCTTT.1_2	YUPIXEL	Mono 8
## AGTGTCACTACAGT.1_2	YUPIXEL	CD4T 1
## AGTTGGTAGAAGAAGC.1_2	YUPIXEL	NK 1
## AGTTGGTAGCGCTTC.1_2	YUPIXEL	Mono 1
## AGTTGGTAGTCAATAG.1_2	YUPIXEL	Mono 1
## AGTTGGTAGTGTTC.1_2	YUPIXEL	CD4T 3
## AGTTGGTCAGTTCCT.1_2	YUPIXEL	CD4T 6
## AGTTGGTGTGCCTGCA.1_2	YUPIXEL	B 1
## AGTTGGTTCAGTTAGC.1_2	YUPIXEL	B 3
## AGTTGGTTCTGTACGA.1_2	YUPIXEL	B 1
## ATAACGCAGATGTAAC.1_2	YUPIXEL	NK 3
## ATAACGCAGATGTTAG.1_2	YUPIXEL	Mono 2
## ATAACGCAGCACAGGT.1_2	YUPIXEL	NK 1
## ATAACGCAGGTGACCA.1_2	YUPIXEL	NK 3
## ATAACGCCAACACCCG.1_2	YUPIXEL	CD4T 3
## ATAACGCCAGGCGATA.1_2	YUPIXEL	NK 1
## ATAACGCCATCAGTCA.1_2	YUPIXEL	CD4T 3
## ATAACGCGTCCAAGTT.1_2	YUPIXEL	Mono 8
## ATAACGCGTTAGTGGG.1_2	YUPIXEL	NK 2
## ATAACGCGTTATGTGC.1_2	YUPIXEL	Mono 3
## ATAACGCGTTGCGCAC.1_2	YUPIXEL	CD4T 3
## ATAACGCTCAGTGCAT.1_2	YUPIXEL	TNKT 1
## ATAAGAGAGGTGACCA.1_2	YUPIXEL	Mono 1
## ATAAGAGCAAGTCTAC.1_2	YUPIXEL	NK 1
## ATAAGAGCACCATCCT.1_2	YUPIXEL	NK 1
## ATAAGAGCAGGTGCCT.1_2	YUPIXEL	CD4T 4
## ATAAGAGCATTCCTCG.1_2	YUPIXEL	CD4T 6
## ATAAGAGGTAAGAGAG.1_2	YUPIXEL	B 1
## ATAAGAGGTCAGAGGT.1_2	YUPIXEL	CD4T 1
## ATAAGAGGTTACAGAA.1_2	YUPIXEL	B 3
## ATAAGAGTCGAACTGT.1_2	YUPIXEL	CD8T 1
## ATAAGAGTCTAAGCCA.1_2	YUPIXEL	TNKT 1
## ATAGACCAGATAGTCA.1_2	YUPIXEL	CD4T 3
## ATAGACCAGTGGTCCC.1_2	YUPIXEL	Mono 4
## ATCACGAAGCTAAGAT.1_2	YUPIXEL	Mono 8
## ATCACGAAGCTCCTCT.1_2	YUPIXEL	Mono 4
## ATCACGACAATAAGCA.1_2	YUPIXEL	NK 2
## ATCACGACACTGTGTA.1_2	YUPIXEL	CD4T 2
## ATCACGAGTATCGCAT.1_2	YUPIXEL	B 1
## ATCACGATCACGCATA.1_2	YUPIXEL	Mono 8
## ATCACGATCAGTCCCT.1_2	YUPIXEL	Mono 8
## ATCACGATCCTAAGTG.1_2	YUPIXEL	B 1
## ATCATCTAGGTGCACA.1_2	YUPIXEL	CD4T 4
## ATCATCTAGTTAACGA.1_2	YUPIXEL	TNKT 1
## ATCATCTCAATTCCTT.1_2	YUPIXEL	NK 1
## ATCATCTCAGTCGATT.1_2	YUPIXEL	CD4T 5
## ATCATCTCAGTTCCT.1_2	YUPIXEL	CD4T 2
## ATCATCTGTAAGAGAG.1_2	YUPIXEL	Mono 4

## ATCATCTGTCACTTCC.1_2	YUPIXEL	B 2
## ATCATCTGTGCGACTGC.1_2	YUPIXEL	Mono 3
## ATCATCTTCAGAGACG.1_2	YUPIXEL	TNKT 1
## ATCATCTTCAGTGCAT.1_2	YUPIXEL	Mono 4
## ATCATCTTCCTTGCCA.1_2	YUPIXEL	TNKT 1
## ATCATGGAGGGATACC.1_2	YUPIXEL	Mono 3
## ATCATGGAGTACATGA.1_2	YUPIXEL	TNKT 1
## ATCATGGAGTGAAGTT.1_2	YUPIXEL	NK 1
## ATCATGGCACAGTCGC.1_2	YUPIXEL	TNKT 1
## ATCATGGCATGAGCGA.1_2	YUPIXEL	CD4T 7
## ATCATGGGTGTGCCTG.1_2	YUPIXEL	Mono 8
## ATCATGGGTTCCTGAG.1_2	YUPIXEL	CD4T 4
## ATCCACCAGGCCCTTG.1_2	YUPIXEL	Mono 4
## ATCCACCCAGAGTGTG.1_2	YUPIXEL	Mono 5
## ATCCACCGTAAACGCG.1_2	YUPIXEL	B 2
## ATCCACCGTGGTGTAG.1_2	YUPIXEL	Mono 9
## ATCCACCGTGAATGA.1_2	YUPIXEL	Mono 8
## ATCCACCGTTTGTGTG.1_2	YUPIXEL	CD4T 1
## ATCCACCTCATTTGGG.1_2	YUPIXEL	CD8T 1
## ATCCACCTCCAAACTG.1_2	YUPIXEL	B 3
## ATCCACCTCCAAATGC.1_2	YUPIXEL	Mono 5
## ATCCGAAAGACGCAAC.1_2	YUPIXEL	CD4T 3
## ATCCGAAAGATATGGT.1_2	YUPIXEL	CD4T 4
## ATCCGAAAGTGCTGCC.1_2	YUPIXEL	CD4T 3
## ATCCGAACAGTCAGAG.1_2	YUPIXEL	CD4T 7
## ATCCGAATCTATCCTA.1_2	YUPIXEL	B 1
## ATCGAGTAGACAGAGA.1_2	YUPIXEL	NK 1
## ATCGAGTAGAGGGATA.1_2	YUPIXEL	Mono 5
## ATCGAGTAGATGTGTA.1_2	YUPIXEL	CD8T 1
## ATCGAGTAGTTACGGG.1_2	YUPIXEL	CD8T 1
## ATCGAGTCAAGCGAGT.1_2	YUPIXEL	CD4T 3
## ATCGAGTCACAAGTAA.1_2	YUPIXEL	Mono 8
## ATCGAGTGTCATATGC.1_2	YUPIXEL	CD4T 1
## ATCGAGTGTCATCCT.1_2	YUPIXEL	CD4T 1
## ATCGAGTTCATAACCG.1_2	YUPIXEL	NK 1
## ATCTACTCAAATTGCC.1_2	YUPIXEL	B 3
## ATCTACTCAGTAAGAT.1_2	YUPIXEL	Mono 5
## ATCTACTGTCGGCTCA.1_2	YUPIXEL	Mono 3
## ATCTACTTCAGGATGT.1_2	YUPIXEL	NK 3
## ATCTGCCAGGTGTTAA.1_2	YUPIXEL	CD4T 1
## ATCTGCCACCCAGTG.1_2	YUPIXEL	CD4T 4
## ATCTGCCGTAACGACG.1_2	YUPIXEL	Mono 1
## ATCTGCCGTGTTTGGT.1_2	YUPIXEL	B 1
## ATCTGCCTCCACTGGG.1_2	YUPIXEL	Mono 5
## ATCTGCCTCCTCCTAG.1_2	YUPIXEL	CD4T 6
## ATGAGGGGTAGGGACT.1_2	YUPIXEL	Mono 2
## ATGAGGGGTCCAATA.1_2	YUPIXEL	Mono 2
## ATGAGGGGTCTAACGT.1_2	YUPIXEL	B 1
## ATGAGGGTCAAGGCTT.1_2	YUPIXEL	Mono 5
## ATGAGGGTCAGCTTAG.1_2	YUPIXEL	NK 4
## ATGCGATAGCTAGTCT.1_2	YUPIXEL	CD4T 1
## ATGCGATGTCAAATC.1_2	YUPIXEL	CD4T 3
## ATGCGATGTCTTCTCG.1_2	YUPIXEL	Mono 3
## ATGCGATGTGGTACAG.1_2	YUPIXEL	CD4T 3

## ATGCGATTCAAACCGT.1_2	YUPIXEL	CD4T 2
## ATGCGATTGCCAGCA.1_2	YUPIXEL	CD4T 4
## ATGGGAGAGGGATGGG.1_2	YUPIXEL	B 1
## ATGGGAGCAGATCCAT.1_2	YUPIXEL	CD4T 2
## ATGGGAGCATCTACGA.1_2	YUPIXEL	TNKT 1
## ATGGGAGGTTTAGCTG.1_2	YUPIXEL	Mono 8
## ATGGGAGTCGGAATA.1_2	YUPIXEL	CD4T 7
## ATGTGTGCACACTGCG.1_2	YUPIXEL	CD4T 6
## ATGTGTGCATCAGTAC.1_2	YUPIXEL	NK 2
## ATGTGTGGTCTCTCTG.1_2	YUPIXEL	B 1
## ATGTGTGGTGAAATCA.1_2	YUPIXEL	CD4T 3
## ATGTGTGGTGACCAAG.1_2	YUPIXEL	Mono 4
## ATGTGTGGTGTTAAGA.1_2	YUPIXEL	B 1
## ATGTGTGTCAACACAC.1_2	YUPIXEL	Mono 5
## ATGTGTGTGCGATGTT.1_2	YUPIXEL	Mono 3
## ATGTGTGTCTGATACG.1_2	YUPIXEL	Mono 1
## ATTA CT CAGACAGACC.1_2	YUPIXEL	B 1
## ATTA CT CAGCTTTGGT.1_2	YUPIXEL	CD4T 1
## ATTA CT CAGTCAAGGC.1_2	YUPIXEL	CD4T 3
## ATTATCCAGAAGGACA.1_2	YUPIXEL	B 3
## ATTATCCAGAGTGACC.1_2	YUPIXEL	Mono 5
## ATTATCCAGTGACCT.1_2	YUPIXEL	B 3
## ATTATCCGTTCCACTC.1_2	YUPIXEL	CD8T 1
## ATTATCCTCCATGCTC.1_2	YUPIXEL	CD4T 1
## ATTATCCTCGATCCCT.1_2	YUPIXEL	B 1
## ATTATCCTCGCTTAGA.1_2	YUPIXEL	CD4T 2
## ATTCTACAGATATACG.1_2	YUPIXEL	Mono 8
## ATTCTACAGATTACCC.1_2	YUPIXEL	CD8T 1
## ATTCTACAGGGTGTGT.1_2	YUPIXEL	CD4T 3
## ATTCTACCACCTCGTT.1_2	YUPIXEL	TNKT 1
## ATTCTACGTAAAGGAG.1_2	YUPIXEL	Mono 9
## ATTCTACTCCTATTCA.1_2	YUPIXEL	B 3
## ATTCTACTCGGTTCCG.1_2	YUPIXEL	CD4T 7
## ATTGGACAGAAGCCCA.1_2	YUPIXEL	B 3
## ATTGGACAGGCCCTCA.1_2	YUPIXEL	NK 4
## ATTGGACAGGCCCTTG.1_2	YUPIXEL	CD8T 1
## ATTGGACGTACCAGTT.1_2	YUPIXEL	CD4T 4
## ATTGGACGTCTCTTAT.1_2	YUPIXEL	NK 1
## ATTGGACGTCTTCAAG.1_2	YUPIXEL	B 3
## ATTGGACTCCGGCACA.1_2	YUPIXEL	CD4T 2
## ATTGGACTCCTATTCA.1_2	YUPIXEL	B 6
## ATTGGTGAGGAGTTGC.1_2	YUPIXEL	CD4T 4
## ATTGGTGAGGTAGCTG.1_2	YUPIXEL	CD8T 2
## ATTGGTGCAAGCCGCT.1_2	YUPIXEL	CD4T 2
## ATTGGTGACCTCGGA.1_2	YUPIXEL	B 1
## ATTGGTGACGAAAGC.1_2	YUPIXEL	B 1
## ATTGGTGACGGTGTC.1_2	YUPIXEL	Mono 7
## ATTGGTGACATACGCCG.1_2	YUPIXEL	B 1
## ATTGGTGACATATGGTC.1_2	YUPIXEL	B 1
## ATTGGTGGTATTAGCC.1_2	YUPIXEL	B 1
## ATTGGTGTGCTATCAG.1_2	YUPIXEL	NK 3
## ATTGGTGTCTCGCTTG.1_2	YUPIXEL	Mono 2
## ATTTCTGAGAAACGAG.1_2	YUPIXEL	B 2
## ATTTCTGAGCTCCTCT.1_2	YUPIXEL	TNKT 1

## ATTTCTGCACATGGGA.1_2	YUPIXEL	Mono 2
## ATTTCTGGTGCAGTAG.1_2	YUPIXEL	CD4T 1
## ATTTCTGTCCCTTGTG.1_2	YUPIXEL	NK 4
## CAACCAAAGTGGCACA.1_2	YUPIXEL	Mono 1
## CAACCAACAGTCAGAG.1_2	YUPIXEL	B 3
## CAACCAACAGTGAGTG.1_2	YUPIXEL	CD8T 3
## CAACCAACATCAGTCA.1_2	YUPIXEL	CD4T 2
## CAACCAAGTACAGTTC.1_2	YUPIXEL	CD4T 3
## CAACCAAGTCTGGAGA.1_2	YUPIXEL	Mono 2
## CAACCAATCGGAAACG.1_2	YUPIXEL	TNKT 2
## CAACCTCAGTGACATA.1_2	YUPIXEL	NK 2
## CAACCTCCATTTCACT.1_2	YUPIXEL	CD4T 6
## CAACCTCGTCATGCAT.1_2	YUPIXEL	B 1
## CAACCTCGTCCAGTAT.1_2	YUPIXEL	CD4T 1
## CAACCTCTCAGTTCGA.1_2	YUPIXEL	CD4T 1
## CAACCTCTCGTGGTCG.1_2	YUPIXEL	Mono 4
## CAACCTCTCTCCAACC.1_2	YUPIXEL	TNKT 1
## CAACCTCTCTTTACAC.1_2	YUPIXEL	Mono 4
## CAACTAGAGAATGTGT.1_2	YUPIXEL	CD4T 5
## CAACTAGAGCTGCGAA.1_2	YUPIXEL	CD4T 3
## CAACTAGAGGGCACTA.1_2	YUPIXEL	CD4T 6
## CAACTAGCATGAACCT.1_2	YUPIXEL	Mono 8
## CAACTAGCATGCAACT.1_2	YUPIXEL	CD4T 1
## CAACTAGGTAAACGCG.1_2	YUPIXEL	TNKT 1
## CAACTAGGTATTACCG.1_2	YUPIXEL	B 3
## CAACTAGTCTCAAACG.1_2	YUPIXEL	Mono 1
## CAACTAGTCTGAGGGA.1_2	YUPIXEL	CD4T 2
## CAAGAAACAACCTGGCC.1_2	YUPIXEL	Mono 9
## CAAGAAACATGCGCAC.1_2	YUPIXEL	TNKT 1
## CAAGAAAGTACCATCA.1_2	YUPIXEL	CD4T 2
## CAAGAAAGTGCGATAG.1_2	YUPIXEL	CD4T 1
## CAAGAAATCATTTGGG.1_2	YUPIXEL	TNKT 1
## CAAGAAATCCGAGCCA.1_2	YUPIXEL	CD4T 1
## CAAGATCAGCGATATA.1_2	YUPIXEL	CD8T 1
## CAAGATCAGGCTAGAC.1_2	YUPIXEL	CD4T 4
## CAAGATCCAGCCTGTG.1_2	YUPIXEL	CD4T 3
## CAAGATCGTACTCTCC.1_2	YUPIXEL	NK 2
## CAAGATCGTCTGCGGT.1_2	YUPIXEL	CD4T 6
## CAAGATCGTTCGGCAC.1_2	YUPIXEL	Mono 5
## CAAGATCTCACTATTC.1_2	YUPIXEL	B 3
## CAAGATCTCTGAGGGA.1_2	YUPIXEL	Mono 2
## CAAGGCCAGAAGAAGC.1_2	YUPIXEL	B 3
## CAAGGCCAGCCCTAAT.1_2	YUPIXEL	TNKT 1
## CAAGGCCAGGTAAACT.1_2	YUPIXEL	CD4T 6
## CAAGGCCCAGGAACGT.1_2	YUPIXEL	CD4T 2
## CAAGGCCCATCCCACT.1_2	YUPIXEL	CD4T 1
## CAAGGCCCATTGAGCT.1_2	YUPIXEL	CD4T 2
## CAAGGCCGTAACGCGA.1_2	YUPIXEL	NK 1
## CAAGGCCGTGCAACTT.1_2	YUPIXEL	CD4T 5
## CAAGGCCGTGTTGGGA.1_2	YUPIXEL	Mono 7
## CAAGGCCTCAACCAAC.1_2	YUPIXEL	CD4T 3
## CAAGTTGGTAAGGGAA.1_2	YUPIXEL	B 3
## CAAGTTGGTATGAATG.1_2	YUPIXEL	CD4T 3
## CAAGTTGGTGTGTGCC.1_2	YUPIXEL	CD4T 1

## CAAGTTGTCACTCCTG.1_2	YUPIXEL	CD4T 3
## CAAGTTGTCAGTTTGG.1_2	YUPIXEL	Mono 2
## CACAAACCAAAGCAAT.1_2	YUPIXEL	CD8T 2
## CACAAACCACGGCCAT.1_2	YUPIXEL	Mono 4
## CACAAACCACTTACGA.1_2	YUPIXEL	CD4T 7
## CACAAACCATCCGTGG.1_2	YUPIXEL	B 1
## CACAAACCATGCCACG.1_2	YUPIXEL	CD4T 1
## CACAAACCATGGTCAT.1_2	YUPIXEL	B 2
## CACAAACGTACCGAGA.1_2	YUPIXEL	Mono 2
## CACAAACGTAGCTGCC.1_2	YUPIXEL	Mono 4
## CACAAACGTCTTGTCC.1_2	YUPIXEL	CD4T 1
## CACACAAAGCGAGAAA.1_2	YUPIXEL	Mono 7
## CACACAAAGTTGAGAT.1_2	YUPIXEL	CD4T 2
## CACACAACACAGCGTC.1_2	YUPIXEL	NK 3
## CACACAAGTGTCGCTG.1_2	YUPIXEL	Mono 4
## CACACAATCAACGGGA.1_2	YUPIXEL	B 1
## CACACCTAGCTAAACA.1_2	YUPIXEL	TNKT 2
## CACACCTCACCGGAAA.1_2	YUPIXEL	TNKT 1
## CACACCTGTCCAGTAT.1_2	YUPIXEL	Mono 8
## CACACCTGTTAGAACA.1_2	YUPIXEL	B 2
## CACACCTTCTGAGTGT.1_2	YUPIXEL	Mono 9
## CACACTCAGCTCCTCT.1_2	YUPIXEL	TNKT 1
## CACACTCCACACGCTG.1_2	YUPIXEL	CD8T 2
## CACACTCCATTCACTT.1_2	YUPIXEL	Mono 7
## CACACTCGTACGCTGC.1_2	YUPIXEL	Mono 4
## CACACTCGTTGATTCTG.1_2	YUPIXEL	Mono 8
## CACACTCGTTTACTCT.1_2	YUPIXEL	B 4
## CACACTCTCCAACCAA.1_2	YUPIXEL	Mono 4
## CACACTCTCGTGGACC.1_2	YUPIXEL	B 2
## CACACTCTCTTATCTG.1_2	YUPIXEL	B 1
## CACACTCTCTTCGAGA.1_2	YUPIXEL	B 1
## CACAGGCGTAAACGCG.1_2	YUPIXEL	B 6
## CACAGGCGTCGCGAAA.1_2	YUPIXEL	CD4T 3
## CACAGGCGTTGGTTTG.1_2	YUPIXEL	CD4T 1
## CACAGGCTCCGTACAA.1_2	YUPIXEL	B 1
## CACAGTAAGCCGCCTA.1_2	YUPIXEL	Mono 9
## CACAGTACAAAGCGGT.1_2	YUPIXEL	B 1
## CACAGTACAAATTGCC.1_2	YUPIXEL	Mono 4
## CACAGTACAATCCGAT.1_2	YUPIXEL	NK 3
## CACAGTACACACTGCG.1_2	YUPIXEL	B 2
## CACAGTACAGTGGAGT.1_2	YUPIXEL	B 2
## CACAGTATCAAGAAGT.1_2	YUPIXEL	B 2
## CACAGTATCACAGGCC.1_2	YUPIXEL	Mono 3
## CACAGTATCCTAGGGC.1_2	YUPIXEL	Mono 9
## CACATAGAGGACAGCT.1_2	YUPIXEL	CD4T 1
## CACATAGAGGAGTAGA.1_2	YUPIXEL	NK 1
## CACATAGAGGGTATCG.1_2	YUPIXEL	NK 3
## CACATAGAGTGAAGAG.1_2	YUPIXEL	B 1
## CACATAGCACACTGCG.1_2	YUPIXEL	Mono 4
## CACATAGCATAACGCCG.1_2	YUPIXEL	CD8T 1
## CACATAGGTACATGTC.1_2	YUPIXEL	TNKT 1
## CACATAGGTGTGAAAT.1_2	YUPIXEL	CD4T 1
## CACATAGTCTTTAGGG.1_2	YUPIXEL	CD4T 6
## CACATTTAGCCAACAG.1_2	YUPIXEL	CD4T 7

## CACATTTGTGTTTCGAT.1_2	YUPIXEL	NK 3
## CACATTTTCATGGTCA.1_2	YUPIXEL	B 2
## CACCACTAGTGAACAT.1_2	YUPIXEL	CD4T 1
## CACCACTGTACAGCAG.1_2	YUPIXEL	B 3
## CACCACTGTCTCATCC.1_2	YUPIXEL	Mono 4
## CACCAGGAGACCCACC.1_2	YUPIXEL	B 5
## CACCAGGAGATAGTCA.1_2	YUPIXEL	CD4T 3
## CACCAGGCAACCGCCA.1_2	YUPIXEL	CD4T 5
## CACCAGGCAATCCGAT.1_2	YUPIXEL	NK 2
## CACCAGGCACACGCTG.1_2	YUPIXEL	B 3
## CACCAGGGTACTCTCC.1_2	YUPIXEL	TNKT 1
## CACCTTGCAGCTCGCA.1_2	YUPIXEL	Mono 5
## CACCTTGGTGCACGAA.1_2	YUPIXEL	NK 3
## CACCTTGTCAACGGCC.1_2	YUPIXEL	CD4T 6
## CACCTTGTCCCAAGAT.1_2	YUPIXEL	Mono 2
## CACCTTGTGCGAAGC.1_2	YUPIXEL	CD4T 3
## CACTCCAAGCTAACAA.1_2	YUPIXEL	B 6
## CACTCCAAGGAATTAC.1_2	YUPIXEL	CD4T 2
## CACTCCACAATCAGAA.1_2	YUPIXEL	Mono 5
## CACTCCACACATCTTT.1_2	YUPIXEL	Mono 4
## CACTCCAGTACAGTTC.1_2	YUPIXEL	Mono 3
## CACTCCAGTGTGAAAT.1_2	YUPIXEL	Mono 8
## CACTCCATCGCTGATA.1_2	YUPIXEL	CD4T 1
## CAGAATCAGTCAATAG.1_2	YUPIXEL	TNKT 1
## CAGAATCCACAAGACG.1_2	YUPIXEL	B 3
## CAGAATCCATTAGCCA.1_2	YUPIXEL	B 4
## CAGAATCGTACCTACA.1_2	YUPIXEL	TNKT 1
## CAGAATCGTAGCGTCC.1_2	YUPIXEL	B 3
## CAGAATCTCTAACGGT.1_2	YUPIXEL	CD4T 2
## CAGAGAGAGGTCATCT.1_2	YUPIXEL	CD4T 1
## CAGAGAGCAAAGTCAA.1_2	YUPIXEL	NK 1
## CAGAGAGCACAGGCCT.1_2	YUPIXEL	CD4T 1
## CAGAGAGCATGGAATA.1_2	YUPIXEL	CD4T 1
## CAGAGAGGTCAATACC.1_2	YUPIXEL	TNKT 1
## CAGAGAGGTCTTCGTC.1_2	YUPIXEL	Mono 5
## CAGATCAAGAGACTTA.1_2	YUPIXEL	CD4T 1
## CAGATCAAGGATGGTC.1_2	YUPIXEL	CD4T 2
## CAGATCACACATGGGA.1_2	YUPIXEL	Mono 2
## CAGATCACATATAACG.1_2	YUPIXEL	Mono 1
## CAGATCAGTTTGCATG.1_2	YUPIXEL	CD8T 2
## CAGATCATCACAATGC.1_2	YUPIXEL	CD4T 1
## CAGATCATCAGAGGTG.1_2	YUPIXEL	Mono 8
## CAGATCATCATCTGTT.1_2	YUPIXEL	CD4T 3
## CAGATCATCGGACAAG.1_2	YUPIXEL	NK 2
## CAGATCATCGGGAGTA.1_2	YUPIXEL	CD4T 1
## CAGATCATCTTAGCCC.1_2	YUPIXEL	B 2
## CAGCAGCAGTCCAGGA.1_2	YUPIXEL	B 3
## CAGCAGCGTTTGGCGC.1_2	YUPIXEL	B 1
## CAGCAGCTCAGTGTTG.1_2	YUPIXEL	NK 2
## CAGCAGCTCCACTGGG.1_2	YUPIXEL	Mono 7
## CAGCAGCTCTGTCCGT.1_2	YUPIXEL	NK 1
## CAGCATAAGAAGGCCT.1_2	YUPIXEL	Mono 2
## CAGCATAAGACGCTTT.1_2	YUPIXEL	Mono 3
## CAGCATAAGCTCCTCT.1_2	YUPIXEL	Mono 5

## CAGCATAAGGTTTCCTA.1_2	YUPIXEL	Mono 5
## CAGCATACAACGATGG.1_2	YUPIXEL	Mono 7
## CAGCATAGTCACTTCC.1_2	YUPIXEL	CD4T 1
## CAGCATAGTGCAACTT.1_2	YUPIXEL	Mono 8
## CAGCATATCAGGCCCA.1_2	YUPIXEL	Mono 5
## CAGCCGACACTACAGT.1_2	YUPIXEL	Mono 4
## CAGCCGAGTTGGACCC.1_2	YUPIXEL	Mono 8
## CAGCCGATCATGTAGC.1_2	YUPIXEL	Mono 4
## CAGCGACAGATCACGG.1_2	YUPIXEL	CD4T 3
## CAGCGACCATTACCTT.1_2	YUPIXEL	CD4T 2
## CAGCGACGTGCTTCTC.1_2	YUPIXEL	CD4T 4
## CAGCGACGTGGAAAGA.1_2	YUPIXEL	Mono 8
## CAGCGACGTTCAACCA.1_2	YUPIXEL	B 1
## CAGCGACGTTTCAGACT.1_2	YUPIXEL	B 2
## CAGCGACGTTTCAGTAC.1_2	YUPIXEL	Mono 8
## CAGCGACGTTTCGGGCT.1_2	YUPIXEL	B 1
## CAGCGACTCCTGCTTG.1_2	YUPIXEL	TNKT 1
## CAGCTAAAGACCGGAT.1_2	YUPIXEL	CD4T 2
## CAGCTAAAGCTAACAA.1_2	YUPIXEL	TNKT 1
## CAGCTAAAGGATTCCG.1_2	YUPIXEL	B 1
## CAGCTAACAAGCGCTC.1_2	YUPIXEL	CD4T 3
## CAGCTAACACGCGAAA.1_2	YUPIXEL	Mono 5
## CAGCTAAGTCACCCAG.1_2	YUPIXEL	Mono 2
## CAGCTAAGTTAAGACA.1_2	YUPIXEL	Mono 8
## CAGCTGGAGCGATATA.1_2	YUPIXEL	CD4T 4
## CAGCTGGAGGCCATAG.1_2	YUPIXEL	Mono 8
## CAGCTGGCACCTATCC.1_2	YUPIXEL	Mono 2
## CAGCTGGGTGGACGAT.1_2	YUPIXEL	CD4T 3
## CAGCTGGGTTCCTACTC.1_2	YUPIXEL	CD4T 2
## CAGCTGGTTCGGTTCGG.1_2	YUPIXEL	CD4T 1
## CAGCTGGTCTCAAACG.1_2	YUPIXEL	CD4T 6
## CAGGTGCAGCCGGTAA.1_2	YUPIXEL	NK 1
## CAGGTGCCAACAACCT.1_2	YUPIXEL	NK 2
## CAGGTGCCAAGTTCTG.1_2	YUPIXEL	TNKT 2
## CAGGTGCGTCAGAATA.1_2	YUPIXEL	NK 2
## CAGGTGCGTCCGCTGA.1_2	YUPIXEL	Mono 5
## CAGGTGCGTCTAGTCA.1_2	YUPIXEL	B 3
## CAGGTGCTCCTGTACC.1_2	YUPIXEL	B 1
## CAGGTGCTCGAACGGA.1_2	YUPIXEL	Mono 5
## CAGGTGCTCGTCACGG.1_2	YUPIXEL	CD4T 2
## CAGGTGCTCTATCCCG.1_2	YUPIXEL	TNKT 1
## CAGGTGCTCTATCGCC.1_2	YUPIXEL	NK 3
## CAGGTGCTCTGCTTGC.1_2	YUPIXEL	TNKT 1
## CAGTAACAGATCGGGT.1_2	YUPIXEL	CD4T 4
## CAGTAACGTAATAGCA.1_2	YUPIXEL	TNKT 1
## CAGTCCTAGAGTCTGG.1_2	YUPIXEL	B 1
## CAGTCCTCAATCCAAC.1_2	YUPIXEL	Mono 2
## CAGTCCTCATCTATGG.1_2	YUPIXEL	B 1
## CAGTCCTCATCTCCCA.1_2	YUPIXEL	Mono 4
## CAGTCCTGTGAAAGC.1_2	YUPIXEL	CD4T 5
## CAGTCCTGTCTCATCC.1_2	YUPIXEL	Mono 2
## CAGTCCTGTGGAAAGA.1_2	YUPIXEL	NK 1
## CAGTCCTTCGCAGGCT.1_2	YUPIXEL	B 6
## CAGTCCTTCGTACGGC.1_2	YUPIXEL	CD4T 6

## CAGTCCTTCTCCCTGA.1_2	YUPIXEL	B 1
## CATATGGAGGAAGTGC.1_2	YUPIXEL	CD4T 7
## CATATGGAGGCGTACA.1_2	YUPIXEL	CD4T 4
## CATATGGCAAGCTGTT.1_2	YUPIXEL	CD4T 2
## CATATGGTCCCAGGTG.1_2	YUPIXEL	Mono 8
## CATATGGTCGAATGGG.1_2	YUPIXEL	CD4T 3
## CATATTCAGGGCTCTC.1_2	YUPIXEL	CD4T 6
## CATATTCGTGAGGGTT.1_2	YUPIXEL	Mono 9
## CATATTCGTGTGAATA.1_2	YUPIXEL	NK 2
## CATATTCTCGGAAACG.1_2	YUPIXEL	B 2
## CATCAAGAGAGCCTAG.1_2	YUPIXEL	Mono 7
## CATCAAGAGCGCTCCA.1_2	YUPIXEL	Mono 5
## CATCAAGAGGAGTAGA.1_2	YUPIXEL	B 2
## CATCAAGCAAGTCTAC.1_2	YUPIXEL	CD4T 2
## CATCAAGCACAAGCCC.1_2	YUPIXEL	Mono 8
## CATCAAGCACCGAATT.1_2	YUPIXEL	NK 2
## CATCAAGCATGAACCT.1_2	YUPIXEL	B 3
## CATCAAGCATTCTTAC.1_2	YUPIXEL	TNKT 1
## CATCAAGGTAAGTAGT.1_2	YUPIXEL	Mono 4
## CATCAAGGTCGTTGTA.1_2	YUPIXEL	CD4T 1
## CATCAAGTCCGTCAA.1_2	YUPIXEL	NK 4
## CATCAGAAGGCTACGA.1_2	YUPIXEL	CD4T 7
## CATCAGAAGGTCGAT.1_2	YUPIXEL	TNKT 1
## CATCAGACAAGTCTGT.1_2	YUPIXEL	CD4T 7
## CATCAGACAATGACCT.1_2	YUPIXEL	CD4T 3
## CATCAGACACGTGAGA.1_2	YUPIXEL	B 1
## CATCAGACAGTCTTCC.1_2	YUPIXEL	CD4T 7
## CATCAGACATCCGTGG.1_2	YUPIXEL	CD4T 3
## CATCAGACATTAACCG.1_2	YUPIXEL	CD4T 4
## CATCAGATCCAAGTAC.1_2	YUPIXEL	CD4T 1
## CATCAGATCCCTCAGT.1_2	YUPIXEL	CD4T 5
## CATCAGATCGGCGGTT.1_2	YUPIXEL	CD4T 3
## CATCAGATCTCTGAGA.1_2	YUPIXEL	Mono 9
## CATCAGATCTGGTATG.1_2	YUPIXEL	B 1
## CATCCACAGCTAGCCC.1_2	YUPIXEL	TNKT 1
## CATCCACAGGATGTAT.1_2	YUPIXEL	Mono 8
## CATCCACCACGGTGTC.1_2	YUPIXEL	Mono 4
## CATCCACCATGCATGT.1_2	YUPIXEL	NK 3
## CATCCACGTGCACTTA.1_2	YUPIXEL	Mono 2
## CATCCACTCACTTACT.1_2	YUPIXEL	CD4T 6
## CATCGAAAGAATTGTG.1_2	YUPIXEL	TNKT 1
## CATCGAAGTGATGTGG.1_2	YUPIXEL	Mono 4
## CATCGAATCCGCAGTG.1_2	YUPIXEL	CD4T 5
## CATCGAATCCTATGTT.1_2	YUPIXEL	CD4T 3
## CATCGAATCGCCAAAT.1_2	YUPIXEL	Mono 4
## CATCGAATCGGCTACG.1_2	YUPIXEL	Mono 8
## CATCGGGGTCTGGTCG.1_2	YUPIXEL	CD4T 1
## CATCGGGTCAACACTG.1_2	YUPIXEL	NK 1
## CATCGGGTCGTACGGC.1_2	YUPIXEL	CD4T 2
## CATCGGGTCTGCAGTA.1_2	YUPIXEL	NK 1
## CATGACAAGATATGGT.1_2	YUPIXEL	NK 3
## CATGACACAGACACTT.1_2	YUPIXEL	CD4T 2
## CATGACACATAGACTC.1_2	YUPIXEL	NK 3
## CATGACAGTAAGGGCT.1_2	YUPIXEL	B 3

## CATGACAGTATGAAAC.1_2	YUPIXEL	CD4T 5
## CATGACAGTGATGTGG.1_2	YUPIXEL	CD4T 1
## CATGACAGTGGCCCTA.1_2	YUPIXEL	TNKT 1
## CATGACAGTTCCTCCA.1_2	YUPIXEL	CD4T 4
## CATGACATCGTACCGG.1_2	YUPIXEL	CD4T 4
## CATGACATCTGTACGA.1_2	YUPIXEL	CD4T 6
## CATGACATCTTCATGT.1_2	YUPIXEL	B 1
## CATGACATCTTCGGTC.1_2	YUPIXEL	CD4T 5
## CATGCCTAGATCTGAA.1_2	YUPIXEL	Mono 2
## CATGCCTAGGCAAAGA.1_2	YUPIXEL	B 3
## CATGCCTCAAGGTTTC.1_2	YUPIXEL	TNKT 2
## CATGCCTGTACTCTCC.1_2	YUPIXEL	NK 2
## CATGCCTTCCCTGACT.1_2	YUPIXEL	B 3
## CATGCCTTCGTAGGAG.1_2	YUPIXEL	CD4T 6
## CATGCCTTCTAGCACA.1_2	YUPIXEL	Mono 9
## CATGGCGAGCGACGTA.1_2	YUPIXEL	CD4T 7
## CATGGCGAGGCAAAGA.1_2	YUPIXEL	B 1
## CATGGCGGTAAATACG.1_2	YUPIXEL	Mono 7
## CATGGCGGTTCTGAAC.1_2	YUPIXEL	CD4T 2
## CATTATCAGACAATAC.1_2	YUPIXEL	CD4T 7
## CATTATCAGCTGCCCCA.1_2	YUPIXEL	B 1
## CATTATCGTCAGAATA.1_2	YUPIXEL	NK 3
## CATTATCGTCTACCTC.1_2	YUPIXEL	B 1
## CATTATCGTTTGTGTG.1_2	YUPIXEL	CD4T 1
## CATTATCTCGAACGGA.1_2	YUPIXEL	CD4T 3
## CATTATCTCGCGTTTC.1_2	YUPIXEL	NK 4
## CATTGCGCAATCACAC.1_2	YUPIXEL	CD4T 4
## CATTGCGGTTGCCTCT.1_2	YUPIXEL	NK 3
## CCAATCCAGGTGCTTT.1_2	YUPIXEL	B 3
## CCAATCCAGTTCACAA.1_2	YUPIXEL	B 3
## CCAATCCCCTCAGGC.1_2	YUPIXEL	B 1
## CCAATCCCATCATCCC.1_2	YUPIXEL	CD4T 6
## CCAATCCGTCTAGCG.1_2	YUPIXEL	Mono 8
## CCAATCCGTCTTGCGG.1_2	YUPIXEL	CD8T 2
## CCAATCCGTGAACCTT.1_2	YUPIXEL	CD4T 7
## CCAATCCGTAAAGAC.1_2	YUPIXEL	Mono 8
## CCAATCCTCGCATGGC.1_2	YUPIXEL	Mono 4
## CCACCTACACAAGACG.1_2	YUPIXEL	B 2
## CCACCTACACACTGCG.1_2	YUPIXEL	TNKT 1
## CCACCTAGTCAGATAA.1_2	YUPIXEL	B 5
## CCACCTATCCCAAGTA.1_2	YUPIXEL	Mono 9
## CCACGGACAGATAATG.1_2	YUPIXEL	B 1
## CCACGGACATGCTAGT.1_2	YUPIXEL	NK 1
## CCACGGAGTAGAGTGC.1_2	YUPIXEL	CD4T 7
## CCACGGAGTCGGCTCA.1_2	YUPIXEL	Mono 8
## CCACGGAGTGAAAGAG.1_2	YUPIXEL	CD4T 1
## CCACGGAGTGATGTGG.1_2	YUPIXEL	CD4T 5
## CCACTACAGCACGCCT.1_2	YUPIXEL	B 6
## CCACTACAGGCAAAGA.1_2	YUPIXEL	B 2
## CCACTACAGTTAGGTA.1_2	YUPIXEL	Mono 8
## CCACTACCAAAGTGTG.1_2	YUPIXEL	B 3
## CCACTACCAAGGGTCA.1_2	YUPIXEL	TNKT 1
## CCACTACCACATGACT.1_2	YUPIXEL	CD4T 6
## CCACTACCAGCGAACA.1_2	YUPIXEL	NK 1

## CCACTACCACTATCTG.1_2	YUPIXEL	Mono 8
## CCACTACGTGCAGTAG.1_2	YUPIXEL	B 2
## CCACTACGTTATCACG.1_2	YUPIXEL	NK 3
## CCACTACTCCACTGGG.1_2	YUPIXEL	NK 4
## CCACTACTCCCATTTA.1_2	YUPIXEL	Mono 3
## CCAGCGAAGACGACGT.1_2	YUPIXEL	CD4T 2
## CCAGCGACAATGCCAT.1_2	YUPIXEL	CD8T 1
## CCAGCGAGTAGCAAAT.1_2	YUPIXEL	CD4T 1
## CCAGCGAGTAGGGACT.1_2	YUPIXEL	CD4T 1
## CCAGCGAGTGTGAATA.1_2	YUPIXEL	CD4T 1
## CCAGCGAGTTGACGTT.1_2	YUPIXEL	B 1
## CCAGCGATCAACACAC.1_2	YUPIXEL	Mono 3
## CCAGCGATCAAGCCTA.1_2	YUPIXEL	CD4T 7
## CCAGCGATCAGCTCTC.1_2	YUPIXEL	Mono 6
## CCAGCGATCGCTTGTC.1_2	YUPIXEL	Mono 3
## CCAGCGATCTATCCTA.1_2	YUPIXEL	Mono 5
## CCAGCGATCTTGAGGT.1_2	YUPIXEL	CD4T 2
## CCATGTCAGCGTGAGT.1_2	YUPIXEL	Mono 2
## CCATGTCCAACACCCG.1_2	YUPIXEL	TNKT 1
## CCATGTCGTAAGGATT.1_2	YUPIXEL	B 1
## CCATGTCGTACGCACC.1_2	YUPIXEL	TNKT 1
## CCATGTCGTACGCTGC.1_2	YUPIXEL	CD4T 1
## CCATGTCGTAGCTGCC.1_2	YUPIXEL	NK 1
## CCATGTCGTGACTACT.1_2	YUPIXEL	B 1
## CCATGTCGTGAGGGTT.1_2	YUPIXEL	B 1
## CCATTGAGCCGGTAA.1_2	YUPIXEL	B 3
## CCATTGCGACATTTCT.1_2	YUPIXEL	TNKT 1
## CCATTGCGACCAGGTC.1_2	YUPIXEL	Mono 4
## CCATTGCGACGTTGGC.1_2	YUPIXEL	NK 4
## CCATTGCGACTGTCCG.1_2	YUPIXEL	NK 4
## CCATTGCGACTGTGTA.1_2	YUPIXEL	Mono 8
## CCATTGCGTCGGCACT.1_2	YUPIXEL	CD4T 4
## CCATTGCTCCTTTACA.1_2	YUPIXEL	TNKT 1
## CCATTGCTCTTAACCT.1_2	YUPIXEL	TNKT 1
## CCCAATCGTGCTAGCC.1_2	YUPIXEL	CD8T 1
## CCCAATCGTTCCTACTC.1_2	YUPIXEL	Mono 8
## CCCAATCTCAAGAAGT.1_2	YUPIXEL	CD4T 1
## CCCAATCTCACAATGC.1_2	YUPIXEL	CD4T 2
## CCCAATCTCATCACCC.1_2	YUPIXEL	NK 3
## CCCAATCTCGCAAGCC.1_2	YUPIXEL	Mono 3
## CCCAGTTAGCCATCGC.1_2	YUPIXEL	Mono 5
## CCCAGTTAGCGTAGTG.1_2	YUPIXEL	Mono 5
## CCCAGTTGTCGGGTCT.1_2	YUPIXEL	TNKT 1
## CCCAGTTTCCGTACAA.1_2	YUPIXEL	CD4T 3
## CCCAGTTTCTGTCAGG.1_2	YUPIXEL	CD4T 1
## CCCAGTTTTCGGTGTTA.1_2	YUPIXEL	CD4T 6
## CCCATACCAACGTTGG.1_2	YUPIXEL	Mono 3
## CCTCCTCATCACGAT.1_2	YUPIXEL	B 3
## CCTCCTGTGGGTCAA.1_2	YUPIXEL	NK 2
## CCTCCTTCAACGGCC.1_2	YUPIXEL	TNKT 1
## CCTCCTTCCAGAAGG.1_2	YUPIXEL	Mono 9
## CCTCCTTCTTTACGT.1_2	YUPIXEL	CD4T 5
## CCGGGATAGTACATGA.1_2	YUPIXEL	B 1
## CCGGGATCAAAGCAAT.1_2	YUPIXEL	CD4T 1

## CCGGGATCATTTCACT.1_2	YUPIXEL	NK 4
## CCGGGATGTATGCTTG.1_2	YUPIXEL	B 1
## CCGGGATGTCTAGTCA.1_2	YUPIXEL	B 3
## CCGGTAGAGCCACTAT.1_2	YUPIXEL	Mono 4
## CCGGTAGAGGACCACA.1_2	YUPIXEL	CD4T 7
## CCGGTAGAGGTAGCTG.1_2	YUPIXEL	CD4T 6
## CCGGTAGAGTACATGA.1_2	YUPIXEL	CD4T 3
## CCGGTAGCACACATGT.1_2	YUPIXEL	NK 1
## CCGGTAGCATCGACGC.1_2	YUPIXEL	B 1
## CCGGTAGGTGCACCAC.1_2	YUPIXEL	CD4T 1
## CCGGTAGGTTCCCGAG.1_2	YUPIXEL	NK 1
## CCGGTAGTCTAAGCCA.1_2	YUPIXEL	Mono 8
## CCGGTAGTCTTCGAGA.1_2	YUPIXEL	B 2
## CCGGTAGTCTTGAGGT.1_2	YUPIXEL	CD4T 2
## CCGTACTAGCGTGAGT.1_2	YUPIXEL	B 2
## CCGTACTCATACGCTA.1_2	YUPIXEL	CD4T 3
## CCGTACTGTCCATGAT.1_2	YUPIXEL	B 1
## CCGTACTGTCTGATTG.1_2	YUPIXEL	Mono 8
## CCGTACTTCCAGATCA.1_2	YUPIXEL	TNKT 1
## CCGTACTTCCAGTATG.1_2	YUPIXEL	B 1
## CCGTACTTCTTGACGA.1_2	YUPIXEL	TNKT 1
## CCGTGGAAGATCCCAT.1_2	YUPIXEL	Mono 5
## CCGTGGAAGCCGATTT.1_2	YUPIXEL	CD4T 2
## CCGTGGAAGTACTTGC.1_2	YUPIXEL	B 1
## CCGTGGACAATAGCGG.1_2	YUPIXEL	CD4T 3
## CCGTGGAGTCCGAATT.1_2	YUPIXEL	CD4T 1
## CCGTGGAGTTACGTCA.1_2	YUPIXEL	NK 4
## CCGTGGATCCTTAATC.1_2	YUPIXEL	B 2
## CCGTTCAAGGGATCTG.1_2	YUPIXEL	Mono 5
## CCGTTCAAGTGACGT.1_2	YUPIXEL	CD8T 2
## CCGTTCAGTTAAAGTG.1_2	YUPIXEL	CD4T 1
## CCTAAAGAGAGGTTGC.1_2	YUPIXEL	Mono 1
## CCTAAAGAGGCTAGAC.1_2	YUPIXEL	Mono 9
## CCTAAAGCAGCCTTTC.1_2	YUPIXEL	Mono 8
## CCTAAAGTCTCTGCTG.1_2	YUPIXEL	NK 3
## CCTAAAGTCTTACCTA.1_2	YUPIXEL	B 3
## CCTACACAGCTCAACT.1_2	YUPIXEL	CD4T 7
## CCTACACCAACCGCCA.1_2	YUPIXEL	Mono 3
## CCTACACCAATCAGAA.1_2	YUPIXEL	Mono 3
## CCTACACCACGAGAGT.1_2	YUPIXEL	CD4T 3
## CCTACACCATTATCTC.1_2	YUPIXEL	TNKT 1
## CCTACACGTAAGGGAA.1_2	YUPIXEL	Mono 9
## CCTACACGTGAGCGAT.1_2	YUPIXEL	CD4T 7
## CCTACACGTTCCGGCA.1_2	YUPIXEL	B 1
## CCTACACGTTCGAATC.1_2	YUPIXEL	CD4T 6
## CCTACACTCGACGGAA.1_2	YUPIXEL	NK 3
## CCTACCAAGAAAACCGC.1_2	YUPIXEL	CD4T 1
## CCTACCAGTCATTAGC.1_2	YUPIXEL	CD4T 1
## CCTACCAGTCGACTAT.1_2	YUPIXEL	B 3
## CCTACCAGTGAGCGAT.1_2	YUPIXEL	CD4T 3
## CCTACCATCTTTACAC.1_2	YUPIXEL	CD4T 3
## CCTAGCTAGAAAACGAG.1_2	YUPIXEL	Mono 8
## CCTAGCTAGTCCTCCT.1_2	YUPIXEL	TNKT 1
## CCTAGCTCACTTAACG.1_2	YUPIXEL	Mono 8

## CCTAGCTGTGAGGGTT.1_2	YUPIXEL	B 2
## CCTAGCTGTTAAGGGC.1_2	YUPIXEL	Mono 7
## CCTAGCTGTTAAGTAG.1_2	YUPIXEL	CD4T 7
## CCTAGCTTCCCTGACT.1_2	YUPIXEL	B 3
## CCTAGCTTCTCGATGA.1_2	YUPIXEL	NK 4
## CCTATTACAAGAAGAG.1_2	YUPIXEL	CD4T 4
## CCTATTAGTGGCCCTA.1_2	YUPIXEL	CD4T 5
## CCTCAGTAGAGGTTGC.1_2	YUPIXEL	Mono 5
## CCTCAGTAGCACGCCT.1_2	YUPIXEL	Mono 8
## CCTCAGTGTCTCTTTA.1_2	YUPIXEL	NK 1
## CCTCAGTGTCTGCGGT.1_2	YUPIXEL	CD4T 7
## CCTCAGTGTGTGCCTG.1_2	YUPIXEL	CD4T 1
## CCTCAGTTCAGAAGG.1_2	YUPIXEL	B 3
## CCTCAGTTCATGCTC.1_2	YUPIXEL	Mono 1
## CCTCAGTTCCTAAGTG.1_2	YUPIXEL	Mono 4
## CCTCTGAAGATAGTCA.1_2	YUPIXEL	CD4T 1
## CCTCTGAAGGAATCGC.1_2	YUPIXEL	CD4T 2
## CCTCTGACAATCCGAT.1_2	YUPIXEL	CD4T 1
## CCTCTGACAGATCCAT.1_2	YUPIXEL	CD4T 2
## CCTCTGAGTACAGTGG.1_2	YUPIXEL	B 2
## CCTCTGAGTTTAGGAA.1_2	YUPIXEL	B 2
## CCTTACGAGACTAGAT.1_2	YUPIXEL	B 1
## CCTTCCCAGCGATATA.1_2	YUPIXEL	Mono 9
## CCTTCCCAGGCACATG.1_2	YUPIXEL	B 1
## CCTTCCCAGTACACCT.1_2	YUPIXEL	TNKT 1
## CCTTCCCGTGCTAGCC.1_2	YUPIXEL	NK 1
## CCTTCCCGTGGTCTCG.1_2	YUPIXEL	Mono 8
## CCTTCCCTCGCCATAA.1_2	YUPIXEL	B 2
## CCTTCGAAGGCCCTTG.1_2	YUPIXEL	CD4T 6
## CCTTCGACAAGCCGTC.1_2	YUPIXEL	Mono 4
## CCTTCGAGTGCAGACA.1_2	YUPIXEL	B 2
## CCTTCGATCCGCAAGC.1_2	YUPIXEL	CD4T 4
## CCTTTCTGTAATTGGA.1_2	YUPIXEL	NK 4
## CCTTTCTGTCAACATC.1_2	YUPIXEL	CD4T 6
## CGAACATCACAACGCC.1_2	YUPIXEL	Mono 3
## CGAACATCAGGTCTCG.1_2	YUPIXEL	Mono 1
## CGAACATGTTACCGAT.1_2	YUPIXEL	CD4T 6
## CGAACATTGTTACGA.1_2	YUPIXEL	B 3
## CGAACATTCTACCAGA.1_2	YUPIXEL	TNKT 1
## CGAATGTAGCAATCTC.1_2	YUPIXEL	TNKT 1
## CGAATGTCAATAGCGG.1_2	YUPIXEL	B 1
## CGAATGTCATCAGTCA.1_2	YUPIXEL	TNKT 1
## CGAATGTGTCTAGGTT.1_2	YUPIXEL	CD4T 7
## CGAATGTGTGGTCCGT.1_2	YUPIXEL	NK 1
## CGAATGTTGCGCTACG.1_2	YUPIXEL	CD4T 6
## CGACCTTCACTGAAGG.1_2	YUPIXEL	Mono 8
## CGACCTTCAGTGGGAT.1_2	YUPIXEL	NK 3
## CGACCTTGTTTGGCGC.1_2	YUPIXEL	CD4T 6
## CGACCTTTCAAGGTAA.1_2	YUPIXEL	B 1
## CGACCTTTCAGCATGT.1_2	YUPIXEL	Mono 8
## CGACCTTTCAGTGTTG.1_2	YUPIXEL	Mono 5
## CGACCTTTCTCCTATA.1_2	YUPIXEL	NK 1
## CGACTTCAGAGCTTCT.1_2	YUPIXEL	Mono 5
## CGACTTCAGGAGCGAG.1_2	YUPIXEL	CD4T 1

## CGACTTCAGGATGTAT.1_2	YUPIXEL	B 1
## CGACTTCGTCAACTGT.1_2	YUPIXEL	CD4T 3
## CGACTTCGTCTCTTG.1_2	YUPIXEL	CD4T 2
## CGAGAAGAGAGATGAG.1_2	YUPIXEL	TNKT 1
## CGAGAAGCAATCGAAA.1_2	YUPIXEL	Mono 9
## CGAGAAGCATAAGACA.1_2	YUPIXEL	B 3
## CGAGAAGGTAGTAGTA.1_2	YUPIXEL	CD4T 2
## CGAGAAGGTTATGCGT.1_2	YUPIXEL	B 1
## CGAGAAGGTTCCCTTG.1_2	YUPIXEL	Mono 5
## CGAGAAGTCTTGTATC.1_2	YUPIXEL	TNKT 1
## CGAGCACAGGAAGTGC.1_2	YUPIXEL	CD4T 1
## CGAGCACCAAGAAGAG.1_2	YUPIXEL	CD4T 4
## CGAGCACCAAGAACGT.1_2	YUPIXEL	NK 1
## CGAGCACCATCGTCGG.1_2	YUPIXEL	Mono 8
## CGAGCACGTAAGGGCT.1_2	YUPIXEL	B 1
## CGAGCACGTATAAACG.1_2	YUPIXEL	B 3
## CGAGCACGTCCGAATT.1_2	YUPIXEL	NK 2
## CGAGCACTCCCAAGTA.1_2	YUPIXEL	CD4T 3
## CGAGCCACACGTTGGC.1_2	YUPIXEL	CD4T 2
## CGAGCCAGTAGCGTGA.1_2	YUPIXEL	CD4T 3
## CGAGCCAGTCCCGACA.1_2	YUPIXEL	CD4T 6
## CGAGCCATCAGGTAAA.1_2	YUPIXEL	CD4T 2
## CGAGCCATCGTACGGC.1_2	YUPIXEL	B 2
## CGAGCCATCGTCCGTT.1_2	YUPIXEL	B 2
## CGATCGGAGAAAACCGC.1_2	YUPIXEL	B 3
## CGATCGGCAATAGCAA.1_2	YUPIXEL	TNKT 1
## CGATCGGCACGGCTAC.1_2	YUPIXEL	CD4T 1
## CGATCGGCATGAACCT.1_2	YUPIXEL	TNKT 1
## CGATCGGTCAAGGTAA.1_2	YUPIXEL	CD4T 1
## CGATGGCAGACAGAGA.1_2	YUPIXEL	CD4T 1
## CGATGGCAGCTGCGAA.1_2	YUPIXEL	CD4T 1
## CGATGGCCAACCGCCA.1_2	YUPIXEL	B 3
## CGATGGCCAACGCACC.1_2	YUPIXEL	CD4T 3
## CGATGGCCACTCTGTC.1_2	YUPIXEL	Mono 9
## CGATGGCGTCTTCAAG.1_2	YUPIXEL	Mono 9
## CGATGGCGTTTGACTG.1_2	YUPIXEL	CD4T 3
## CGATGGCTCCGCGGTA.1_2	YUPIXEL	CD4T 4
## CGATGGCTCGACCAGC.1_2	YUPIXEL	B 3
## CGATGTAAGATGTTAG.1_2	YUPIXEL	Mono 8
## CGATGTAAGGCAATTA.1_2	YUPIXEL	CD4T 4
## CGATGTACAAAACCCAT.1_2	YUPIXEL	CD4T 4
## CGATGTACAAGGACTG.1_2	YUPIXEL	TNKT 1
## CGATGTAGTCATATCG.1_2	YUPIXEL	Mono 8
## CGATGTAGTGCCTGTG.1_2	YUPIXEL	TNKT 1
## CGATGTATCACGATGT.1_2	YUPIXEL	NK 2
## CGATTGAAGAAGGACA.1_2	YUPIXEL	CD4T 3
## CGATTGAAGCGGCTTC.1_2	YUPIXEL	DC 1
## CGATTGAAGTGGTCCC.1_2	YUPIXEL	CD4T 2
## CGATTGACATGAGCGA.1_2	YUPIXEL	B 1
## CGATTGAGTGCAACTT.1_2	YUPIXEL	CD4T 2
## CGATTGATCAGCGACC.1_2	YUPIXEL	NK 4
## CGATTGATCAGTTCGA.1_2	YUPIXEL	B 1
## CGATTGATCTCGGACG.1_2	YUPIXEL	CD4T 3
## CGCCAAGAGTGCTGCC.1_2	YUPIXEL	CD4T 3

## CGCCAAGCAATAGCAA.1_2	YUPIXEL	CD8T 1
## CGCCAAGCATAGACTC.1_2	YUPIXEL	Mono 8
## CGCCAAGGTAATAGCA.1_2	YUPIXEL	B 1
## CGCCAAGGTCGCATAT.1_2	YUPIXEL	B 1
## CGCGGTACTCTCAGGC.1_2	YUPIXEL	NK 1
## CGCGGTAGTCAGAGGT.1_2	YUPIXEL	B 1
## CGCGGTAGTTCTGAAC.1_2	YUPIXEL	B 2
## CGCGGTATCTCACATT.1_2	YUPIXEL	CD4T 7
## CGCGTTTATAGATCCTGT.1_2	YUPIXEL	CD8T 1
## CGCGTTTATAGGAGTAGA.1_2	YUPIXEL	B 3
## CGCGTTTATAGGTGTTG.1_2	YUPIXEL	Mono 8
## CGCGTTTATAGTACGTAA.1_2	YUPIXEL	B 1
## CGCGTTTCATCACGAT.1_2	YUPIXEL	Mono 4
## CGCGTTTGTAACGTTC.1_2	YUPIXEL	B 1
## CGCGTTTTCCCTTGTTG.1_2	YUPIXEL	B 2
## CGCTATCAGAGGTAGA.1_2	YUPIXEL	Mono 8
## CGCTATCAGAGTACAT.1_2	YUPIXEL	CD4T 7
## CGCTATCAGCGATGAC.1_2	YUPIXEL	Mono 8
## CGCTATCCAGTTCCT.1_2	YUPIXEL	TNKT 1
## CGCTATCCATGCATGT.1_2	YUPIXEL	CD4T 5
## CGCTATCGTATATGGA.1_2	YUPIXEL	B 2
## CGCTATCGTGATGTCT.1_2	YUPIXEL	B 1
## CGCTATCTCATAGCAC.1_2	YUPIXEL	CD4T 4
## CGCTGGAAGCCCAACC.1_2	YUPIXEL	CD4T 2
## CGCTGGAAGCTCCTTC.1_2	YUPIXEL	CD4T 1
## CGCTGGAAGGGTCGAT.1_2	YUPIXEL	B 1
## CGCTGGACACTTGGAT.1_2	YUPIXEL	Mono 8
## CGCTGGAGTCACTGGC.1_2	YUPIXEL	CD4T 6
## CGCTGGAGTGGGATAG.1_2	YUPIXEL	B 1
## CGCTGGAGTGGTGTAG.1_2	YUPIXEL	Mono 3
## CGCTGGAGTGTCAATC.1_2	YUPIXEL	CD4T 6
## CGCTGGAGTTACTGAC.1_2	YUPIXEL	TNKT 1
## CGCTGGATCACGAAGG.1_2	YUPIXEL	CD4T 6
## CGCTGGATCATCACCC.1_2	YUPIXEL	CD4T 6
## CGCTGGATCCTCTAGC.1_2	YUPIXEL	Mono 9
## CGCTTCAGTAAGTTCC.1_2	YUPIXEL	CD4T 1
## CGCTTCAGTACACCGC.1_2	YUPIXEL	NK 2
## CGCTTCAGTAGAGTGC.1_2	YUPIXEL	CD4T 4
## CGCTTCAGTATTAGCC.1_2	YUPIXEL	Mono 5
## CGCTTCATCTGCAAGT.1_2	YUPIXEL	CD4T 5
## CGGACACAGTCAATAG.1_2	YUPIXEL	CD4T 3
## CGGACACCAAGTAGTA.1_2	YUPIXEL	CD4T 2
## CGGACACGTGTAACGG.1_2	YUPIXEL	Mono 5
## CGGACACGTGTGACGA.1_2	YUPIXEL	CD8T 3
## CGGACACTCACCTCGT.1_2	YUPIXEL	CD4T 5
## CGGACACTCTGCTGCT.1_2	YUPIXEL	CD8T 1
## CGGACGTAGCCATCGC.1_2	YUPIXEL	CD4T 1
## CGGACGTACAGCCCA.1_2	YUPIXEL	CD4T 6
## CGGACGTGAGGGTATG.1_2	YUPIXEL	B 4
## CGGACGTGTACTTGAC.1_2	YUPIXEL	CD4T 3
## CGGACTGAGAAACCTA.1_2	YUPIXEL	Mono 8
## CGGACTGAGGGATACC.1_2	YUPIXEL	Mono 2
## CGGACTGCAGATTGCT.1_2	YUPIXEL	Mono 7
## CGGACTGCAGCCTATA.1_2	YUPIXEL	NK 1

## CGGACTGCATGCAACT.1_2	YUPIXEL	TNKT 1
## CGGACTGGTCACACGC.1_2	YUPIXEL	CD4T 1
## CGGACTGTCAACCATG.1_2	YUPIXEL	Mono 9
## CGGACTGTCTCGAGGTA.1_2	YUPIXEL	CD4T 2
## CGGACTGTCTTCATGT.1_2	YUPIXEL	Mono 4
## CGGAGCTCACTCAGGC.1_2	YUPIXEL	B 2
## CGGAGCTCAGGCGATA.1_2	YUPIXEL	CD4T 3
## CGGAGCTGTGTGACGA.1_2	YUPIXEL	Mono 5
## CGGAGCTGTTGACGTT.1_2	YUPIXEL	CD4T 5
## CGGAGCTTCTCTGCTG.1_2	YUPIXEL	Mono 8
## CGGAGTCCACTTACGA.1_2	YUPIXEL	Mono 8
## CGGAGTCCATCACGTA.1_2	YUPIXEL	Mono 5
## CGGAGTCGTAAGGATT.1_2	YUPIXEL	B 2
## CGGAGTCGTAAGGATT.1_2	YUPIXEL	CD4T 2
## CGGAGTCGTGATGATA.1_2	YUPIXEL	Mono 1
## CGGAGTCGTTGTCGCG.1_2	YUPIXEL	Mono 5
## CGGAGTCTCATCGGAT.1_2	YUPIXEL	Mono 2
## CGGAGTCTCCTTGCTC.1_2	YUPIXEL	NK 2
## CGGAGTCTCTATCCTA.1_2	YUPIXEL	CD4T 4
## CGGAGTCTCTGAAAGA.1_2	YUPIXEL	CD4T 3
## CGGCTAGAGACGACGT.1_2	YUPIXEL	CD4T 1
## CGGCTAGCAGGGTTAG.1_2	YUPIXEL	CD4T 1
## CGGCTAGGTCGACTGC.1_2	YUPIXEL	CD4T 6
## CGGCTAGTCCCACTTG.1_2	YUPIXEL	CD4T 4
## CGGCTAGTCGAACGGA.1_2	YUPIXEL	CD4T 3
## CGGCTAGTCGAAACG.1_2	YUPIXEL	CD4T 6
## CGGGTCAAGGCGATAC.1_2	YUPIXEL	B 3
## CGGGTCAAGGTGATAT.1_2	YUPIXEL	B 1
## CGGGTCACAGCCTGTG.1_2	YUPIXEL	CD4T 1
## CGGGTCACATGGTTGT.1_2	YUPIXEL	CD4T 4
## CGGGTCAGTAAGAGGA.1_2	YUPIXEL	CD4T 1
## CGGGTCAGTCCGTTAA.1_2	YUPIXEL	TNKT 1
## CGGGTCATCACGATGT.1_2	YUPIXEL	TNKT 1
## CGGGTCATCATCTGTT.1_2	YUPIXEL	CD4T 3
## CGGGTCATCCATGCTC.1_2	YUPIXEL	B 1
## CGGGTCATCCTAAGTG.1_2	YUPIXEL	B 2
## CGGTAAAGATGCCTT.1_2	YUPIXEL	CD4T 3
## CGGTAAACAACGATGG.1_2	YUPIXEL	B 2
## CGGTAAAGTAGCGTCC.1_2	YUPIXEL	CD4T 1
## CGGTAAAGTGCATCTA.1_2	YUPIXEL	Mono 9
## CGGTAAAGTCCATGA.1_2	YUPIXEL	CD4T 5
## CGGTAAATCACATACG.1_2	YUPIXEL	CD4T 1
## CGGTAAATCGAATGCT.1_2	YUPIXEL	CD4T 4
## CGGTAAATCGCAGGCT.1_2	YUPIXEL	B 4
## CGTAGCGAGATCTGAA.1_2	YUPIXEL	B 1
## CGTAGCGAGCAGGCTA.1_2	YUPIXEL	CD4T 1
## CGTAGCGAGCCTCGTG.1_2	YUPIXEL	CD4T 3
## CGTAGCGAGTCGAGTG.1_2	YUPIXEL	CD4T 1
## CGTAGCGCACTCAGGC.1_2	YUPIXEL	TNKT 1
## CGTAGCGGTCTCTTTA.1_2	YUPIXEL	CD4T 5
## CGTAGCGTCAACCATG.1_2	YUPIXEL	CD4T 1
## CGTAGCGTCTGCAAGT.1_2	YUPIXEL	Mono 5
## CGTAGGCCAAGTACCT.1_2	YUPIXEL	NK 1
## CGTAGGCCACATGGGA.1_2	YUPIXEL	B 2

## CGTAGGCCAGACGCTC.1_2	YUPIXEL	TNKT 1
## CGTAGGCGTAGCGTAG.1_2	YUPIXEL	CD4T 7
## CGTAGGCGTGGACGAT.1_2	YUPIXEL	CD4T 2
## CGTCACTAGGGTTCCC.1_2	YUPIXEL	CD8T 1
## CGTCACTAGTGACTCT.1_2	YUPIXEL	CD8T 2
## CGTCACTCAATCCGAT.1_2	YUPIXEL	B 2
## CGTCACTCACTTAACG.1_2	YUPIXEL	CD4T 2
## CGTCACTTCGTTTGCC.1_2	YUPIXEL	CD4T 1
## CGTCACTTCTCGGACG.1_2	YUPIXEL	CD4T 6
## CGTCACTTCTGATTCT.1_2	YUPIXEL	CD8T 1
## CGTCAGGGTCCGAATT.1_2	YUPIXEL	CD8T 1
## CGTCAGGGTGCGATAG.1_2	YUPIXEL	Mono 8
## CGTCAGGTCTGCTGTC.1_2	YUPIXEL	NK 2
## CGTCAGGTCTGTTTGT.1_2	YUPIXEL	CD4T 6
## CGTCCATCAAAGAATC.1_2	YUPIXEL	B 4
## CGTCCATCAATGTTGC.1_2	YUPIXEL	NK 1
## CGTCCATCAGCTCCGA.1_2	YUPIXEL	CD4T 6
## CGTCCATCATTACGAC.1_2	YUPIXEL	NK 1
## CGTCCATGTCCGAGTC.1_2	YUPIXEL	B 1
## CGTCCATGTTGTCGCG.1_2	YUPIXEL	Mono 5
## CGTCCATTACAGTAC.1_2	YUPIXEL	TNKT 1
## CGTCCATTCTGGTTCC.1_2	YUPIXEL	CD4T 4
## CGTCTACAGAAGGACA.1_2	YUPIXEL	B 6
## CGTCTACAGAGCTGCA.1_2	YUPIXEL	CD4T 7
## CGTCTACAGGTACTCT.1_2	YUPIXEL	CD4T 1
## CGTCTACGTCACCTAA.1_2	YUPIXEL	CD4T 2
## CGTCTACTCAATAAGG.1_2	YUPIXEL	B 2
## CGTCTACTCTAACTCT.1_2	YUPIXEL	TNKT 1
## CGTCTACTCTCTTGAT.1_2	YUPIXEL	B 2
## CGTGAGCAGATCCCAT.1_2	YUPIXEL	CD4T 1
## CGTGAGCCAAGCGATG.1_2	YUPIXEL	CD4T 2
## CGTGAGCCAGTCGTGC.1_2	YUPIXEL	Mono 1
## CGTGAGCCATTATCTC.1_2	YUPIXEL	Mono 8
## CGTGAGCGTACTCGCG.1_2	YUPIXEL	CD4T 5
## CGTGAGCGTAGCGATG.1_2	YUPIXEL	CD4T 2
## CGTGAGCTCCATGCTC.1_2	YUPIXEL	CD4T 2
## CGTGAGCTCTCTGTCTG.1_2	YUPIXEL	CD4T 1
## CGTGAGCTCTGTTTGT.1_2	YUPIXEL	CD4T 3
## CGTGTAAGACGACGT.1_2	YUPIXEL	CD4T 5
## CGTGTAAGACTACAA.1_2	YUPIXEL	B 3
## CGTGTAAGCCCAACC.1_2	YUPIXEL	CD4T 1
## CGTGTAACACACAGAG.1_2	YUPIXEL	CD4T 3
## CGTGTAAGTATTACCG.1_2	YUPIXEL	B 6
## CGTGTAAGTCATATCG.1_2	YUPIXEL	B 2
## CGTGTAAGTCTGGTCG.1_2	YUPIXEL	CD4T 7
## CGTGTCTAGGAATCGC.1_2	YUPIXEL	CD4T 2
## CGTGTCTAGTTGTAGA.1_2	YUPIXEL	Mono 8
## CGTGTCTCAGACAGGT.1_2	YUPIXEL	Mono 4
## CGTGTCTGTAGAAGGA.1_2	YUPIXEL	TNKT 1
## CGTGTCTGTCTTCTCG.1_2	YUPIXEL	Mono 5
## CGTGTCTGTTAAGAAC.1_2	YUPIXEL	CD4T 1
## CGTTAGAAGCGATATA.1_2	YUPIXEL	NK 4
## CGTTAGAAGGCTAGGT.1_2	YUPIXEL	B 2
## CGTTAGACACCTATCC.1_2	YUPIXEL	Mono 4

## CGTTAGAGTACACCGC.1_2	YUPIXEL	TNKT 1
## CGTTAGAGTATAGGTA.1_2	YUPIXEL	CD4T 1
## CGTTCTGAGATGCCTT.1_2	YUPIXEL	CD8T 2
## CGTTCTGAGTCTTGCA.1_2	YUPIXEL	CD4T 6
## CGTTCTGTCCGTAGGC.1_2	YUPIXEL	CD8T 3
## CGTTGGGAGTACGTAA.1_2	YUPIXEL	Mono 7
## CGTTGGGCAGATTGCT.1_2	YUPIXEL	CD4T 3
## CGTTGGGCATTTCACT.1_2	YUPIXEL	NK 2
## CGTTGGGGTAATAGCA.1_2	YUPIXEL	Mono 5
## CGTTGGGTCATAAAGG.1_2	YUPIXEL	NK 3
## CGTTGGGTCATGCATG.1_2	YUPIXEL	Mono 4
## CGTTGGGTCTCGCTTG.1_2	YUPIXEL	B 1
## CTAACCTAGAAGCCCA.1_2	YUPIXEL	B 1
## CTAACCTAGGACCACA.1_2	YUPIXEL	Mono 1
## CTAACCTCAATCTACG.1_2	YUPIXEL	NK 3
## CTAACCTCACCATCCT.1_2	YUPIXEL	CD4T 6
## CTAACCTCAGCTATTG.1_2	YUPIXEL	Mono 5
## CTAACCTCAGTCAGCC.1_2	YUPIXEL	NK 3
## CTAACCTCATCCCACT.1_2	YUPIXEL	Mono 6
## CTAACCTTCCCAAGAT.1_2	YUPIXEL	B 1
## CTAACCTTTCGGAATA.1_2	YUPIXEL	Mono 8
## CTAAGACAGAAGCCCA.1_2	YUPIXEL	NK 2
## CTAAGACAGAGCTTCT.1_2	YUPIXEL	CD4T 4
## CTAAGACAGATATACG.1_2	YUPIXEL	CD4T 3
## CTAAGACCAAGAGTCG.1_2	YUPIXEL	CD4T 1
## CTAAGACCAATAAGCA.1_2	YUPIXEL	Mono 4
## CTAAGACCAACCCAGTG.1_2	YUPIXEL	CD4T 2
## CTAAGACGTATGAATG.1_2	YUPIXEL	Mono 4
## CTAAGACGTGCACTTA.1_2	YUPIXEL	B 1
## CTAAGACTCTTCGAGA.1_2	YUPIXEL	Mono 8
## CTAATGGAGCGCCTCA.1_2	YUPIXEL	CD4T 3
## CTAATGGAGCTGTCTA.1_2	YUPIXEL	Mono 8
## CTAATGGAGTCATGCT.1_2	YUPIXEL	Mono 8
## CTAATGGCAAGTAGTA.1_2	YUPIXEL	B 1
## CTAATGGCACCCAGTG.1_2	YUPIXEL	B 1
## CTAATGGCACGAGAGT.1_2	YUPIXEL	Mono 5
## CTAATGGCAGGACCCT.1_2	YUPIXEL	NK 1
## CTAATGGGTGTGAATA.1_2	YUPIXEL	Mono 4
## CTAATGGGTGCTCT.1_2	YUPIXEL	CD4T 2
## CTAATGGGTTTGACAC.1_2	YUPIXEL	TNKT 1
## CTAATGGTCCAAGCCG.1_2	YUPIXEL	NK 1
## CTAATGGTCCTTGCCA.1_2	YUPIXEL	CD4T 4
## CTAATGGTCTGCTTGC.1_2	YUPIXEL	CD4T 6
## CTACACCAGAAGCCCA.1_2	YUPIXEL	Mono 5
## CTACACCTCTTGAGAC.1_2	YUPIXEL	Mono 5
## CTACATTAGACGCAAC.1_2	YUPIXEL	Mono 8
## CTACATTCAACCGCCA.1_2	YUPIXEL	B 2
## CTACATTGTTTAGGAA.1_2	YUPIXEL	B 3
## CTACCCAAGAGGTACC.1_2	YUPIXEL	B 1
## CTACCCAAGATGTTAG.1_2	YUPIXEL	CD4T 6
## CTACCCATCCTATGTT.1_2	YUPIXEL	NK 3
## CTACGTCCAACGATGG.1_2	YUPIXEL	CD4T 6
## CTACGTCCAGTCCTTC.1_2	YUPIXEL	CD4T 7
## CTACGTCTGTGAGGCTA.1_2	YUPIXEL	CD4T 2

## CTACGTCGTTCCACAA.1_2	YUPIXEL	CD8T 2
## CTACGTCTCTCAACTT.1_2	YUPIXEL	B 3
## CTAGAGTCAAGACACG.1_2	YUPIXEL	Mono 7
## CTAGAGTTCGGCTTGG.1_2	YUPIXEL	Mono 8
## CTAGAGTTCTTATCTG.1_2	YUPIXEL	Mono 2
## CTAGCCTAGCGAAGGG.1_2	YUPIXEL	B 2
## CTAGCCTCAATGAAAC.1_2	YUPIXEL	CD4T 6
## CTAGCCTCACGAAGCA.1_2	YUPIXEL	Mono 9
## CTAGCCTCAGGGATTG.1_2	YUPIXEL	CD4T 2
## CTAGCCTCAGTATAAG.1_2	YUPIXEL	CD4T 3
## CTAGTGACACAAGTAA.1_2	YUPIXEL	Mono 7
## CTAGTGACATGCAATC.1_2	YUPIXEL	CD4T 2
## CTAGTGAGTACGCACC.1_2	YUPIXEL	B 2
## CTAGTGAGTTATCGGT.1_2	YUPIXEL	CD4T 5
## CTAGTGATCAACTCTT.1_2	YUPIXEL	CD4T 5
## CTCACACAGAGCTGGT.1_2	YUPIXEL	CD8T 1
## CTCACACCAAAGGTGC.1_2	YUPIXEL	CD4T 6
## CTCACACCACAGCGTC.1_2	YUPIXEL	CD8T 2
## CTCACACCACGTAAGG.1_2	YUPIXEL	Mono 7
## CTCACACCACGTCTCT.1_2	YUPIXEL	CD4T 6
## CTCACACGTACACCGC.1_2	YUPIXEL	Mono 8
## CTCACACGTGATGCCC.1_2	YUPIXEL	B 1
## CTCACACTCACTTCAT.1_2	YUPIXEL	TNKT 1
## CTCACACTCGACCAGC.1_2	YUPIXEL	CD4T 1
## CTCACACTCTAACGGT.1_2	YUPIXEL	CD4T 3
## CTCAGAACAAACTGCT.1_2	YUPIXEL	CD4T 6
## CTCAGAAGTACAGTTC.1_2	YUPIXEL	B 3
## CTCAGAAGTATGCTTG.1_2	YUPIXEL	TNKT 1
## CTCAGAAGTCTCCATC.1_2	YUPIXEL	CD4T 4
## CTCAGAAGTGGGTCAA.1_2	YUPIXEL	Mono 5
## CTCAGAAGTGTAACGG.1_2	YUPIXEL	CD4T 5
## CTCAGAATCGTACCGG.1_2	YUPIXEL	CD4T 1
## CTCATTACACGTCTCT.1_2	YUPIXEL	CD4T 3
## CTCATTACAGTCAGCC.1_2	YUPIXEL	CD4T 7
## CTCATTAGTACCGTAT.1_2	YUPIXEL	B 3
## CTCATTATCGTTTGCC.1_2	YUPIXEL	CD4T 1
## CTCCTAGAGACAGGCT.1_2	YUPIXEL	B 3
## CTCCTAGCAAGACACG.1_2	YUPIXEL	Mono 8
## CTCCTAGCATTGCGGC.1_2	YUPIXEL	B 3
## CTCCTAGGTTCTCATT.1_2	YUPIXEL	CD4T 5
## CTCCTAGTCCAGATCA.1_2	YUPIXEL	B 1
## CTCGAAAAGTAGCGGT.1_2	YUPIXEL	CD4T 1
## CTCGAAATCAATAAGG.1_2	YUPIXEL	Mono 4
## CTCGAAATCACTGGGC.1_2	YUPIXEL	CD8T 2
## CTCGAAATCCACGAAT.1_2	YUPIXEL	Mono 8
## CTCGAGGAGCACCGTC.1_2	YUPIXEL	Mono 5
## CTCGAGGAGCCCAATT.1_2	YUPIXEL	B 3
## CTCGAGGAGGGCTTGA.1_2	YUPIXEL	TNKT 2
## CTCGAGGGTAAAGGAG.1_2	YUPIXEL	B 3
## CTCGAGGGTATATGGA.1_2	YUPIXEL	B 3
## CTCGAGGGTTGCGTTA.1_2	YUPIXEL	NK 4
## CTCGAGGTGCGAAACT.1_2	YUPIXEL	CD4T 1
## CTCGAGGTCTGTGCAA.1_2	YUPIXEL	B 1
## CTCGAGAGGCGGTACA.1_2	YUPIXEL	CD4T 1

## CTCGGAGCACAAACGTT.1_2	YUPIXEL	CD4T 2
## CTCGGAGGTAAGTGGC.1_2	YUPIXEL	Mono 4
## CTCGGAGGTGATGTGG.1_2	YUPIXEL	CD4T 1
## CTCGGAGTCATCGCTC.1_2	YUPIXEL	CD4T 6
## CTCGGAGTCGCATGGC.1_2	YUPIXEL	Mono 9
## CTCGGAGTCTTATCTG.1_2	YUPIXEL	CD4T 1
## CTCGGGAAGTGATCGG.1_2	YUPIXEL	Mono 5
## CTCGGGACAGGCAGTA.1_2	YUPIXEL	CD4T 6
## CTCGGGAGTCTGCGGT.1_2	YUPIXEL	NK 1
## CTCGGGATCATCGCTC.1_2	YUPIXEL	Mono 1
## CTCGTACAGATATACG.1_2	YUPIXEL	B 1
## CTCGTACAGCACCGCT.1_2	YUPIXEL	Mono 5
## CTCGTACAGTGTGAAT.1_2	YUPIXEL	B 1
## CTCGTACCACGGTTTA.1_2	YUPIXEL	B 3
## CTCGTACGTCAACTGT.1_2	YUPIXEL	B 1
## CTCGTACGT CATATGC.1_2	YUPIXEL	Mono 6
## CTCGTACTCTCTGCTG.1_2	YUPIXEL	Mono 1
## CTCGTCAAGAGGACGG.1_2	YUPIXEL	Mono 8
## CTCGTCAAGATGTAAC.1_2	YUPIXEL	CD4T 1
## CTCGT CACACGCTTTC.1_2	YUPIXEL	CD8T 1
## CTCGT CAGTGATGTCT.1_2	YUPIXEL	CD4T 3
## CTCGT CATCTATGTGG.1_2	YUPIXEL	CD8T 3
## CTCGT CATCTTAGCCC.1_2	YUPIXEL	NK 3
## CTCTAATAGGTGATAT.1_2	YUPIXEL	Mono 8
## CTCTAATCAACTGCGC.1_2	YUPIXEL	CD4T 1
## CTCTAATGTAGGGACT.1_2	YUPIXEL	NK 1
## CTCTAATGTTCCCGAG.1_2	YUPIXEL	CD4T 1
## CTCTAATTCCTCCTAG.1_2	YUPIXEL	Mono 4
## CTCTACGAGACAAAGG.1_2	YUPIXEL	TNKT 1
## CTCTACGAGAGGGATA.1_2	YUPIXEL	TNKT 1
## CTCTACGCAAACGTGG.1_2	YUPIXEL	B 1
## CTCTACGCATATGGTC.1_2	YUPIXEL	TNKT 1
## CTCTACGTCATCACCC.1_2	YUPIXEL	TNKT 1
## CTCTACGTCTGGTGTA.1_2	YUPIXEL	CD4T 4
## CTCTGGTAGGAGCGAG.1_2	YUPIXEL	B 2
## CTCTGGTAGTGTAAT.1_2	YUPIXEL	NK 1
## CTCTGGTCAATGGACG.1_2	YUPIXEL	B 3
## CTCTGGTCAGCTCGCA.1_2	YUPIXEL	NK 2
## CTCTGGTGTAAGGGCT.1_2	YUPIXEL	Mono 5
## CTCTGGTGTCATCCT.1_2	YUPIXEL	CD4T 3
## CTCTGGTGTCGAC.1_2	YUPIXEL	TNKT 1
## CTCTGGTTCCACTCCA.1_2	YUPIXEL	CD4T 2
## CTCTGGTTCCCACTTG.1_2	YUPIXEL	B 1
## CTCTGGTTCCGTTGTC.1_2	YUPIXEL	B 1
## CTCTGGTTCCTCATTA.1_2	YUPIXEL	NK 1
## CTCTGGTTCTCTTATG.1_2	YUPIXEL	CD4T 3
## CTGAAACAGAAGGTTT.1_2	YUPIXEL	TNKT 1
## CTGAAACAGATATGGT.1_2	YUPIXEL	CD4T 7
## CTGAAACAGTGATCGG.1_2	YUPIXEL	TNKT 1
## CTGAAACCAAGAAAGG.1_2	YUPIXEL	Mono 9
## CTGAAACCAAGTCTAC.1_2	YUPIXEL	Mono 5
## CTGAAACCATGCTAGT.1_2	YUPIXEL	CD4T 1
## CTGAAACTCAACGGCC.1_2	YUPIXEL	CD4T 1
## CTGAAGTAGTTGTCGT.1_2	YUPIXEL	B 3

## CTGAAGTCAAGTAATG.1_2	YUPIXEL	CD4T 4
## CTGAAGTCACCTTGTC.1_2	YUPIXEL	B 1
## CTGAAGTCATCCTAGA.1_2	YUPIXEL	CD8T 1
## CTGAAGTGACATGTC.1_2	YUPIXEL	Mono 5
## CTGAAGGTACGCACC.1_2	YUPIXEL	B 2
## CTGAAGTGATTACCG.1_2	YUPIXEL	CD4T 1
## CTGAAGTGATTAGCC.1_2	YUPIXEL	Mono 2
## CTGAAGTTCAGTGCAT.1_2	YUPIXEL	Mono 6
## CTGAAGTTCGTACGGC.1_2	YUPIXEL	Mono 2
## CTGAAGTTCGTTACAG.1_2	YUPIXEL	Mono 4
## CTGAAGTTCTGTGCAA.1_2	YUPIXEL	Mono 8
## CTGATAGAGCAATCTC.1_2	YUPIXEL	B 2
## CTGATAGAGCGTGAAC.1_2	YUPIXEL	B 1
## CTGATAGAGGATCGCA.1_2	YUPIXEL	B 1
## CTGATAGAGGCCCTCA.1_2	YUPIXEL	NK 4
## CTGATAGCAATCGGTT.1_2	YUPIXEL	B 1
## CTGATAGGTAGGGTAC.1_2	YUPIXEL	B 3
## CTGATAGGTGTTAAGA.1_2	YUPIXEL	B 3
## CTGATAGGTTATCGGT.1_2	YUPIXEL	TNKT 1
## CTGATAGTCAACACGT.1_2	YUPIXEL	B 1
## CTGATCCAGTACGATA.1_2	YUPIXEL	Mono 9
## CTGATCCCAGCTCGCA.1_2	YUPIXEL	NK 2
## CTGATCCGTCTACCTC.1_2	YUPIXEL	CD4T 2
## CTGATCCGTGAAAGAG.1_2	YUPIXEL	Mono 8
## CTGCCTAAGTGGGTTG.1_2	YUPIXEL	TNKT 1
## CTGCCTACAGTCACTA.1_2	YUPIXEL	B 1
## CTGCCTAGTGCCTGGT.1_2	YUPIXEL	CD4T 6
## CTGCCTAGTTCTGTTT.1_2	YUPIXEL	B 1
## CTGCCTATCACATAGC.1_2	YUPIXEL	CD4T 4
## CTGCCTATCTTGTTTG.1_2	YUPIXEL	CD4T 2
## CTGCGGATCGAATGCT.1_2	YUPIXEL	CD4T 4
## CTGCGGATCTCAAACG.1_2	YUPIXEL	NK 4
## CTGCTGTAGTACGCGA.1_2	YUPIXEL	CD4T 6
## CTGCTGTAGTCCATAC.1_2	YUPIXEL	CD4T 1
## CTGCTGTCAACAGGTC.1_2	YUPIXEL	CD4T 7
## CTGCTGTGTGTCCTG.1_2	YUPIXEL	B 1
## CTGCTGTGTTACGACT.1_2	YUPIXEL	B 1
## CTGCTGTGTTGGTAAA.1_2	YUPIXEL	CD8T 3
## CTGCTGTTCTGCTTGC.1_2	YUPIXEL	CD4T 6
## CTGGTCTAGACATAAC.1_2	YUPIXEL	NK 2
## CTGGTCTAGTTTCCTT.1_2	YUPIXEL	CD4T 2
## CTGGTCTCAGACGCCT.1_2	YUPIXEL	CD4T 1
## CTGGTCTCATCGGAAG.1_2	YUPIXEL	CD4T 5
## CTGGTCTGTGAACCTT.1_2	YUPIXEL	NK 2
## CTGGTCTTCACAACGT.1_2	YUPIXEL	CD4T 4
## CTGTGCTAGATGGCGT.1_2	YUPIXEL	B 2
## CTGTGCTCAGTGGAGT.1_2	YUPIXEL	Mono 9
## CTGTTTAAGACGCACA.1_2	YUPIXEL	CD4T 1
## CTGTTTAAGCCACTAT.1_2	YUPIXEL	NK 4
## CTGTTTAAGTAGTGG.1_2	YUPIXEL	CD4T 3
## CTGTTTACAATGAAAC.1_2	YUPIXEL	Mono 7
## CTGTTTAGTTCCTCCA.1_2	YUPIXEL	B 3
## CTGTTTATCCTGCCAT.1_2	YUPIXEL	CD4T 7
## CTTAACTAGTGGCACA.1_2	YUPIXEL	Mono 8

## CTTAACTCAGACAAGC.1_2	YUPIXEL	B 2
## CTTAACTGTCTCCATC.1_2	YUPIXEL	CD4T 1
## CTTAACTGTTCTGTTT.1_2	YUPIXEL	NK 1
## CTTAACTTCAGTTAGC.1_2	YUPIXEL	CD4T 6
## CTTAACTTCCAAAGTC.1_2	YUPIXEL	B 1
## CTTAACTTCGAACGGA.1_2	YUPIXEL	NK 1
## CTTAACTTCTTCGAGA.1_2	YUPIXEL	CD4T 3
## CTTACCGAGATCACGG.1_2	YUPIXEL	Mono 1
## CTTACCGAGGTGCAAC.1_2	YUPIXEL	CD4T 4
## CTTACCGCAACACCCG.1_2	YUPIXEL	CD8T 2
## CTTACCGCATTCTTAC.1_2	YUPIXEL	CD4T 3
## CTTACCGGTAGCAAAT.1_2	YUPIXEL	B 1
## CTTACCGGTGTGGTTT.1_2	YUPIXEL	CD4T 1
## CTTACCGGTGATTTCG.1_2	YUPIXEL	CD4T 3
## CTTACCGTCAGTGCAT.1_2	YUPIXEL	CD4T 2
## CTTACCGTCATGTCCC.1_2	YUPIXEL	CD4T 7
## CTTACCGTCCGAAGAG.1_2	YUPIXEL	CD4T 4
## CTTAGGACAATAAGCA.1_2	YUPIXEL	B 1
## CTTAGGACACACATGT.1_2	YUPIXEL	CD4T 5
## CTTAGGACACCACGTG.1_2	YUPIXEL	CD4T 3
## CTTAGGACAGGCTCAC.1_2	YUPIXEL	CD4T 6
## CTTAGGAGTAGCGTCC.1_2	YUPIXEL	CD4T 1
## CTTAGGAGTCTCACCT.1_2	YUPIXEL	B 1
## CTTAGGAGTGCCTGCA.1_2	YUPIXEL	CD4T 1
## CTTAGGATCATGCATG.1_2	YUPIXEL	TNKT 1
## CTTCTCTAGTTTAGGA.1_2	YUPIXEL	B 2
## CTTCTCTCACATCCGG.1_2	YUPIXEL	Mono 9
## CTTCTCTCACTTGGAT.1_2	YUPIXEL	CD8T 1
## CTTCTCTCAGTAACGG.1_2	YUPIXEL	B 1
## CTTCTCTGTACTCTCC.1_2	YUPIXEL	Mono 2
## CTTCTCTGTGAAATCA.1_2	YUPIXEL	NK 3
## CTTCTCTTCGGTCTAA.1_2	YUPIXEL	B 3
## CTTGGCTAGTGCCAGA.1_2	YUPIXEL	Mono 9
## CTTGGCTCAAACCTGCT.1_2	YUPIXEL	CD4T 2
## CTTGGCTCACATAACC.1_2	YUPIXEL	NK 1
## CTTGGCTCATATGGTC.1_2	YUPIXEL	CD4T 3
## CTTGGCTGTAACGTTC.1_2	YUPIXEL	NK 2
## CTTGGCTTCTAACCGA.1_2	YUPIXEL	Mono 5
## CTTTGCGAGAAGATTC.1_2	YUPIXEL	TNKT 1
## CTTTGCGAGCACAGGT.1_2	YUPIXEL	CD4T 1
## CTTTGCGAGGCGATAC.1_2	YUPIXEL	CD4T 5
## CTTTGCGCAAGCTGGA.1_2	YUPIXEL	CD4T 4
## CTTTGCGCATGACATC.1_2	YUPIXEL	B 5
## CTTTGCGCATGACGGA.1_2	YUPIXEL	CD4T 6
## CTTTGCGGTGCCTGTG.1_2	YUPIXEL	B 1
## CTTTGCGGTGTTGGGA.1_2	YUPIXEL	CD4T 3
## GAAACTCAGACTAGGC.1_2	YUPIXEL	CD4T 3
## GAAACTCAGCTTATCG.1_2	YUPIXEL	B 1
## GAAACTCCATCACCT.1_2	YUPIXEL	NK 1
## GAAACTCGTACAGACG.1_2	YUPIXEL	CD4T 1
## GAAACTCGTCGATTGT.1_2	YUPIXEL	B 2
## GAAACTCGTTTGGCGC.1_2	YUPIXEL	CD4T 4
## GAAACTCTCATCGATG.1_2	YUPIXEL	Mono 5
## GAAATGAAGAGCAATT.1_2	YUPIXEL	Mono 8

## GAAATGAAGGGTGTGT.1_2	YUPIXEL	CD4T 7
## GAAATGAAGTCAATAG.1_2	YUPIXEL	Mono 1
## GAAATGACAAAGGAAG.1_2	YUPIXEL	TNKT 1
## GAAATGAGTAAGTAGT.1_2	YUPIXEL	B 1
## GAAATGAGTTGAGGTG.1_2	YUPIXEL	NK 1
## GAAATGAGTTGCTCCT.1_2	YUPIXEL	Mono 8
## GAAATGATCGGCCGAT.1_2	YUPIXEL	CD4T 1
## GAAATGATCTGTGCAA.1_2	YUPIXEL	CD4T 2
## GAACATCCAAACGTGG.1_2	YUPIXEL	CD8T 3
## GAACATCGTCACTGGC.1_2	YUPIXEL	CD4T 4
## GAACATCGTCTCTCGT.1_2	YUPIXEL	CD4T 3
## GAACATCGTTCACCTC.1_2	YUPIXEL	TNKT 1
## GAACCTAAGCACCGTC.1_2	YUPIXEL	Mono 4
## GAACCTAAGTTAACGA.1_2	YUPIXEL	B 1
## GAACCTACACTTACGA.1_2	YUPIXEL	B 1
## GAACCTAGTCCGAATT.1_2	YUPIXEL	B 1
## GAACCTATCACATACG.1_2	YUPIXEL	Mono 9
## GAACCTATCCTTGGTC.1_2	YUPIXEL	CD4T 6
## GAACCTATCTCTGCTG.1_2	YUPIXEL	CD8T 1
## GAACGGACACCTCGGA.1_2	YUPIXEL	B 1
## GAACGGACACGCGAAA.1_2	YUPIXEL	CD4T 1
## GAACGGACACTTAAGC.1_2	YUPIXEL	CD4T 2
## GAACGGACATCACGAT.1_2	YUPIXEL	CD4T 3
## GAACGGAGTGATGATA.1_2	YUPIXEL	CD4T 3
## GAAGCAGAGTAAGTAC.1_2	YUPIXEL	NK 3
## GAAGCAGCATCGGTTA.1_2	YUPIXEL	CD4T 1
## GAAGCAGGTCTCTCGT.1_2	YUPIXEL	TNKT 1
## GAAGCAGGTGTAAGTA.1_2	YUPIXEL	B 1
## GAAGCAGTCGACCAGC.1_2	YUPIXEL	NK 1
## GAATAAGAGACACTAA.1_2	YUPIXEL	CD4T 4
## GAATAAGAGCCACGCT.1_2	YUPIXEL	Mono 5
## GAATAAGAGGCCCGTT.1_2	YUPIXEL	CD4T 7
## GAATAAGCAATAACGA.1_2	YUPIXEL	B 3
## GAATAAGCAGACGCAA.1_2	YUPIXEL	B 2
## GAATGAAAGACAAGCC.1_2	YUPIXEL	Mono 5
## GAATGAAAGCGTTGCC.1_2	YUPIXEL	CD8T 1
## GAATGAAAGTCCAGGA.1_2	YUPIXEL	B 1
## GAATGAACAAAGAATC.1_2	YUPIXEL	CD4T 5
## GAATGAACACAGGTTT.1_2	YUPIXEL	Mono 4
## GAATGAATCACCTCGT.1_2	YUPIXEL	Mono 8
## GAATGAATCCGTCATC.1_2	YUPIXEL	CD4T 5
## GAATGAATCTGATACG.1_2	YUPIXEL	Mono 8
## GAATGAATCTTTCCTC.1_2	YUPIXEL	CD4T 1
## GACACGCAGGCAGTCA.1_2	YUPIXEL	Mono 9
## GACACGCAGTAGCCGA.1_2	YUPIXEL	CD4T 2
## GACACGCGTCTAACGT.1_2	YUPIXEL	B 5
## GACACGCGTGTGACGA.1_2	YUPIXEL	B 2
## GACACGCTCCGATATG.1_2	YUPIXEL	Mono 5
## GACACGCTCTTGAGAC.1_2	YUPIXEL	CD4T 3
## GACAGAGAGACTGTAA.1_2	YUPIXEL	CD4T 7
## GACAGAGAGCCACCTG.1_2	YUPIXEL	CD4T 6
## GACAGAGAGTTGAGAT.1_2	YUPIXEL	Mono 3
## GACAGAGCAGGGCATA.1_2	YUPIXEL	Mono 8
## GACAGAGGTGTAACGG.1_2	YUPIXEL	B 1

## GACAGAGGTTAAGACA.1_2	YUPIXEL	CD4T 2
## GACAGAGGTTGGACCC.1_2	YUPIXEL	CD4T 1
## GACAGAGTCAAGGTAA.1_2	YUPIXEL	B 1
## GACAGAGTCACCATAG.1_2	YUPIXEL	CD4T 3
## GACAGAGTCCGCGTTT.1_2	YUPIXEL	B 1
## GACAGAGTCGGCGCTA.1_2	YUPIXEL	CD4T 4
## GACCAATAGAAGATTC.1_2	YUPIXEL	Mono 9
## GACCAATAGACCGGAT.1_2	YUPIXEL	CD4T 2
## GACCAATAGTGGAGTC.1_2	YUPIXEL	Mono 8
## GACCAATCACGGACAA.1_2	YUPIXEL	CD4T 1
## GACCAATGTACTCGCG.1_2	YUPIXEL	B 1
## GACCAATGTCTAACGT.1_2	YUPIXEL	Mono 2
## GACCAATGTGCGGTAA.1_2	YUPIXEL	Mono 8
## GACCAATGTGTGTGCC.1_2	YUPIXEL	Mono 5
## GACCAATTCAATACCG.1_2	YUPIXEL	B 3
## GACCAATTCTCTGTCG.1_2	YUPIXEL	CD4T 6
## GACCTGGAGTGGTAAT.1_2	YUPIXEL	CD4T 2
## GACCTGGAGTTACCCA.1_2	YUPIXEL	CD4T 3
## GACCTGGCACAAAGACG.1_2	YUPIXEL	NK 3
## GACCTGGGTGCAGTAG.1_2	YUPIXEL	CD4T 3
## GACCTGGGTTCACTAC.1_2	YUPIXEL	B 1
## GACCTGGGTTTAGCTG.1_2	YUPIXEL	TNKT 1
## GACCTGGTCTGTCAAG.1_2	YUPIXEL	CD4T 2
## GACGCGTAGACAGAGA.1_2	YUPIXEL	Mono 8
## GACGCGTAGTGTCTCA.1_2	YUPIXEL	B 1
## GACGCGTCATGCAACT.1_2	YUPIXEL	Mono 8
## GACGCGTGTAAGTTCC.1_2	YUPIXEL	CD8T 2
## GACGCGTGTCTGGTCG.1_2	YUPIXEL	CD4T 3
## GACGGCTAGTCGTACT.1_2	YUPIXEL	B 2
## GACGGCTCAAGGACAC.1_2	YUPIXEL	B 3
## GACGGCTGTCACACGC.1_2	YUPIXEL	CD4T 1
## GACGGCTGTGCAACTT.1_2	YUPIXEL	B 3
## GACGTGCAGCTGTTCA.1_2	YUPIXEL	CD4T 1
## GACGTGCGTATTACCG.1_2	YUPIXEL	CD4T 7
## GACGTGCGTGGTTTCA.1_2	YUPIXEL	CD4T 7
## GACGTGCTCATAAAGG.1_2	YUPIXEL	B 3
## GACGTGCTCATCGCTC.1_2	YUPIXEL	Mono 4
## GACGTGCTCTGTCTCG.1_2	YUPIXEL	NK 3
## GACGTTAAGGTCATCT.1_2	YUPIXEL	Mono 4
## GACGTTACAAGCTGTT.1_2	YUPIXEL	CD4T 6
## GACGTTACACGAGAGT.1_2	YUPIXEL	Mono 8
## GACGTTACAGGCTCAC.1_2	YUPIXEL	B 2
## GACGTTACAGTGAGTG.1_2	YUPIXEL	TNKT 1
## GACGTTAGTACACCGC.1_2	YUPIXEL	CD8T 2
## GACGTTAGTGTCTTTC.1_2	YUPIXEL	CD4T 1
## GACGTTAGTCCGTCT.1_2	YUPIXEL	TNKT 1
## GACTAACAGTTGAGTA.1_2	YUPIXEL	B 1
## GACTAACCAACAAGCCC.1_2	YUPIXEL	CD4T 7
## GACTAACGTCATTCC.1_2	YUPIXEL	CD4T 1
## GACTAACTCGGACAAG.1_2	YUPIXEL	B 3
## GACTAACTCGTTTAGG.1_2	YUPIXEL	B 1
## GACTACACATCTACGA.1_2	YUPIXEL	CD4T 2
## GACTACATCGTCCGTT.1_2	YUPIXEL	Mono 1
## GACTACATCTCGCTTG.1_2	YUPIXEL	NK 1

## GACTGCGAGAAGGACA.1_2	YUPIXEL	NK 2
## GACTGCGAGACGCACA.1_2	YUPIXEL	TNKT 2
## GACTGCGAGTCGTACT.1_2	YUPIXEL	CD4T 6
## GACTGCGAGTGTCAT.1_2	YUPIXEL	CD4T 1
## GACTGCGCAGCTGCTG.1_2	YUPIXEL	CD4T 1
## GACTGCGCATCCAACA.1_2	YUPIXEL	NK 1
## GACTGCGTCTCCTATA.1_2	YUPIXEL	CD4T 1
## GAGCAGACAATGGTCT.1_2	YUPIXEL	Mono 9
## GAGCAGACAGTTTACG.1_2	YUPIXEL	Mono 4
## GAGCAGAGTCCGCTGA.1_2	YUPIXEL	CD8T 3
## GAGCAGATCGAGCCCA.1_2	YUPIXEL	NK 4
## GAGCAGATCTATGTGG.1_2	YUPIXEL	B 1
## GAGGTGACAGACGTAG.1_2	YUPIXEL	CD4T 5
## GAGGTGAGTAGGCTGA.1_2	YUPIXEL	B 1
## GAGGTGATCCTGCCAT.1_2	YUPIXEL	CD4T 3
## GAGGTGATCTCTGTCG.1_2	YUPIXEL	B 1
## GAGGTGATCTGCTGCT.1_2	YUPIXEL	TNKT 1
## GAGTCCGAGGCACATG.1_2	YUPIXEL	CD4T 5
## GAGTCCGCAATTCCTT.1_2	YUPIXEL	CD4T 2
## GAGTCCGCAGGATTGG.1_2	YUPIXEL	NK 1
## GAGTCCGTCCTCTAGC.1_2	YUPIXEL	Mono 5
## GATCAGTAGAAGGCCT.1_2	YUPIXEL	B 1
## GATCAGTAGTACGTAA.1_2	YUPIXEL	B 3
## GATCAGTAGTGGCACA.1_2	YUPIXEL	NK 2
## GATCAGTCAGCTGCTG.1_2	YUPIXEL	Mono 7
## GATCAGTCATACAGCT.1_2	YUPIXEL	Mono 1
## GATCAGTCATCCCATC.1_2	YUPIXEL	TNKT 1
## GATCAGTGTCATCGGC.1_2	YUPIXEL	B 6
## GATCAGTGTGCCTGCA.1_2	YUPIXEL	Mono 7
## GATCAGTGTTTCATGGT.1_2	YUPIXEL	NK 1
## GATCAGTGTTTAAGCC.1_2	YUPIXEL	CD4T 1
## GATCAGTTCATCGATG.1_2	YUPIXEL	CD4T 4
## GATCAGTTCAGAAGG.1_2	YUPIXEL	Mono 8
## GATCAGTTCGGTCAA.1_2	YUPIXEL	NK 1
## GATCAGTTCGAATGCT.1_2	YUPIXEL	Mono 2
## GATCAGTTCTTCGGTC.1_2	YUPIXEL	NK 1
## GATCGATAGGACATTA.1_2	YUPIXEL	Mono 8
## GATCGATCACGGTAAG.1_2	YUPIXEL	NK 4
## GATCGATGTAAAGAC.1_2	YUPIXEL	CD4T 1
## GATCGATGTTCTGTAT.1_2	YUPIXEL	Mono 8
## GATCGATTGCGGCCAA.1_2	YUPIXEL	TNKT 1
## GATCGCGAGGGAGTAA.1_2	YUPIXEL	CD4T 1
## GATCGCGCACCCAGTG.1_2	YUPIXEL	B 1
## GATCGCGCAGCCTATA.1_2	YUPIXEL	CD8T 3
## GATCGCGGTATCTGCA.1_2	YUPIXEL	B 4
## GATCGCGTCAACACAC.1_2	YUPIXEL	B 1
## GATCGCGTCAGAAATG.1_2	YUPIXEL	CD4T 6
## GATCGCGTCCAAGTAC.1_2	YUPIXEL	CD4T 3
## GATCGCGTCGCCTGTT.1_2	YUPIXEL	CD4T 6
## GATCGTAAGCCAGAAC.1_2	YUPIXEL	CD4T 6
## GATCGTACAAGGTTTC.1_2	YUPIXEL	NK 1
## GATCGTACAGGAATCG.1_2	YUPIXEL	CD8T 2
## GATCGTAGTAGCACGA.1_2	YUPIXEL	Mono 5
## GATCGTAGTATCGCAT.1_2	YUPIXEL	Mono 9

## GATCGTAGTGAAATCA.1_2	YUPIXEL	CD4T 1
## GATCGTATCCTAGAAC.1_2	YUPIXEL	B 2
## GATCGTATCTCTGAGA.1_2	YUPIXEL	CD4T 1
## GATCTAGCAAATTGCC.1_2	YUPIXEL	NK 1
## GATCTAGCAAGCCATT.1_2	YUPIXEL	CD4T 6
## GATCTAGCAATAGCAA.1_2	YUPIXEL	B 4
## GATCTAGCAGAAGCAC.1_2	YUPIXEL	CD4T 4
## GATCTAGCATTCTCAT.1_2	YUPIXEL	B 1
## GATCTAGGTGTGGCTC.1_2	YUPIXEL	CD4T 6
## GATCTAGTCACTTCAT.1_2	YUPIXEL	NK 4
## GATCTAGTCCTTCAAT.1_2	YUPIXEL	NK 3
## GATGAAACAGGACGTA.1_2	YUPIXEL	CD4T 1
## GATGAAAGTCACTGGC.1_2	YUPIXEL	CD4T 1
## GATGAAATCCTAGTGA.1_2	YUPIXEL	NK 2
## GATGAAATCGCCTGTT.1_2	YUPIXEL	CD4T 3
## GATGAAATCGTAGATC.1_2	YUPIXEL	CD4T 2
## GATGAAATCTTGGGTA.1_2	YUPIXEL	NK 1
## GATGAGGAGACGCAAC.1_2	YUPIXEL	TNKT 1
## GATGAGGGTACCGCTG.1_2	YUPIXEL	B 3
## GATGAGGGTTATGTGC.1_2	YUPIXEL	CD4T 1
## GATGCTAAGCTGAAAT.1_2	YUPIXEL	CD4T 1
## GATGCTAAGGCCCGTT.1_2	YUPIXEL	CD4T 2
## GATGCTACAATCAGAA.1_2	YUPIXEL	B 5
## GATGCTACAATGGACG.1_2	YUPIXEL	B 4
## GATGCTACACTCAGGC.1_2	YUPIXEL	B 1
## GATGCTACAGCTATTG.1_2	YUPIXEL	Mono 1
## GATGCTACATCCAACA.1_2	YUPIXEL	CD4T 6
## GATGCTACATGAGCGA.1_2	YUPIXEL	B 2
## GATGCTAGTTGGAGGT.1_2	YUPIXEL	TNKT 1
## GATGCTATCATCGGAT.1_2	YUPIXEL	CD8T 1
## GATTCAAGAGTGCAAGC.1_2	YUPIXEL	CD4T 3
## GATTCAAGCAACAACCT.1_2	YUPIXEL	Mono 4
## GATTCAAGCAGGTCCAC.1_2	YUPIXEL	CD4T 1
## GATTCAAGTCGCGGATC.1_2	YUPIXEL	CD4T 7
## GATTCAAGTCGTTTGCC.1_2	YUPIXEL	Mono 9
## GCAAACCTCACGGCCAT.1_2	YUPIXEL	Mono 4
## GCAAACCTCATCCCACT.1_2	YUPIXEL	CD4T 1
## GCAAACCTGTCGCATCG.1_2	YUPIXEL	TNKT 1
## GCAAACCTGTGTATGGG.1_2	YUPIXEL	Mono 8
## GCAAACCTGTTAGATGA.1_2	YUPIXEL	CD4T 5
## GCAAACCTTCTACCAGA.1_2	YUPIXEL	CD4T 4
## GCAATCAAGACTAGAT.1_2	YUPIXEL	B 3
## GCAATCAAGAGGTTAT.1_2	YUPIXEL	B 3
## GCAATCACACGAAGCA.1_2	YUPIXEL	CD8T 1
## GCAATCACATGTTCCC.1_2	YUPIXEL	CD4T 2
## GCAATCATCTCGGACG.1_2	YUPIXEL	CD4T 7
## GCACATACAAGGTTTC.1_2	YUPIXEL	CD4T 3
## GCACATACAATGTTGC.1_2	YUPIXEL	B 1
## GCACATACACAGACAG.1_2	YUPIXEL	NK 2
## GCACATACACCCATGG.1_2	YUPIXEL	CD4T 2
## GCACATATCGCGCAA.1_2	YUPIXEL	Mono 4
## GCACATATCTAACTTC.1_2	YUPIXEL	NK 3
## GCACTCTAGGAATCGC.1_2	YUPIXEL	Mono 8
## GCACTCTAGTTGAGAT.1_2	YUPIXEL	Mono 2

##	GCACTCTAGTTTCCTT.1_2	YUPIXEL	B 1
##	GCACTCTCACAAGCCC.1_2	YUPIXEL	NK 4
##	GCACTCTCACCGTTGG.1_2	YUPIXEL	CD8T 1
##	GCACTCTCAGGATTGG.1_2	YUPIXEL	CD4T 6
##	GCACTCTTCGGTCTAA.1_2	YUPIXEL	Mono 8
##	GCAGCCAAGCTCTCGG.1_2	YUPIXEL	B 2
##	GCAGCCAAGGGTCGAT.1_2	YUPIXEL	CD4T 4
##	GCAGCCACATTCCTGC.1_2	YUPIXEL	CD4T 4
##	GCAGCCAGTAAATGTG.1_2	YUPIXEL	CD4T 1
##	GCAGCCAGTAATCACC.1_2	YUPIXEL	CD4T 7
##	GCAGCCAGTCCAGTGC.1_2	YUPIXEL	Mono 8
##	GCAGTTAAGGCCCTCA.1_2	YUPIXEL	B 1
##	GCAGTTAAGGTGCAAC.1_2	YUPIXEL	CD4T 3
##	GCAGTTAAGTCGTACT.1_2	YUPIXEL	Mono 4
##	GCAGTTACAGACTCGC.1_2	YUPIXEL	Mono 4
##	GCAGTTAGTACCCAAT.1_2	YUPIXEL	CD4T 1
##	GCAGTTAGTTCACAA.1_2	YUPIXEL	TNKT 1
##	GCATACAAGGCAGTCA.1_2	YUPIXEL	CD4T 4
##	GCATACAAGTCAAGCG.1_2	YUPIXEL	B 1
##	GCATACAAGTTAGGTA.1_2	YUPIXEL	NK 1
##	GCATACACAAGGTCA.1_2	YUPIXEL	B 2
##	GCATACACAGCGAACA.1_2	YUPIXEL	Mono 8
##	GCATACAGTAAGAGGA.1_2	YUPIXEL	TNKT 1
##	GCATACAGTCTTCGTC.1_2	YUPIXEL	NK 1
##	GCATACATCAACACCA.1_2	YUPIXEL	CD4T 1
##	GCATACATCACGACTA.1_2	YUPIXEL	CD4T 3
##	GCATACATCCGATATG.1_2	YUPIXEL	CD4T 2
##	GCATACATCGTAGGAG.1_2	YUPIXEL	CD4T 2
##	GCATGATAGTTCGCAT.1_2	YUPIXEL	CD4T 6
##	GCATGCGAGAGTAAGG.1_2	YUPIXEL	B 2
##	GCATGCGAGTGCCATT.1_2	YUPIXEL	B 3
##	GCATGCGCAAGAGGCT.1_2	YUPIXEL	TNKT 1
##	GCATGCGCAGCCTTGG.1_2	YUPIXEL	CD4T 3
##	GCATGCGGTAATCACC.1_2	YUPIXEL	NK 1
##	GCATGCGGTAGTAGTA.1_2	YUPIXEL	B 1
##	GCATGCGGTATAGTAG.1_2	YUPIXEL	B 3
##	GCATGCGGTATCACCA.1_2	YUPIXEL	Mono 4
##	GCATGCGGTATTCTGTG.1_2	YUPIXEL	B 1
##	GCATGCGGTCTCTTTA.1_2	YUPIXEL	Mono 9
##	GCATGCGGTCTGATCA.1_2	YUPIXEL	B 3
##	GCATGCGTCAAGCCTA.1_2	YUPIXEL	B 1
##	GCATGCGTCAGAAATG.1_2	YUPIXEL	Mono 5
##	GCATGTAAGAGAGCTC.1_2	YUPIXEL	CD4T 1
##	GCATGTACACCAGGTC.1_2	YUPIXEL	CD4T 1
##	GCATGTACACCATGTA.1_2	YUPIXEL	Mono 8
##	GCATGTACAGGTCCAC.1_2	YUPIXEL	TNKT 1
##	GCATGTACATATGGTC.1_2	YUPIXEL	TNKT 1
##	GCATGTAGTCTTTCAT.1_2	YUPIXEL	Mono 9
##	GCATGTAGTTTCCACC.1_2	YUPIXEL	CD4T 5
##	GCCAAATAGTCCCACG.1_2	YUPIXEL	Mono 8
##	GCCAAATCAAAGGCGT.1_2	YUPIXEL	B 3
##	GCCAAATCACAACGT.1_2	YUPIXEL	CD4T 2
##	GCCAAATCAGTCGTGC.1_2	YUPIXEL	Mono 3
##	GCCAAATGTACAAGTA.1_2	YUPIXEL	NK 1

## GCCAAATGTACTTCTT.1_2	YUPIXEL	B 3
## GCCAAATGTCCAGTAT.1_2	YUPIXEL	Mono 1
## GCCAAATGTCTTGCGG.1_2	YUPIXEL	Mono 7
## GCCAAATGTGATGTGG.1_2	YUPIXEL	CD4T 4
## GCCAAATGTTCCACGG.1_2	YUPIXEL	Mono 1
## GCCAAATTCTGCTGTC.1_2	YUPIXEL	B 1
## GCCAAATTCTCGAGA.1_2	YUPIXEL	Mono 1
## GCCTCTAAGAACAAC.1_2	YUPIXEL	NK 4
## GCCTCTAAGGCAAAGA.1_2	YUPIXEL	CD4T 1
## GCCTCTAGTCGATTGT.1_2	YUPIXEL	Mono 1
## GCCTCTAGTGGTAACG.1_2	YUPIXEL	CD8T 1
## GCGACCAAGCGCTTAT.1_2	YUPIXEL	CD4T 1
## GCGACCACAAC.1_2	YUPIXEL	Mono 8
## GCGACCACAAGCTGGA.1_2	YUPIXEL	CD4T 2
## GCGACCAGTATAGGTA.1_2	YUPIXEL	Mono 1
## GCGACCATCGGATGGA.1_2	YUPIXEL	CD8T 2
## GCGAGAAAGTGTCAT.1_2	YUPIXEL	Mono 7
## GCGAGAAGTACCGCTG.1_2	YUPIXEL	CD4T 3
## GCGAGAATCACTTACT.1_2	YUPIXEL	B 2
## GCGAGAATCCTCAACC.1_2	YUPIXEL	B 2
## GCGAGAATCCTCTAGC.1_2	YUPIXEL	B 3
## GCGAGAATCTCCCTGA.1_2	YUPIXEL	Mono 4
## GCGCAACAGAGCTTCT.1_2	YUPIXEL	TNKT 1
## GCGCAACAGCCAGCT.1_2	YUPIXEL	CD4T 3
## GCGCAACAGCGCCTTG.1_2	YUPIXEL	Mono 9
## GCGCAACAGTGTCAT.1_2	YUPIXEL	B 1
## GCGCAACCAACCCATTC.1_2	YUPIXEL	CD4T 2
## GCGCAACGTCTCTTTA.1_2	YUPIXEL	CD8T 2
## GCGCAACGTGAGGGTT.1_2	YUPIXEL	Mono 3
## GCGCAACTCCAGATCA.1_2	YUPIXEL	Mono 8
## GCGCAACTCGCCATAA.1_2	YUPIXEL	NK 4
## GCGCAACTCTGATTCT.1_2	YUPIXEL	CD4T 2
## GCGCAGTCAGACACTT.1_2	YUPIXEL	CD4T 1
## GCGCAGTGTGAGATAA.1_2	YUPIXEL	TNKT 1
## GCGCAGTGTTGCGCAC.1_2	YUPIXEL	CD4T 6
## GCGCAGTTCAGACTA.1_2	YUPIXEL	CD4T 2
## GCGCAGTTCAGTGGG.1_2	YUPIXEL	CD4T 3
## GCGCCAAAGAAACGCC.1_2	YUPIXEL	TNKT 1
## GCGCCAAAGAAGATTC.1_2	YUPIXEL	CD4T 1
## GCGCCAAAGCGATCCC.1_2	YUPIXEL	CD4T 4
## GCGCCAAAGGACGAAA.1_2	YUPIXEL	TNKT 1
## GCGCCAAAGGAGTACC.1_2	YUPIXEL	TNKT 1
## GCGCCAAAGTGCGTGA.1_2	YUPIXEL	CD4T 2
## GCGCCAAGTATATGGA.1_2	YUPIXEL	B 5
## GCGCCAAGTCTAGGTT.1_2	YUPIXEL	NK 4
## GCGCCAATCAATAAGG.1_2	YUPIXEL	Mono 5
## GCGCCAATCTCTGAGA.1_2	YUPIXEL	B 3
## GCGCCAATCTTTAGGG.1_2	YUPIXEL	TNKT 1
## GCGCGATCACACGCTG.1_2	YUPIXEL	CD4T 1
## GCGCGATTAGTACGT.1_2	YUPIXEL	Mono 1
## GCGCGATTGCGACTCT.1_2	YUPIXEL	CD4T 6
## GCGCGATTGCGTCCGA.1_2	YUPIXEL	CD4T 2
## GCGGGTTAGATCCGAG.1_2	YUPIXEL	Mono 8
## GCGGGTTGTACAGAA.1_2	YUPIXEL	B 2

## GCGGGTTGTTTCAGACT.1_2	YUPIXEL	Mono 8
## GCTCCTAAGGTAAACT.1_2	YUPIXEL	CD4T 3
## GCTCCTAGTATTCTCT.1_2	YUPIXEL	TNKT 1
## GCTCCTAGTCGCCATG.1_2	YUPIXEL	CD4T 2
## GCTCCTATCCTGCAGG.1_2	YUPIXEL	CD4T 1
## GCTCCTATCGAACTGT.1_2	YUPIXEL	TNKT 1
## GCTCTGTAGCACCGTC.1_2	YUPIXEL	CD4T 5
## GCTCTGTAGCATGGCA.1_2	YUPIXEL	CD4T 6
## GCTCTGTAGTCACGCC.1_2	YUPIXEL	NK 4
## GCTCTGTCACCGATAT.1_2	YUPIXEL	CD8T 1
## GCTCTGTCATAGGATA.1_2	YUPIXEL	Mono 8
## GCTCTGTCATCCAACA.1_2	YUPIXEL	Mono 9
## GCTCTGTCATGCAATC.1_2	YUPIXEL	CD4T 6
## GCTCTGTGTCTCACCT.1_2	YUPIXEL	CD4T 7
## GCTCTGTGTGGTACAG.1_2	YUPIXEL	B 1
## GCTCTGTGTCCACTC.1_2	YUPIXEL	B 3
## GCTCTGTGTGTCGCG.1_2	YUPIXEL	Mono 9
## GCTCTGTTCTCGCTTG.1_2	YUPIXEL	B 1
## GCTGCAGAGAGTTGGC.1_2	YUPIXEL	NK 3
## GCTGCAGAGCACCGCT.1_2	YUPIXEL	CD4T 1
## GCTGCAGAGCGCTCCA.1_2	YUPIXEL	Mono 5
## GCTGCAGAGTAGCGGT.1_2	YUPIXEL	CD4T 1
## GCTGCAGTCACATACG.1_2	YUPIXEL	CD4T 3
## GCTGCAGTCTACCTGC.1_2	YUPIXEL	Mono 1
## GCTGCGAAGCGAGAAA.1_2	YUPIXEL	CD4T 6
## GCTGCGAAGTCTCGGC.1_2	YUPIXEL	CD4T 1
## GCTGCGACAATGGACG.1_2	YUPIXEL	B 2
## GCTGCGACAATGGATA.1_2	YUPIXEL	B 1
## GCTGCGAGTGGCAAAC.1_2	YUPIXEL	CD4T 1
## GCTGCGAGTTTAGGAA.1_2	YUPIXEL	CD8T 1
## GCTGCGATCTAGAGTC.1_2	YUPIXEL	B 3
## GCTGCTTAGCTCTCGG.1_2	YUPIXEL	Mono 6
## GCTGCTTAGTCTCCTC.1_2	YUPIXEL	B 1
## GCTGCTTGTAGCTTGT.1_2	YUPIXEL	Mono 5
## GCTGCTTGTGTCATG.1_2	YUPIXEL	TNKT 1
## GCTGGGTAGTAGGTGC.1_2	YUPIXEL	CD4T 5
## GCTGGGTCAGAGTGTG.1_2	YUPIXEL	B 1
## GCTGGGTCAGTAGAGC.1_2	YUPIXEL	NK 4
## GCTGGGTCATCCAACA.1_2	YUPIXEL	B 2
## GCTGGGTGTCATACTG.1_2	YUPIXEL	B 1
## GCTGGGTGTTAGAACA.1_2	YUPIXEL	CD4T 1
## GCTGGGTGTTCGTCTC.1_2	YUPIXEL	B 3
## GCTGGGTTCGGTCTAA.1_2	YUPIXEL	NK 1
## GCTTCCAAGTGCCTGA.1_2	YUPIXEL	B 1
## GCTTCCACATGCATGT.1_2	YUPIXEL	NK 3
## GCTTCCACATGCCCGA.1_2	YUPIXEL	CD4T 3
## GCTTCCAGTACCGTTA.1_2	YUPIXEL	Mono 5
## GCTTCCAGTTACGCGC.1_2	YUPIXEL	B 3
## GCTTCCATCGCCATAA.1_2	YUPIXEL	CD4T 7
## GCTTCCATCGCCTGAG.1_2	YUPIXEL	B 2
## GCTTCCATCTGTACT.1_2	YUPIXEL	Mono 5
## GCTTGAAAGACTAAGT.1_2	YUPIXEL	B 1
## GCTTGAACAGCGAACA.1_2	YUPIXEL	CD8T 2
## GCTTGAACATAGTAAG.1_2	YUPIXEL	B 1

## GCTTGAACATTCTCTGC.1_2	YUPIXEL	CD4T 1
## GCTTGAAGTAGCACGA.1_2	YUPIXEL	CD4T 4
## GCTTGAAGTGGCGAAT.1_2	YUPIXEL	CD4T 3
## GGAAAGCCAGATGGCA.1_2	YUPIXEL	Mono 8
## GGAAAGCCAGCCTGTG.1_2	YUPIXEL	NK 3
## GGAAAGCCAGCGATCC.1_2	YUPIXEL	NK 4
## GGAAAGCGTGCACCAC.1_2	YUPIXEL	Mono 3
## GGAAAGCGTTCTGGTA.1_2	YUPIXEL	B 3
## GGAAAGCTCTGGTGT.1_2	YUPIXEL	Mono 5
## GGAACCTTCATGACGGA.1_2	YUPIXEL	CD4T 4
## GGAATAACAATGAATG.1_2	YUPIXEL	CD4T 7
## GGACAAGCAACTGGCC.1_2	YUPIXEL	Mono 1
## GGACAAGCACATGACT.1_2	YUPIXEL	Mono 3
## GGACAAGGTCTTTCAT.1_2	YUPIXEL	B 4
## GGACAAGTCATAACCG.1_2	YUPIXEL	NK 1
## GGACAAGTCGCAAGCC.1_2	YUPIXEL	B 2
## GGACAGAAGCTGAAAT.1_2	YUPIXEL	Mono 8
## GGACAGACAAGGGTCA.1_2	YUPIXEL	Mono 8
## GGACAGACAGCGTAAG.1_2	YUPIXEL	B 1
## GGACAGAGTAGCCTAT.1_2	YUPIXEL	CD4T 6
## GGACAGATCTGGTATG.1_2	YUPIXEL	CD8T 1
## GGACATTAGAAAACCAT.1_2	YUPIXEL	CD4T 6
## GGACATTAGCGAAGGG.1_2	YUPIXEL	TNKT 1
## GGACATTGTAAACACA.1_2	YUPIXEL	NK 2
## GGACATTGTAACGCGA.1_2	YUPIXEL	CD4T 5
## GGACATTGTCGGGTCT.1_2	YUPIXEL	B 1
## GGACATTGTGGGTCAA.1_2	YUPIXEL	CD4T 3
## GGACATTGTTCCGTCT.1_2	YUPIXEL	Mono 8
## GGACATTGTTGCTCCT.1_2	YUPIXEL	B 1
## GGACATTTCGGCTACG.1_2	YUPIXEL	NK 1
## GGACATTTCTCAACTT.1_2	YUPIXEL	Mono 8
## GGACGTCGTTAAAGAC.1_2	YUPIXEL	CD4T 1
## GGACGTCCTCGCCCTTA.1_2	YUPIXEL	CD4T 3
## GGACGTCCTCGGTCCGA.1_2	YUPIXEL	B 2
## GGACGTCCTCGTCGTTT.1_2	YUPIXEL	B 1
## GGACGTCCTCGTTACGA.1_2	YUPIXEL	B 1
## GGAGCAAAGAGGTTAT.1_2	YUPIXEL	B 1
## GGAGCAAAGGCCCGTT.1_2	YUPIXEL	CD4T 6
## GGAGCAACAACACCCG.1_2	YUPIXEL	Mono 2
## GGAGCAAGTCACCCAG.1_2	YUPIXEL	CD4T 2
## GGAGCAAGTCAGAAGC.1_2	YUPIXEL	CD4T 3
## GGAGCAATCCCAGGTG.1_2	YUPIXEL	TNKT 2
## GGAGCAATCTAACTCT.1_2	YUPIXEL	CD4T 3
## GGATGTTAGGTGTGGT.1_2	YUPIXEL	CD4T 7
## GGATGTTCACTAAGTC.1_2	YUPIXEL	B 3
## GGATGTTCACTTCTGC.1_2	YUPIXEL	CD4T 1
## GGATGTTGTCTAGGTT.1_2	YUPIXEL	B 1
## GGATGTTGTTCATGA.1_2	YUPIXEL	NK 4
## GGATGTTTCAAGAAGT.1_2	YUPIXEL	Mono 1
## GGATGTTTCATGCTCC.1_2	YUPIXEL	B 1
## GGATGTTTCCATGCTC.1_2	YUPIXEL	Mono 9
## GGATGTTTCCCAAGTA.1_2	YUPIXEL	NK 2
## GGATGTTTCTACAGA.1_2	YUPIXEL	CD4T 1
## GGATTACAGCGCCTCA.1_2	YUPIXEL	CD4T 3

## GGATTACAGGTGCAAC.1_2	YUPIXEL	B 1
## GGATTACCAGCTGGCT.1_2	YUPIXEL	CD4T 1
## GGATTACCATCGGAAG.1_2	YUPIXEL	CD4T 1
## GGATTACGTTTAAGCC.1_2	YUPIXEL	CD4T 2
## GGATTACTCACATAGC.1_2	YUPIXEL	B 1
## GGATTACTCATGTCTT.1_2	YUPIXEL	CD4T 3
## GGCAATTAGGAGTACC.1_2	YUPIXEL	NK 2
## GGCAATTCACAGCCCA.1_2	YUPIXEL	CD4T 5
## GGCAATTCATGCCTTC.1_2	YUPIXEL	CD4T 4
## GGCAATTGTCCAAGTT.1_2	YUPIXEL	CD4T 2
## GGCAATTGTCCTGCTT.1_2	YUPIXEL	B 3
## GGCCGATGTAGCGCTC.1_2	YUPIXEL	Mono 3
## GGCCGATGTCACCCAG.1_2	YUPIXEL	NK 1
## GGCCGATGTCCAGTGC.1_2	YUPIXEL	CD4T 1
## GGCCGATTCTGCGTAA.1_2	YUPIXEL	CD4T 6
## GGCGACTAGACCTTTG.1_2	YUPIXEL	CD4T 7
## GGCGACTCATCTGGTA.1_2	YUPIXEL	CD4T 3
## GGCGACTGTAGCGATG.1_2	YUPIXEL	CD4T 6
## GGCGACTGTATGAAAC.1_2	YUPIXEL	CD4T 6
## GGCGACTTCACAACGT.1_2	YUPIXEL	CD4T 1
## GGCGTGTACCGTTTTA.1_2	YUPIXEL	CD4T 1
## GGCGTGTTCGAGAACG.1_2	YUPIXEL	CD4T 7
## GGCTCGAAGATCGATA.1_2	YUPIXEL	CD4T 1
## GGCTCGAAGGAGTTTA.1_2	YUPIXEL	CD4T 1
## GGCTCGAAGTTCACAC.1_2	YUPIXEL	NK 1
## GGCTCGACACCACCAG.1_2	YUPIXEL	CD4T 7
## GGCTCGACAGTCCTTC.1_2	YUPIXEL	CD4T 1
## GGCTCGACATTACGAC.1_2	YUPIXEL	CD4T 1
## GGCTCGAGTCCGTCAG.1_2	YUPIXEL	CD8T 2
## GGCTCGAGTGACGCCT.1_2	YUPIXEL	B 3
## GGCTCGATCTTGTA.1_2	YUPIXEL	Mono 5
## GGCTGGTCACTACAGT.1_2	YUPIXEL	CD4T 3
## GGCTGGTTCACCTCGT.1_2	YUPIXEL	TNKT 1
## GGCTGGTTCAGTGCAT.1_2	YUPIXEL	NK 3
## GGCTGGTTCCTTGACC.1_2	YUPIXEL	B 1
## GGGAATGAGCAATATG.1_2	YUPIXEL	B 3
## GGGAATGGTACTTGAC.1_2	YUPIXEL	NK 1
## GGGAATGGTGATAAGT.1_2	YUPIXEL	B 3
## GGGAATGTCAACGCTA.1_2	YUPIXEL	Mono 1
## GGGACCTCACCGGAAA.1_2	YUPIXEL	CD4T 1
## GGGACCTCATACTCTT.1_2	YUPIXEL	CD4T 1
## GGGACCTTCACCCTCA.1_2	YUPIXEL	TNKT 1
## GGGACCTTCAGACTA.1_2	YUPIXEL	B 1
## GGGACCTTCCGCAGTG.1_2	YUPIXEL	CD4T 4
## GGGACCTTCGTGGGAA.1_2	YUPIXEL	CD8T 1
## GGGAGATAGTGACATA.1_2	YUPIXEL	B 1
## GGGAGATCAAGTTCTG.1_2	YUPIXEL	TNKT 1
## GGGAGATCAATGGAGC.1_2	YUPIXEL	B 1
## GGGAGATGTCCAAGTT.1_2	YUPIXEL	Mono 4
## GGGAGATGTTCAGTAC.1_2	YUPIXEL	CD4T 4
## GGGAGATTCAAGCCTA.1_2	YUPIXEL	B 1
## GGGATGAAGCAGCCTC.1_2	YUPIXEL	TNKT 1
## GGGATGAAGTACGTTT.1_2	YUPIXEL	B 1
## GGGATGAGTGTGCCTG.1_2	YUPIXEL	CD4T 1

## GGGATGATCAGAGGTG.1_2	YUPIXEL	NK 4
## GGGCACTAGACATAAC.1_2	YUPIXEL	B 2
## GGGCACTAGCAGACTG.1_2	YUPIXEL	Mono 8
## GGGCACTCAGACGCTC.1_2	YUPIXEL	B 4
## GGGCACTTCAGGATCT.1_2	YUPIXEL	B 2
## GGGCACTTCCGCTGTT.1_2	YUPIXEL	Mono 4
## GGGCATCAGACAAAGG.1_2	YUPIXEL	CD4T 7
## GGGCATCAGACCACGA.1_2	YUPIXEL	NK 2
## GGGCATCAGATCTGCT.1_2	YUPIXEL	Mono 8
## GGGCATCAGCGCTCCA.1_2	YUPIXEL	B 1
## GGGCATCAGGGTGTG.1_2	YUPIXEL	CD4T 6
## GGGCATCAGTGGGATC.1_2	YUPIXEL	Mono 8
## GGGCATCCAATAGCGG.1_2	YUPIXEL	NK 3
## GGGTCTGAGACAAAGG.1_2	YUPIXEL	B 2
## GGGTCTGAGCTCCTTC.1_2	YUPIXEL	B 3
## GGGTCTGAGGCTAGAC.1_2	YUPIXEL	CD4T 1
## GGGTCTGAGTCGAGTG.1_2	YUPIXEL	CD4T 6
## GGGTCTGCACCCATTC.1_2	YUPIXEL	NK 1
## GGGTCTGCACGTCAGC.1_2	YUPIXEL	CD4T 6
## GGGTCTGCAGACAAAT.1_2	YUPIXEL	B 1
## GGGTCTGGTTGGTAAA.1_2	YUPIXEL	B 3
## GGGTCTGTCAAGGTAA.1_2	YUPIXEL	NK 2
## GGGTCTGTGCGACAAG.1_2	YUPIXEL	CD8T 3
## GGGTCTGTGCTTGACA.1_2	YUPIXEL	CD4T 3
## GGGTTGCAGTATGACA.1_2	YUPIXEL	Mono 4
## GGGTTGCAGTGACCT.1_2	YUPIXEL	CD8T 1
## GGGTTGCCAAAGCGGT.1_2	YUPIXEL	CD8T 2
## GGGTTGCCACCCTATC.1_2	YUPIXEL	NK 1
## GGGTTGCCAGCCTATA.1_2	YUPIXEL	CD4T 5
## GGGTTGCGTTCCTCCA.1_2	YUPIXEL	CD4T 1
## GGGTTGCTCAACACAC.1_2	YUPIXEL	Mono 2
## GGGTTGCTCCAGAAGG.1_2	YUPIXEL	B 2
## GGGTTGCTCTGTCCGT.1_2	YUPIXEL	CD4T 4
## GGTATTGAGAAGGTTT.1_2	YUPIXEL	B 1
## GGTATTGCACATCTTT.1_2	YUPIXEL	Mono 4
## GGTATTGCAGGACCCT.1_2	YUPIXEL	CD4T 3
## GGTATTGGTCACAAGG.1_2	YUPIXEL	B 2
## GGTATTGGTCTGCCAG.1_2	YUPIXEL	CD4T 5
## GGTATTGGTTCAGGCC.1_2	YUPIXEL	Mono 4
## GGTATTGGTTGATTGC.1_2	YUPIXEL	B 2
## GGTATTGTGCGGTAGC.1_2	YUPIXEL	Mono 2
## GGTATTGTGCGGAAATA.1_2	YUPIXEL	B 1
## GGTATTGTGCTGACAT.1_2	YUPIXEL	Mono 7
## GGTATTGTCTTCGGTC.1_2	YUPIXEL	NK 4
## GGTGAAGGTACCGGA.1_2	YUPIXEL	B 3
## GGTGAAGCAAGGTGTG.1_2	YUPIXEL	TNKT 1
## GGTGAAGGTGACCAAG.1_2	YUPIXEL	CD4T 7
## GGTGAAGTCCACGTGG.1_2	YUPIXEL	CD4T 6
## GGTGAAGTCCGCATCT.1_2	YUPIXEL	TNKT 1
## GGTGCGTAGATCTGCT.1_2	YUPIXEL	Mono 3
## GGTGCGTCAAGGTGTG.1_2	YUPIXEL	TNKT 1
## GGTGCGTCACCTTGTC.1_2	YUPIXEL	B 1
## GGTGCGTCAGATAATG.1_2	YUPIXEL	CD4T 1
## GGTGCGTGTGCCTTGG.1_2	YUPIXEL	B 1

## GGTGCGTTCGACGGAA.1_2	YUPIXEL	CD4T 3
## GGTGTTAAGGAATGGA.1_2	YUPIXEL	B 2
## GGTGTTACACCAACCG.1_2	YUPIXEL	CD4T 3
## GGTGTTACAGACGTAG.1_2	YUPIXEL	CD4T 2
## GGTGTTATCAGCAACT.1_2	YUPIXEL	B 3
## GGTGTTATCCGAAGAG.1_2	YUPIXEL	B 2
## GTAACGTAGCCACCTG.1_2	YUPIXEL	CD4T 2
## GTAACGTGTACAGAA.1_2	YUPIXEL	NK 1
## GTAACGTTACGCATA.1_2	YUPIXEL	CD4T 4
## GTAACGTAGAACAATC.1_2	YUPIXEL	B 1
## GTAACGTAGCCAGTAG.1_2	YUPIXEL	CD4T 1
## GTAACGTAGGGTGTGT.1_2	YUPIXEL	B 4
## GTAACGTCAAACGTGG.1_2	YUPIXEL	CD4T 7
## GTAACGTGCACTGCG.1_2	YUPIXEL	CD4T 3
## GTAACGTGCATGCAATC.1_2	YUPIXEL	NK 1
## GTAACGTGGTCTGATTG.1_2	YUPIXEL	CD4T 1
## GTAACGTGGTTCGAATC.1_2	YUPIXEL	CD4T 3
## GTAACGTGTCGACAGCC.1_2	YUPIXEL	Mono 5
## GTAACGTGTCGACTCT.1_2	YUPIXEL	CD4T 7
## GTACGTAAGAAACCGC.1_2	YUPIXEL	TNKT 1
## GTACGTACAAAGCGGT.1_2	YUPIXEL	CD4T 1
## GTACGTACATACAGCT.1_2	YUPIXEL	CD8T 1
## GTACGTAGTGATAAGT.1_2	YUPIXEL	CD4T 2
## GTACGTAGTGTCTCT.1_2	YUPIXEL	CD4T 1
## GTACGTATCAACCAAC.1_2	YUPIXEL	Mono 8
## GTACGTATCATTCACT.1_2	YUPIXEL	CD4T 3
## GTACTCCAGGTGTGGT.1_2	YUPIXEL	CD4T 1
## GTACTCCAGTTCACA.1_2	YUPIXEL	Mono 4
## GTACTCCCAGCTTAAC.1_2	YUPIXEL	CD4T 2
## GTACTCCGTACTCAAC.1_2	YUPIXEL	Mono 4
## GTACTCCGTATTACCG.1_2	YUPIXEL	B 3
## GTACTCCGTGGTGTAG.1_2	YUPIXEL	CD8T 3
## GTACTCCGTTATTCTC.1_2	YUPIXEL	CD4T 1
## GTACTCCGTTTAGGAA.1_2	YUPIXEL	CD4T 1
## GTACTCCTCCTGTAGA.1_2	YUPIXEL	Mono 8
## GTACTCCTCTCCGGTT.1_2	YUPIXEL	Mono 9
## GTACTTTAGCATGGCA.1_2	YUPIXEL	TNKT 1
## GTACTTTAGTGGAGAA.1_2	YUPIXEL	B 2
## GTACTTTCAAGTCTGT.1_2	YUPIXEL	Mono 5
## GTACTTTCAGATGAGC.1_2	YUPIXEL	CD4T 7
## GTACTTTCATGTAGTC.1_2	YUPIXEL	CD4T 5
## GTACTTTGTCCGTAA.1_2	YUPIXEL	CD4T 1
## GTACTTTGTGTTGGGA.1_2	YUPIXEL	CD4T 1
## GTACTTTTCACGCATA.1_2	YUPIXEL	B 1
## GTACTTTTCCAAGTAC.1_2	YUPIXEL	CD4T 6
## GTACTTTTCGGTGTGCG.1_2	YUPIXEL	Mono 5
## GTACTTTTCTCTTATG.1_2	YUPIXEL	Mono 9
## GTAGGCCAGAATCTCC.1_2	YUPIXEL	Mono 9
## GTAGGCCAGGCACATG.1_2	YUPIXEL	B 1
## GTAGGCCAGTCTCCTC.1_2	YUPIXEL	Mono 9
## GTAGGCCCATGCGCAC.1_2	YUPIXEL	B 3
## GTAGGCCGTACGCACC.1_2	YUPIXEL	TNKT 1
## GTAGGCCGTAGGGACT.1_2	YUPIXEL	B 2
## GTAGGCCTCCTGCAGG.1_2	YUPIXEL	NK 3

## GTAGGCCTCGCCTGAG.1_2	YUPIXEL	B 2
## GTAGGCCTCTTCATGT.1_2	YUPIXEL	CD8T 1
## GTAGTCACATGGGACA.1_2	YUPIXEL	B 1
## GTAGTCATCCAGATCA.1_2	YUPIXEL	CD4T 2
## GTAGTCATCGGTCCGA.1_2	YUPIXEL	B 1
## GTAGTCATCTTACCTA.1_2	YUPIXEL	Mono 8
## GTATCTTAGCGTGTCC.1_2	YUPIXEL	B 1
## GTATCTTCAGCCACCA.1_2	YUPIXEL	CD4T 6
## GTATCTTGTAGAGCTG.1_2	YUPIXEL	CD4T 3
## GTATCTTGTGTTCGAT.1_2	YUPIXEL	CD4T 7
## GTATCTTTCACTTACT.1_2	YUPIXEL	Mono 8
## GTATCTTTCAGATAAG.1_2	YUPIXEL	CD4T 1
## GTATCTTTGCTTGTC.1_2	YUPIXEL	Mono 1
## GTATTCTAGCGCCTCA.1_2	YUPIXEL	CD4T 2
## GTATTCTCACGACTCG.1_2	YUPIXEL	NK 3
## GTATTCTGTCTCACCT.1_2	YUPIXEL	Mono 8
## GTATTCTGTGAGTATA.1_2	YUPIXEL	Mono 9
## GTATTCTGTTCCCGAG.1_2	YUPIXEL	B 3
## GTATTCTTCCAGGGCT.1_2	YUPIXEL	B 6
## GTATTCTTCTCACATT.1_2	YUPIXEL	Mono 8
## GTC AAGTCAGGACGTA.1_2	YUPIXEL	CD4T 1
## GTC AAGTGTGAGTGAC.1_2	YUPIXEL	CD4T 1
## GTC AAGTGTGGTAACG.1_2	YUPIXEL	CD4T 5
## GTC AAGTTCTGATTCT.1_2	YUPIXEL	B 1
## GTCACAAAGAACAAC.1_2	YUPIXEL	CD4T 5
## GTCACAAAGATGCCAG.1_2	YUPIXEL	Mono 5
## GTCACAAAGCGTTGCC.1_2	YUPIXEL	CD4T 7
## GTCACAAGTGCCTTGG.1_2	YUPIXEL	NK 2
## GTCACAATCGTCTGAA.1_2	YUPIXEL	Mono 9
## GTCACAATCTTTACGT.1_2	YUPIXEL	Mono 2
## GTCACGGCAACACGCC.1_2	YUPIXEL	NK 1
## GTCACGGCATCTCCCA.1_2	YUPIXEL	Mono 8
## GTCACGGGTCTCTTAT.1_2	YUPIXEL	DC 1
## GTCACGGTCTGACCGG.1_2	YUPIXEL	CD4T 6
## GTCATTTAGCGTCAAG.1_2	YUPIXEL	CD4T 2
## GTCATTTAGGGATGGG.1_2	YUPIXEL	B 1
## GTCATTTCAAACCTAC.1_2	YUPIXEL	CD4T 6
## GTCATTTACGGCGTT.1_2	YUPIXEL	B 3
## GTCATTTGTATCTGCA.1_2	YUPIXEL	CD8T 1
## GTCCTCAAGACATAAC.1_2	YUPIXEL	Mono 2
## GTCCTCAGTACCGGCT.1_2	YUPIXEL	Mono 9
## GTCCTCAGTATAGGGC.1_2	YUPIXEL	CD8T 1
## GTCCTCAGTGAGGGAG.1_2	YUPIXEL	CD4T 1
## GTCCTCATCGTTACAG.1_2	YUPIXEL	B 3
## GTCGGGTGTACTTGAC.1_2	YUPIXEL	Mono 8
## GTCGGGTGTTTAGGAA.1_2	YUPIXEL	Mono 3
## GTCGGGTTCACAGTAC.1_2	YUPIXEL	NK 1
## GTCGTAAAGAGACTTA.1_2	YUPIXEL	B 1
## GTCGTAAAGGAATCGC.1_2	YUPIXEL	B 1
## GTCGTAAAGTGTGAAT.1_2	YUPIXEL	B 6
## GTCGTAAAGTTAGGTA.1_2	YUPIXEL	TNKT 1
## GTCGTAAACATTATCTC.1_2	YUPIXEL	B 1
## GTCGTAAAGTCAGGACA.1_2	YUPIXEL	CD4T 6
## GTCGTAAAGTCCTGCTT.1_2	YUPIXEL	B 3

## GTCGTAATCATGCTCC.1_2	YUPIXEL	CD4T 3
## GTCGTAATCTACTATC.1_2	YUPIXEL	CD4T 2
## GTCTCGTAGAACTGTA.1_2	YUPIXEL	B 4
## GTCTCGTAGAGCCTAG.1_2	YUPIXEL	B 2
## GTCTCGTCAAGAAGAG.1_2	YUPIXEL	Mono 8
## GTCTCGTGTCAAAGCG.1_2	YUPIXEL	B 3
## GTCTTCGAGCACGCCT.1_2	YUPIXEL	CD4T 1
## GTCTTCGAGCTAGTTC.1_2	YUPIXEL	B 1
## GTCTTCGAGGCCATAG.1_2	YUPIXEL	B 2
## GTCTTCGAGTGGAGAA.1_2	YUPIXEL	CD4T 1
## GTCTTCGCAATCGAAA.1_2	YUPIXEL	NK 1
## GTCTTCGGTAGATTAG.1_2	YUPIXEL	B 1
## GTCTTCGGTCAACATC.1_2	YUPIXEL	Mono 7
## GTCTTCGGTGTCTGAT.1_2	YUPIXEL	CD4T 5
## GTCTTCGTCATCGATG.1_2	YUPIXEL	CD4T 6
## GTCTTCGTCTGTACGA.1_2	YUPIXEL	CD4T 7
## GTGAAGGAGGTTCCCTA.1_2	YUPIXEL	NK 1
## GTGAAGGCAAGTACCT.1_2	YUPIXEL	B 2
## GTGAAGGCACGGCTAC.1_2	YUPIXEL	B 3
## GTGAAGGTCAGAGGTG.1_2	YUPIXEL	NK 3
## GTGCAGCAGTGATCGG.1_2	YUPIXEL	Mono 7
## GTGCAGCCACGTCTCT.1_2	YUPIXEL	CD4T 2
## GTGCAGCGTTCGTCTC.1_2	YUPIXEL	CD8T 1
## GTGCATAAGTGGACGT.1_2	YUPIXEL	CD4T 6
## GTGCATACAAGCCGTC.1_2	YUPIXEL	CD4T 2
## GTGCATACAATAACGA.1_2	YUPIXEL	CD8T 1
## GTGCATACAATTGCTG.1_2	YUPIXEL	B 2
## GTGCATACAGATTGCT.1_2	YUPIXEL	B 4
## GTGCATAGTTCGAATC.1_2	YUPIXEL	CD4T 4
## GTGCATATCAAGCCTA.1_2	YUPIXEL	CD4T 1
## GTGCATATCACGACTA.1_2	YUPIXEL	Mono 9
## GTGCATATCGAGAACG.1_2	YUPIXEL	CD4T 2
## GTGCGGTAGAGGGATA.1_2	YUPIXEL	CD4T 1
## GTGCGGTAGCGATGAC.1_2	YUPIXEL	B 1
## GTGCGGTAGGGTGTTG.1_2	YUPIXEL	TNKT 1
## GTGCGGTGTGTCCTCT.1_2	YUPIXEL	CD4T 3
## GTGCGGTTCAAAACC.1_2	YUPIXEL	NK 3
## GTGCGGTTGCCAGCA.1_2	YUPIXEL	B 1
## GTGCTTCAGAGGTTGC.1_2	YUPIXEL	CD4T 1
## GTGCTTCAGTGACGG.1_2	YUPIXEL	B 1
## GTGCTTCCAACGCACC.1_2	YUPIXEL	CD4T 6
## GTGCTTCCAATGGAGC.1_2	YUPIXEL	B 3
## GTGCTTCGTAACGCGA.1_2	YUPIXEL	NK 2
## GTGCTTCGTCATCCCT.1_2	YUPIXEL	Mono 4
## GTGCTTCGTCTGCCAG.1_2	YUPIXEL	CD4T 7
## GTGGGTCAGCATGGCA.1_2	YUPIXEL	Mono 8
## GTGGGTCAGCCACCTG.1_2	YUPIXEL	CD4T 3
## GTGGGTCAGGAGTAGA.1_2	YUPIXEL	B 5
## GTGGGTCAGCGTCCA.1_2	YUPIXEL	Mono 8
## GTGGGTCAGTTCCCT.1_2	YUPIXEL	CD8T 3
## GTGGGTCGTAAAGTCA.1_2	YUPIXEL	NK 2
## GTGGGTCGTATGAAAC.1_2	YUPIXEL	TNKT 1
## GTGGGTCTCTTTACAC.1_2	YUPIXEL	NK 4
## GTGTGCGAGAATAGGG.1_2	YUPIXEL	Mono 1

## GTGTGCGAGGATGGTC.1_2	YUPIXEL	B 1
## GTGTGCGCAACACGCC.1_2	YUPIXEL	B 1
## GTGTGCGGTGTGCCTG.1_2	YUPIXEL	B 1
## GTGTGCGTCCGCTGTT.1_2	YUPIXEL	CD8T 3
## GTGTTAGAGCTGGAAC.1_2	YUPIXEL	Mono 5
## GTGTTAGAGTACATGA.1_2	YUPIXEL	CD4T 4
## GTGTTAGGTATGAATG.1_2	YUPIXEL	Mono 9
## GTGTTAGGTGGTTTCA.1_2	YUPIXEL	CD4T 2
## GTGTTAGGTTGATTGC.1_2	YUPIXEL	Mono 4
## GTGTTAGTCCTAGGGC.1_2	YUPIXEL	CD4T 2
## GTGTTAGTCTACCAGA.1_2	YUPIXEL	CD4T 6
## GTGTTAGTCTGCCCTA.1_2	YUPIXEL	B 3
## GTGTTAGTCTGTCCGT.1_2	YUPIXEL	CD4T 1
## GTTAAGCAGGGTTTCT.1_2	YUPIXEL	NK 4
## GTTAAGCGTAAGTGTA.1_2	YUPIXEL	CD4T 6
## GTTAAGCGTCAACATC.1_2	YUPIXEL	CD4T 6
## GTTAAGCGTCTTTCAT.1_2	YUPIXEL	B 3
## GTTAAGCTCTTGCAAT.1_2	YUPIXEL	TNKT 2
## GTTACAGAGAGTGACC.1_2	YUPIXEL	Mono 7
## GTTACAGAGATCCTGT.1_2	YUPIXEL	Mono 8
## GTTACAGCACAACTGT.1_2	YUPIXEL	CD4T 1
## GTTACAGGTAGCTTGT.1_2	YUPIXEL	Mono 8
## GTTACAGGTATCGCAT.1_2	YUPIXEL	CD4T 1
## GTTACAGGTGCAACAG.1_2	YUPIXEL	B 2
## GTTACAGGTGCAGACA.1_2	YUPIXEL	CD4T 1
## GTTACAGTCTTGTTTG.1_2	YUPIXEL	CD4T 1
## GTTCATTACGGGTGTC.1_2	YUPIXEL	CD8T 1
## GTTCATTACGGCTCAC.1_2	YUPIXEL	B 3
## GTTCATTACATAGACTC.1_2	YUPIXEL	B 1
## GTTCATTTCAGGTAAA.1_2	YUPIXEL	B 6
## GTTCATTTCATCGGAT.1_2	YUPIXEL	NK 1
## GTTCGGGAGCATGGCA.1_2	YUPIXEL	CD4T 7
## GTTCGGGCACGCGAAA.1_2	YUPIXEL	CD4T 7
## GTTCTCGAGTAGATGT.1_2	YUPIXEL	TNKT 1
## GTTCTCGCAAACCCAT.1_2	YUPIXEL	NK 1
## GTTCTCGCACTTCGAA.1_2	YUPIXEL	CD4T 3
## GTTCTCGCAGGAACGT.1_2	YUPIXEL	CD4T 6
## GTTCTCGCATGTTCCC.1_2	YUPIXEL	CD4T 4
## GTTCTCGCATTCGACA.1_2	YUPIXEL	B 6
## GTTCTCGGTCTAGCCG.1_2	YUPIXEL	CD4T 4
## GTTCTCGGTTATGTGC.1_2	YUPIXEL	CD4T 4
## GTTCTCGTCACCTCGT.1_2	YUPIXEL	NK 3
## GTTCTCGTCGGAGCAA.1_2	YUPIXEL	B 1
## GTTCTCGTCTGCAGTA.1_2	YUPIXEL	B 1
## GTTTCTAAGACAGAGA.1_2	YUPIXEL	Mono 7
## GTTTCTAAGGAGTCTG.1_2	YUPIXEL	NK 1
## GTTTCTAAGTATCTCG.1_2	YUPIXEL	Mono 5
## GTTTCTACAATAGAGT.1_2	YUPIXEL	Mono 9
## GTTTCTACACAGGCCCT.1_2	YUPIXEL	NK 4
## GTTTCTACATAGGATA.1_2	YUPIXEL	B 3
## GTTTCTAGTGAGTGAC.1_2	YUPIXEL	NK 4
## GTTTCTAGTTAGAACA.1_2	YUPIXEL	NK 1
## GTTTCTATCTCTAGGA.1_2	YUPIXEL	Mono 1
## TAAACCGAGTAGTGCG.1_2	YUPIXEL	TNKT 1

## TAAACCGCAGGTGCCT.1_2	YUPIXEL	Mono 8
## TAAACCGTCTACCTGC.1_2	YUPIXEL	B 3
## TAAACCGTCTACTATC.1_2	YUPIXEL	CD4T 1
## TAAGAGAAGAAACCAT.1_2	YUPIXEL	Mono 8
## TAAGAGACATTATCTC.1_2	YUPIXEL	CD4T 4
## TAAGAGAGTAGTGAAT.1_2	YUPIXEL	Mono 4
## TAAGAGAGTTACCGAT.1_2	YUPIXEL	CD8T 2
## TAAGAGATCACCTCA.1_2	YUPIXEL	NK 4
## TAAGAGATCACCTCGT.1_2	YUPIXEL	TNKT 1
## TAAGAGATCGGTGTCG.1_2	YUPIXEL	CD4T 1
## TAAGCGTAGGGTCTCC.1_2	YUPIXEL	Mono 8
## TAAGCGTAGGTGCTTT.1_2	YUPIXEL	Mono 8
## TAAGCGTCAAGAAAGG.1_2	YUPIXEL	Mono 9
## TAAGCGTCACCAGCAC.1_2	YUPIXEL	Mono 3
## TAAGCGTGTACAAGTA.1_2	YUPIXEL	Mono 2
## TAAGCGTGTACTTGAC.1_2	YUPIXEL	CD4T 3
## TAAGCGTGTATAGGGC.1_2	YUPIXEL	CD4T 1
## TAAGCGTTCAACACTG.1_2	YUPIXEL	CD4T 1
## TAAGCGTTCGGTTCGG.1_2	YUPIXEL	B 1
## TAAGTGCAGCGATAGC.1_2	YUPIXEL	CD4T 4
## TAAGTGCAGTCCAGGA.1_2	YUPIXEL	B 4
## TAAGTGCAGTCCCACG.1_2	YUPIXEL	B 1
## TAAGTGCCAAGCGATG.1_2	YUPIXEL	CD4T 2
## TAAGTGCCAGACGCAA.1_2	YUPIXEL	CD4T 1
## TAAGTGCGTACCGAGA.1_2	YUPIXEL	Mono 5
## TACACGAAGGTGACCA.1_2	YUPIXEL	TNKT 1
## TACACGAAGTTGAGTA.1_2	YUPIXEL	CD4T 2
## TACACGATCCAAGCCG.1_2	YUPIXEL	B 2
## TACACGATCGGAAATA.1_2	YUPIXEL	Mono 9
## TACACGATCTACGAGT.1_2	YUPIXEL	Mono 8
## TACACGATCTGTGCAA.1_2	YUPIXEL	CD4T 1
## TACAGTGAGTCCGTAT.1_2	YUPIXEL	CD4T 1
## TACAGTGGTAAAGTCA.1_2	YUPIXEL	NK 4
## TACAGTGGTTGCGTTA.1_2	YUPIXEL	CD4T 2
## TACAGTGTCCATTCTA.1_2	YUPIXEL	CD4T 2
## TACAGTGTGCAATCCA.1_2	YUPIXEL	CD4T 2
## TACCTATAGAGGTTAT.1_2	YUPIXEL	CD4T 5
## TACCTATAGCAAATCA.1_2	YUPIXEL	B 2
## TACCTATAGGTGCACA.1_2	YUPIXEL	B 2
## TACCTATAGTTGCAGG.1_2	YUPIXEL	Mono 8
## TACCTATCAAACCTAC.1_2	YUPIXEL	Mono 2
## TACCTATGTACTTAGC.1_2	YUPIXEL	CD4T 3
## TACCTATGTCTAGCGC.1_2	YUPIXEL	B 1
## TACCTATGTTGGAATC.1_2	YUPIXEL	Mono 1
## TACCTATTCTCTTGAT.1_2	YUPIXEL	NK 1
## TACCTTACAACAACCT.1_2	YUPIXEL	CD4T 3
## TACCTTACAATCGGTT.1_2	YUPIXEL	Mono 8
## TACCTTAGTTTGGCGC.1_2	YUPIXEL	CD4T 4
## TACCTTATCAACACTG.1_2	YUPIXEL	NK 1
## TACCTTATCTTGTTCAT.1_2	YUPIXEL	B 3
## TACGGATAGCCGGTAA.1_2	YUPIXEL	B 4
## TACGGATAGGATGGTC.1_2	YUPIXEL	B 1
## TACGGATAGTACACCT.1_2	YUPIXEL	CD4T 2
## TACGGATAGTGGAGAA.1_2	YUPIXEL	B 1

## TACGGATCATCCCATC.1_2	YUPIXEL	TNKT 1
## TACGGATCATTATCTC.1_2	YUPIXEL	CD4T 1
## TACGGATGTACCGAGA.1_2	YUPIXEL	CD4T 1
## TACGGATGTATGCTTG.1_2	YUPIXEL	CD4T 7
## TACGGATTCGGAACG.1_2	YUPIXEL	B 2
## TACGGGCAGTACGTTC.1_2	YUPIXEL	CD8T 1
## TACGGGCGTCATATCG.1_2	YUPIXEL	CD4T 2
## TACGGGCGTGAAATCA.1_2	YUPIXEL	B 1
## TACGGGCTCGAGCCCA.1_2	YUPIXEL	CD4T 7
## TACGGTAAGCCACCTG.1_2	YUPIXEL	B 1
## TACGGTAAGCGAAGGG.1_2	YUPIXEL	CD4T 2
## TACGGTACAATCGAAA.1_2	YUPIXEL	Mono 9
## TACGGTACAGGTGCCT.1_2	YUPIXEL	CD4T 1
## TACGGTACATAAGACA.1_2	YUPIXEL	Mono 4
## TACGGTACATGAACCT.1_2	YUPIXEL	TNKT 1
## TACGGTAGTCAAAGAT.1_2	YUPIXEL	B 2
## TACGGTATCAGGTAAA.1_2	YUPIXEL	Mono 8
## TACTCATAGCGTGAAC.1_2	YUPIXEL	B 1
## TACTCATAGTCCGGTC.1_2	YUPIXEL	CD4T 6
## TACTCATCACATCCGG.1_2	YUPIXEL	B 1
## TACTCATCATGCGCAC.1_2	YUPIXEL	CD4T 2
## TACTCATGTAGAGGAA.1_2	YUPIXEL	Mono 9
## TACTCATTCATGTAGC.1_2	YUPIXEL	B 1
## TACTCATTCCTTGCA.1_2	YUPIXEL	CD4T 1
## TACTCGCAGTAGGCCA.1_2	YUPIXEL	B 3
## TACTCGCCAAACGCGA.1_2	YUPIXEL	CD4T 3
## TACTCGCCAACACCCG.1_2	YUPIXEL	TNKT 1
## TACTCGCGTACAGTGG.1_2	YUPIXEL	CD4T 1
## TACTCGCGTCTTGCTT.1_2	YUPIXEL	CD4T 6
## TACTCGCGTTTACTCT.1_2	YUPIXEL	CD4T 3
## TACTCGCTCAGCACAT.1_2	YUPIXEL	B 3
## TACTCGCTCATAAAGG.1_2	YUPIXEL	CD4T 7
## TACTCGCTCATTCACT.1_2	YUPIXEL	CD4T 4
## TACTCGCTCCATGCTC.1_2	YUPIXEL	B 2
## TACTCGCTCCGTCATC.1_2	YUPIXEL	CD8T 3
## TACTCGCTCTTACCTA.1_2	YUPIXEL	B 2
## TACTTACCAAGGTTTC.1_2	YUPIXEL	NK 4
## TACTTACGTCCGAACC.1_2	YUPIXEL	Mono 5
## TACTTACGTTCGTTGA.1_2	YUPIXEL	TNKT 1
## TACTTGTAGAGTACAT.1_2	YUPIXEL	NK 1
## TACTTGTC AACACCTA.1_2	YUPIXEL	B 1
## TACTTGTCACCCATTC.1_2	YUPIXEL	Mono 4
## TACTTGTCACCTTCTGC.1_2	YUPIXEL	Mono 5
## TACTTGTCAGCCACCA.1_2	YUPIXEL	CD4T 4
## TACTTGTCAGGGTACA.1_2	YUPIXEL	Mono 8
## TACTTGTTGTTAAGATG.1_2	YUPIXEL	CD4T 6
## TACTTGTTTCAGAGGTG.1_2	YUPIXEL	TNKT 1
## TACTTGTTTCAGCTTAG.1_2	YUPIXEL	CD8T 2
## TACTTGTTTCATCTGCC.1_2	YUPIXEL	B 1
## TACTTGTTCCGTACAA.1_2	YUPIXEL	CD4T 1
## TAGACCAAGAGTACCG.1_2	YUPIXEL	CD4T 3
## TAGACCAAGCGCCTCA.1_2	YUPIXEL	NK 2
## TAGACCAAGTACGCGA.1_2	YUPIXEL	Mono 5
## TAGACCAGTGC GAAAC.1_2	YUPIXEL	Mono 1

## TAGACCATCAGGCCCA.1_2	YUPIXEL	NK 1
## TAGACCATCCGTCAAA.1_2	YUPIXEL	CD4T 2
## TAGACCATCTAACCGA.1_2	YUPIXEL	B 2
## TAGAGCTAGAGCCTAG.1_2	YUPIXEL	Mono 9
## TAGAGCTAGATGTGTA.1_2	YUPIXEL	Mono 5
## TAGAGCTAGTACACCT.1_2	YUPIXEL	CD4T 3
## TAGAGCTCAAATTGCC.1_2	YUPIXEL	CD4T 7
## TAGAGCTCATCGGAAG.1_2	YUPIXEL	B 3
## TAGAGCTGTCCCGACA.1_2	YUPIXEL	B 1
## TAGAGCTGTTACCGAT.1_2	YUPIXEL	NK 2
## TAGAGCTGTTCCATGA.1_2	YUPIXEL	CD4T 4
## TAGAGCTTCAGATAAG.1_2	YUPIXEL	NK 2
## TAGAGCTTCATAAAGG.1_2	YUPIXEL	B 2
## TAGAGCTTCTGGCGAC.1_2	YUPIXEL	CD4T 1
## TAGCCGGAGAGGACGG.1_2	YUPIXEL	TNKT 1
## TAGCCGGAGAGGTTAT.1_2	YUPIXEL	B 2
## TAGCCGGAGGATTCGG.1_2	YUPIXEL	Mono 5
## TAGCCGGGTGTTGGGA.1_2	YUPIXEL	B 3
## TAGCCGGTCAGAAATG.1_2	YUPIXEL	TNKT 1
## TAGCCGGTCATGTCCC.1_2	YUPIXEL	CD4T 5
## TAGCCGGTCGAATGGG.1_2	YUPIXEL	CD4T 5
## TAGGCATAGCAGACTG.1_2	YUPIXEL	B 2
## TAGGCATAGGGATCTG.1_2	YUPIXEL	B 5
## TAGGCATAGGTGCTTT.1_2	YUPIXEL	B 1
## TAGGCATCATTTGCTT.1_2	YUPIXEL	CD4T 7
## TAGGCATGTATAGGTA.1_2	YUPIXEL	B 2
## TAGGCATGTTCCATGA.1_2	YUPIXEL	CD4T 1
## TAGGCATGTTGGAGGT.1_2	YUPIXEL	CD4T 1
## TAGGCATTCCTAGTGA.1_2	YUPIXEL	CD4T 7
## TAGGCATTCGACAGCC.1_2	YUPIXEL	Mono 8
## TAGTGGTAGGTGATTA.1_2	YUPIXEL	TNKT 1
## TAGTGGTCACCTGGTG.1_2	YUPIXEL	Mono 4
## TAGTGGTCAGCCTGTG.1_2	YUPIXEL	B 3
## TAGTGGTGTAAGTTCC.1_2	YUPIXEL	B 1
## TAGTGGTGTTCCACGG.1_2	YUPIXEL	CD4T 2
## TAGTTGGCAGTTTACG.1_2	YUPIXEL	Mono 8
## TAGTTGGCATGGTCTA.1_2	YUPIXEL	CD4T 3
## TAGTTGGGTTTAAGCC.1_2	YUPIXEL	Mono 4
## TAGTTGGTCTTGCCGT.1_2	YUPIXEL	Mono 3
## TATCAGGCACAGATTC.1_2	YUPIXEL	CD4T 7
## TATCAGGGTATCACCA.1_2	YUPIXEL	B 3
## TATCTCAGTTCTGAAC.1_2	YUPIXEL	B 5
## TATCTCATCACAGGCC.1_2	YUPIXEL	CD4T 3
## TATCTCATCTGAGTGT.1_2	YUPIXEL	CD4T 3
## TATGCCCGTCTTTCAT.1_2	YUPIXEL	TNKT 2
## TATGCCCTCACATGCA.1_2	YUPIXEL	CD4T 3
## TATTACCAGACTTTTCG.1_2	YUPIXEL	NK 3
## TATTACCAGTCGTTTG.1_2	YUPIXEL	CD8T 1
## TATTACCCACGTTGGC.1_2	YUPIXEL	B 1
## TATTACCTCTGTTGAG.1_2	YUPIXEL	CD4T 1
## TCAACGACACCAGGCT.1_2	YUPIXEL	Mono 8
## TCAACGACACTAAGTC.1_2	YUPIXEL	CD4T 1
## TCAACGACAGTTTACG.1_2	YUPIXEL	B 2
## TCAATCTAGGGAAACA.1_2	YUPIXEL	CD4T 3

## TCAATCTAGTACACCT.1_2	YUPIXEL	CD4T 6
## TCAATCTAGTACGTAA.1_2	YUPIXEL	B 6
## TCAATCTGTAATCACC.1_2	YUPIXEL	NK 3
## TCAATCTGTAGCCTAT.1_2	YUPIXEL	CD8T 1
## TCAATCTGTCGCGGTT.1_2	YUPIXEL	CD4T 6
## TCAATCTTCTATGTGG.1_2	YUPIXEL	CD4T 3
## TCAATCTTCTCCTATA.1_2	YUPIXEL	CD4T 3
## TCACAAGAGACTAAGT.1_2	YUPIXEL	CD4T 3
## TCACAAGCATTGAGCT.1_2	YUPIXEL	CD4T 4
## TCACAAGGTAGCAAAT.1_2	YUPIXEL	Mono 4
## TCACAAGGTCAAAGAT.1_2	YUPIXEL	TNKT 1
## TCACAAGGTGAGTGAC.1_2	YUPIXEL	CD4T 3
## TCACAAGTCATCTGCC.1_2	YUPIXEL	B 3
## TCACAAGTCCACTGGG.1_2	YUPIXEL	CD4T 3
## TCACAAGTCTATGTGG.1_2	YUPIXEL	CD4T 4
## TCACAAGTCTCCAACC.1_2	YUPIXEL	B 1
## TCACGAACACAGGAGT.1_2	YUPIXEL	TNKT 1
## TCACGAACATCGGAAG.1_2	YUPIXEL	CD4T 1
## TCACGAACATTTGCC.1_2	YUPIXEL	CD4T 4
## TCACGAAGTACTCGCG.1_2	YUPIXEL	B 2
## TCACGAAGTATAGGGC.1_2	YUPIXEL	CD4T 1
## TCACGAAGTATAGTAG.1_2	YUPIXEL	CD4T 3
## TCACGAAGTTTGGCGC.1_2	YUPIXEL	CD4T 1
## TCACGAATCCCTTGTTG.1_2	YUPIXEL	Mono 1
## TCACGAATCCTAGAAC.1_2	YUPIXEL	Mono 9
## TCACGAATCTCTAAGG.1_2	YUPIXEL	CD4T 3
## TCAGATGCACCACCAG.1_2	YUPIXEL	B 4
## TCAGATGCACGGTGTG.1_2	YUPIXEL	Mono 4
## TCAGATGCAGCTGCTG.1_2	YUPIXEL	NK 3
## TCAGATGCAGTCAGAG.1_2	YUPIXEL	NK 2
## TCAGATGCATCACAAC.1_2	YUPIXEL	B 1
## TCAGATGCATCGGGTC.1_2	YUPIXEL	Mono 8
## TCAGATGGTCCGACGT.1_2	YUPIXEL	CD8T 3
## TCAGATGGTTTGCATG.1_2	YUPIXEL	CD4T 4
## TCAGATGTCAGTTAGC.1_2	YUPIXEL	NK 4
## TCAGATGTCCAACCAA.1_2	YUPIXEL	Mono 4
## TCAGATGTGCGACTCT.1_2	YUPIXEL	CD4T 3
## TCAGCAAAGTACGATA.1_2	YUPIXEL	B 2
## TCAGCAACATCATCCC.1_2	YUPIXEL	TNKT 1
## TCAGCAAGTAAGGATT.1_2	YUPIXEL	CD4T 5
## TCAGCAAGTCGGGTCT.1_2	YUPIXEL	CD4T 1
## TCAGCAATCGCACTCT.1_2	YUPIXEL	CD4T 1
## TCAGCAATCGCCATAA.1_2	YUPIXEL	NK 1
## TCAGCAATCGCCCTTA.1_2	YUPIXEL	B 2
## TCAGCAATCTACTATC.1_2	YUPIXEL	CD4T 2
## TCAGCAATCTCCAGGG.1_2	YUPIXEL	NK 3
## TCAGCTCAGAGTCGGT.1_2	YUPIXEL	Mono 8
## TCAGCTCAGGAGTACC.1_2	YUPIXEL	B 1
## TCAGCTCAGGTAGCCA.1_2	YUPIXEL	B 1
## TCAGCTCCAACTTGAC.1_2	YUPIXEL	CD4T 2
## TCAGCTCGTAATCACC.1_2	YUPIXEL	CD4T 3
## TCAGCTCGTCCGAACC.1_2	YUPIXEL	CD4T 3
## TCAGCTCGTCTGATCA.1_2	YUPIXEL	B 2
## TCAGCTCTCATACGGT.1_2	YUPIXEL	CD4T 7

## TCAGGATAGGATGGAA.1_2	YUPIXEL	CD4T 4
## TCAGGATCAAGTTAAG.1_2	YUPIXEL	NK 4
## TCAGGATCACGGTAAG.1_2	YUPIXEL	TNKT 1
## TCAGGATCAGCTCGCA.1_2	YUPIXEL	Mono 1
## TCAGGATGTATAGGGC.1_2	YUPIXEL	NK 4
## TCAGGATGTCCCGACA.1_2	YUPIXEL	CD4T 2
## TCAGGTACAAGGACAC.1_2	YUPIXEL	NK 1
## TCAGGTAGTAGATTAG.1_2	YUPIXEL	NK 1
## TCAGGTAGTAGTAGTA.1_2	YUPIXEL	CD8T 1
## TCAGGTAGTCCTCTTG.1_2	YUPIXEL	NK 4
## TCAGGTATCCTTAATC.1_2	YUPIXEL	Mono 8
## TCAGGTATCGCCTGTT.1_2	YUPIXEL	CD4T 1
## TCATTACAGATATGGT.1_2	YUPIXEL	CD4T 6
## TCATTACAGCGAGAAA.1_2	YUPIXEL	Mono 7
## TCATTACAGGACACCA.1_2	YUPIXEL	Mono 9
## TCATTACCACCTCGTT.1_2	YUPIXEL	NK 4
## TCATTACCACTTGGAT.1_2	YUPIXEL	B 1
## TCATTACCAGCCTATA.1_2	YUPIXEL	Mono 9
## TCATTACCATCGGTTA.1_2	YUPIXEL	Mono 4
## TCATTACGTATATGAG.1_2	YUPIXEL	CD4T 6
## TCATTACTCAATCACG.1_2	YUPIXEL	B 3
## TCATTACTCTAGAGTC.1_2	YUPIXEL	CD8T 2
## TCATTACTCTGTTGAG.1_2	YUPIXEL	B 4
## TCATTACTCTTGATC.1_2	YUPIXEL	TNKT 1
## TCATTTGAGACCGGAT.1_2	YUPIXEL	Mono 2
## TCATTTGAGCAACGGT.1_2	YUPIXEL	Mono 8
## TCATTTGAGGACAGCT.1_2	YUPIXEL	CD4T 6
## TCATTTGGTCATATCG.1_2	YUPIXEL	NK 3
## TCATTTGGTCCAGTAT.1_2	YUPIXEL	CD4T 1
## TCATTTGTCCTACAGA.1_2	YUPIXEL	TNKT 1
## TCCACACAGAACTCGG.1_2	YUPIXEL	B 3
## TCCACACAGATACACA.1_2	YUPIXEL	Mono 5
## TCCACACAGATCGATA.1_2	YUPIXEL	Mono 8
## TCCACACAGCTCCTTC.1_2	YUPIXEL	CD4T 1
## TCCACACAGGCTATCT.1_2	YUPIXEL	Mono 8
## TCCACACCAAGTTGTC.1_2	YUPIXEL	CD4T 4
## TCCACACCAGCTGTTA.1_2	YUPIXEL	TNKT 2
## TCCACACGTAGAAGGA.1_2	YUPIXEL	TNKT 1
## TCCACACGTGCGAAAC.1_2	YUPIXEL	CD4T 3
## TCCCACTCAGTGCAT.1_2	YUPIXEL	NK 1
## TCCCACTCATACGGT.1_2	YUPIXEL	B 3
## TCCCACTCCAGAAGG.1_2	YUPIXEL	NK 1
## TCCCACTCCGGCACA.1_2	YUPIXEL	CD4T 6
## TCCCACTCTTGAGAC.1_2	YUPIXEL	CD4T 7
## TCCCGATTCAAGGCTT.1_2	YUPIXEL	CD4T 1
## TCCCGATTGGCGGTT.1_2	YUPIXEL	B 5
## TCCCGATTCTACTCAT.1_2	YUPIXEL	Mono 5
## TCGAGGCTCTGCCCTA.1_2	YUPIXEL	B 3
## TCGCGAGAGAGCTTCT.1_2	YUPIXEL	B 1
## TCGCGAGAGCGAGAAA.1_2	YUPIXEL	CD4T 3
## TCGCGAGCATAGAAAC.1_2	YUPIXEL	TNKT 1
## TCGCGAGCATGTTGAC.1_2	YUPIXEL	NK 4
## TCGCGAGGTCAAAGCG.1_2	YUPIXEL	CD4T 1
## TCGCGAGTCTAAGCCA.1_2	YUPIXEL	CD4T 2

## TCGCGAGTCTTGTATC.1_2	YUPIXEL	B 1
## TCGCGTTAGGAGTCTG.1_2	YUPIXEL	Mono 7
## TCGCGTTCAAATACAG.1_2	YUPIXEL	CD4T 1
## TCGCGTTCACCAGGCT.1_2	YUPIXEL	B 3
## TCGCGTTTCCAAGTAC.1_2	YUPIXEL	CD4T 2
## TCGCGTTTCCCAACGG.1_2	YUPIXEL	B 4
## TCGCGTTTCCCACTTG.1_2	YUPIXEL	CD8T 2
## TCGCGTTTCCTCCTAG.1_2	YUPIXEL	B 3
## TCGGGACCAAACAACA.1_2	YUPIXEL	CD4T 6
## TCGGGACCACCAGTTA.1_2	YUPIXEL	CD4T 5
## TCGGGACCAGTCGATT.1_2	YUPIXEL	CD8T 1
## TCGGGACGTCGCGAAA.1_2	YUPIXEL	Mono 8
## TCGGGACGTTTAGGAA.1_2	YUPIXEL	Mono 8
## TCGGGACTCCTTCAAT.1_2	YUPIXEL	B 2
## TCGGTAAGTTGAGAT.1_2	YUPIXEL	Mono 4
## TCGGTAACACGGTAGA.1_2	YUPIXEL	TNKT 2
## TCGGTAACATGTAGTC.1_2	YUPIXEL	CD8T 1
## TCGGTAAGTATCACCA.1_2	YUPIXEL	Mono 3
## TCGGTAAGTCGCATCG.1_2	YUPIXEL	CD4T 5
## TCGGTAAGTGGTACAG.1_2	YUPIXEL	Mono 8
## TCGGTAAGTTACGCGC.1_2	YUPIXEL	NK 2
## TCGGTAAGTTGAACTC.1_2	YUPIXEL	B 3
## TCGGTAATCACTTATC.1_2	YUPIXEL	CD4T 4
## TCGGTAATCCGCGGTA.1_2	YUPIXEL	NK 4
## TCGGTAATCCTTTCTC.1_2	YUPIXEL	CD8T 3
## TCGGTAATCTATCCTA.1_2	YUPIXEL	B 1
## TCGTACCAGCTCCTTC.1_2	YUPIXEL	NK 2
## TCGTACCAGCTGTTCA.1_2	YUPIXEL	B 1
## TCGTACCAGCTACGA.1_2	YUPIXEL	NK 2
## TCGTACCAGTAGGCCA.1_2	YUPIXEL	CD4T 6
## TCGTACCAGTTCGCGC.1_2	YUPIXEL	B 1
## TCGTACCCAAAGGTGC.1_2	YUPIXEL	CD8T 1
## TCGTACCCAATAGAGT.1_2	YUPIXEL	CD4T 3
## TCGTACCCACATCTTT.1_2	YUPIXEL	CD4T 3
## TCGTACCCACGTCTCT.1_2	YUPIXEL	Mono 8
## TCGTACCCATAGAAAC.1_2	YUPIXEL	CD4T 3
## TCGTACCGTAAGTGTA.1_2	YUPIXEL	NK 1
## TCGTACCGTCCGACGT.1_2	YUPIXEL	B 1
## TCGTACCGTCGAGTTT.1_2	YUPIXEL	CD4T 1
## TCGTACCGTGAGGCTA.1_2	YUPIXEL	CD4T 3
## TCGTACCGTGCCTGCA.1_2	YUPIXEL	CD4T 2
## TCGTACCTCCTGCCAT.1_2	YUPIXEL	Mono 7
## TCGTAGAAGAGCTATA.1_2	YUPIXEL	CD4T 4
## TCGTAGAAGATCCCAT.1_2	YUPIXEL	Mono 8
## TCGTAGACAAACTGCT.1_2	YUPIXEL	NK 1
## TCGTAGACAGCTGTTA.1_2	YUPIXEL	Mono 8
## TCGTAGACATCCAACA.1_2	YUPIXEL	Mono 5
## TCGTAGACATGGGAAC.1_2	YUPIXEL	CD4T 6
## TCGTAGATCCCTCTTT.1_2	YUPIXEL	B 1
## TCGTAGATCTACTCAT.1_2	YUPIXEL	CD4T 1
## TCGTAGATCTCCAACC.1_2	YUPIXEL	CD8T 1
## TCTATTGAGCGTTGCC.1_2	YUPIXEL	CD4T 3
## TCTATTGAGTACATGA.1_2	YUPIXEL	TNKT 1
## TCTATTGAGTGTCCAT.1_2	YUPIXEL	NK 1

## TCTATTGCACGGCTAC.1_2	YUPIXEL	CD4T 6
## TCTATTGGTACTCTCC.1_2	YUPIXEL	NK 1
## TCTATTGGTAGCGTAG.1_2	YUPIXEL	NK 1
## TCTATTGGTCCAAGTT.1_2	YUPIXEL	Mono 5
## TCTATTGGTGACCAAG.1_2	YUPIXEL	CD4T 6
## TCTATTGTCCGCAAGC.1_2	YUPIXEL	B 1
## TCTATTGTCTGACCGG.1_2	YUPIXEL	B 1
## TCTATTGTCTCCAACC.1_2	YUPIXEL	B 3
## TCTCATAAGGCCCTCA.1_2	YUPIXEL	B 2
## TCTCATACACACCGCA.1_2	YUPIXEL	TNKT 1
## TCTCATACATTGGGCC.1_2	YUPIXEL	B 1
## TCTCATAGTACCATCA.1_2	YUPIXEL	CD4T 3
## TCTCATAGTAGATTAG.1_2	YUPIXEL	Mono 4
## TCTCATAGTAGCGATG.1_2	YUPIXEL	B 2
## TCTCATAGTCATTAGC.1_2	YUPIXEL	B 2
## TCTCATAGTGTAACGG.1_2	YUPIXEL	TNKT 1
## TCTCATATCAAACCAC.1_2	YUPIXEL	CD4T 4
## TCTCTAAAGATGTCGG.1_2	YUPIXEL	CD4T 1
## TCTCTAACACCAGTTA.1_2	YUPIXEL	Mono 8
## TCTCTAACAGACAAAT.1_2	YUPIXEL	TNKT 1
## TCTCTAAGTCTTCTCG.1_2	YUPIXEL	CD4T 4
## TCTCTAAGTGGCTCCA.1_2	YUPIXEL	TNKT 1
## TCTCTAAGTGTGAAAT.1_2	YUPIXEL	Mono 2
## TCTCTAAGTTCCCGAG.1_2	YUPIXEL	B 3
## TCTCTAATCGAACTGT.1_2	YUPIXEL	TNKT 1
## TCTCTAATCGTCTGAA.1_2	YUPIXEL	B 1
## TCTGAGAAGGATGGTC.1_2	YUPIXEL	Mono 8
## TCTGAGAAGTTGTCTG.1_2	YUPIXEL	NK 2
## TCTGAGAGTATTACCG.1_2	YUPIXEL	NK 2
## TCTGAGATCGTTACAG.1_2	YUPIXEL	B 4
## TCTGAGATCTGTCTCG.1_2	YUPIXEL	CD4T 4
## TCTGGAAAGGTGACCA.1_2	YUPIXEL	Mono 2
## TCTGGAAGTAAAGGAG.1_2	YUPIXEL	NK 4
## TCTGGAAGTCTGATCA.1_2	YUPIXEL	CD4T 1
## TCTGGAAGTGCAACGA.1_2	YUPIXEL	CD4T 4
## TCTGGAAGTTCTGAAC.1_2	YUPIXEL	B 1
## TCTGGAATCAGAGCTT.1_2	YUPIXEL	NK 3
## TCTTCGGGTCCAATA.1_2	YUPIXEL	CD4T 1
## TCTTCGGTCCGCGCAA.1_2	YUPIXEL	CD4T 2
## TCTTCGGTCTGATACG.1_2	YUPIXEL	Mono 8
## TCTTTCCAGAAGAAGC.1_2	YUPIXEL	Mono 9
## TCTTTCCAGACTCGGA.1_2	YUPIXEL	NK 3
## TCTTTCCCAGCCAATT.1_2	YUPIXEL	CD8T 2
## TCTTTCCCTACGATGT.1_2	YUPIXEL	Mono 8
## TCTTTCCCTACTGGGC.1_2	YUPIXEL	NK 4
## TCTTTCCCTCAGGCCCA.1_2	YUPIXEL	Mono 9
## TCTTTCCCTCCACGAAT.1_2	YUPIXEL	CD4T 1
## TCTTTCCCTCTACTATC.1_2	YUPIXEL	B 1
## TGAAAGAAGGAGTACC.1_2	YUPIXEL	CD8T 2
## TGAAAGAAGTACGATA.1_2	YUPIXEL	Mono 8
## TGAAAGAGTAACGACG.1_2	YUPIXEL	CD4T 2
## TGAAAGAGTCTACCTC.1_2	YUPIXEL	CD4T 2
## TGAAAGAGTGCCTGGT.1_2	YUPIXEL	B 4
## TGACAACCACCAGATT.1_2	YUPIXEL	CD4T 7

## TGACAACCAGGGCATA.1_2	YUPIXEL	CD4T 1
## TGACAACCATCACAAC.1_2	YUPIXEL	CD4T 1
## TGACAACGTCAGATAA.1_2	YUPIXEL	B 3
## TGACGGCAGATCCCGC.1_2	YUPIXEL	CD4T 7
## TGACGGCCACTTAACG.1_2	YUPIXEL	CD4T 7
## TGACGGCCATTGCGGC.1_2	YUPIXEL	B 1
## TGACGGCGTAACGACG.1_2	YUPIXEL	B 1
## TGACGGCGTACCGTAT.1_2	YUPIXEL	CD4T 1
## TGACGGCGTGATAAAC.1_2	YUPIXEL	B 1
## TGACGGCGTGGGTATG.1_2	YUPIXEL	CD4T 1
## TGACGGCGTCCACAA.1_2	YUPIXEL	B 1
## TGACGGCTCAGTCCCT.1_2	YUPIXEL	NK 3
## TGACGGCTCTATCGCC.1_2	YUPIXEL	CD4T 1
## TGACGGCTCTCTGTCTG.1_2	YUPIXEL	CD4T 6
## TGACGGCTCTTAACCT.1_2	YUPIXEL	CD4T 1
## TGACGGCTCTTCCTTC.1_2	YUPIXEL	B 1
## TGACTAGAGGCAGTCA.1_2	YUPIXEL	CD4T 2
## TGACTAGGTAAGTAGT.1_2	YUPIXEL	Mono 5
## TGACTAGGTATGGTTC.1_2	YUPIXEL	CD8T 1
## TGACTAGGTCAGTGGA.1_2	YUPIXEL	CD4T 3
## TGACTAGGTTCTGAAC.1_2	YUPIXEL	B 3
## TGACTAGTCGCGTAGC.1_2	YUPIXEL	CD4T 2
## TGACTTTTACCACCAG.1_2	YUPIXEL	B 1
## TGACTTTGTTCAGCGC.1_2	YUPIXEL	B 1
## TGACTTTGTTTAGGAA.1_2	YUPIXEL	B 1
## TGACTTTTTCAGTACGT.1_2	YUPIXEL	Mono 5
## TGACTTTTCCATGCTC.1_2	YUPIXEL	CD8T 2
## TGAGAGGAGACCACGA.1_2	YUPIXEL	CD4T 1
## TGAGAGGAGAGTAATC.1_2	YUPIXEL	B 1
## TGAGAGGAGGCCCTTG.1_2	YUPIXEL	NK 4
## TGAGAGGCATGACATC.1_2	YUPIXEL	B 1
## TGAGAGGGTCCCGACA.1_2	YUPIXEL	CD4T 4
## TGAGAGGTCTCTGCTG.1_2	YUPIXEL	NK 1
## TGAGCATAGATGTGGC.1_2	YUPIXEL	CD4T 1
## TGAGCATAGTCATGCT.1_2	YUPIXEL	CD4T 4
## TGAGCATGTCGCTTTC.1_2	YUPIXEL	CD4T 5
## TGAGCATTCCTGCTTG.1_2	YUPIXEL	NK 2
## TGAGCATTCTATCGCC.1_2	YUPIXEL	CD4T 7
## TGAGCCGTCTCGCTTG.1_2	YUPIXEL	CD4T 1
## TGAGGGACATCGACGC.1_2	YUPIXEL	CD4T 3
## TGAGGGACATGTCGAT.1_2	YUPIXEL	CD4T 2
## TGAGGGAGTCAAATC.1_2	YUPIXEL	CD4T 2
## TGAGGGATCTACCAGA.1_2	YUPIXEL	Mono 2
## TGATTTTCAGCACGCC.1_2	YUPIXEL	CD4T 6
## TGATTTTCAGTTACGGG.1_2	YUPIXEL	NK 1
## TGATTTTCCACTACAGT.1_2	YUPIXEL	Mono 5
## TGATTTTCCAGCAGTTT.1_2	YUPIXEL	B 1
## TGATTTTCCAGCATACT.1_2	YUPIXEL	Mono 2
## TGATTTTCCATCCGTGG.1_2	YUPIXEL	CD4T 1
## TGATTTTCGTCCTGCTT.1_2	YUPIXEL	NK 1
## TGCACCTAGAGTACCG.1_2	YUPIXEL	CD4T 2
## TGCACCTAGCGTTTAC.1_2	YUPIXEL	Mono 5
## TGCACCTCAAGCTGGA.1_2	YUPIXEL	CD4T 7
## TGCACCTCACCAGATT.1_2	YUPIXEL	CD4T 7

## TGCACCTCAGGGTACA.1_2	YUPIXEL	CD4T 6
## TGCACCTGTTTCAGACT.1_2	YUPIXEL	B 1
## TGCACCTTCAGCTCTC.1_2	YUPIXEL	Mono 2
## TGCACCTTCCTAAGTG.1_2	YUPIXEL	TNKT 1
## TGCACCTTCGGACAAG.1_2	YUPIXEL	B 2
## TGCACCTTCTCACATT.1_2	YUPIXEL	CD4T 4
## TGCCAAACAGGAATGC.1_2	YUPIXEL	B 1
## TGCCAAACATCACGAT.1_2	YUPIXEL	NK 1
## TGCCAAAGTATAGGTA.1_2	YUPIXEL	Mono 8
## TGCCCATAGATACACA.1_2	YUPIXEL	NK 4
## TGCCCATAGGCCCTCA.1_2	YUPIXEL	CD8T 1
## TGCCCATCATCCTTGC.1_2	YUPIXEL	Mono 4
## TGCCCATGTGAAAGAG.1_2	YUPIXEL	CD4T 6
## TGCCCATGTGACTACT.1_2	YUPIXEL	Mono 3
## TGCCCATGTGCTCTTC.1_2	YUPIXEL	Mono 3
## TGCCCATTCATGCTCC.1_2	YUPIXEL	Mono 7
## TGCCCTAAGCCCAGCT.1_2	YUPIXEL	NK 1
## TGCCCTAAGGAGTACC.1_2	YUPIXEL	Mono 3
## TGCCCTAAGGTGTGGT.1_2	YUPIXEL	CD4T 2
## TGCCCTAGTCACCTAA.1_2	YUPIXEL	Mono 9
## TGCCCTAGTGCACGAA.1_2	YUPIXEL	B 2
## TGCCCTATCAACTCTT.1_2	YUPIXEL	Mono 4
## TGCCCTATCGGCTTGG.1_2	YUPIXEL	CD4T 7
## TGCGCAGAGGTGGGTT.1_2	YUPIXEL	Mono 9
## TGCGCAGAGTTACCCA.1_2	YUPIXEL	B 3
## TGCGCAGCAAGAGTCG.1_2	YUPIXEL	Mono 9
## TGCGCAGCAGACAAAT.1_2	YUPIXEL	Mono 4
## TGCGCAGCATCATCCC.1_2	YUPIXEL	B 1
## TGCGCAGCATGGATGG.1_2	YUPIXEL	Mono 9
## TGCGCAGCATGTCTCC.1_2	YUPIXEL	B 1
## TGCGCAGGTAGCGTCC.1_2	YUPIXEL	CD4T 1
## TGCGCAGTCTCGTTTA.1_2	YUPIXEL	Mono 4
## TGCGGGTCAAGCCATT.1_2	YUPIXEL	B 3
## TGCGGGTCATAGAAAC.1_2	YUPIXEL	B 4
## TGCGGGTGTAACGCG.1_2	YUPIXEL	Mono 8
## TGCGGGTGTCAGAATA.1_2	YUPIXEL	B 1
## TGCGGGTGTCACCTTA.1_2	YUPIXEL	Mono 5
## TGCGGGTGTTACCTC.1_2	YUPIXEL	Mono 9
## TGCGGGTGTTCAGGCC.1_2	YUPIXEL	Mono 3
## TGCGTGGAGCTGATAA.1_2	YUPIXEL	Mono 1
## TGCGTGGAGTGGAGTC.1_2	YUPIXEL	CD8T 3
## TGCGTGGCACAGGTTT.1_2	YUPIXEL	B 1
## TGCGTGGCAGTCGATT.1_2	YUPIXEL	TNKT 1
## TGCGTGGGTACTGAC.1_2	YUPIXEL	CD4T 3
## TGCGTGGTCAATAAGG.1_2	YUPIXEL	CD4T 5
## TGCGTGGTCCGAAGAG.1_2	YUPIXEL	B 3
## TGCGTGGTCTGGTATG.1_2	YUPIXEL	B 1
## TGCTACCAGACTTGAA.1_2	YUPIXEL	Mono 1
## TGCTACCAGCGAGAAA.1_2	YUPIXEL	CD4T 2
## TGCTACCAGGAATTAC.1_2	YUPIXEL	CD4T 1
## TGCTACCCAGTGAGTG.1_2	YUPIXEL	B 1
## TGCTACCCATACGCCG.1_2	YUPIXEL	B 1
## TGCTACCGTAATTGGA.1_2	YUPIXEL	Mono 8
## TGCTACCGTATGAAAC.1_2	YUPIXEL	CD4T 2

## TGCTACCTCTGGTATG.1_2	YUPIXEL	Mono 9
## TGCTACCTCTGTTTG.1_2	YUPIXEL	B 4
## TGCTGCTAGGATTCGG.1_2	YUPIXEL	CD8T 1
## TGCTGCTCAGGGCATA.1_2	YUPIXEL	Mono 4
## TGCTGCTCATGCCTTC.1_2	YUPIXEL	NK 2
## TGCTGCTTCACGATGT.1_2	YUPIXEL	B 3
## TGGACGCAGCGATTCT.1_2	YUPIXEL	Mono 5
## TGGACGCGTACATGTC.1_2	YUPIXEL	CD4T 1
## TGGACGCGTACGCTGC.1_2	YUPIXEL	Mono 7
## TGGACGCGTGACTION.1_2	YUPIXEL	B 3
## TGGACGCGTTACGTCA.1_2	YUPIXEL	Mono 9
## TGGACGCTCAGAAATG.1_2	YUPIXEL	Mono 1
## TGGCCAGAGGGAAACA.1_2	YUPIXEL	CD4T 3
## TGGCCAGAGTGTCAT.1_2	YUPIXEL	CD4T 1
## TGGCCAGCAAACGCGA.1_2	YUPIXEL	B 1
## TGGCCAGGTAATCACC.1_2	YUPIXEL	Mono 8
## TGGCCAGGTCGCATCG.1_2	YUPIXEL	NK 3
## TGGCCAGGTGCAACTT.1_2	YUPIXEL	NK 2
## TGGCCAGTCAGCTCTC.1_2	YUPIXEL	Mono 1
## TGGCCAGTCCTTCAAT.1_2	YUPIXEL	NK 2
## TGGCCAGTCTGATACG.1_2	YUPIXEL	B 1
## TGGCCAGTCTTCGGTC.1_2	YUPIXEL	CD4T 2
## TGGCGCAAGTCTCGGC.1_2	YUPIXEL	CD4T 3
## TGGCGCACACCTCGGA.1_2	YUPIXEL	CD4T 6
## TGGCGCAGTGAGGCTA.1_2	YUPIXEL	Mono 5
## TGGCGCAGTTGGGACA.1_2	YUPIXEL	Mono 8
## TGGCGCATCTACGAGT.1_2	YUPIXEL	NK 4
## TGGCGCATCTGCCAGG.1_2	YUPIXEL	CD4T 1
## TGGCGCATCTTGAGAC.1_2	YUPIXEL	TNKT 1
## TGGCTGGAGAATTGTG.1_2	YUPIXEL	B 2
## TGGCTGGAGTGGAGAA.1_2	YUPIXEL	CD4T 3
## TGGCTGGCAATCTGCA.1_2	YUPIXEL	B 2
## TGGCTGGGTAGGGACT.1_2	YUPIXEL	NK 1
## TGGCTGGTCGCCATAA.1_2	YUPIXEL	Mono 9
## TGGCTGGTCTTGGGTA.1_2	YUPIXEL	CD4T 1
## TGGGAAGAGTTGAGTA.1_2	YUPIXEL	TNKT 1
## TGGGAAGCAAAGGAAG.1_2	YUPIXEL	NK 1
## TGGGAAGCAATGACCT.1_2	YUPIXEL	CD4T 7
## TGGGAAGGTATGAAAC.1_2	YUPIXEL	B 1
## TGGGAAGGTTCTGTTT.1_2	YUPIXEL	Mono 8
## TGGGAAGTCCCTTGCA.1_2	YUPIXEL	CD4T 1
## TGGGCGTAGCTAACAA.1_2	YUPIXEL	Mono 9
## TGGGCGTCAAGCTGGA.1_2	YUPIXEL	Mono 2
## TGGGCGTCACGTCAGC.1_2	YUPIXEL	Mono 7
## TGGGCGTCAGCATGAG.1_2	YUPIXEL	CD4T 3
## TGGGCGTGATCGCAT.1_2	YUPIXEL	B 1
## TGGGCGTGTGAGATG.1_2	YUPIXEL	B 1
## TGGGCGTTCAACCAAC.1_2	YUPIXEL	Mono 5
## TGGTTAGAGTAACCCT.1_2	YUPIXEL	Mono 4
## TGGTTAGGTCCATCCT.1_2	YUPIXEL	Mono 8
## TGGTTAGTCACTCTTA.1_2	YUPIXEL	B 2
## TGGTTAGTCAGTTGAC.1_2	YUPIXEL	Mono 5
## TGGTTAGTCTGTCTAT.1_2	YUPIXEL	NK 2
## TGGTTCCAGTCAAGCG.1_2	YUPIXEL	B 2

## TGGTTCCAGTGTTC.1_2	YUPIXEL	B 6
## TGGTTCCCAAATTGCC.1_2	YUPIXEL	B 2
## TGGTTCCGTATTCTCT.1_2	YUPIXEL	NK 3
## TGGTTCCGTCTCGTTC.1_2	YUPIXEL	CD4T 4
## TGGTTCCGTGCGAAAC.1_2	YUPIXEL	B 2
## TGGTTCCGTATGTGC.1_2	YUPIXEL	B 2
## TGGTTCCTCAGAGCTT.1_2	YUPIXEL	B 1
## TGGTTCCTCAGCAACT.1_2	YUPIXEL	CD4T 7
## TGGTTCCTCTCAAACG.1_2	YUPIXEL	CD4T 6
## TGTATTCAGCCAGTTT.1_2	YUPIXEL	CD4T 3
## TGTATTCAGTACGCGA.1_2	YUPIXEL	CD4T 1
## TGTATTCAGTGGTAGC.1_2	YUPIXEL	CD4T 7
## TGTATTCCAACACCCG.1_2	YUPIXEL	Mono 5
## TGTATTCCACATCCGG.1_2	YUPIXEL	CD4T 1
## TGTATTCCAGGACGTA.1_2	YUPIXEL	TNKT 1
## TGTATTCGTATATGAG.1_2	YUPIXEL	CD4T 1
## TGTATTCGTCAGAAGC.1_2	YUPIXEL	CD4T 2
## TGTATTCGTCATATGC.1_2	YUPIXEL	Mono 8
## TGTATTCGTTGAGGTG.1_2	YUPIXEL	CD4T 1
## TGTATTCTCATAGCAC.1_2	YUPIXEL	Mono 8
## TGTATTCTCCGCGCAA.1_2	YUPIXEL	Mono 2
## TGTATTCTCGAGAACG.1_2	YUPIXEL	Mono 9
## TGTATTCTCGCCTGAG.1_2	YUPIXEL	CD4T 4
## TGTCCCAAGAGAACAG.1_2	YUPIXEL	CD4T 6
## TGTCCCACAAGTTGTC.1_2	YUPIXEL	B 1
## TGTCCCACATGGTCTA.1_2	YUPIXEL	CD4T 1
## TGTCCCAGTAATCGTC.1_2	YUPIXEL	B 5
## TGTCCCAGTTGGTGA.1_2	YUPIXEL	CD4T 5
## TGTGGTAAGAAGAAGC.1_2	YUPIXEL	B 3
## TGTGGTACAAACCCAT.1_2	YUPIXEL	CD4T 1
## TGTGGTACAATCAGAA.1_2	YUPIXEL	B 3
## TGTGGTACAATGTTGC.1_2	YUPIXEL	NK 2
## TGTGGTACAGCGTCCA.1_2	YUPIXEL	CD4T 3
## TGTGGTAGTATAGGTA.1_2	YUPIXEL	CD4T 3
## TGTGGTAGTCAGCTAT.1_2	YUPIXEL	B 3
## TGTGGTAGTGTGCCTG.1_2	YUPIXEL	CD4T 2
## TGTGTTTAGCCAACAG.1_2	YUPIXEL	Mono 5
## TGTGTTTAGTGCTGCC.1_2	YUPIXEL	B 1
## TGTGTTTAGTTGCAGG.1_2	YUPIXEL	CD4T 1
## TGTGTTTACGGCTAC.1_2	YUPIXEL	Mono 4
## TGTGTTTACAGGAATGC.1_2	YUPIXEL	CD4T 5
## TGTGTTTCATGCCTTC.1_2	YUPIXEL	Mono 8
## TGTGTTTGTCCCGACA.1_2	YUPIXEL	B 5
## TGTTCGAGATGCCAG.1_2	YUPIXEL	Mono 9
## TGTTCGAGCGCCTCA.1_2	YUPIXEL	TNKT 1
## TGTTCGAGGCAGTCA.1_2	YUPIXEL	CD8T 1
## TGTTCGCAAGCTGAG.1_2	YUPIXEL	CD4T 2
## TGTTCGCAACAACGCC.1_2	YUPIXEL	B 1
## TGTTCGCAATCGGACC.1_2	YUPIXEL	Mono 9
## TGTTCGCTCCCTCTTT.1_2	YUPIXEL	NK 4
## TGTTCGCTCTGCCAGG.1_2	YUPIXEL	NK 1
## TTAAGTCAGTATCGAA.1_2	YUPIXEL	CD4T 1
## TTAAGTCAGTCAGAG.1_2	YUPIXEL	Mono 4
## TTAAGTCGTGCAACTT.1_2	YUPIXEL	CD4T 4

## TTA ACTCTCGACAGCC.1_2	YUPIXEL	B 1
## TTA ACTCTCTTTATG.1_2	YUPIXEL	B 1
## TTAGGACAGACCTTTG.1_2	YUPIXEL	B 2
## TTAGGACCATTACCTT.1_2	YUPIXEL	CD4T 6
## TTAGGCAAGACCCACC.1_2	YUPIXEL	Mono 9
## TTAGGCAAGCAGCCTC.1_2	YUPIXEL	B 1
## TTAGGCACAAATCCGT.1_2	YUPIXEL	Mono 1
## TTAGGCACAATTGCTG.1_2	YUPIXEL	CD8T 1
## TTAGGCACACCGAAAG.1_2	YUPIXEL	CD4T 1
## TTAGGCACAGATCTGT.1_2	YUPIXEL	CD4T 1
## TTAGGCACATCTATGG.1_2	YUPIXEL	CD4T 4
## TTAGGCACATGCGCAC.1_2	YUPIXEL	Mono 8
## TTAGGCAGTATCACCA.1_2	YUPIXEL	Mono 1
## TTAGGCAGTCCCTACT.1_2	YUPIXEL	B 3
## TTAGGCATCCACGTGG.1_2	YUPIXEL	TNKT 1
## TTAGTTCAGACTACAA.1_2	YUPIXEL	B 1
## TTAGTTCAGATCTGAA.1_2	YUPIXEL	NK 3
## TTAGTTCAGCTATGCT.1_2	YUPIXEL	TNKT 1
## TTAGTTCAGCTCAACT.1_2	YUPIXEL	Mono 3
## TTAGTTCAGTGGAGAA.1_2	YUPIXEL	B 1
## TTAGTTCCAATGGACG.1_2	YUPIXEL	NK 1
## TTAGTTCAGATCTGT.1_2	YUPIXEL	B 1
## TTAGTTCGTACCAGTT.1_2	YUPIXEL	TNKT 1
## TTAGTTCGTGCGAAAGC.1_2	YUPIXEL	B 3
## TTAGTTCCTCAACACAC.1_2	YUPIXEL	Mono 8
## TTAGTTCCTCGAATGGG.1_2	YUPIXEL	Mono 1
## TTAGTTCCTCGACAGCC.1_2	YUPIXEL	B 1
## TTATGCTAGCGTCTAT.1_2	YUPIXEL	CD8T 1
## TTATGCTAGGGTATCG.1_2	YUPIXEL	CD8T 1
## TTATGCTGTAAGCACG.1_2	YUPIXEL	CD4T 7
## TTATGCTGTCTAGCCG.1_2	YUPIXEL	B 1
## TTATGCTTCAGCTTAG.1_2	YUPIXEL	NK 1
## TTATGCTTCGCTTGTC.1_2	YUPIXEL	NK 1
## TTATGCTTCTGTCCGT.1_2	YUPIXEL	TNKT 1
## TTCCCAGCAGTATGCT.1_2	YUPIXEL	Mono 2
## TTCCCAGTCAATCACG.1_2	YUPIXEL	CD4T 1
## TTCGAAGAGGCCGAAT.1_2	YUPIXEL	CD4T 3
## TTCGAAGCAATACGCT.1_2	YUPIXEL	CD8T 2
## TTCGAAGTCACCATAG.1_2	YUPIXEL	Mono 8
## TTCGAAGTCCGTAGGC.1_2	YUPIXEL	CD4T 4
## TTCGAAGTCTGACCTC.1_2	YUPIXEL	B 3
## TTCGAAGTCTGATTCT.1_2	YUPIXEL	CD8T 1
## TTCGGTCCACCAGTTA.1_2	YUPIXEL	CD4T 1
## TTCGGTCCACGCCAGT.1_2	YUPIXEL	NK 1
## TTCGGTCCACTCTGTC.1_2	YUPIXEL	CD4T 1
## TTCGGTCTGTCTGATCA.1_2	YUPIXEL	Mono 5
## TTCGGTCTCACTTACT.1_2	YUPIXEL	Mono 1
## TTCGGTCTCCGTAGGC.1_2	YUPIXEL	Mono 4
## TTCTACAAGTGCGATG.1_2	YUPIXEL	Mono 2
## TTCTACACAATTGCTG.1_2	YUPIXEL	B 1
## TTCTACACAGTATCTG.1_2	YUPIXEL	CD4T 7
## TTCTACACATAAAGGT.1_2	YUPIXEL	CD4T 1
## TTCTACACATGCTGGC.1_2	YUPIXEL	TNKT 1
## TTCTACAGTCCGTAA.1_2	YUPIXEL	B 1

## TTCTCAAAGCTAAACA.1_2	YUPIXEL	NK 4
## TTCTCAAAGGCATGGT.1_2	YUPIXEL	Mono 9
## TTCTCAAAGGTTCCCTA.1_2	YUPIXEL	Mono 8
## TTCTCAACACAGCCCA.1_2	YUPIXEL	CD4T 2
## TTCTCAACAGCCAGAA.1_2	YUPIXEL	B 3
## TTCTCAACAGCCTATA.1_2	YUPIXEL	Mono 8
## TTCTCAAGTACAGACG.1_2	YUPIXEL	CD4T 2
## TTCTCAATCAGGATCT.1_2	YUPIXEL	NK 2
## TTCTCCTAGTGACATA.1_2	YUPIXEL	TNKT 1
## TTCTCCTCAATTGCTG.1_2	YUPIXEL	CD4T 7
## TTCTCCTCAGATGGCA.1_2	YUPIXEL	CD8T 1
## TTCTCCTCAGCTGCAC.1_2	YUPIXEL	Mono 9
## TTCTCCTCAGGGTACA.1_2	YUPIXEL	Mono 4
## TTCTCCTTCTGCGTAA.1_2	YUPIXEL	CD8T 2
## TTCTTAGAGATGTTAG.1_2	YUPIXEL	Mono 8
## TTCTTAGCACACCGAC.1_2	YUPIXEL	CD4T 3
## TTCTTAGCAGCATACT.1_2	YUPIXEL	Mono 4
## TTCTTAGGTTACGGC.1_2	YUPIXEL	CD4T 1
## TTCTTAGTCTACTTAC.1_2	YUPIXEL	B 1
## TTGAACGAGATCGGGT.1_2	YUPIXEL	B 3
## TTGAACGAGGGCATGT.1_2	YUPIXEL	CD4T 5
## TTGAACGCATGAGCGA.1_2	YUPIXEL	B 1
## TTGACTTCAAGAAAGG.1_2	YUPIXEL	B 1
## TTGACTTCAGACTCGC.1_2	YUPIXEL	CD4T 5
## TTGACTTCAGGGTTAG.1_2	YUPIXEL	B 1
## TTGACTTCATATGCTG.1_2	YUPIXEL	Mono 9
## TTGACTTGTGTCGCTG.1_2	YUPIXEL	CD4T 3
## TTGACTTTCGTAGGAG.1_2	YUPIXEL	CD4T 3
## TTGACTTCTTGCATT.1_2	YUPIXEL	NK 3
## TTGCCGTGTACCTACA.1_2	YUPIXEL	CD4T 1
## TTGCCGTTCACGGTTA.1_2	YUPIXEL	Mono 8
## TTGCCGTTCATCGCTC.1_2	YUPIXEL	Mono 5
## TTGCCGTTCTACTCAT.1_2	YUPIXEL	CD4T 7
## TTGCCGTTCCTCCTATA.1_2	YUPIXEL	B 3
## TTGCCGTCAGAAACGAG.1_2	YUPIXEL	NK 3
## TTGCCGTCCACATCCGG.1_2	YUPIXEL	CD4T 4
## TTGCCGTCCAGGCTCAC.1_2	YUPIXEL	Mono 5
## TTGCCGTCTCGAATGGG.1_2	YUPIXEL	CD4T 3
## TTGCCGTCTCGGAGCAA.1_2	YUPIXEL	CD4T 1
## TTGCCGTCTCGGGAGTA.1_2	YUPIXEL	CD8T 1
## TTGGAACCAAGCCGCT.1_2	YUPIXEL	B 3
## TTGGAACCAATCACAC.1_2	YUPIXEL	B 1
## TTGGAACCATCCAA.1_2	YUPIXEL	B 1
## TTGGAACGTTAAGTAG.1_2	YUPIXEL	CD8T 2
## TTGGAACTCCAGAAGG.1_2	YUPIXEL	CD4T 1
## TTGGCAAAGCGTTCCG.1_2	YUPIXEL	CD4T 4
## TTGGCAAAGGGCTTGA.1_2	YUPIXEL	CD4T 3
## TTGGCAAAGGTTACCT.1_2	YUPIXEL	Mono 3
## TTGGCAAAGTCCTCCT.1_2	YUPIXEL	Mono 2
## TTGGCAACAACCTGCGC.1_2	YUPIXEL	B 1
## TTGGCAACATCGTCGG.1_2	YUPIXEL	CD4T 3
## TTGGCAAGTAGCTGCC.1_2	YUPIXEL	NK 2
## TTGGCAAGTTTGACAC.1_2	YUPIXEL	B 1
## TTGGCAAGTTGACTG.1_2	YUPIXEL	CD4T 4

## TTGGCAATCCGTCAAA.1_2	YUPIXEL	CD4T 3
## TTGTAGGAGCACACAG.1_2	YUPIXEL	NK 1
## TTGTAGGAGCTGAAAT.1_2	YUPIXEL	CD4T 3
## TTGTAGGCAGCATACT.1_2	YUPIXEL	TNKT 1
## TTGTAGGGTCTCGTTC.1_2	YUPIXEL	CD4T 5
## TTGTAGGGTCTCTCTG.1_2	YUPIXEL	B 1
## TTGTAGGGTTCCGGCA.1_2	YUPIXEL	B 1
## TTTACTGCAATAAGCA.1_2	YUPIXEL	Mono 8
## TTTACTGCACGGTGTC.1_2	YUPIXEL	CD4T 1
## TTTACTGCACGTAAGG.1_2	YUPIXEL	CD4T 3
## TTTACTGCATGGGACA.1_2	YUPIXEL	CD4T 6
## TTTACTGGTGATAAAC.1_2	YUPIXEL	NK 4
## TTTACTGGTGTCTGAT.1_2	YUPIXEL	NK 3
## TTTATGCCAGACTCGC.1_2	YUPIXEL	NK 3
## TTTATGCGTCTAGTCA.1_2	YUPIXEL	NK 3
## TTTATGCGTGCTAGCC.1_2	YUPIXEL	Mono 8
## TTTATGCTCGGTCCGA.1_2	YUPIXEL	Mono 9
## TTTCTCAGAAAACGCC.1_2	YUPIXEL	CD4T 4
## TTTCTCAGTGTTGAA.1_2	YUPIXEL	Mono 8
## TTTCTCGTCCAGTAT.1_2	YUPIXEL	CD4T 1
## TTTCTCTCCGTAGTA.1_2	YUPIXEL	CD4T 3
## TTTCTCTCGTTACGA.1_2	YUPIXEL	B 1
## TTTGCGCAGAACTGTA.1_2	YUPIXEL	TNKT 1
## TTTGCGCAGAAGGTTT.1_2	YUPIXEL	B 1
## TTTGCGCAGCGCCTTG.1_2	YUPIXEL	CD4T 2
## TTTGCGCAGTCAAGCG.1_2	YUPIXEL	CD4T 7
## TTTGCGCAGTCGAGTG.1_2	YUPIXEL	CD4T 4
## TTTGCGCAGTGAACGC.1_2	YUPIXEL	Mono 5
## TTTGCGCCAACACCCG.1_2	YUPIXEL	CD4T 7
## TTTGCGCCAGGGATTG.1_2	YUPIXEL	NK 3
## TTTGCGCGTAGCTAAA.1_2	YUPIXEL	Mono 4
## TTTGCGCGTGTTTCA.1_2	YUPIXEL	CD4T 3
## TTTGCGCGTGTCATC.1_2	YUPIXEL	CD4T 2
## TTTGGTTCAAACGCGA.1_2	YUPIXEL	TNKT 1
## TTTGGTTCAACCAGATT.1_2	YUPIXEL	B 3
## TTTGGTTCAGAAGCAC.1_2	YUPIXEL	B 3
## TTTGGTTGTAGCTGCC.1_2	YUPIXEL	CD8T 1
## TTTGGTTGTCCGTCT.1_2	YUPIXEL	Mono 7
## TTTGGTTTCGGGAGTA.1_2	YUPIXEL	B 3
## TTTGTCAAGTCCAGTTA.1_2	YUPIXEL	CD4T 5
## TTTGTCATCATAGCAC.1_2	YUPIXEL	Mono 5
## TTTGTCATCGCAAGCC.1_2	YUPIXEL	CD4T 1
## TTTGTCATCTAGAGTC.1_2	YUPIXEL	Mono 7
## TTTGTCATCTTACCTA.1_2	YUPIXEL	B 6
## AAACCTGAGCTACCTA.1_3	YUENZO	B 3
## AAACCTGAGTACGATA.1_3	YUENZO	CD4T 7
## AAACCTGGTCGTTGTA.1_3	YUENZO	NK 2
## AAACCTGGTCTTCTCG.1_3	YUENZO	CD4T 1
## AAACCTGTCAACACGT.1_3	YUENZO	TNKT 1
## AAACCTGTCAGTTTGG.1_3	YUENZO	CD4T 2
## AAACCTGTGCAAACT.1_3	YUENZO	TNKT 1
## AAACGGGTCAGCTCTC.1_3	YUENZO	Mono 2
## AAAGATGAGAGGGCTT.1_3	YUENZO	TNKT 1
## AAAGATGGTAGCCTCG.1_3	YUENZO	NK 4

## AAAGTAGAGACTAGGC.1_3	YUENZO	NK 2
## AAAGTAGCATACGCTA.1_3	YUENZO	B 1
## AAAGTAGGTACCCAAT.1_3	YUENZO	TNKT 1
## AACACGTGTGGCGAAT.1_3	YUENZO	CD4T 2
## AACCATGGTTGGGACA.1_3	YUENZO	B 1
## AACCGCGAGAAGGGTA.1_3	YUENZO	TNKT 1
## AACCGCGCAAGCTGTT.1_3	YUENZO	Mono 2
## AACCGCGCACCCATTC.1_3	YUENZO	B 3
## AACCGCGTCGAGCCCA.1_3	YUENZO	B 2
## AACTCAGCACGGTAGA.1_3	YUENZO	B 3
## AACTCCCTCTGCAAGT.1_3	YUENZO	CD4T 1
## AACTCTTAGAGCTATA.1_3	YUENZO	B 3
## AACTCTTGTACGCACC.1_3	YUENZO	B 2
## AACTGGTAGCTATGCT.1_3	YUENZO	Mono 4
## AACTGGTGTAGGGACT.1_3	YUENZO	B 2
## AACTGGTGTGGTTTG.1_3	YUENZO	Mono 5
## AAGACCTCAGCCTTGG.1_3	YUENZO	CD4T 1
## AAGACCTGTTCGTCTC.1_3	YUENZO	B 1
## AAGCCGCCAATTCCTT.1_3	YUENZO	B 1
## AAGCCGCGTCTAGTGT.1_3	YUENZO	NK 1
## AAGGAGCTCCCTAACC.1_3	YUENZO	B 2
## AAGGCAGAGCGATATA.1_3	YUENZO	NK 1
## AAGGCAGGTCTAGAGG.1_3	YUENZO	Mono 2
## AAGGCAGGTGTATGGG.1_3	YUENZO	B 2
## AAGGCAGTCACCTCGT.1_3	YUENZO	CD4T 3
## AAGGCAGTCAGCTCGG.1_3	YUENZO	CD4T 3
## AAGGTTCAAGTCGTTTG.1_3	YUENZO	CD4T 2
## AAGTCTGCACAACTGT.1_3	YUENZO	TNKT 2
## AAGTCTGGTGCAACGA.1_3	YUENZO	CD4T 2
## AAGTCTGTCTTCGGTC.1_3	YUENZO	B 1
## AATCCAGAGATTACCC.1_3	YUENZO	B 2
## ACACCAAGTATAGTAG.1_3	YUENZO	TNKT 2
## ACACCAATCACCTCGT.1_3	YUENZO	Mono 4
## ACACCCTAGAGTGACC.1_3	YUENZO	TNKT 1
## ACACCCTCAGCCTGTG.1_3	YUENZO	Mono 8
## ACACTGAGTGCTCTTC.1_3	YUENZO	B 1
## ACACTGAGTTCAGCGC.1_3	YUENZO	B 1
## ACAGCCGTCCAGATCA.1_3	YUENZO	Mono 4
## ACATACGCAACTGGCC.1_3	YUENZO	TNKT 1
## ACATACGTCCTAGTGA.1_3	YUENZO	NK 1
## ACATGGTTTCAGTCAGT.1_3	YUENZO	B 1
## ACCAGTAGTACATCCA.1_3	YUENZO	B 3
## ACCAGTATCGAACGGA.1_3	YUENZO	CD4T 7
## ACCAGTATCTTGACGA.1_3	YUENZO	NK 2
## ACCCACTTCACGCATA.1_3	YUENZO	CD4T 1
## ACCCACTTCATTGCGA.1_3	YUENZO	CD4T 7
## ACCGTAAGTCGATTGT.1_3	YUENZO	B 2
## ACCGTAATCATTTGGG.1_3	YUENZO	CD4T 6
## ACCTTTAAGACGCTTT.1_3	YUENZO	B 2
## ACCTTTAAGGCTCATT.1_3	YUENZO	CD4T 1
## ACCTTTAAGTCATCCA.1_3	YUENZO	B 3
## ACCTTTATCCACTCCA.1_3	YUENZO	NK 2
## ACGAGCCGTAGCACGA.1_3	YUENZO	Mono 4
## ACGAGCCTCCCACTTG.1_3	YUENZO	CD4T 3

## ACGAGCCTCCTTGACC.1_3	YUENZO	CD4T 1
## ACGAGGAGTGACTACT.1_3	YUENZO	CD4T 2
## ACGAGGAGTGAGTATA.1_3	YUENZO	CD4T 2
## ACGAGGAGTTCGCGAC.1_3	YUENZO	Mono 2
## ACGATACAGAACAAC.1_3	YUENZO	B 2
## ACGATACCATTAGCCA.1_3	YUENZO	Mono 9
## ACGATGTAGACAAGCC.1_3	YUENZO	CD8T 3
## ACGATGTTCTTGCCA.1_3	YUENZO	NK 4
## ACGATGTTCTTGTTTG.1_3	YUENZO	NK 2
## ACGCCAGCACAAACGTT.1_3	YUENZO	CD4T 2
## ACGCCGAAGGGATACC.1_3	YUENZO	NK 1
## ACGCCGACAAGAGGCT.1_3	YUENZO	B 2
## ACGCCGAGTCCATCCT.1_3	YUENZO	B 2
## ACGCCGATCTACCAGA.1_3	YUENZO	B 2
## ACGGAGACAATGGAAT.1_3	YUENZO	NK 1
## ACGGAGAGTTGAGGTG.1_3	YUENZO	CD4T 1
## ACGGAGATCAGAGACG.1_3	YUENZO	NK 4
## ACGGAGATCCTCGCAT.1_3	YUENZO	B 5
## ACGGAGATCTCGTATT.1_3	YUENZO	NK 3
## ACGGCCACAACTGTC.1_3	YUENZO	CD4T 1
## ACGGGTCAGTCCGTAT.1_3	YUENZO	TNKT 1
## ACGGGTCAGTTAGGTA.1_3	YUENZO	CD4T 2
## ACGGGTCGTTTCATGGT.1_3	YUENZO	TNKT 2
## ACGTCAAAGACTAGGC.1_3	YUENZO	B 1
## ACTATCTCACTGTGTA.1_3	YUENZO	Mono 4
## ACTATCTGTTGAGTTC.1_3	YUENZO	CD4T 2
## ACTGAACTCACAACGT.1_3	YUENZO	TNKT 1
## ACTGAGTGTTGCCTCT.1_3	YUENZO	NK 1
## ACTGATGCACAACGT.1_3	YUENZO	CD4T 3
## ACTGCTCAGGTCATCT.1_3	YUENZO	Mono 8
## ACTGTCCCAATGGATA.1_3	YUENZO	CD4T 4
## ACTGTCCCACCAGCAC.1_3	YUENZO	TNKT 1
## ACTGTCCGTAGCACGA.1_3	YUENZO	Mono 2
## ACTTACTTCCGTCAA.1_3	YUENZO	Mono 2
## ACTTACTTCTCGATGA.1_3	YUENZO	Mono 4
## ACTTGTTAGGACATTA.1_3	YUENZO	B 2
## ACTTGTTTCATTAGGCT.1_3	YUENZO	CD4T 6
## ACTTTCAAGAATGTGT.1_3	YUENZO	B 2
## ACTTTCAAGTCGTACT.1_3	YUENZO	B 2
## ACTTTCACAATCCAAC.1_3	YUENZO	Mono 8
## ACTTTCACACAGATTC.1_3	YUENZO	Mono 8
## ACTTTCACAGCTGTGC.1_3	YUENZO	CD4T 4
## AGACGTTAGTTCGCGC.1_3	YUENZO	CD8T 2
## AGACGTTTCATCACGAT.1_3	YUENZO	CD8T 1
## AGACGTTGTTCTCATT.1_3	YUENZO	Mono 5
## AGAGCGAAGATGGCGT.1_3	YUENZO	Mono 8
## AGAGCGAAGCTCCTCT.1_3	YUENZO	CD4T 1
## AGAGCGAGTCGACTGC.1_3	YUENZO	NK 3
## AGAGCTTAGGACCACA.1_3	YUENZO	Mono 8
## AGAGTGGAGTCCGTAT.1_3	YUENZO	Mono 2
## AGAGTGGGTAAGGGCT.1_3	YUENZO	B 1
## AGATCTGCAAACGCGA.1_3	YUENZO	Mono 4
## AGATCTGGTAAAGGAG.1_3	YUENZO	TNKT 1
## AGATCTGGTTGTTTGG.1_3	YUENZO	TNKT 2

## AGCAGCCCACAGCAC.1_3	YUENZO	B 1
## AGCAGCCCACGGCTAC.1_3	YUENZO	CD4T 1
## AGCAGCCCAGGACGTA.1_3	YUENZO	B 3
## AGCATACAGTGTTC.1_3	YUENZO	TNKT 1
## AGCATACTCGGAATCT.1_3	YUENZO	CD4T 6
## AGCCTAAAGAGGTTAT.1_3	YUENZO	B 2
## AGCCTAAGTACGCACC.1_3	YUENZO	Mono 2
## AGCGGTCAGTACGCCC.1_3	YUENZO	Mono 9
## AGCGGTCGTCGCTTTC.1_3	YUENZO	CD4T 6
## AGCGGTCGTTAAGAAC.1_3	YUENZO	B 2
## AGCGGTCTCGATCCCT.1_3	YUENZO	B 2
## AGCGGTCTCGTCTGAA.1_3	YUENZO	CD4T 2
## AGCGGTCTCTGTCCGT.1_3	YUENZO	CD4T 7
## AGCGTATGTTGTACAC.1_3	YUENZO	Mono 8
## AGCGTATTCGCCAGCA.1_3	YUENZO	CD4T 2
## AGCGTCGGTACACCGC.1_3	YUENZO	NK 1
## AGCTCCTCATATACGC.1_3	YUENZO	Mono 1
## AGCTCCTTCCTACAGA.1_3	YUENZO	TNKT 1
## AGCTCTCAGATGCGAC.1_3	YUENZO	B 1
## AGCTCTCGTCAAAGAT.1_3	YUENZO	CD8T 2
## AGCTCTCTCCACTCCA.1_3	YUENZO	B 1
## AGCTTGAAGTACATGA.1_3	YUENZO	CD4T 6
## AGGCCACCAGCTGTTA.1_3	YUENZO	Mono 8
## AGGCCACGTCAACTGT.1_3	YUENZO	CD4T 6
## AGGCCGTGTTCTGTGAT.1_3	YUENZO	TNKT 1
## AGGCCGTGTTCCACC.1_3	YUENZO	Mono 5
## AGGGAGTAGCGATAGC.1_3	YUENZO	CD4T 2
## AGGGAGTGTACTCTCC.1_3	YUENZO	CD4T 6
## AGGGAGTGTGTGCCTG.1_3	YUENZO	B 1
## AGGGATGAGATCTGAA.1_3	YUENZO	B 3
## AGGGATGGTAGCGCTC.1_3	YUENZO	Mono 2
## AGGGATGTGCGACTCT.1_3	YUENZO	Mono 4
## AGGGTGATCCTAGTGA.1_3	YUENZO	CD4T 4
## AGGTCATAGAAGCCCA.1_3	YUENZO	CD8T 3
## AGGTCATCAGCGTAAG.1_3	YUENZO	B 2
## AGGTCCGCAGTATCTG.1_3	YUENZO	CD4T 1
## AGGTCCGGTAGCGTAG.1_3	YUENZO	CD4T 6
## AGTAGTCCAGTATAAG.1_3	YUENZO	CD8T 1
## AGTAGTCGTCTTGCGG.1_3	YUENZO	CD4T 2
## AGTCTTTAGCGACGTA.1_3	YUENZO	CD4T 4
## AGTCTTTAGGAATGGA.1_3	YUENZO	NK 1
## AGTGGGAAGGGAGTAA.1_3	YUENZO	TNKT 1
## AGTGGGACACTGTTAG.1_3	YUENZO	CD4T 1
## AGTGTCACAATCAGAA.1_3	YUENZO	B 2
## AGTGTCACAGCGTAAG.1_3	YUENZO	Mono 2
## AGTTGGTCACGGTAGA.1_3	YUENZO	B 1
## AGTTGGTCATAAAGGT.1_3	YUENZO	TNKT 1
## AGTTGGTGTGAGAGGT.1_3	YUENZO	NK 3
## AGTTGGTTCATGTGGT.1_3	YUENZO	B 1
## ATAACGCTCGCTTGTC.1_3	YUENZO	CD8T 1
## ATAAGAGGTCATACTG.1_3	YUENZO	TNKT 1
## ATAGACCAGACGCACA.1_3	YUENZO	CD4T 2
## ATAGACCAGATATGGT.1_3	YUENZO	CD8T 2
## ATAGACCGTGGGTATG.1_3	YUENZO	Mono 9

## ATAGACCTCACGGTTA.1_3	YUENZO	B 2
## ATCACGAAGCTAACAA.1_3	YUENZO	B 2
## ATCATCTAGCTGGAAC.1_3	YUENZO	NK 2
## ATCATCTCAAATACAG.1_3	YUENZO	Mono 4
## ATCATGGAGGTGTTAA.1_3	YUENZO	CD4T 2
## ATCATGGCACGAGGTA.1_3	YUENZO	B 1
## ATCATGGTCACCTTAT.1_3	YUENZO	B 1
## ATCATGGTCCCATTTA.1_3	YUENZO	NK 1
## ATCCACCGTAACGTTC.1_3	YUENZO	Mono 4
## ATCCACCTCCATGCTC.1_3	YUENZO	CD4T 2
## ATCCACCTCGAGCCCA.1_3	YUENZO	Mono 8
## ATCCGAACAAACCCAT.1_3	YUENZO	CD4T 7
## ATCCGAACAAATCCGT.1_3	YUENZO	CD4T 6
## ATCCGAATCATCACCC.1_3	YUENZO	TNKT 1
## ATCCGAATCTCGCATC.1_3	YUENZO	Mono 2
## ATCCGAATCTGAGGGA.1_3	YUENZO	CD4T 6
## ATCGAGTAGCGTAATA.1_3	YUENZO	TNKT 1
## ATCGAGTGTAATACG.1_3	YUENZO	NK 2
## ATCGAGTGCCAAGTT.1_3	YUENZO	B 1
## ATCGAGTGTGCAGGTA.1_3	YUENZO	B 1
## ATCGAGTGTGTGAATA.1_3	YUENZO	B 2
## ATCTACTAGGATGCGT.1_3	YUENZO	Mono 4
## ATCTACTCAGGATCGA.1_3	YUENZO	NK 1
## ATCTACTCAGGTTTCA.1_3	YUENZO	Mono 3
## ATCTACTGTCAAAGAT.1_3	YUENZO	Mono 4
## ATCTGCCCACCATGTA.1_3	YUENZO	B 2
## ATGAGGGGTTTGACTG.1_3	YUENZO	CD4T 1
## ATGCGATCATGGTCTA.1_3	YUENZO	CD4T 2
## ATGCGATGTAGAGCTG.1_3	YUENZO	B 1
## ATGGGAGAGAAGATTC.1_3	YUENZO	B 2
## ATGGGAGAGTGGGATC.1_3	YUENZO	NK 3
## ATGTGTGAGCTAGTCT.1_3	YUENZO	CD4T 1
## ATGTGTGTCATACGGT.1_3	YUENZO	Mono 2
## ATTATCCAGAGTCGGT.1_3	YUENZO	CD4T 1
## ATTATCCGTGCCTGCA.1_3	YUENZO	TNKT 2
## ATTCTACAGCACCGTC.1_3	YUENZO	B 2
## ATTCTACGTATGAAAC.1_3	YUENZO	B 3
## ATTGGTGCAAGTCTGT.1_3	YUENZO	CD4T 6
## ATTGGTGCATGCAACT.1_3	YUENZO	Mono 5
## ATTGGTGGTACAGCAG.1_3	YUENZO	CD4T 6
## ATTGGTGTCTCTTATG.1_3	YUENZO	B 2
## ATTTCTGTCATCGATG.1_3	YUENZO	Mono 2
## CAACCAAGTACGAAAT.1_3	YUENZO	B 3
## CAACCAAGTCTCGTTC.1_3	YUENZO	Mono 2
## CAACCAATCATAGCAC.1_3	YUENZO	NK 1
## CAACCTCCAATGGTCT.1_3	YUENZO	TNKT 2
## CAACCTCCACATTAGC.1_3	YUENZO	Mono 2
## CAACCTCCATTACCTT.1_3	YUENZO	CD4T 1
## CAACTAGAGAAGGGTA.1_3	YUENZO	CD8T 1
## CAAGAAATCATATCGG.1_3	YUENZO	TNKT 1
## CAAGAAATCCCTAACC.1_3	YUENZO	TNKT 1
## CAAGATCAGCCTATGT.1_3	YUENZO	B 4
## CAAGATCCAGCTCGAC.1_3	YUENZO	CD4T 2
## CAAGTTGAGGCTCAGA.1_3	YUENZO	CD4T 1

## CAAGTTGTCAGGTTCA.1_3	YUENZO	Mono 4
## CACAAACTCTTGTA CT.1_3	YUENZO	B 2
## CACACAACATAACCTG.1_3	YUENZO	B 1
## CACACAAGTGTGGCTC.1_3	YUENZO	NK 1
## CACACAATCCCAAGAT.1_3	YUENZO	CD4T 4
## CACACCTAGGCCCGTT.1_3	YUENZO	CD4T 1
## CACACCTCATATGGTC.1_3	YUENZO	Mono 8
## CACACCTGTAGGACAC.1_3	YUENZO	B 2
## CACACTCAGGATTCGG.1_3	YUENZO	CD4T 6
## CACACTCGTCGTGGCT.1_3	YUENZO	Mono 1
## CACAGGCTCTACTTAC.1_3	YUENZO	TNKT 1
## CACAGTAAGGTCATCT.1_3	YUENZO	NK 2
## CACAGTAGTACGACCC.1_3	YUENZO	NK 2
## CACAGTATCTTGAGGT.1_3	YUENZO	B 3
## CACATAGAGTGCGATG.1_3	YUENZO	CD4T 1
## CACATAGCATTCTTAC.1_3	YUENZO	Mono 2
## CACATAGGTCGCGTGT.1_3	YUENZO	B 1
## CACATAGGTCTTTTCAT.1_3	YUENZO	CD4T 6
## CACATTTAGGGTTTCT.1_3	YUENZO	B 3
## CACCACTAGTAGCCGA.1_3	YUENZO	CD8T 3
## CACCACTCACGGTGTC.1_3	YUENZO	Mono 8
## CACCACTCATCCAACA.1_3	YUENZO	B 2
## CACCAGGAGGCCATAG.1_3	YUENZO	B 2
## CACCAGGGTAACGTTC.1_3	YUENZO	CD4T 7
## CACCAGGTCCCTCTTT.1_3	YUENZO	CD4T 1
## CACTCCACATCGATGT.1_3	YUENZO	B 2
## CAGAATCCACGCCAGT.1_3	YUENZO	B 3
## CAGAGAGAGCTGAACG.1_3	YUENZO	CD4T 3
## CAGAGAGAGTAACCCT.1_3	YUENZO	B 2
## CAGAGAGGTCAGAGGT.1_3	YUENZO	CD4T 3
## CAGATCAAGCGTAGTG.1_3	YUENZO	Mono 2
## CAGATCATCCGTAGTA.1_3	YUENZO	B 1
## CAGCATATCCGCGTTT.1_3	YUENZO	B 3
## CAGCCGATCTTGTTTG.1_3	YUENZO	CD4T 2
## CAGCGACCAATAGAGT.1_3	YUENZO	CD4T 7
## CAGCTAACACTGCCAG.1_3	YUENZO	B 1
## CAGCTGGAGAGTAATC.1_3	YUENZO	NK 4
## CAGCTGGAGATACACA.1_3	YUENZO	NK 1
## CAGCTGGCAAGCCATT.1_3	YUENZO	B 2
## CAGCTGGCATATGGTC.1_3	YUENZO	B 1
## CAGTAACCACACAGAG.1_3	YUENZO	B 2
## CAGTAACGTTACGCGC.1_3	YUENZO	CD4T 1
## CAGTCCTCATTATCTC.1_3	YUENZO	B 2
## CAGTCCTTCAACGGCC.1_3	YUENZO	Mono 4
## CATATGGGTATATCCG.1_3	YUENZO	Mono 1
## CATATGGTCATTATCC.1_3	YUENZO	Mono 4
## CATCAAGCACAAGACG.1_3	YUENZO	CD4T 2
## CATCAAGCAGGTGGAT.1_3	YUENZO	B 3
## CATCAAGTCATTGCCC.1_3	YUENZO	Mono 2
## CATCAGAAGGATATAC.1_3	YUENZO	Mono 8
## CATCCACGTCAACATC.1_3	YUENZO	TNKT 1
## CATCCACTCCAGAAGG.1_3	YUENZO	NK 1
## CATCGAAAGAGGTTGC.1_3	YUENZO	B 2
## CATCGAAAGGGTGTGT.1_3	YUENZO	NK 1

## CATCGAACATGGATGG.1_3	YUENZO	B 2
## CATCGGGAGGAATGGA.1_3	YUENZO	B 1
## CATGCCTTCTGTGCAA.1_3	YUENZO	Mono 8
## CATGGCGCACAAACGTT.1_3	YUENZO	Mono 1
## CATGGCGCATTGAGCT.1_3	YUENZO	CD4T 1
## CATGGCGGTACGCTGC.1_3	YUENZO	Mono 5
## CATTATCTCCACGCAG.1_3	YUENZO	CD4T 7
## CATTGCGCAAGGTTCT.1_3	YUENZO	TNKT 1
## CCAATCCAGTCCCACG.1_3	YUENZO	NK 3
## CCAATCCTCTTTACAC.1_3	YUENZO	B 5
## CCACCTAGTCCGCTGA.1_3	YUENZO	B 2
## CCACCTATCTGGTGTA.1_3	YUENZO	TNKT 1
## CCACGGAAGCTACCGC.1_3	YUENZO	B 3
## CCACGGATCAGCACAT.1_3	YUENZO	CD4T 3
## CCACGGATCCCATTTA.1_3	YUENZO	TNKT 1
## CCACTACCATGGTCAT.1_3	YUENZO	Mono 8
## CCAGCGAGTTCAACCA.1_3	YUENZO	B 1
## CCAGCGATCAGTTGAC.1_3	YUENZO	TNKT 2
## CCATGTCGTAGCCTAT.1_3	YUENZO	B 2
## CCATGTCGTCGGCTCA.1_3	YUENZO	CD4T 2
## CCATTGAGCTAACAA.1_3	YUENZO	CD4T 3
## CCATTGCGAAAGAATC.1_3	YUENZO	Mono 9
## CCCAATCTCGACAGCC.1_3	YUENZO	B 1
## CCCAGTTGTGCAGTAG.1_3	YUENZO	B 1
## CCCATACCACCGCTAG.1_3	YUENZO	Mono 8
## CCCATACGTAATTGGA.1_3	YUENZO	CD4T 5
## CCCATACGTCGTTGTA.1_3	YUENZO	B 1
## CCCTCCTCAATGGAAT.1_3	YUENZO	Mono 8
## CCCTCCTGTCAATGTC.1_3	YUENZO	TNKT 1
## CCGGGATAGATCCTGT.1_3	YUENZO	CD8T 1
## CCGGGATAGGCACATG.1_3	YUENZO	B 3
## CCGGGATCAATCACAC.1_3	YUENZO	CD8T 3
## CCGGGATTCCCTTGTTG.1_3	YUENZO	B 3
## CCGGTAGAGGGCTTCC.1_3	YUENZO	Mono 8
## CCGGTAGTCTTCGGTC.1_3	YUENZO	B 1
## CCGTACTAGATGTTAG.1_3	YUENZO	B 2
## CCGTTCAGTGTCAATC.1_3	YUENZO	CD4T 2
## CCTAAAGAGAGGGCTT.1_3	YUENZO	B 1
## CCTAAAGAGCCCAGCT.1_3	YUENZO	B 2
## CCTAAAGTCAGTTGAC.1_3	YUENZO	CD8T 3
## CCTACACAGGAATCGC.1_3	YUENZO	Mono 8
## CCTACACCAGGTGGAT.1_3	YUENZO	B 3
## CCTACACTCTGCGTAA.1_3	YUENZO	B 1
## CCTACCAAGTCCATGA.1_3	YUENZO	TNKT 1
## CCTAGCTAGTATTGGA.1_3	YUENZO	B 2
## CCTAGCTGTGAAAGC.1_3	YUENZO	B 1
## CCTATTAGTCGAATCT.1_3	YUENZO	Mono 4
## CCTCTGACATGCTGGC.1_3	YUENZO	Mono 4
## CCTCTGATCCCGACTT.1_3	YUENZO	NK 3
## CCTTACGTCATATCGG.1_3	YUENZO	B 2
## CCTTCCCAGATGGCGT.1_3	YUENZO	CD8T 3
## CCTTCCCGTACACCGC.1_3	YUENZO	B 3
## CCTTCGATCCTCGCAT.1_3	YUENZO	B 2
## CCTTTCTAGAAGAAGC.1_3	YUENZO	B 2

## CCTTTCTCACGAGGTA.1_3	YUENZO	TNKT 1
## CCTTTCTGTCCGCTGA.1_3	YUENZO	Mono 8
## CGAATGTCACATGACT.1_3	YUENZO	CD4T 2
## CGACTTCAGGTGATAT.1_3	YUENZO	TNKT 1
## CGACTTCAGTCGCCGT.1_3	YUENZO	CD8T 3
## CGAGCACAGCCCTAAT.1_3	YUENZO	Mono 9
## CGAGCACTCAAACCGT.1_3	YUENZO	B 2
## CGAGCCAAGCCGAAA.1_3	YUENZO	NK 3
## CGAGCCACAATGGACG.1_3	YUENZO	CD4T 2
## CGAGCCAGTAACGACG.1_3	YUENZO	B 2
## CGAGCCAGTTCGGGCT.1_3	YUENZO	Mono 1
## CGATCGGCACCATCT.1_3	YUENZO	CD4T 3
## CGATGGCGTAGCCTCG.1_3	YUENZO	NK 1
## CGATGGCTCTAACTTC.1_3	YUENZO	B 2
## CGCGTTTtagccagtag.1_3	YUENZO	TNKT 1
## CGCGTTTtagctatgct.1_3	YUENZO	NK 1
## CGCGTTTtaggccggtt.1_3	YUENZO	B 1
## CGCGTTTGTATAATGG.1_3	YUENZO	NK 3
## CGCGTTTGTGCGAGTTT.1_3	YUENZO	TNKT 1
## CGCTATCAGTGGAGTC.1_3	YUENZO	B 2
## CGCTATCCAGGAACGT.1_3	YUENZO	TNKT 1
## CGGACACGTACATCCA.1_3	YUENZO	B 2
## CGGACGTAGCTAGTGG.1_3	YUENZO	CD4T 1
## CGGACGTAGTCTTGCA.1_3	YUENZO	B 1
## CGGACGTTcataaagg.1_3	YUENZO	Mono 2
## CGGAGCTAGCTCCTTC.1_3	YUENZO	B 3
## CGGAGCTCAGCGAACA.1_3	YUENZO	TNKT 1
## CGGAGCTGTTGGTTTG.1_3	YUENZO	NK 4
## CGGCTAGCACATGTGT.1_3	YUENZO	Mono 4
## CGGCTAGCACCGTTGG.1_3	YUENZO	Mono 2
## CGGCTAGGTCTGCCAG.1_3	YUENZO	B 1
## CGGCTAGTCACTTACT.1_3	YUENZO	B 2
## CGGCTAGTCGACAGCC.1_3	YUENZO	Mono 2
## CGGGTCAGTTGGTTTG.1_3	YUENZO	CD8T 3
## CGGGTCATCTTACCGC.1_3	YUENZO	NK 4
## CGGTTAACAGATCCAT.1_3	YUENZO	CD4T 3
## CGGTTAAGTTTGA CTG.1_3	YUENZO	CD4T 6
## CGTAGCGAGGCATGTG.1_3	YUENZO	Mono 4
## CGTAGGCAGCTCCTTC.1_3	YUENZO	CD4T 6
## CGTAGGCGTGGACGAT.1_3	YUENZO	Mono 2
## CGTAGGCTCGGATGGA.1_3	YUENZO	Mono 4
## CGTCACTCAGACAAAT.1_3	YUENZO	Mono 4
## CGTCACTCATCCGTGG.1_3	YUENZO	CD4T 1
## CGTCAGGTCTTACCGC.1_3	YUENZO	B 5
## CGTCCATAGCTACCGC.1_3	YUENZO	TNKT 1
## CGTCCATCACTATCTT.1_3	YUENZO	CD4T 2
## CGTGAGCAGCTAGGCA.1_3	YUENZO	TNKT 1
## CGTGTAAGTTACCGAT.1_3	YUENZO	Mono 5
## CGTGTCTCACGGCGTT.1_3	YUENZO	CD4T 1
## CGTGTCTTCGTCCGTT.1_3	YUENZO	B 3
## CGTTAGAAGAAGGCCT.1_3	YUENZO	B 2
## CGTTAGAAGCGACGTA.1_3	YUENZO	CD4T 1
## CGTTCTGCAAAGGCGT.1_3	YUENZO	NK 1
## CGTTCTGTCCAGAAGG.1_3	YUENZO	B 2

## CGTTGGGAGCGTCTAT.1_3	YUENZO	B 1
## CGTTGGGTCCCAAGTA.1_3	YUENZO	Mono 3
## CTAACCTTAGCATCATC.1_3	YUENZO	CD8T 3
## CTAACCTTCACGAGAGT.1_3	YUENZO	CD4T 1
## CTAAGACTCTTTCCTC.1_3	YUENZO	Mono 3
## CTAATGGTCTGGCGAC.1_3	YUENZO	B 2
## CTACACCCACAGTCGC.1_3	YUENZO	CD4T 3
## CTACCCAAGTCCCACG.1_3	YUENZO	TNKT 1
## CTACCCACACCCAGTG.1_3	YUENZO	NK 2
## CTACCCATCGACCAGC.1_3	YUENZO	TNKT 1
## CTACCCATCGAGGTAG.1_3	YUENZO	B 2
## CTACGTCCAAGAGGCT.1_3	YUENZO	NK 3
## CTACGTCCAGGCAGTA.1_3	YUENZO	TNKT 1
## CTACGTCCATATACCG.1_3	YUENZO	NK 1
## CTACGTCCATTGGTAC.1_3	YUENZO	CD4T 2
## CTACGTTCGTTTGACAC.1_3	YUENZO	Mono 4
## CTAGAGTTCGTGGACC.1_3	YUENZO	CD8T 3
## CTAGCCTTCACATAGC.1_3	YUENZO	CD4T 6
## CTAGTGATCGAATGCT.1_3	YUENZO	CD4T 6
## CTCACACAGCCGCCTA.1_3	YUENZO	B 3
## CTCAGAAAGGCTAGGT.1_3	YUENZO	B 1
## CTCAGAACACGGCGTT.1_3	YUENZO	B 1
## CTCAGAATCTCCGTT.1_3	YUENZO	CD8T 1
## CTCATTACACAGGTTT.1_3	YUENZO	Mono 4
## CTCCTAGCAAGGACTG.1_3	YUENZO	TNKT 1
## CTCCTAGCATTTGCC.1_3	YUENZO	Mono 8
## CTCCTAGTCCATTCTA.1_3	YUENZO	B 4
## CTCCTAGTCTACTTAC.1_3	YUENZO	Mono 8
## CTCGAAAAGACCTTTG.1_3	YUENZO	CD4T 7
## CTCGAAAAGTGTCGG.1_3	YUENZO	CD4T 2
## CTCGAAAAGTCCGAACC.1_3	YUENZO	B 2
## CTCGAGGAGTCGATAA.1_3	YUENZO	CD8T 2
## CTCGGAGTCCCTCTTT.1_3	YUENZO	CD8T 2
## CTCGGAGTCTACGAGT.1_3	YUENZO	CD4T 1
## CTCGGAGTCTCGGACG.1_3	YUENZO	NK 4
## CTCGGGAAGATCTGCT.1_3	YUENZO	TNKT 1
## CTCGGGAGTACGCTGC.1_3	YUENZO	CD4T 1
## CTCGTACCAATGAATG.1_3	YUENZO	Mono 7
## CTCGTACAGTAGAAGGA.1_3	YUENZO	Mono 4
## CTCGTACAGTGTGTTG.1_3	YUENZO	CD4T 1
## CTCGTATCTTTCCTC.1_3	YUENZO	B 1
## CTCTAATGTCTTCGTC.1_3	YUENZO	B 3
## CTCTAATTCCTAGAAC.1_3	YUENZO	B 3
## CTCTACGTCCAAGCCG.1_3	YUENZO	CD4T 2
## CTCTGGTAGATCCTGT.1_3	YUENZO	B 2
## CTCTGGTAGTGTCAT.1_3	YUENZO	CD4T 1
## CTCTGGTTCACCGGGT.1_3	YUENZO	NK 2
## CTGAAACCATGTTGAC.1_3	YUENZO	TNKT 1
## CTGAAGTAGAAGATTC.1_3	YUENZO	CD4T 1
## CTGAAGTGTCAATACC.1_3	YUENZO	TNKT 1
## CTGAAGTTCACATGCA.1_3	YUENZO	Mono 4
## CTGAAGTTCAGCTCGG.1_3	YUENZO	CD4T 6
## CTGAAGTTCGCGCAA.1_3	YUENZO	TNKT 1
## CTGATAGAGAAGGGTA.1_3	YUENZO	CD4T 6

## CTGATAGTCCCAACGG.1_3	YUENZO	CD4T 4
## CTGCCTAAGCCGTCGT.1_3	YUENZO	CD4T 7
## CTGCCTAAGGCATGGT.1_3	YUENZO	TNKT 2
## CTGCGGAAGAGTCGGT.1_3	YUENZO	NK 4
## CTGCGGACATGAGCGA.1_3	YUENZO	CD8T 2
## CTGCTGTAGCAAATCA.1_3	YUENZO	B 2
## CTGCTGTGTTCGTCT.1_3	YUENZO	B 3
## CTGGTCTCACCGAAAG.1_3	YUENZO	TNKT 1
## CTGTGCTCAATGCCAT.1_3	YUENZO	Mono 2
## CTGTGCTGTCTCGTTC.1_3	YUENZO	B 3
## CTGTTTACAAGCCATT.1_3	YUENZO	B 3
## CTTAACTAGCTTATCG.1_3	YUENZO	CD4T 1
## CTTAACTAGTGGTCCC.1_3	YUENZO	CD4T 6
## CTTAACTGTAGGGACT.1_3	YUENZO	B 1
## CTTAACTGTTTGGCGC.1_3	YUENZO	Mono 4
## CTTACCGTCTACGAGT.1_3	YUENZO	CD4T 2
## CTTCTCTAGCTTCGCG.1_3	YUENZO	CD4T 6
## CTTCTCTCAAGGACAC.1_3	YUENZO	B 3
## CTTCTCTGTCTAGTGT.1_3	YUENZO	Mono 3
## CTTCTCTGTTTGGCGC.1_3	YUENZO	CD4T 6
## CTTCTCTTCAACCAAC.1_3	YUENZO	B 3
## CTTGGCTAGTGGGTTG.1_3	YUENZO	B 2
## CTTGGCTGTTCCAACA.1_3	YUENZO	Mono 5
## CTTGGCTTCGTGACAT.1_3	YUENZO	Mono 8
## GAAACTCCACTTAACG.1_3	YUENZO	CD8T 2
## GAAACTCGTCTCCCTA.1_3	YUENZO	CD8T 2
## GAAATGACATCGATGT.1_3	YUENZO	CD4T 2
## GAACCTAAGGATTCCG.1_3	YUENZO	Mono 2
## GAACCTAAGTAAGTAC.1_3	YUENZO	CD4T 2
## GAACCTAAGTCCCACG.1_3	YUENZO	B 2
## GAACCTAGTCCGAGTC.1_3	YUENZO	CD4T 6
## GAACCTATCGATGAGG.1_3	YUENZO	B 5
## GAACGGACACCCAGTG.1_3	YUENZO	TNKT 1
## GAACGGATCGCCCTTA.1_3	YUENZO	TNKT 1
## GAAGCAGTCACGACTA.1_3	YUENZO	CD4T 1
## GAATAAGAGTGCCAGA.1_3	YUENZO	Mono 5
## GAATAAGCATCGACGC.1_3	YUENZO	NK 2
## GAATAAGTCCTAGAAC.1_3	YUENZO	CD8T 3
## GAATGAATCTAAGCCA.1_3	YUENZO	NK 1
## GACACGCAGTCACGCC.1_3	YUENZO	B 3
## GACACGCCAGTGGGAT.1_3	YUENZO	NK 4
## GACACGCCATCCCATC.1_3	YUENZO	B 2
## GACAGAGGTTTGACAC.1_3	YUENZO	CD4T 1
## GACCAATTCCATGCTC.1_3	YUENZO	Mono 4
## GACCTGGCATGGTTGT.1_3	YUENZO	CD8T 1
## GACCTGGGTGAACCTT.1_3	YUENZO	CD4T 2
## GACCTGGTCAGTTTGG.1_3	YUENZO	Mono 1
## GACGCGTAGTACCGGA.1_3	YUENZO	Mono 3
## GACGCGTAGTTGTCGT.1_3	YUENZO	CD4T 1
## GACGGCTCAGTAAGAT.1_3	YUENZO	B 3
## GACGGCTCATCAGTCA.1_3	YUENZO	B 3
## GACGGCTTCCGAATGT.1_3	YUENZO	B 1
## GACGTGCAGATGGGTC.1_3	YUENZO	NK 3
## GACGTGCCAAACGCGA.1_3	YUENZO	TNKT 1

## GACGTGCCACAGGTTT.1_3	YUENZO	Mono 8
## GACGTTAAGACAGACC.1_3	YUENZO	TNKT 1
## GACGTTACAGAGTGTG.1_3	YUENZO	Mono 3
## GACGTTACATCGGTTA.1_3	YUENZO	CD4T 4
## GACGTTATCAACACGT.1_3	YUENZO	NK 3
## GACTAACGTAACGCGA.1_3	YUENZO	TNKT 1
## GACTAACGTCCCTACT.1_3	YUENZO	B 2
## GACTACAAGTGACCT.1_3	YUENZO	CD4T 7
## GACTACACAAACCTAC.1_3	YUENZO	TNKT 1
## GACTACAGTGAAATCA.1_3	YUENZO	CD4T 1
## GACTACAGTGCATCTA.1_3	YUENZO	TNKT 1
## GAGCAGAGTCTACCTC.1_3	YUENZO	CD8T 3
## GAGCAGAGTTGTTTGG.1_3	YUENZO	CD4T 2
## GAGCAGATCCTAGAAC.1_3	YUENZO	Mono 3
## GAGCAGATCGCCTGTT.1_3	YUENZO	Mono 4
## GAGCAGATCGCTAGCG.1_3	YUENZO	Mono 2
## GAGGTGAAGACTAGGC.1_3	YUENZO	Mono 8
## GAGGTGACAGCAGTTT.1_3	YUENZO	NK 3
## GAGGTGATCCCTCTTT.1_3	YUENZO	B 2
## GAGTCCGGTTGGTTTG.1_3	YUENZO	B 3
## GAGTCCGTGCAATGGG.1_3	YUENZO	TNKT 1
## GATCAGTAGGCACATG.1_3	YUENZO	TNKT 1
## GATCAGTCACCCTATC.1_3	YUENZO	TNKT 1
## GATCAGTGTCCAATA.1_3	YUENZO	B 2
## GATCAGTTCGAGAACG.1_3	YUENZO	B 3
## GATCGATGTCCGTGAC.1_3	YUENZO	CD4T 4
## GATCGCGAGTCCATAC.1_3	YUENZO	CD4T 6
## GATCGTAAGCGAGAAA.1_3	YUENZO	B 2
## GATCGTAGTTAAGACA.1_3	YUENZO	CD4T 4
## GATCTAGAGACAAAGG.1_3	YUENZO	CD8T 2
## GATCTAGAGCAATATG.1_3	YUENZO	CD4T 1
## GATCTAGGTGTGACGA.1_3	YUENZO	NK 2
## GATGAAAAGAGACTTA.1_3	YUENZO	B 1
## GATGAGGCACCACCAG.1_3	YUENZO	B 3
## GATGAGGCACGGTAAG.1_3	YUENZO	CD4T 2
## GATGAGGTCTGTCTCG.1_3	YUENZO	B 3
## GATGCTAAGAAAGTGG.1_3	YUENZO	TNKT 1
## GATGCTATCGTAGGAG.1_3	YUENZO	NK 1
## GATTAGAGCACCGTC.1_3	YUENZO	Mono 3
## GCAAAGTACCGGATTT.1_3	YUENZO	NK 3
## GCAAAGTCTTTAGTC.1_3	YUENZO	TNKT 2
## GCAATCACACGTGAGA.1_3	YUENZO	NK 2
## GCACTCTGTTGAGGTG.1_3	YUENZO	B 1
## GCACTCTGTTGTCGCG.1_3	YUENZO	CD4T 2
## GCAGCCAGTATGAAAC.1_3	YUENZO	CD4T 6
## GCAGCCATCACATAGC.1_3	YUENZO	CD4T 7
## GCAGCCATCCAAGCCG.1_3	YUENZO	NK 3
## GCAGTTAAGCTCCTTC.1_3	YUENZO	CD8T 3
## GCAGTTACAAGTTAAG.1_3	YUENZO	TNKT 1
## GCAGTTATCTTCGAGA.1_3	YUENZO	NK 3
## GCATGATCACGCATCG.1_3	YUENZO	B 4
## GCATGCGAGCGCCTTG.1_3	YUENZO	CD4T 6
## GCATGCGGTAAGTGGC.1_3	YUENZO	Mono 5
## GCATGTAAGACATAAC.1_3	YUENZO	Mono 2

## GCCAAATCAGTGGGAT.1_3	YUENZO	B 2
## GCCTCTAGTCTGCCAG.1_3	YUENZO	B 1
## GCGACCAGTCTCTCGT.1_3	YUENZO	B 2
## GCGAGAACAGTCAGCC.1_3	YUENZO	CD4T 6
## GCGCAACGTATATGAG.1_3	YUENZO	B 2
## GCGCAGTCATACTCTT.1_3	YUENZO	CD4T 4
## GCGCCAAAGGGAGTAA.1_3	YUENZO	Mono 8
## GCGCCAAGTTTGGCGC.1_3	YUENZO	CD8T 3
## GCGCGATAGGGATAACC.1_3	YUENZO	B 2
## GCGCGATGTTCTCATT.1_3	YUENZO	Mono 4
## GCGGGTTTTCGCGCCAA.1_3	YUENZO	TNKT 1
## GCTCCTACAAGGGTCA.1_3	YUENZO	TNKT 1
## GCTCTGTGTTGGACCC.1_3	YUENZO	B 1
## GCTCTGTTCAGTGTTG.1_3	YUENZO	B 2
## GCTGCAGAGATGTTAG.1_3	YUENZO	B 2
## GCTGCGAAGATCCTGT.1_3	YUENZO	Mono 8
## GCTGCGAGTTTGACAC.1_3	YUENZO	CD4T 7
## GCTGGGTCACCACCAG.1_3	YUENZO	NK 2
## GCTGGGTTCTGAGGGA.1_3	YUENZO	CD4T 4
## GCTTCCAAGAGGGATA.1_3	YUENZO	Mono 4
## GCTTCCAGTCGAAAGC.1_3	YUENZO	Mono 8
## GCTTCCAGTCGGGTCT.1_3	YUENZO	CD4T 6
## GCTTCCATCGGAGGTA.1_3	YUENZO	Mono 4
## GCTTGAAGTTCCGGCA.1_3	YUENZO	NK 4
## GCTTGAAGTTGCGCAC.1_3	YUENZO	CD8T 1
## GCTTGAATCGGATGGA.1_3	YUENZO	Mono 4
## GGAACCTTGTGTATGGG.1_3	YUENZO	CD4T 6
## GGACAAGCAAGGTTTC.1_3	YUENZO	CD4T 6
## GGACAGATCGGCGGTT.1_3	YUENZO	NK 3
## GGACATTAGCACACAG.1_3	YUENZO	CD8T 1
## GGACGTCGTTGGACCC.1_3	YUENZO	B 3
## GGAGCAAAGCCCAACC.1_3	YUENZO	B 3
## GGAGCAAAGTTAACGA.1_3	YUENZO	B 2
## GGAGCAACACTGAAGG.1_3	YUENZO	B 3
## GGAGCAATCAAGGTAA.1_3	YUENZO	B 3
## GGAGCAATCAGCAACT.1_3	YUENZO	TNKT 1
## GGATGTTTCAGCATACT.1_3	YUENZO	B 1
## GGATGTTTCTGTCCGT.1_3	YUENZO	TNKT 2
## GGCAATTAGTTAAGTG.1_3	YUENZO	B 3
## GGCAATTAGTTCGCGC.1_3	YUENZO	Mono 5
## GGCAATTGTGACTCAT.1_3	YUENZO	TNKT 1
## GGCAATTTCAACACCA.1_3	YUENZO	TNKT 1
## GGCAATTTCTGTCTGAA.1_3	YUENZO	CD4T 6
## GGCCGATCATAGGATA.1_3	YUENZO	B 1
## GGCCGATGTCAATACC.1_3	YUENZO	NK 1
## GGCGACTGTAAGTTCC.1_3	YUENZO	CD8T 3
## GGCGTGTAGGTAGCCA.1_3	YUENZO	B 1
## GGCTCGAAGATGGGTC.1_3	YUENZO	CD4T 7
## GGCTGGTAGACACGAC.1_3	YUENZO	B 2
## GGCTGGTTCATTCACT.1_3	YUENZO	CD4T 2
## GGGAATGCAATGACCT.1_3	YUENZO	B 1
## GGGAATGCACATTAGC.1_3	YUENZO	B 1
## GGGACCTAGTGGAGTC.1_3	YUENZO	CD4T 2
## GGGACCTGTTGCCTCT.1_3	YUENZO	CD4T 2

## GGGACCTTCTATGTGG.1_3	YUENZO	B 3
## GGGAGATAGATGAGAG.1_3	YUENZO	NK 1
## GGGAGATGTACCGGCT.1_3	YUENZO	CD4T 7
## GGGATGAGTCAAACCTC.1_3	YUENZO	B 3
## GGGCACTTCTTCTGGC.1_3	YUENZO	Mono 8
## GGGTCTGCAAGGCTCC.1_3	YUENZO	B 1
## GGGTTGCAGAAACGAG.1_3	YUENZO	B 2
## GGGTTGCCACTGTTAG.1_3	YUENZO	B 3
## GGGTTGCGTTCCACTC.1_3	YUENZO	NK 2
## GGTATTGAGTACGACG.1_3	YUENZO	B 2
## GGTATTGGTCGGCACT.1_3	YUENZO	TNKT 1
## GGTATTGTCTAACTCT.1_3	YUENZO	TNKT 1
## GGTATTGTCTGCAAGT.1_3	YUENZO	B 2
## GGTGAAGCATAGGATA.1_3	YUENZO	B 1
## GGTGCGTCAGGGCATA.1_3	YUENZO	B 2
## GGTGCGTGTTATTCTC.1_3	YUENZO	Mono 2
## GGTGCGTTCTGATTCT.1_3	YUENZO	B 1
## GGTGTTACACCAGGTC.1_3	YUENZO	B 2
## GGTGTTAGTCTCATCC.1_3	YUENZO	Mono 2
## GTAACGTAGTAACCCT.1_3	YUENZO	TNKT 1
## GTAACGTCAACTGCTA.1_3	YUENZO	B 2
## GTAACGTAGCCCGAAA.1_3	YUENZO	TNKT 2
## GTAACGTAGTTCGCAT.1_3	YUENZO	CD4T 1
## GTACGTAAGACAAAGG.1_3	YUENZO	CD4T 6
## GTACGTAAGTGACCT.1_3	YUENZO	CD4T 3
## GTACGTATCCCATTTA.1_3	YUENZO	B 1
## GTACGTATCTCTAGGA.1_3	YUENZO	CD4T 6
## GTACTTTAGAGGTTGC.1_3	YUENZO	NK 3
## GTACTTTAGATGGGTC.1_3	YUENZO	CD4T 2
## GTACTTTAGTTACCCA.1_3	YUENZO	NK 3
## GTACTTTCAACTGGCC.1_3	YUENZO	TNKT 1
## GTACTTTGTGGTCCGT.1_3	YUENZO	NK 1
## GTAGGCCTCGGAGCAA.1_3	YUENZO	TNKT 1
## GTAGTCAGTCGGATCC.1_3	YUENZO	B 3
## GTAGTCATCAACACGT.1_3	YUENZO	Mono 5
## GTATCTTCAGGTGCCT.1_3	YUENZO	CD8T 1
## GTATCTTTCAGCACAT.1_3	YUENZO	B 2
## GTATTCTCAATCGGTT.1_3	YUENZO	NK 1
## GTATTCTTCTCTAAGG.1_3	YUENZO	NK 2
## GTATTCTTCTGGCGAC.1_3	YUENZO	B 2
## GTCACAAGTCTGCGGT.1_3	YUENZO	NK 1
## GTCACAATCTAAGCCA.1_3	YUENZO	TNKT 1
## GTCCTCAAGAGCCCAA.1_3	YUENZO	NK 3
## GTCCTCACAGTTTACG.1_3	YUENZO	B 1
## GTCCTCATCGATGAGG.1_3	YUENZO	B 1
## GTCCTCATCTCAACTT.1_3	YUENZO	B 1
## GTCGGGTGTCTAGCG.1_3	YUENZO	Mono 8
## GTCGTAACAAGTCTAC.1_3	YUENZO	B 3
## GTCGTAAGTCCAGTAT.1_3	YUENZO	CD4T 1
## GTCGTAAGTTTACTCT.1_3	YUENZO	CD4T 3
## GTCTCGTCACTGTTAG.1_3	YUENZO	Mono 8
## GTCTCGTCATAGGATA.1_3	YUENZO	TNKT 1
## GTCTCGTGTTCCCTTG.1_3	YUENZO	TNKT 1
## GTCTTCGAGCCCAACC.1_3	YUENZO	TNKT 1

## GTCTTCGGTCTAGGTT.1_3	YUENZO	NK 1
## GTGAAGGAGACAGGCT.1_3	YUENZO	CD4T 1
## GTGAAGGGTGTGTGCC.1_3	YUENZO	CD8T 1
## GTGAAGGTCAAAGTAG.1_3	YUENZO	TNKT 1
## GTGAAGGTCTCTTATG.1_3	YUENZO	NK 2
## GTGCAGCAGAACAAC.1_3	YUENZO	B 2
## GTGCAGCAGAAGGCCT.1_3	YUENZO	CD4T 3
## GTGCATAGTTCCTTG.1_3	YUENZO	TNKT 1
## GTGCATATCTGAGTGT.1_3	YUENZO	TNKT 1
## GTGCGGTGTGATGTGG.1_3	YUENZO	B 1
## GTGCTTCGTATATGGA.1_3	YUENZO	NK 2
## GTGCTTCGTCCAGTTA.1_3	YUENZO	B 3
## GTGGGTCCATTAGCCA.1_3	YUENZO	TNKT 2
## GTGGGTCTCAATCACG.1_3	YUENZO	CD4T 2
## GTGTGCGCACACGTG.1_3	YUENZO	B 1
## GTGTGCGCATCCGTGG.1_3	YUENZO	B 2
## GTGTGCGTCAAACCAC.1_3	YUENZO	NK 3
## GTGTTAGTCATGTCTT.1_3	YUENZO	NK 3
## GTTAAGCCACAGACAG.1_3	YUENZO	CD4T 7
## GTTAAGCGTTACGGAG.1_3	YUENZO	NK 3
## GTTAAGCTCGCAAAC.1_3	YUENZO	CD4T 7
## GTTAAGCTCTGCGTAA.1_3	YUENZO	CD4T 4
## GTTACAGCATCTCCCA.1_3	YUENZO	B 3
## GTTCATTACAGACAAGC.1_3	YUENZO	TNKT 1
## GTTCATTTTCGGAGGTA.1_3	YUENZO	Mono 8
## GTTCGGGAGGATCGCA.1_3	YUENZO	B 3
## GTTCGGGAGGCACATG.1_3	YUENZO	Mono 2
## GTTCGGGCATCACGAT.1_3	YUENZO	Mono 8
## GTTCTCGCACGAGAGT.1_3	YUENZO	CD4T 7
## GTTCTCGTCCAACCAA.1_3	YUENZO	CD4T 1
## GTTTCTAAGTACATGA.1_3	YUENZO	B 5
## TAAACCGAGCGGATCA.1_3	YUENZO	TNKT 1
## TAAGAGAAGACGCACA.1_3	YUENZO	TNKT 1
## TAAGAGAAGTAGATGT.1_3	YUENZO	B 3
## TAAGAGACAGTTAACC.1_3	YUENZO	NK 1
## TAAGAGATCAAGAAGT.1_3	YUENZO	TNKT 1
## TAAGTGCGTCAGAAGC.1_3	YUENZO	B 2
## TACACGAGTGAAGGCT.1_3	YUENZO	CD4T 7
## TACCTATCATGCAACT.1_3	YUENZO	Mono 4
## TACCTATTCCTGTACC.1_3	YUENZO	Mono 5
## TACCTTACACACATGT.1_3	YUENZO	NK 3
## TACCTTATCCGCAAGC.1_3	YUENZO	TNKT 1
## TACCTTATCTGCTGTC.1_3	YUENZO	B 2
## TACGGATCATGCGCAC.1_3	YUENZO	TNKT 1
## TACGGGCAGAAACGAG.1_3	YUENZO	B 2
## TACGGGCAGCAAATCA.1_3	YUENZO	B 2
## TACGGGCTCTATCGCC.1_3	YUENZO	Mono 4
## TACGGTAAGGGCATGT.1_3	YUENZO	CD8T 3
## TACGGTACAGATCGGA.1_3	YUENZO	NK 1
## TACGGTACAGGGCATA.1_3	YUENZO	B 3
## TACGGTATACCCGAG.1_3	YUENZO	NK 3
## TACTCATAGAGGGCTT.1_3	YUENZO	B 2
## TACTCATCATGGTCTA.1_3	YUENZO	B 2
## TACTCATCATTTGGGCC.1_3	YUENZO	Mono 3

## TACTCATGTAAGGGCT.1_3	YUENZO	TNKT 1
## TACTCATTCGTTACAG.1_3	YUENZO	CD4T 2
## TACTCATTCCTCGCATC.1_3	YUENZO	NK 1
## TACTCGCCACAGGTTT.1_3	YUENZO	CD4T 2
## TACTCGCTCTCAAGTG.1_3	YUENZO	CD4T 1
## TACTTACGTCCGAATT.1_3	YUENZO	Mono 2
## TACTTACTCACCTCGT.1_3	YUENZO	CD4T 6
## TACTTGTCAACACCCG.1_3	YUENZO	NK 1
## TACTTGTGTGCGGTGT.1_3	YUENZO	Mono 4
## TACTTGTTCCTAAGTG.1_3	YUENZO	Mono 2
## TAGAGCTAGACGCAAC.1_3	YUENZO	B 1
## TAGAGCTCACACCGAC.1_3	YUENZO	NK 2
## TAGAGCTGTCTAACGT.1_3	YUENZO	CD4T 3
## TAGAGCTGTGGTGTAG.1_3	YUENZO	NK 2
## TAGAGCTGTTATGTGC.1_3	YUENZO	CD4T 2
## TAGAGCTGTTCAGTAC.1_3	YUENZO	NK 2
## TAGCCGGAGAGAACAG.1_3	YUENZO	CD4T 6
## TAGCCGGTCAGCGATT.1_3	YUENZO	B 2
## TAGGCATAGCGCCTCA.1_3	YUENZO	B 2
## TAGGCATGTAGGGTAC.1_3	YUENZO	NK 3
## TAGGCATGTGCACGAA.1_3	YUENZO	TNKT 1
## TAGTGGTAGATCGATA.1_3	YUENZO	NK 3
## TAGTTGGGTCGAGATG.1_3	YUENZO	Mono 8
## TAGTTGGTCAACCAAC.1_3	YUENZO	Mono 8
## TATCAGGAGTGTGAA.1_3	YUENZO	Mono 3
## TATCAGGCATTAACCG.1_3	YUENZO	TNKT 2
## TATCAGGGTCCAATA.1_3	YUENZO	CD4T 2
## TATCAGGGTCGACTGC.1_3	YUENZO	B 1
## TATCTCACACACCGCA.1_3	YUENZO	Mono 4
## TATGCCCCAAGCCATT.1_3	YUENZO	Mono 8
## TATTACCAGACACTAA.1_3	YUENZO	CD4T 6
## TATTACCCAAGGTGTG.1_3	YUENZO	CD4T 1
## TATTACCTCGTTTATC.1_3	YUENZO	CD4T 3
## TATTACCTCTCGCATC.1_3	YUENZO	Mono 8
## TCAACGAGTCACAAGG.1_3	YUENZO	NK 4
## TCAATCTCATATACGC.1_3	YUENZO	B 2
## TCACAAGAGCTAGTCT.1_3	YUENZO	B 1
## TCACAAGTCGGCTACG.1_3	YUENZO	CD4T 1
## TCACGAAAGCGTAGTG.1_3	YUENZO	Mono 4
## TCACGAAGTCTAGAGG.1_3	YUENZO	B 1
## TCAGATGAGAATGTTG.1_3	YUENZO	Mono 5
## TCAGATGGTCTCACCT.1_3	YUENZO	NK 1
## TCAGATGTGCGCGCAT.1_3	YUENZO	Mono 4
## TCAGCAAAGAACTGTA.1_3	YUENZO	B 2
## TCAGCAACATCGATTG.1_3	YUENZO	TNKT 1
## TCAGCAAGTCCCTACT.1_3	YUENZO	Mono 4
## TCAGCAAGTTCTGTTT.1_3	YUENZO	Mono 4
## TCAGCTCAGTAGCCGA.1_3	YUENZO	B 2
## TCAGCTCGTGCAGACA.1_3	YUENZO	NK 3
## TCATTACTCGGCTTGG.1_3	YUENZO	Mono 5
## TCATTTGCACCTGGTG.1_3	YUENZO	Mono 5
## TCATTTGGTCTAACGT.1_3	YUENZO	Mono 8
## TCCCGATAGCACCGTC.1_3	YUENZO	TNKT 1
## TCCCGATAGCGTAATA.1_3	YUENZO	B 3

## TCCCGATTCTCCTATA.1_3	YUENZO	CD4T 6
## TCGCGAGGTTAAGTAG.1_3	YUENZO	B 2
## TCGCGTTAGTCTCCTC.1_3	YUENZO	B 3
## TCGCGTTTCAAACAAG.1_3	YUENZO	CD4T 2
## TCGGGACCAAGCGCTC.1_3	YUENZO	CD4T 7
## TCGGGACCATATGCTG.1_3	YUENZO	B 2
## TCGGGACTCAACGCTA.1_3	YUENZO	CD4T 4
## TCGGGACTCTGCCCTA.1_3	YUENZO	Mono 4
## TCGGTAAGTACCGGCT.1_3	YUENZO	Mono 8
## TCGGTAAGTCGAATCT.1_3	YUENZO	TNKT 1
## TCGTACCCAACCGCCA.1_3	YUENZO	NK 1
## TCGTACCCATGCCCGA.1_3	YUENZO	B 1
## TCGTACCGTCTAAAGA.1_3	YUENZO	Mono 4
## TCTATTGAGCGATAGC.1_3	YUENZO	B 3
## TCTATTGAGTGACGG.1_3	YUENZO	CD4T 7
## TCTATTGCAAAGGCGT.1_3	YUENZO	CD4T 7
## TCTCATACAGGTCCAC.1_3	YUENZO	NK 3
## TCTGGAACAAGGACTG.1_3	YUENZO	Mono 4
## TCTGGAACAGCTTCGG.1_3	YUENZO	CD4T 6
## TCTGGAACATGCAACT.1_3	YUENZO	NK 1
## TCTGGAATCGATAGAA.1_3	YUENZO	B 2
## TCTTTCCAGTTACGGG.1_3	YUENZO	TNKT 1
## TGAAAGAAGGGTCTCC.1_3	YUENZO	Mono 4
## TGAAAGATCAATAAGG.1_3	YUENZO	TNKT 1
## TGACAACCAAGCTGAG.1_3	YUENZO	CD4T 1
## TGACAACCACCGAATT.1_3	YUENZO	CD4T 3
## TGACGGCAGAGTCGGT.1_3	YUENZO	NK 1
## TGACGGCCACCGAAAG.1_3	YUENZO	TNKT 1
## TGACGGCTCTAGCACA.1_3	YUENZO	B 2
## TGA TAGAGCGACGTA.1_3	YUENZO	CD4T 2
## TGA TTTT CACGTCAGC.1_3	YUENZO	CD4T 6
## TGA TTTT TCAAACGGG.1_3	YUENZO	B 2
## TGA TTTT TCCTTTCGG.1_3	YUENZO	Mono 4
## TGAGAGGGTCCAAGTT.1_3	YUENZO	NK 4
## TGAGAGGGTTCGGCAC.1_3	YUENZO	Mono 4
## TGAGAGGTCCACGCAG.1_3	YUENZO	NK 2
## TGAGCATAGGCTAGAC.1_3	YUENZO	B 2
## TGAGCATAGGCTCATT.1_3	YUENZO	CD4T 7
## TGAGCATTCGCAAACT.1_3	YUENZO	Mono 5
## TGAGCCGAGCGGCTTC.1_3	YUENZO	CD4T 1
## TGAGCCGTCTTGTTTG.1_3	YUENZO	B 3
## TGAGGGAAGCCACGTC.1_3	YUENZO	CD4T 6
## TGAGGGACATGGTTGT.1_3	YUENZO	CD4T 6
## TGAGGGATCCAAACTG.1_3	YUENZO	CD4T 1
## TGAGGGATCTCACATT.1_3	YUENZO	CD4T 6
## TGATTTT CAGAATTCCC.1_3	YUENZO	B 2
## TGATTTT CCAGCCAGAA.1_3	YUENZO	CD4T 3
## TGCACCTGTCTGCTT.1_3	YUENZO	NK 1
## TGCCAAAAGCACGCCT.1_3	YUENZO	B 2
## TGCCAAAGTCCGCTGA.1_3	YUENZO	TNKT 2
## TGCCAAATCCACTCCA.1_3	YUENZO	TNKT 1
## TGCCCATAGCCGGTAA.1_3	YUENZO	B 1
## TGCCCATAGCTGCGAA.1_3	YUENZO	CD4T 2
## TGCCCATGTACCGTTA.1_3	YUENZO	CD4T 1

## TGCCCATTCACGAAT.1_3	YUENZO	Mono 1
## TGCCCATTCCTTCAAT.1_3	YUENZO	CD8T 3
## TGCCCATTCGGAATA.1_3	YUENZO	Mono 2
## TGCCCTAGTCGACTGC.1_3	YUENZO	B 1
## TGCGGGTCAAGTCTAC.1_3	YUENZO	Mono 5
## TGCGGGTTCGTACGGC.1_3	YUENZO	Mono 8
## TGCTACCTCTAACTCT.1_3	YUENZO	B 2
## TGCTGCTAGAGAGCTC.1_3	YUENZO	Mono 8
## TGCTGCTCAGCTCGAC.1_3	YUENZO	Mono 5
## TGGACGCCACAAGACG.1_3	YUENZO	NK 1
## TGGACGCTCCCACTTG.1_3	YUENZO	CD4T 6
## TGGCCAGAGAGGGATA.1_3	YUENZO	Mono 4
## TGGCTGGTCCATGCTC.1_3	YUENZO	NK 4
## TGGGAAGAGATGCCAG.1_3	YUENZO	B 2
## TGGGAAGTCCAAACTG.1_3	YUENZO	B 1
## TGGGCGTCAAATACAG.1_3	YUENZO	CD4T 7
## TGGGCGTCAGCTTCGG.1_3	YUENZO	TNKT 1
## TGGGCGTGTACATCCA.1_3	YUENZO	CD4T 1
## TGGGCGTGTATGCGT.1_3	YUENZO	CD4T 1
## TGGTTAGAGACCTTTG.1_3	YUENZO	CD4T 6
## TGGTTAGGTCGCGTGT.1_3	YUENZO	CD4T 5
## TGGTTCCAGCCGAAA.1_3	YUENZO	TNKT 1
## TGGTTCCGTAGCGTGA.1_3	YUENZO	NK 4
## TGTATTCCAGAGCTTCT.1_3	YUENZO	TNKT 1
## TGTATTCCAGTGCTGCC.1_3	YUENZO	CD8T 1
## TGTATTCCACCGAATT.1_3	YUENZO	B 3
## TGTATTCCGTCATTAGC.1_3	YUENZO	B 1
## TGTATTCCGTGCAGGTA.1_3	YUENZO	CD8T 1
## TGTATTCCGTTTGTTGG.1_3	YUENZO	B 2
## TGTCCCACAATAGCGG.1_3	YUENZO	B 2
## TGTCCCACAGCTTAAC.1_3	YUENZO	CD4T 1
## TGTGGTACAATTCCTT.1_3	YUENZO	Mono 4
## TGTGGTAGTGCACTTA.1_3	YUENZO	CD4T 5
## TGTGGTATCTGTTGAG.1_3	YUENZO	CD4T 6
## TGTGTTTTCACGAGGTA.1_3	YUENZO	CD4T 2
## TGTTCCGAGGCCATAG.1_3	YUENZO	CD4T 3
## TGTTCCGAGGTGCTAG.1_3	YUENZO	B 1
## TGTTCCGTCGCCAAAT.1_3	YUENZO	TNKT 1
## TTAAGTCTCAGTGCAT.1_3	YUENZO	CD8T 3
## TTAGGACAGGATGCGT.1_3	YUENZO	CD4T 7
## TTAGGACCAGACAGGT.1_3	YUENZO	CD4T 1
## TTAGGACGTTGAGGTG.1_3	YUENZO	Mono 4
## TTAGGACTCACCTCA.1_3	YUENZO	NK 1
## TTAGGCAAGAGGTAGA.1_3	YUENZO	B 3
## TTAGGCAGTCAGTGGA.1_3	YUENZO	CD4T 6
## TTAGGCATCGTGGGA.1_3	YUENZO	B 2
## TTATGCTGTTATCGGT.1_3	YUENZO	TNKT 2
## TTATGCTTCACATACG.1_3	YUENZO	B 3
## TTATGCTTCGAGAGCA.1_3	YUENZO	B 3
## TTCGAAGAGCCCAATT.1_3	YUENZO	B 2
## TTCGGTCGTATGGTTC.1_3	YUENZO	CD4T 2
## TTCTCAAAGCTTATCG.1_3	YUENZO	B 1
## TTCTCAAAGTGTTGGA.1_3	YUENZO	CD4T 1
## TTCTCCTTCAATCTCT.1_3	YUENZO	B 4

## TTCTTAGTCATGGTCA.1_3	YUENZO	B 3
## TTGACTTAGATATACG.1_3	YUENZO	CD4T 6
## TTGACTTCACGTGAGA.1_3	YUENZO	B 1
## TTGCCGTAGGATATAC.1_3	YUENZO	Mono 8
## TTGCCGTAGGGCTCTC.1_3	YUENZO	CD8T 3
## TTGCCGTCAAGCGAGT.1_3	YUENZO	NK 3
## TTGTAGGAGATGTGGC.1_3	YUENZO	TNKT 1
## TTGTAGGCACGTCAGC.1_3	YUENZO	TNKT 1
## TTGTAGGCAGCTTCGG.1_3	YUENZO	TNKT 1
## TTTCTCAGCCACCTG.1_3	YUENZO	Mono 4
## TTTCTCCAGTATGCT.1_3	YUENZO	Mono 4
## TTTCTCGTTGGAGGT.1_3	YUENZO	CD4T 6
## TTTGCGCTCTGGTGT.1_3	YUENZO	B 1
## TTTGTCAAGAGTCGGT.1_3	YUENZO	Mono 4
## TTTGTCACACAGTCGC.1_3	YUENZO	TNKT 1
## TTTGTCATCTTGGGT.1_3	YUENZO	TNKT 1
## AAACCTGAGAAAGTGG.1_4	YUKEND	CD4T 2
## AAACCTGAGCGATGAC.1_4	YUKEND	CD4T 3
## AAACCTGAGGTACTCT.1_4	YUKEND	NK 1
## AAACCTGCACAGCCCA.1_4	YUKEND	B 2
## AAACCTGGTGTAAGTA.1_4	YUKEND	TNKT 1
## AAACCTGTGCTTTGCC.1_4	YUKEND	NK 3
## AAACGGGGTCTAGCCG.1_4	YUKEND	NK 4
## AAAGATGAGAGCCTAG.1_4	YUKEND	Mono 8
## AAAGATGAGCACACAG.1_4	YUKEND	NK 3
## AAAGATGCAGTCGTGC.1_4	YUKEND	NK 1
## AAAGATGCAGTTCCCT.1_4	YUKEND	Mono 2
## AAAGATGGTCAAGCGA.1_4	YUKEND	CD4T 2
## AAAGCAAAGCTGAAAT.1_4	YUKEND	CD4T 2
## AAAGCAAGTCATCCCT.1_4	YUKEND	CD4T 1
## AAAGCAATCACCGGGT.1_4	YUKEND	CD4T 1
## AAAGTAGAGTGCTGCC.1_4	YUKEND	Mono 8
## AAAGTAGGTTATTCTC.1_4	YUKEND	Mono 1
## AAAGTAGTCCAACCAA.1_4	YUKEND	Mono 5
## AAAGTAGTCCACGTGG.1_4	YUKEND	B 2
## AAAGTAGTCTCTAGGA.1_4	YUKEND	Mono 5
## AAATGCCCAAGCCGCT.1_4	YUKEND	CD4T 1
## AAATGCCCAATACGCT.1_4	YUKEND	NK 2
## AAATGCCCAGCCACCA.1_4	YUKEND	Mono 1
## AAATGCCCATTACCTT.1_4	YUKEND	CD8T 1
## AAATGCCGTAGTAGTA.1_4	YUKEND	CD4T 2
## AAATGCCGTATATCCG.1_4	YUKEND	TNKT 1
## AAATGCCGTGACAAAT.1_4	YUKEND	B 2
## AAATGCCGTGCACGAA.1_4	YUKEND	NK 3
## AACACGTGTTACGGAG.1_4	YUKEND	NK 2
## AACACGTTCAACGAAA.1_4	YUKEND	Mono 1
## AACACGTTCACCGGGT.1_4	YUKEND	CD4T 6
## AACACGTTCACTTCAT.1_4	YUKEND	CD4T 2
## AACCATGAGGATCGCA.1_4	YUKEND	Mono 4
## AACCATGCAGGCAGTA.1_4	YUKEND	CD4T 1
## AACCATGCATTGGGCC.1_4	YUKEND	CD4T 4
## AACCATGGTACGAAAT.1_4	YUKEND	CD4T 4
## AACCATGTCAAGGCTT.1_4	YUKEND	CD4T 1
## AACCATGTCGAACTGT.1_4	YUKEND	Mono 7

## AACCGCGAGCTGCCCC.1_4	YUKEND	CD4T 4
## AACCGCGAGGCGATAC.1_4	YUKEND	Mono 2
## AACCGCGAGGGAGTAA.1_4	YUKEND	Mono 8
## AACCGCGCATTAACCG.1_4	YUKEND	Mono 5
## AACGTTGAGCACCGCT.1_4	YUKEND	Mono 3
## AACGTTGAGCCTTGAT.1_4	YUKEND	CD4T 4
## AACGTTGCAGCTGTGC.1_4	YUKEND	CD4T 7
## AACGTTGTCCAACCAA.1_4	YUKEND	CD8T 2
## AACGTTGTGCGAGGCT.1_4	YUKEND	B 2
## AACGTTGTCTCACATT.1_4	YUKEND	Mono 4
## AACGTTGTCTTTCCTC.1_4	YUKEND	CD4T 4
## AACTCAGCAACACGCC.1_4	YUKEND	NK 2
## AACTCAGCACACGCTG.1_4	YUKEND	Mono 7
## AACTCAGCAGTTCCT.1_4	YUKEND	TNKT 2
## AACTCAGTCACCGGGT.1_4	YUKEND	TNKT 2
## AACTCCCAGTTCGCGC.1_4	YUKEND	CD8T 1
## AACTCCCCAATCACAC.1_4	YUKEND	Mono 2
## AACTCCCCAGCCTTTC.1_4	YUKEND	CD4T 4
## AACTCCCTCCGTTGTC.1_4	YUKEND	TNKT 1
## AACTCCCTCCTCGCAT.1_4	YUKEND	NK 3
## AACTCTTAGGCCCGTT.1_4	YUKEND	B 2
## AACTCTTCACCACGTG.1_4	YUKEND	Mono 7
## AACTCTTTCCAAGTAC.1_4	YUKEND	Mono 4
## AACTCTTTCGGCTTGG.1_4	YUKEND	Mono 9
## AACTGGTAGACTACAA.1_4	YUKEND	CD4T 6
## AACTGGTCAATGTAAG.1_4	YUKEND	NK 2
## AACTGGTCAGTCAGAG.1_4	YUKEND	CD8T 2
## AACTGGTGTGACCAAG.1_4	YUKEND	B 2
## AACTGGTTCATAGCAC.1_4	YUKEND	TNKT 2
## AACTTTTCAGGATTCGG.1_4	YUKEND	CD4T 1
## AACTTTCCACCCATTC.1_4	YUKEND	NK 3
## AACTTTCCACGGCGTT.1_4	YUKEND	Mono 5
## AACTTTCTCGCAAGCC.1_4	YUKEND	Mono 4
## AAGACCTAGAGCTGCA.1_4	YUKEND	NK 1
## AAGACCTAGTACGTAA.1_4	YUKEND	Mono 2
## AAGACCTAGTGAATTG.1_4	YUKEND	Mono 8
## AAGACCTGTACCAGTT.1_4	YUKEND	B 2
## AAGACCTGTATTCTC.1_4	YUKEND	Mono 9
## AAGACCTTCACATAGC.1_4	YUKEND	CD4T 2
## AAGACCTTCTCGTTTA.1_4	YUKEND	B 2
## AAGCCGCGAGACACTAA.1_4	YUKEND	NK 3
## AAGCCGCGTTGATTCTG.1_4	YUKEND	CD4T 4
## AAGGAGCAGCAGATCG.1_4	YUKEND	Mono 2
## AAGGAGCGTTCAGCGC.1_4	YUKEND	TNKT 1
## AAGGCAGAGAGACGAA.1_4	YUKEND	Mono 1
## AAGGCAGAGGAATTAC.1_4	YUKEND	Mono 4
## AAGGCAGGTAAGTGGC.1_4	YUKEND	B 2
## AAGGTTCCAAGCTGAG.1_4	YUKEND	Mono 2
## AAGGTTCCATCTGGTA.1_4	YUKEND	Mono 8
## AAGGTTCTCGTTACGA.1_4	YUKEND	Mono 4
## AAGTCTGGTGGACGAT.1_4	YUKEND	Mono 8
## AAGTCTGGTTTAAGCC.1_4	YUKEND	Mono 3
## AAGTCTGTCAGCCTAA.1_4	YUKEND	CD4T 6
## AATCCAGAGACAAAGG.1_4	YUKEND	TNKT 1

## AATCCAGAGGCCCGTT.1_4	YUKEND	TNKT 2
## AATCCAGAGTAGCCGA.1_4	YUKEND	CD4T 4
## AATCCAGAGTTGTAGA.1_4	YUKEND	Mono 8
## AATCCAGCATCGGGTC.1_4	YUKEND	Mono 4
## AATCGGTAGTCATCCA.1_4	YUKEND	NK 3
## AATCGGTCACAGCCCA.1_4	YUKEND	CD8T 1
## AATCGGTCACTGTCGG.1_4	YUKEND	B 2
## AATCGGTGTATAGGTA.1_4	YUKEND	B 2
## AATCGGTGTTACGTCA.1_4	YUKEND	CD4T 4
## AATCGGTTCCGTAGTA.1_4	YUKEND	Mono 9
## ACACCAAAGACAGACC.1_4	YUKEND	NK 3
## ACACCAAAGAGCAATT.1_4	YUKEND	Mono 4
## ACACCAAAGGGAGTAA.1_4	YUKEND	NK 2
## ACACCAAGTCACCTAA.1_4	YUKEND	CD4T 1
## ACACCAAGTCATTAGC.1_4	YUKEND	CD4T 4
## ACACCAAGTCCAGTTA.1_4	YUKEND	CD4T 2
## ACACCAAGTTCAGCGC.1_4	YUKEND	CD4T 1
## ACACCAATCACTTACT.1_4	YUKEND	NK 1
## ACACCCTAGAAGGACA.1_4	YUKEND	CD8T 2
## ACACCCTAGCAATCTC.1_4	YUKEND	Mono 1
## ACACCCTCAAGAGGCT.1_4	YUKEND	NK 3
## ACACCCTGTAATTGGA.1_4	YUKEND	TNKT 1
## ACACCCTGTCTAAAGA.1_4	YUKEND	NK 3
## ACACCCTGTTACAGAA.1_4	YUKEND	NK 2
## ACACCCTTCATGCATG.1_4	YUKEND	CD8T 1
## ACACCGGAGTTAAGTG.1_4	YUKEND	TNKT 2
## ACACCGGCAATGGAGC.1_4	YUKEND	TNKT 1
## ACACCGGCATTCTTAC.1_4	YUKEND	TNKT 2
## ACACCGGGTATATCCG.1_4	YUKEND	CD4T 4
## ACACCGGGTGCCTGCA.1_4	YUKEND	Mono 3
## AACTGAGTACCAGTT.1_4	YUKEND	NK 3
## AACTGAGTGTATGGG.1_4	YUKEND	CD4T 7
## ACAGCCGAGTAGCGGT.1_4	YUKEND	CD4T 6
## ACAGCCGCAGCGTTTCG.1_4	YUKEND	Mono 8
## ACAGCCGCAGGGATTG.1_4	YUKEND	Mono 4
## ACAGCCGGTGTGCCTG.1_4	YUKEND	Mono 8
## ACAGCCGTCGATCCCT.1_4	YUKEND	CD8T 2
## ACAGCTAAGCGGCTTC.1_4	YUKEND	CD4T 6
## ACAGCTAAGGCCCTTG.1_4	YUKEND	Mono 9
## ACAGCTACAAACGCGA.1_4	YUKEND	CD4T 2
## ACAGCTACATCTATGG.1_4	YUKEND	NK 1
## ACAGCTACATGAACCT.1_4	YUKEND	CD4T 6
## ACAGCTATCAGAGGTG.1_4	YUKEND	Mono 1
## ACAGCTATCCGCATCT.1_4	YUKEND	Mono 3
## ACATACGAGGCCCGTT.1_4	YUKEND	Mono 8
## ACATACGCATCACAAAC.1_4	YUKEND	CD4T 2
## ACATACGCATCTCGCT.1_4	YUKEND	Mono 1
## ACATACGGTCCCTACT.1_4	YUKEND	CD4T 2
## ACATACGGTTTAAGCC.1_4	YUKEND	B 2
## ACATCAGAGATGTGTA.1_4	YUKEND	Mono 4
## ACATCAGAGTTTCCTT.1_4	YUKEND	NK 3
## ACATCAGCATATACGC.1_4	YUKEND	CD4T 2
## ACATCAGTCTGCGACG.1_4	YUKEND	CD4T 2
## ACATGGTAGTGCTGCC.1_4	YUKEND	TNKT 1

## ACATGGTCACCAACAG.1_4	YUKEND	Mono 8
## ACATGGTGTAGGCATG.1_4	YUKEND	B 2
## ACATGGTTCTTCCTTC.1_4	YUKEND	TNKT 2
## ACCAGTACAAGCCTAT.1_4	YUKEND	Mono 4
## ACCAGTAGTTATGTGC.1_4	YUKEND	Mono 7
## ACCAGTATCATGCATG.1_4	YUKEND	Mono 2
## ACCCACTAGTGATCGG.1_4	YUKEND	TNKT 1
## ACCCACTCACGCATCG.1_4	YUKEND	Mono 4
## ACCCACTCATCACAAC.1_4	YUKEND	Mono 7
## ACCCACTGTTGGTGGA.1_4	YUKEND	Mono 5
## ACCCACTTCCCGGATG.1_4	YUKEND	Mono 4
## ACCCACTTCCGTTGTC.1_4	YUKEND	Mono 2
## ACCGTAAAGTAGGTGC.1_4	YUKEND	Mono 3
## ACCGTAAACAGCTCCGA.1_4	YUKEND	CD4T 2
## ACCGTAAAGTAAGAGGA.1_4	YUKEND	CD8T 1
## ACCGTAAAGTCGCTTTC.1_4	YUKEND	NK 1
## ACCTTTAAGTAAGTAC.1_4	YUKEND	NK 1
## ACCTTTACAGACAAGC.1_4	YUKEND	CD4T 2
## ACCTTTACAGTTAACC.1_4	YUKEND	NK 3
## ACCTTTATCGGCATCG.1_4	YUKEND	Mono 9
## ACGAGCCAGACTTGAA.1_4	YUKEND	Mono 4
## ACGAGCCCACATCCAA.1_4	YUKEND	CD8T 1
## ACGAGCCCAGATGGGT.1_4	YUKEND	Mono 4
## ACGAGGACAGGATTGG.1_4	YUKEND	CD4T 7
## ACGAGGAGTAGGCATG.1_4	YUKEND	CD4T 1
## ACGAGGAGTCACCCAG.1_4	YUKEND	Mono 8
## ACGAGGATCCGAGCCA.1_4	YUKEND	Mono 4
## ACGAGGATCCGGGTGT.1_4	YUKEND	CD4T 2
## ACGATACCAGTTAACC.1_4	YUKEND	NK 3
## ACGATACTCATCTGTT.1_4	YUKEND	Mono 1
## ACGATGTAGATAGGAG.1_4	YUKEND	Mono 4
## ACGATGTAGCCACGTC.1_4	YUKEND	Mono 2
## ACGATGTCAAAGGAAG.1_4	YUKEND	Mono 9
## ACGATGTCAAGTCATC.1_4	YUKEND	Mono 7
## ACGATGTGTCCAGTGC.1_4	YUKEND	CD4T 1
## ACGATGTGTCCCTACT.1_4	YUKEND	Mono 8
## ACGATGTTCGCATAA.1_4	YUKEND	Mono 8
## ACGATGTTTGAATGGG.1_4	YUKEND	TNKT 1
## ACGCAGCAGCGCTTAT.1_4	YUKEND	CD4T 1
## ACGCAGCAGTACGATA.1_4	YUKEND	CD4T 7
## ACGCAGCAGTGGGATC.1_4	YUKEND	Mono 1
## ACGCAGCGTACCGCTG.1_4	YUKEND	CD4T 4
## ACGCAGCGTATGAATG.1_4	YUKEND	NK 2
## ACGCAGCGTGTGGCTC.1_4	YUKEND	NK 3
## ACGCAGCTCCACGCAG.1_4	YUKEND	Mono 4
## ACGCCAGAGAGGACGG.1_4	YUKEND	Mono 4
## ACGCCAGAGCCTTGAT.1_4	YUKEND	CD8T 2
## ACGCCAGAGTGTGTTGC.1_4	YUKEND	CD4T 1
## ACGCCAGGTGACGGTA.1_4	YUKEND	CD8T 1
## ACGCCAGTCGGATGTT.1_4	YUKEND	CD4T 2
## ACGCCGAAGCTAGTGG.1_4	YUKEND	CD4T 7
## ACGCCGACAGCTATTG.1_4	YUKEND	CD8T 1
## ACGCCGACAGTCTTCC.1_4	YUKEND	NK 3
## ACGCCGAGTCCGTGAC.1_4	YUKEND	CD4T 4

##	ACGCCGATCATAACCG.1_4	YUKEND	Mono	4
##	ACGGAGACACCGCTAG.1_4	YUKEND	CD4T	2
##	ACGGCCAAGCTAAACA.1_4	YUKEND	Mono	4
##	ACGGCCAAGGAGTTGC.1_4	YUKEND	TNKT	1
##	ACGGCCAAGTGGACGT.1_4	YUKEND	Mono	5
##	ACGGCCACACACTGCG.1_4	YUKEND	NK	1
##	ACGGCCAGTACCAGTT.1_4	YUKEND	NK	1
##	ACGGCCATCACTCTTA.1_4	YUKEND	CD4T	4
##	ACGGCCATCTGTTGAG.1_4	YUKEND	CD4T	1
##	ACGGGCTGTACCATCA.1_4	YUKEND	CD8T	3
##	ACGGGCTTCGCGGATC.1_4	YUKEND	Mono	9
##	ACGGGTCTGACGCTGC.1_4	YUKEND	Mono	5
##	ACGGGTCTGAGAGTGC.1_4	YUKEND	Mono	9
##	ACGGGTCTGCAACTGT.1_4	YUKEND	Mono	9
##	ACGGGTCTGCCGTGAC.1_4	YUKEND	CD8T	2
##	ACGGGTCTGAGGCTA.1_4	YUKEND	CD4T	3
##	ACGGGTCTTCGTGAT.1_4	YUKEND	TNKT	2
##	ACGTCAAAGTAATCCC.1_4	YUKEND	CD4T	7
##	ACGTCAACAGGTCCAC.1_4	YUKEND	NK	2
##	ACGTCAAGTAGCGCAA.1_4	YUKEND	CD4T	4
##	ACGTCAAGTCCAGTGC.1_4	YUKEND	CD4T	2
##	ACGTCAAGTCTCACCT.1_4	YUKEND	CD4T	2
##	ACGTCAAGTGCAGTAG.1_4	YUKEND	Mono	7
##	ACTATCTCATTGGGCC.1_4	YUKEND	CD8T	1
##	ACTATCTGTGATGATA.1_4	YUKEND	CD4T	6
##	ACTATCTGTGCAGACA.1_4	YUKEND	CD4T	7
##	ACTATCTGTGTTGGGA.1_4	YUKEND	B	2
##	ACTATCTTCAGAGGTG.1_4	YUKEND	B	2
##	ACTGAACAGGGTCGAT.1_4	YUKEND	CD4T	5
##	ACTGAACAGTGACGG.1_4	YUKEND	B	2
##	ACTGAACCATTTTCAGG.1_4	YUKEND	CD4T	2
##	ACTGAACGTCAATGTC.1_4	YUKEND	CD4T	5
##	ACTGAACGTGCGGTT.1_4	YUKEND	Mono	3
##	ACTGAACGTCTGATTG.1_4	YUKEND	TNKT	1
##	ACTGAACGTGACGCCT.1_4	YUKEND	Mono	8
##	ACTGAGTCAAGAAGAG.1_4	YUKEND	CD4T	4
##	ACTGAGTCACGGTGTG.1_4	YUKEND	Mono	4
##	ACTGAGTCAGGACGTA.1_4	YUKEND	CD4T	2
##	ACTGAGTCATACGCTA.1_4	YUKEND	TNKT	2
##	ACTGAGTCATGGATGG.1_4	YUKEND	Mono	9
##	ACTGAGTGTTCTCATT.1_4	YUKEND	CD4T	1
##	ACTGATGAGCTAGGCA.1_4	YUKEND	CD4T	1
##	ACTGATGAGTGAATTG.1_4	YUKEND	Mono	5
##	ACTGATGCAGTCTTCC.1_4	YUKEND	Mono	8
##	ACTGATGGTGAACCTT.1_4	YUKEND	Mono	8
##	ACTGATGGTTGTACAC.1_4	YUKEND	CD4T	2
##	ACTGCTCGTTCAGGCC.1_4	YUKEND	Mono	4
##	ACTGTCCAGCCGAAA.1_4	YUKEND	CD4T	1
##	ACTGTCCAGCGTAGTG.1_4	YUKEND	NK	1
##	ACTGTCCCACTTCTGC.1_4	YUKEND	CD4T	3
##	ACTGTCCGTGGGTATG.1_4	YUKEND	CD4T	1
##	ACTGTCCGTTCGTGAT.1_4	YUKEND	TNKT	1
##	ACTGTCCCTCCAACGG.1_4	YUKEND	Mono	7
##	ACTGTCCCTCCTAGAAC.1_4	YUKEND	TNKT	2

## ACTTACTAGTCACGCC.1_4	YUKEND	CD8T 2
## ACTTACTCACCTATC.1_4	YUKEND	TNKT 2
## ACTTACTCATCGTCGG.1_4	YUKEND	CD4T 2
## ACTTACTGTATGCTTG.1_4	YUKEND	TNKT 1
## ACTTACTTCACGCATA.1_4	YUKEND	Mono 8
## ACTTACTTCTCTAGGA.1_4	YUKEND	CD4T 6
## ACTTGTTAGGGAGTAA.1_4	YUKEND	B 3
## ACTTGTTAGTCCCACG.1_4	YUKEND	CD8T 1
## ACTTGTTACGACGACAA.1_4	YUKEND	Mono 2
## ACTTGTTCACTGCCAG.1_4	YUKEND	CD4T 1
## ACTTGTTGTAATAGCA.1_4	YUKEND	CD4T 7
## ACTTGTTTCAGCTCGG.1_4	YUKEND	Mono 8
## ACTTGTTTCATACGGT.1_4	YUKEND	Mono 9
## ACTTTCATCGTTTGCC.1_4	YUKEND	CD4T 2
## AGAATAGAGGTAGCCA.1_4	YUKEND	CD4T 1
## AGAATAGCAATGTAAG.1_4	YUKEND	CD4T 7
## AGAATAGCAGCTCGCA.1_4	YUKEND	CD4T 1
## AGAATAGGTCATATCG.1_4	YUKEND	Mono 1
## AGAATAGGTGTCCTCT.1_4	YUKEND	CD8T 2
## AGACGTTAGCCAGGAT.1_4	YUKEND	CD4T 1
## AGACGTTGTCGAGTTT.1_4	YUKEND	CD4T 1
## AGACGTTGTGTCCTCT.1_4	YUKEND	Mono 5
## AGACGTTGTTCTCATT.1_4	YUKEND	CD4T 1
## AGAGCGAAGCCGAAA.1_4	YUKEND	CD4T 3
## AGAGCGACAAAGGTGC.1_4	YUKEND	Mono 4
## AGAGCGACAGTCACTA.1_4	YUKEND	CD4T 4
## AGAGCGACAGTTTACG.1_4	YUKEND	Mono 2
## AGAGCGAGTCAGTGA.1_4	YUKEND	CD4T 1
## AGAGCGATCCAGGGCT.1_4	YUKEND	Mono 4
## AGAGCGATCTCTTATG.1_4	YUKEND	Mono 4
## AGAGCTTAGGTGCTTT.1_4	YUKEND	Mono 4
## AGAGCTTCACATGACT.1_4	YUKEND	Mono 1
## AGAGCTTGTTGAGGTG.1_4	YUKEND	Mono 4
## AGAGCTTTCGAGCCCA.1_4	YUKEND	CD4T 7
## AGAGTGGCAATCCAAC.1_4	YUKEND	Mono 1
## AGAGTGGCATAACCTG.1_4	YUKEND	CD4T 7
## AGAGTGGGTGGTGTAG.1_4	YUKEND	NK 2
## AGAGTGGTCCAGGGCT.1_4	YUKEND	B 2
## AGAGTGGTCCTGCAGG.1_4	YUKEND	B 2
## AGATCTGAGCAGCGTA.1_4	YUKEND	B 2
## AGATCTGAGGAGTACC.1_4	YUKEND	TNKT 2
## AGATCTGCATGCAACT.1_4	YUKEND	CD4T 1
## AGATCTGCATGTTGAC.1_4	YUKEND	CD4T 7
## AGATCTGGTTGCGCAC.1_4	YUKEND	CD4T 2
## AGATCTGTGAATGCT.1_4	YUKEND	CD4T 6
## AGATTGCAGCGAGAAA.1_4	YUKEND	CD4T 7
## AGATTGCCAACGATCT.1_4	YUKEND	Mono 4
## AGATTGCCAAGCGAGT.1_4	YUKEND	CD4T 6
## AGATTGCCATTAGCCA.1_4	YUKEND	Mono 8
## AGATTGCTCCAACTG.1_4	YUKEND	TNKT 1
## AGATTGCTCCAGAGGA.1_4	YUKEND	CD4T 3
## AGCAGCCAGACCGGAT.1_4	YUKEND	B 2
## AGCAGCCAGCTCTCGG.1_4	YUKEND	CD4T 2
## AGCAGCCTCACAACGT.1_4	YUKEND	CD4T 2

## AGCATACAGATGTGTA.1_4	YUKEND	CD4T 4
## AGCATACAGCGTTGCC.1_4	YUKEND	CD4T 2
## AGCATACCAAGCTGTT.1_4	YUKEND	B 2
## AGCATACGTAGTGAAT.1_4	YUKEND	CD4T 1
## AGCATACTCGTTTATC.1_4	YUKEND	Mono 5
## AGCCTAAAGTCCATAC.1_4	YUKEND	CD4T 1
## AGCCTAACACAGACAG.1_4	YUKEND	CD4T 5
## AGCCTAACAGATTGCT.1_4	YUKEND	CD4T 4
## AGCCTAACATAGAAAC.1_4	YUKEND	NK 1
## AGCGGTCCATACGCTA.1_4	YUKEND	NK 2
## AGCGGTCTGTCACACGC.1_4	YUKEND	CD4T 6
## AGCGGTCTCAGCTGGC.1_4	YUKEND	CD4T 3
## AGCGGTCTCTCTTATG.1_4	YUKEND	Mono 5
## AGCGTATCAAAGAATC.1_4	YUKEND	NK 2
## AGCGTATCAGCATACT.1_4	YUKEND	Mono 4
## AGCGTATCAGGCAGTA.1_4	YUKEND	CD4T 4
## AGCGTATGTTTCAGCGC.1_4	YUKEND	CD4T 1
## AGCGTATTCATTTGGG.1_4	YUKEND	CD4T 4
## AGCGTCGCATCGGGTC.1_4	YUKEND	CD4T 4
## AGCTCCTAGAGTTGGC.1_4	YUKEND	Mono 8
## AGCTCCTCACTGCCAG.1_4	YUKEND	CD4T 1
## AGCTCCTTCAGAAATG.1_4	YUKEND	Mono 4
## AGCTCCTTCGCTTAGA.1_4	YUKEND	CD4T 3
## AGCTCCTTCTGGTTCC.1_4	YUKEND	Mono 9
## AGCTCTCCAGCTGCAC.1_4	YUKEND	NK 1
## AGCTCTCGTGTATGGG.1_4	YUKEND	Mono 8
## AGCTCTCTCCGTCATC.1_4	YUKEND	Mono 5
## AGCTCTCTCCTTGACC.1_4	YUKEND	TNKT 1
## AGCTTGAAGATGTAAC.1_4	YUKEND	NK 1
## AGCTTGACAGCCTATA.1_4	YUKEND	Mono 9
## AGCTTGATCGTAGATC.1_4	YUKEND	TNKT 1
## AGGCCACAGAGTCGGT.1_4	YUKEND	CD4T 6
## AGGCCACCAAGGGTCA.1_4	YUKEND	CD4T 7
## AGGCCACCATCCAACA.1_4	YUKEND	TNKT 1
## AGGCCACGTCCAGTGC.1_4	YUKEND	Mono 4
## AGGCCACGTTTGTGG.1_4	YUKEND	Mono 8
## AGGCCACTCACTTCAT.1_4	YUKEND	NK 2
## AGGCCACTCCGCAAGC.1_4	YUKEND	CD4T 4
## AGGCCGTTTCATTATCC.1_4	YUKEND	NK 2
## AGGCCGTTTCGCTAGCG.1_4	YUKEND	CD4T 6
## AGGGAGTCAAGAAAGG.1_4	YUKEND	Mono 4
## AGGGATGAGTGCAAGC.1_4	YUKEND	CD8T 2
## AGGGATGCAATAGAGT.1_4	YUKEND	CD8T 1
## AGGGATGTCAAGCCTA.1_4	YUKEND	Mono 4
## AGGGTGACACAGTCGC.1_4	YUKEND	TNKT 2
## AGGGTGACATAGACTC.1_4	YUKEND	NK 3
## AGGGTGAGTCTAGTGT.1_4	YUKEND	CD4T 2
## AGGGTGAGTTACGGAG.1_4	YUKEND	Mono 4
## AGGGTGATCTCTAAGG.1_4	YUKEND	NK 3
## AGGTCATCAAAGAATC.1_4	YUKEND	Mono 2
## AGGTCATCATATACCG.1_4	YUKEND	Mono 5
## AGGTCATGTCTCCATC.1_4	YUKEND	CD4T 7
## AGGTCATTACGGTTA.1_4	YUKEND	CD4T 1
## AGGTCATTCTGGCTACG.1_4	YUKEND	NK 3

## AGGTCATTCTTCGAGA.1_4	YUKEND	CD4T 2
## AGGTCCGAGGATGGTC.1_4	YUKEND	CD4T 7
## AGGTCCGCAAGACGTG.1_4	YUKEND	CD8T 3
## AGGTCCGGTCATACTG.1_4	YUKEND	CD4T 1
## AGTAGTCAGCTACCGC.1_4	YUKEND	Mono 2
## AGTAGTCAGGGCACTA.1_4	YUKEND	B 2
## AGTAGTCAGTGGGTTG.1_4	YUKEND	NK 2
## AGTAGTCCAGTCCTTC.1_4	YUKEND	Mono 2
## AGTAGTCGTAGCTAAA.1_4	YUKEND	NK 3
## AGTAGTCGTAGGCTGA.1_4	YUKEND	Mono 7
## AGTAGTCGTATTCTCT.1_4	YUKEND	Mono 1
## AGTAGTCGTGCCTTGG.1_4	YUKEND	CD4T 2
## AGTAGTCTCCTCGCAT.1_4	YUKEND	Mono 9
## AGTAGTCTCGCAAGCC.1_4	YUKEND	B 2
## AGTCTTTAGATGTTAG.1_4	YUKEND	NK 2
## AGTCTTTAGCTTTGGT.1_4	YUKEND	CD4T 6
## AGTCTTTCAGTATGCT.1_4	YUKEND	CD4T 7
## AGTCTTTCATTTGCTT.1_4	YUKEND	CD4T 1
## AGTCTTTGTGGCTCCA.1_4	YUKEND	NK 3
## AGTCTTTGTTATCACG.1_4	YUKEND	TNKT 1
## AGTCTTTTCAGGATCT.1_4	YUKEND	CD4T 6
## AGTCTTTTCCTGTAGA.1_4	YUKEND	NK 1
## AGTCTTTTCTACTCAT.1_4	YUKEND	CD4T 7
## AGTGAGGAGACGCTTT.1_4	YUKEND	B 2
## AGTGAGGGTACCGTTA.1_4	YUKEND	Mono 5
## AGTGAGGGTTCATGGT.1_4	YUKEND	Mono 4
## AGTGAGGGTTTGGCGC.1_4	YUKEND	TNKT 1
## AGTGAGGTCACAATGC.1_4	YUKEND	Mono 1
## AGTGGGAGTAGGGACT.1_4	YUKEND	CD4T 2
## AGTGGGAGTGTAAGTA.1_4	YUKEND	Mono 8
## AGTGTCAAGAGACGAA.1_4	YUKEND	TNKT 2
## AGTGTCACACTTGGAT.1_4	YUKEND	CD4T 1
## AGTGTCAAGTCAAGTAT.1_4	YUKEND	Mono 8
## AGTTGGTCATCACGTA.1_4	YUKEND	B 2
## AGTTGGTGTACATCCA.1_4	YUKEND	Mono 8
## AGTTGGTTCAGCCTAA.1_4	YUKEND	TNKT 1
## ATAACGCCAAACGTGG.1_4	YUKEND	CD4T 1
## ATAACGCCACTCTGTC.1_4	YUKEND	CD4T 1
## ATAACGCTCGATCCCT.1_4	YUKEND	TNKT 1
## ATAAGAGAGCTACCTA.1_4	YUKEND	TNKT 1
## ATAAGAGGTCATCCCT.1_4	YUKEND	CD4T 4
## ATAAGAGTCAGGCGAA.1_4	YUKEND	NK 1
## ATAAGAGTCATGCATG.1_4	YUKEND	TNKT 2
## ATAAGAGTCGAGAGCA.1_4	YUKEND	Mono 7
## ATAAGAGTCTGACCTC.1_4	YUKEND	NK 3
## ATAGACCAGACATAAC.1_4	YUKEND	Mono 7
## ATAGACCCAAGCTGAG.1_4	YUKEND	CD4T 3
## ATAGACCCAGACGCCT.1_4	YUKEND	TNKT 1
## ATAGACCGTTCTGTTT.1_4	YUKEND	TNKT 2
## ATCACGAAGACATAAC.1_4	YUKEND	CD4T 1
## ATCACGAAGCGATATA.1_4	YUKEND	CD4T 7
## ATCACGATCAACGAAA.1_4	YUKEND	CD4T 2
## ATCATCTAGCTTTGGT.1_4	YUKEND	Mono 5
## ATCATCTCAATAGCAA.1_4	YUKEND	Mono 8

## ATCATCTGTTATCACG.1_4	YUKEND	Mono 4
## ATCATCTGTTCTGAATC.1_4	YUKEND	B 2
## ATCATGGGTCTCAACA.1_4	YUKEND	CD4T 1
## ATCATGGGTAAAGAC.1_4	YUKEND	TNKT 1
## ATCATGGTCCTCTAGC.1_4	YUKEND	NK 3
## ATCCACCAGACTAGAT.1_4	YUKEND	Mono 4
## ATCCACCAGTATGACA.1_4	YUKEND	NK 4
## ATCCACCGTCGCATAT.1_4	YUKEND	TNKT 1
## ATCCACCGTGGTTTCA.1_4	YUKEND	CD4T 2
## ATCCACCGTTCCAACA.1_4	YUKEND	CD4T 6
## ATCCGAATCAACGAAA.1_4	YUKEND	NK 2
## ATCCGAATCATCATTC.1_4	YUKEND	Mono 5
## ATCCGAATCATGTCCC.1_4	YUKEND	CD4T 3
## ATCGAGTGTGCATCTA.1_4	YUKEND	Mono 9
## ATCGAGTGTACGGAG.1_4	YUKEND	CD4T 2
## ATCGAGTGTCCCTTG.1_4	YUKEND	CD4T 1
## ATCGAGTGTGACTG.1_4	YUKEND	B 2
## ATCGAGTTCACCGGGT.1_4	YUKEND	CD4T 2
## ATCTACTAGAGCCCAA.1_4	YUKEND	Mono 2
## ATCTGCCAGAAACGAG.1_4	YUKEND	NK 1
## ATCTGCCCAATACGCT.1_4	YUKEND	CD4T 2
## ATCTGCCGCTCTGGAGA.1_4	YUKEND	TNKT 1
## ATCTGCCTCGCGATCG.1_4	YUKEND	NK 1
## ATGAGGGAGCGTTGCC.1_4	YUKEND	CD4T 2
## ATGAGGGTCTATCGCC.1_4	YUKEND	Mono 3
## ATGCGATAGGCAGGTT.1_4	YUKEND	Mono 1
## ATGCGATGTGTTGAT.1_4	YUKEND	NK 2
## ATGCGATTCTGTACGA.1_4	YUKEND	NK 1
## ATGGGAGAGGGTGTTG.1_4	YUKEND	CD4T 6
## ATGGGAGCAATGAAAC.1_4	YUKEND	CD4T 6
## ATGGGAGGTCTAGCGC.1_4	YUKEND	B 2
## ATGGGAGGTGACGGTA.1_4	YUKEND	TNKT 1
## ATGGGAGTCGGCGCAT.1_4	YUKEND	Mono 1
## ATGTGTGAGGAGTAGA.1_4	YUKEND	TNKT 2
## ATGTGTGCAACACCCG.1_4	YUKEND	NK 2
## ATGTGTGCAGACGCTC.1_4	YUKEND	Mono 1
## ATGTGTGCAGGTTTCA.1_4	YUKEND	CD4T 6
## ATTACTCCACGAAATA.1_4	YUKEND	Mono 4
## ATTACTCCAGCTGCTG.1_4	YUKEND	CD4T 5
## ATTACTCTCATGCATG.1_4	YUKEND	CD4T 4
## ATTATCCAGTTCGCGC.1_4	YUKEND	CD4T 4
## ATTATCCTCGGCTACG.1_4	YUKEND	Mono 7
## ATTATCCTCGTAGATC.1_4	YUKEND	Mono 1
## ATTCTACAGTTCGCGC.1_4	YUKEND	NK 3
## ATTCTACCACTTGAT.1_4	YUKEND	Mono 7
## ATTCTACTCAGGTAAA.1_4	YUKEND	CD8T 1
## ATTCTACTCTGTTTGT.1_4	YUKEND	Mono 4
## ATTGGACAGAACAATC.1_4	YUKEND	Mono 8
## ATTGGACAGAGGGCTT.1_4	YUKEND	CD4T 6
## ATTGGACCACAGGAGT.1_4	YUKEND	CD4T 1
## ATTGGACGTAAAGGAG.1_4	YUKEND	NK 1
## ATTGGACGTCCATGAT.1_4	YUKEND	Mono 4
## ATTGGTGAGCAGGTCA.1_4	YUKEND	CD4T 6
## ATTGGTGAGTAGCCGA.1_4	YUKEND	CD8T 1

## ATTGGTGAGTGTCAT.1_4	YUKEND	TNKT 2
## ATTGGTGCAAGCGAGT.1_4	YUKEND	TNKT 1
## ATTGGTGCAATGTAAG.1_4	YUKEND	CD4T 1
## ATTGGTGACATAACC.1_4	YUKEND	CD4T 1
## ATTGGTGATCGGGTC.1_4	YUKEND	NK 2
## ATTGGTGGTCTAAAGA.1_4	YUKEND	B 5
## ATTGGTGTCAGGTAAA.1_4	YUKEND	NK 3
## ATTGGTGTCGTTTAGG.1_4	YUKEND	Mono 4
## ATTTCTGAGCATGGCA.1_4	YUKEND	CD8T 1
## ATTTCTGTGCGCTGAG.1_4	YUKEND	Mono 4
## ATTTCTGTCTTCTGGC.1_4	YUKEND	CD4T 2
## CAACCAAAGCTGCGAA.1_4	YUKEND	TNKT 2
## CAACCAAAGTTCCACA.1_4	YUKEND	NK 3
## CAACCAATCAGGTTCA.1_4	YUKEND	TNKT 1
## CAACCAATCATAGCAC.1_4	YUKEND	Mono 8
## CAACCTCAGTTCCACA.1_4	YUKEND	B 2
## CAACCTCCAGACAAAT.1_4	YUKEND	NK 1
## CAACCTCGTAGCGTCC.1_4	YUKEND	CD8T 1
## CAACCTCGTCCGAGTC.1_4	YUKEND	CD4T 3
## CAACCTCGTTGACGTT.1_4	YUKEND	B 2
## CAACCTCTCTTTACGT.1_4	YUKEND	Mono 7
## CAACTAGGTATTACCG.1_4	YUKEND	B 2
## CAACTAGGTGTCCTCT.1_4	YUKEND	NK 3
## CAACTAGGTGTGCCTG.1_4	YUKEND	CD4T 4
## CAACTAGTCTGAAAGA.1_4	YUKEND	TNKT 2
## CAAGAAAAGACAAGCC.1_4	YUKEND	TNKT 2
## CAAGAAAAGTCGCTTTC.1_4	YUKEND	NK 3
## CAAGAAAAGTGCAACTT.1_4	YUKEND	Mono 4
## CAAGATCAGACTCGGA.1_4	YUKEND	NK 1
## CAAGATCAGCCGAAA.1_4	YUKEND	TNKT 1
## CAAGATCCAATACGCT.1_4	YUKEND	CD8T 1
## CAAGATCCATGTAAGA.1_4	YUKEND	CD4T 1
## CAAGATCGTGTGGGA.1_4	YUKEND	Mono 7
## CAAGGCCTCAACCAAC.1_4	YUKEND	B 3
## CAAGGCCTCTCATTCA.1_4	YUKEND	CD4T 1
## CAAGGCCTCTCGGACG.1_4	YUKEND	Mono 8
## CAAGTTGAGCACACAG.1_4	YUKEND	CD4T 7
## CAAGTTGAGGGTGTTG.1_4	YUKEND	CD4T 1
## CAAGTTGAGTGGTAGC.1_4	YUKEND	CD8T 2
## CAAGTTGCAATCTACG.1_4	YUKEND	CD4T 4
## CAAGTTGGTTCGGCAC.1_4	YUKEND	NK 3
## CAAGTTGTCCCTCAGT.1_4	YUKEND	NK 2
## CAAGTTGTCTGTTTGT.1_4	YUKEND	CD4T 2
## CAAGTTGTCTTGCAAG.1_4	YUKEND	CD4T 1
## CACAAACCACAAGACG.1_4	YUKEND	B 2
## CACAAACCACGAAGCA.1_4	YUKEND	Mono 2
## CACAAACCACGTCAGC.1_4	YUKEND	CD4T 1
## CACAAACCACTTAACG.1_4	YUKEND	CD8T 1
## CACAAACCAGTAACGG.1_4	YUKEND	NK 1
## CACACAAAGACAGAGA.1_4	YUKEND	Mono 8
## CACACAAGTTTGTTTC.1_4	YUKEND	CD4T 1
## CACACAATCCCAGGTG.1_4	YUKEND	CD4T 1
## CACACAATCTAACTCT.1_4	YUKEND	B 2
## CACACCTAGACTTGAA.1_4	YUKEND	Mono 5

## CACACCTAGAGGGCTT.1_4	YUKEND	DC 1
## CACACCTCAAGCCATT.1_4	YUKEND	Mono 4
## CACACCTCAATAAGCA.1_4	YUKEND	Mono 8
## CACACCTGTACCGGCT.1_4	YUKEND	CD4T 1
## CACACCTGTTAAGTAG.1_4	YUKEND	CD8T 1
## CACACCTGTTAGGGTG.1_4	YUKEND	NK 2
## CACACCTGTTGGTAAA.1_4	YUKEND	Mono 1
## CACACCTTCAGCGACC.1_4	YUKEND	Mono 5
## CACACCTTCTGACCTC.1_4	YUKEND	Mono 8
## CACACTCAGAAACGCC.1_4	YUKEND	CD4T 6
## CACACTCAGACTAAGT.1_4	YUKEND	B 3
## CACACTCAGTAATCCC.1_4	YUKEND	TNKT 1
## CACACTCCATACAGCT.1_4	YUKEND	NK 2
## CACACTCCATTAGCCA.1_4	YUKEND	NK 1
## CACACTCCATTGGGCC.1_4	YUKEND	B 2
## CACACTCGTCCTAGCG.1_4	YUKEND	CD4T 1
## CACACTCGTCTGCCAG.1_4	YUKEND	Mono 7
## CACACTCGTTGGAGGT.1_4	YUKEND	NK 1
## CACAGGCCAAGAAAGG.1_4	YUKEND	NK 3
## CACAGGCCAATCGGTT.1_4	YUKEND	Mono 8
## CACAGGCTCTGCCCTA.1_4	YUKEND	CD4T 1
## CACAGTACAATGGATA.1_4	YUKEND	Mono 3
## CACAGTAGTTAAGGGC.1_4	YUKEND	Mono 9
## CACATAGAGCCACTAT.1_4	YUKEND	Mono 1
## CACATAGCAATACGCT.1_4	YUKEND	Mono 4
## CACATAGTCAGTGTTG.1_4	YUKEND	Mono 7
## CACATTTCAAGTACCT.1_4	YUKEND	Mono 5
## CACCACTAGCGATATA.1_4	YUKEND	CD8T 1
## CACCACTAGCTGTCTA.1_4	YUKEND	CD4T 2
## CACCACTAGGAATGGA.1_4	YUKEND	TNKT 2
## CACCACTGTCTTGATG.1_4	YUKEND	Mono 1
## CACCACTGTTATGCGT.1_4	YUKEND	Mono 4
## CACCACTTCAACACGT.1_4	YUKEND	Mono 2
## CACCACTTCCTGTACC.1_4	YUKEND	Mono 1
## CACCACTTCTGGCGAC.1_4	YUKEND	Mono 5
## CACCAGGAGACTACAA.1_4	YUKEND	NK 3
## CACCAGGCACCCATGG.1_4	YUKEND	Mono 8
## CACCAGGGTCAACTGT.1_4	YUKEND	TNKT 2
## CACCTTGAGTGACTCT.1_4	YUKEND	Mono 5
## CACCTTGACATTTCGA.1_4	YUKEND	Mono 2
## CACCTTGGTCAGTGGA.1_4	YUKEND	Mono 8
## CACTCCAAGAGTTGGC.1_4	YUKEND	Mono 8
## CACTCCAAGTGTTAGA.1_4	YUKEND	CD4T 6
## CACTCCACAATCACAC.1_4	YUKEND	CD4T 2
## CACTCCACACACTGCG.1_4	YUKEND	NK 1
## CACTCCAGTACAGTTC.1_4	YUKEND	Mono 5
## CACTCCATCGGCGGTT.1_4	YUKEND	Mono 9
## CAGAATCGTATATGAG.1_4	YUKEND	B 2
## CAGAATCGTGACAAAT.1_4	YUKEND	NK 1
## CAGAGAGAGAGTCGGT.1_4	YUKEND	CD4T 2
## CAGAGAGCAAGGTTTC.1_4	YUKEND	NK 2
## CAGATCAAGCAGACTG.1_4	YUKEND	CD4T 6
## CAGATCAAGTTTCCTT.1_4	YUKEND	Mono 5
## CAGCAGCAGAGCAATT.1_4	YUKEND	NK 1

## CAGCAGCAGCGATAGC.1_4	YUKEND	Mono 8
## CAGCAGCAGCTAACTC.1_4	YUKEND	CD4T 1
## CAGCAGCAGGCAATTA.1_4	YUKEND	NK 3
## CAGCAGCGTCTAGGTT.1_4	YUKEND	Mono 8
## CAGCAGCTCAGAAATG.1_4	YUKEND	Mono 2
## CAGCATAAGAGACTAT.1_4	YUKEND	NK 2
## CAGCATAACAGACGCTC.1_4	YUKEND	CD4T 7
## CAGCATATCACCCGAG.1_4	YUKEND	B 2
## CAGCATATCCTTGACC.1_4	YUKEND	NK 2
## CAGCATATCTTCTGGC.1_4	YUKEND	Mono 7
## CAGCCGAAGAAAGTGG.1_4	YUKEND	TNKT 1
## CAGCCGAAGGTGATAT.1_4	YUKEND	Mono 9
## CAGCCGACACCGCTAG.1_4	YUKEND	CD4T 1
## CAGCCGACAGCTATTG.1_4	YUKEND	CD4T 1
## CAGCCGACATCAGTCA.1_4	YUKEND	B 3
## CAGCCGAGTAAATACG.1_4	YUKEND	B 3
## CAGCCGATCTTTAGGG.1_4	YUKEND	NK 1
## CAGCGACAGACAATAC.1_4	YUKEND	CD4T 1
## CAGCGACAGGTAGCTG.1_4	YUKEND	Mono 1
## CAGCGACGTGATAAGT.1_4	YUKEND	NK 3
## CAGCGACTCCAGGGCT.1_4	YUKEND	NK 3
## CAGCGACTCCAGTAGT.1_4	YUKEND	B 1
## CAGCTAACACGGCCAT.1_4	YUKEND	CD8T 1
## CAGCTAAGTAGAAGGA.1_4	YUKEND	TNKT 2
## CAGCTAAGTCCTGCTT.1_4	YUKEND	CD4T 2
## CAGCTAAGTTCGCGAC.1_4	YUKEND	CD4T 4
## CAGCTAATCGCACTCT.1_4	YUKEND	CD8T 1
## CAGCTGGAGCACCGCT.1_4	YUKEND	Mono 2
## CAGCTGGAGCGATGAC.1_4	YUKEND	CD4T 6
## CAGCTGGAGCTCTCGG.1_4	YUKEND	CD4T 6
## CAGCTGGGTAGCGATG.1_4	YUKEND	NK 2
## CAGCTGGGTAGTGAAT.1_4	YUKEND	NK 1
## CAGCTGGGTGCGAAAC.1_4	YUKEND	Mono 5
## CAGGTGCAGGTGATAT.1_4	YUKEND	CD4T 1
## CAGGTGCAGTTAGCGG.1_4	YUKEND	Mono 3
## CAGGTGCCACAGTCGC.1_4	YUKEND	TNKT 1
## CAGGTGCCAGCTCGAC.1_4	YUKEND	CD4T 3
## CAGGTGCCAGCTGCAC.1_4	YUKEND	Mono 4
## CAGTAACAGCGGCTTC.1_4	YUKEND	NK 2
## CAGTCCTAGCTCTCGG.1_4	YUKEND	CD8T 1
## CAGTCCTAGGACGAAA.1_4	YUKEND	Mono 9
## CAGTCCTGTGCAACTT.1_4	YUKEND	CD8T 1
## CAGTCCTTCTGCGGCA.1_4	YUKEND	NK 3
## CATATGGTCGTACCGG.1_4	YUKEND	CD8T 3
## CATATTCAAGTGTTAGA.1_4	YUKEND	CD8T 1
## CATATTCCAAGTCTGT.1_4	YUKEND	Mono 5
## CATATTCCATCACAAC.1_4	YUKEND	Mono 5
## CATATTCTCTACGAGT.1_4	YUKEND	CD4T 2
## CATCAAGCACGAGGTA.1_4	YUKEND	TNKT 2
## CATCAAGCACGCATCG.1_4	YUKEND	Mono 3
## CATCAAGCAGCTGGCT.1_4	YUKEND	NK 1
## CATCAGAAGCTACCGC.1_4	YUKEND	Mono 4
## CATCAGAAGGGAGTAA.1_4	YUKEND	CD4T 6
## CATCAGACAGGTTTCA.1_4	YUKEND	TNKT 2

## CATCCACAGATATACG.1_4	YUKEND	CD4T 3
## CATCCACCACATCCGG.1_4	YUKEND	NK 2
## CATCCACGTAAGCACG.1_4	YUKEND	NK 3
## CATCCACGTAGCGTAG.1_4	YUKEND	NK 1
## CATCCACGTGGCTCCA.1_4	YUKEND	CD4T 5
## CATCCACGTTCACTAC.1_4	YUKEND	Mono 5
## CATCGAAAGCCCAGCT.1_4	YUKEND	CD4T 4
## CATCGAAAGCCGATTT.1_4	YUKEND	CD4T 6
## CATCGAAAGCTCAACT.1_4	YUKEND	Mono 8
## CATCGAAAGGGCTCTC.1_4	YUKEND	TNKT 2
## CATCGAACAACTGCTA.1_4	YUKEND	Mono 8
## CATCGAATCGGCATCG.1_4	YUKEND	TNKT 1
## CATCGAATCGTACGGC.1_4	YUKEND	CD8T 1
## CATCGAATCTGCGGCA.1_4	YUKEND	CD4T 1
## CATGACAAGGCTCAGA.1_4	YUKEND	CD4T 7
## CATGACACAAAGGTGC.1_4	YUKEND	Mono 8
## CATGACACAATTCCTT.1_4	YUKEND	TNKT 2
## CATGACAGTAAATACG.1_4	YUKEND	Mono 8
## CATGCCTAGTCCATAC.1_4	YUKEND	NK 2
## CATGCCTCAAGCCTAT.1_4	YUKEND	B 3
## CATGCCTCAGCTGTAT.1_4	YUKEND	CD4T 4
## CATGGCGAGCGTAGTG.1_4	YUKEND	DC 1
## CATGGCGAGCTAAGAT.1_4	YUKEND	B 2
## CATGGCGAGCTAGCCC.1_4	YUKEND	Mono 2
## CATGGCGAGGCAAAGA.1_4	YUKEND	CD4T 2
## CATGGCGAGTCGTACT.1_4	YUKEND	CD4T 1
## CATGGCGAGTGTGAAT.1_4	YUKEND	CD4T 4
## CATGGCGCACCTCGTT.1_4	YUKEND	CD4T 3
## CATGGCGGTGTAACGG.1_4	YUKEND	CD8T 1
## CATGGCGGTTTAAGCC.1_4	YUKEND	Mono 3
## CATGGCGGTTTGGGCC.1_4	YUKEND	CD4T 6
## CATGGCGTCTATGTGG.1_4	YUKEND	CD4T 4
## CATGGCGTCTCTAGGA.1_4	YUKEND	TNKT 1
## CATTATCGTAGAGGAA.1_4	YUKEND	CD4T 7
## CATTATCGTCTGGAGA.1_4	YUKEND	Mono 2
## CATTATCTCACAACGT.1_4	YUKEND	CD4T 4
## CATTTCGCAGACTTGAA.1_4	YUKEND	Mono 1
## CATTTCGCAGCCTATGT.1_4	YUKEND	Mono 4
## CATTTCGCAGCTGCAAG.1_4	YUKEND	Mono 8
## CATTTCGCAGGTGTGGT.1_4	YUKEND	NK 3
## CATTTCGCAGTACATGA.1_4	YUKEND	B 2
## CATTTCGCCAGTACACT.1_4	YUKEND	Mono 8
## CATTTCGCCATCACCT.1_4	YUKEND	CD4T 1
## CATTTCGCGTCAGAATA.1_4	YUKEND	Mono 1
## CCAATCCCACAAGTAA.1_4	YUKEND	Mono 2
## CCAATCCGTCTTGATG.1_4	YUKEND	CD8T 1
## CCAATCCTCGTCACGG.1_4	YUKEND	NK 1
## CCACCTATCCATTCTA.1_4	YUKEND	Mono 9
## CCACCTATCCCTAACC.1_4	YUKEND	Mono 3
## CCACCTATCGGAGCAA.1_4	YUKEND	CD8T 1
## CCACCTATCGGTCCGA.1_4	YUKEND	TNKT 2
## CCACCTATCTAGAGTC.1_4	YUKEND	Mono 8
## CCACCTATCTTGTA.1_4	YUKEND	TNKT 1
## CCACGGACACTGTGTA.1_4	YUKEND	Mono 1

## CCACGGAGTCATATGC.1_4	YUKEND	Mono 4
## CCACGGATCCCTAATT.1_4	YUKEND	Mono 4
## CCACGGATCGGAAATA.1_4	YUKEND	TNKT 2
## CCACGGATCTTCTGGC.1_4	YUKEND	NK 3
## CCACTACAGAAGAAGC.1_4	YUKEND	DC 1
## CCACTACAGCTGTTCA.1_4	YUKEND	CD4T 2
## CCACTACAGGAGTCTG.1_4	YUKEND	Mono 1
## CCACTACAGGCTACGA.1_4	YUKEND	Mono 2
## CCACTACAGTGAAGAG.1_4	YUKEND	Mono 4
## CCACTACCAGGCTCAC.1_4	YUKEND	Mono 8
## CCACTACGTCAGAATA.1_4	YUKEND	NK 3
## CCAGCGAAGTAATCCC.1_4	YUKEND	CD4T 1
## CCAGCGACAGACGTAG.1_4	YUKEND	TNKT 1
## CCAGCGACAGGGAGAG.1_4	YUKEND	Mono 5
## CCAGCGAGTGCAGTAG.1_4	YUKEND	CD4T 5
## CCAGCGAGTTTCGCTC.1_4	YUKEND	NK 1
## CCAGCGATCTTACCTA.1_4	YUKEND	TNKT 1
## CCATGTCCAATTGCTG.1_4	YUKEND	B 2
## CCATGTCCATCGTCGG.1_4	YUKEND	CD4T 3
## CCATGTCTGTTTCGAT.1_4	YUKEND	Mono 3
## CCATGTCTCGCATGAT.1_4	YUKEND	Mono 8
## CCATTGAGTAGCGGT.1_4	YUKEND	Mono 9
## CCATTGCTCTAAGCCA.1_4	YUKEND	Mono 5
## CCCAATCGTTTGTTTC.1_4	YUKEND	CD4T 4
## CCCAATCTCGGGAGTA.1_4	YUKEND	NK 3
## CCCAATCTCGTTGCCT.1_4	YUKEND	CD4T 6
## CCCAGTTAGCTCTCGG.1_4	YUKEND	CD4T 1
## CCCAGTTGTCCGAATT.1_4	YUKEND	B 2
## CCCAGTTTCTCTAGGA.1_4	YUKEND	NK 2
## CCCATACGTCGAGTTT.1_4	YUKEND	CD4T 1
## CCCTCCTCATAGACTC.1_4	YUKEND	B 2
## CCCTCCTGTCTCCATC.1_4	YUKEND	TNKT 2
## CCCTCCTGTCTGCAAT.1_4	YUKEND	B 2
## CCCTCCTGTTTGAATC.1_4	YUKEND	CD8T 1
## CCCTCCTTCCTAGAAC.1_4	YUKEND	B 2
## CCCTCCTTCTCCGGTT.1_4	YUKEND	CD8T 2
## CCGGGATAGCAAATCA.1_4	YUKEND	TNKT 1
## CCGGGATAGGCAGTCA.1_4	YUKEND	NK 2
## CCGGGATACAAGTAA.1_4	YUKEND	B 2
## CCGGGATCACGACGAA.1_4	YUKEND	B 2
## CCGGGATGTCCAGTTA.1_4	YUKEND	NK 1
## CCGGTAGCAAATACAG.1_4	YUKEND	TNKT 1
## CCGGTAGCAATGGAGC.1_4	YUKEND	Mono 4
## CCGGTAGCACGCCAGT.1_4	YUKEND	CD4T 1
## CCGGTAGGTAGCGCTC.1_4	YUKEND	TNKT 1
## CCGGTAGGTCCGAGTC.1_4	YUKEND	Mono 4
## CCGGTAGGTTAGAACA.1_4	YUKEND	CD4T 1
## CCGTACTAGACCTTTG.1_4	YUKEND	NK 3
## CCGTACTAGACGCTTT.1_4	YUKEND	B 2
## CCGTACTAGGCGTACA.1_4	YUKEND	Mono 8
## CCGTACTCAATCCGAT.1_4	YUKEND	CD4T 3
## CCGTACTCAGGACCCT.1_4	YUKEND	Mono 2
## CCGTACTGTCTGCGGT.1_4	YUKEND	NK 2
## CCGTACTGTTACAGAA.1_4	YUKEND	Mono 8

## CCGTACTTCGGCCGAT.1_4	YUKEND	Mono 9
## CCGTGGACAATTGCTG.1_4	YUKEND	CD8T 2
## CCGTGGAGTTATTCTC.1_4	YUKEND	NK 3
## CCGTGGATCGTCTGCT.1_4	YUKEND	B 2
## CCGTGGATCGTTACAG.1_4	YUKEND	CD4T 1
## CCGTTCACATCCCACT.1_4	YUKEND	NK 2
## CCGTTCAGTCCGAGTC.1_4	YUKEND	TNKT 2
## CCGTTCAGTGTCTTT.1_4	YUKEND	CD4T 2
## CCTAAAGCAACCGCCA.1_4	YUKEND	CD4T 3
## CCTAAAGCATCTCCCA.1_4	YUKEND	NK 1
## CCTAAAGTCCGTCAA.1_4	YUKEND	CD4T 6
## CCTACACTCCTGCCAT.1_4	YUKEND	Mono 8
## CCTACACTCTAACTGG.1_4	YUKEND	CD4T 4
## CCTACCAAGGAACTGC.1_4	YUKEND	CD4T 3
## CCTACCAGTGTAACGG.1_4	YUKEND	CD8T 1
## CCTACCATCTTAACCT.1_4	YUKEND	Mono 9
## CCTAGCTGTCCAGTTA.1_4	YUKEND	CD4T 5
## CCTAGCTTCCCGGATG.1_4	YUKEND	Mono 2
## CCTATTAAGTCCATAC.1_4	YUKEND	CD4T 2
## CCTATTACAATCTACG.1_4	YUKEND	TNKT 1
## CCTATTACAGCTGCTG.1_4	YUKEND	CD4T 4
## CCTATTACAGTCGATT.1_4	YUKEND	Mono 1
## CCTATTAGTCGTGGCT.1_4	YUKEND	Mono 4
## CCTATTAGTGCCTTGG.1_4	YUKEND	Mono 5
## CCTATTAGTGTGAGG.1_4	YUKEND	Mono 8
## CCTCAGTAGTATTGGA.1_4	YUKEND	CD4T 5
## CCTCAGTCAAGCTGTT.1_4	YUKEND	CD4T 2
## CCTCAGTGTCCGCTGA.1_4	YUKEND	TNKT 1
## CCTCAGTTCTCTTGAT.1_4	YUKEND	Mono 2
## CCTCTGACACAGGAGT.1_4	YUKEND	CD4T 4
## CCTCTGATCAATAAGG.1_4	YUKEND	CD8T 2
## CCTCTGATCATAGCAC.1_4	YUKEND	Mono 2
## CCTCTGATCTCGTTTA.1_4	YUKEND	Mono 2
## CCTCTGATCTTGGGTA.1_4	YUKEND	CD4T 1
## CCTTACGAGCCCGAAA.1_4	YUKEND	TNKT 2
## CCTTACGCAAGAAAGG.1_4	YUKEND	Mono 4
## CCTTACGCATATACCG.1_4	YUKEND	CD4T 6
## CCTTACGTCGACCAGC.1_4	YUKEND	NK 3
## CCTTCCCAGCTGGAAC.1_4	YUKEND	CD8T 1
## CCTTCCCGTGTCTCT.1_4	YUKEND	NK 3
## CCTTCCCTCGTAGATC.1_4	YUKEND	Mono 8
## CCTTCGAAGCAAATCA.1_4	YUKEND	CD4T 1
## CCTTCGACACCATCCT.1_4	YUKEND	TNKT 1
## CCTTCGAGTGCACTTA.1_4	YUKEND	CD4T 1
## CCTTTCTAGTTTGGGT.1_4	YUKEND	TNKT 1
## CCTTTCTCACAGATTC.1_4	YUKEND	TNKT 2
## CCTTTCTCAGTTCATG.1_4	YUKEND	CD4T 4
## CCTTTCTGTGCCTCT.1_4	YUKEND	TNKT 2
## CGAACATCAAGTAATG.1_4	YUKEND	B 2
## CGAACATTCTGCTGTC.1_4	YUKEND	CD8T 1
## CGAATGTAGCGTTTAC.1_4	YUKEND	CD4T 2
## CGAATGTACGGTTTA.1_4	YUKEND	CD4T 5
## CGAATGTCAGTCACTA.1_4	YUKEND	CD4T 4
## CGAATGTCATACAGCT.1_4	YUKEND	B 2

## CGAATGTGTAAAGTG.1_4	YUKEND	Mono 8
## CGAATGTGTATTCTC.1_4	YUKEND	CD4T 2
## CGAATGTTCACGGGA.1_4	YUKEND	Mono 2
## CGAATGTTCATGTCTT.1_4	YUKEND	Mono 1
## CGAATGTTCCTAGGGC.1_4	YUKEND	TNKT 1
## CGAATGTTCCTAGGGC.1_4	YUKEND	CD4T 1
## CGAATGTTCGTTACAG.1_4	YUKEND	TNKT 1
## CGACCTTAGGCCCTCA.1_4	YUKEND	DC 1
## CGACCTTCAAAGAATC.1_4	YUKEND	NK 3
## CGACCTTCCACGCAG.1_4	YUKEND	Mono 5
## CGACCTTCCGAACGC.1_4	YUKEND	CD4T 1
## CGACTTCAGCTGCGAA.1_4	YUKEND	B 2
## CGACTTCCACCAGATT.1_4	YUKEND	CD8T 3
## CGACTTCTCACGATGT.1_4	YUKEND	Mono 2
## CGACTTCTCATGTCTT.1_4	YUKEND	CD4T 6
## CGACTTCTCGCATGAT.1_4	YUKEND	Mono 2
## CGACTTCTCGTGACAT.1_4	YUKEND	Mono 9
## CGAGAAGAGAATGTTG.1_4	YUKEND	CD4T 3
## CGAGAAGGTCATACTG.1_4	YUKEND	CD4T 6
## CGAGAAGTCAACACCA.1_4	YUKEND	Mono 1
## CGAGAAGTCAGGTAAA.1_4	YUKEND	TNKT 2
## CGAGCACAGAATAGGG.1_4	YUKEND	NK 1
## CGAGCACAGCTAGTGG.1_4	YUKEND	Mono 4
## CGAGCACAGGACATTA.1_4	YUKEND	Mono 1
## CGAGCACAGTTGCAGG.1_4	YUKEND	Mono 4
## CGAGCACCCCTTGTC.1_4	YUKEND	NK 1
## CGAGCACGTCCTGCG.1_4	YUKEND	CD8T 1
## CGAGCACTCCCTAACC.1_4	YUKEND	CD4T 3
## CGAGCCAAGACAATAC.1_4	YUKEND	CD4T 2
## CGAGCCAGTCGCGAAA.1_4	YUKEND	NK 3
## CGATCGGAGCACCGCT.1_4	YUKEND	Mono 4
## CGATCGGCATACGCCG.1_4	YUKEND	NK 1
## CGATCGGCATTACGAC.1_4	YUKEND	B 2
## CGATCGGGTACTCAAC.1_4	YUKEND	Mono 1
## CGATCGGTCCAAATGC.1_4	YUKEND	TNKT 2
## CGATCGGTCTGCCAGG.1_4	YUKEND	Mono 5
## CGATGGCCAAACTGCT.1_4	YUKEND	NK 2
## CGATGGCCATATACCG.1_4	YUKEND	Mono 8
## CGATGGCGTTTCGCTC.1_4	YUKEND	CD4T 1
## CGATGTACACGTCTCT.1_4	YUKEND	CD8T 1
## CGATGTAGTAAACGCG.1_4	YUKEND	TNKT 1
## CGATGTAGTTTGTTTC.1_4	YUKEND	Mono 3
## CGATTGAAGATATGGT.1_4	YUKEND	TNKT 1
## CGATTGACAAGCGTAG.1_4	YUKEND	TNKT 2
## CGATTGACATCCCATC.1_4	YUKEND	CD4T 3
## CGCCAAGAGGCCCTTG.1_4	YUKEND	CD4T 2
## CGCCAAGCAACACGCC.1_4	YUKEND	B 2
## CGCCAAGCACGCTTTC.1_4	YUKEND	TNKT 1
## CGCCAAGCAGACAGGT.1_4	YUKEND	CD4T 1
## CGCCAAGGTAACGACG.1_4	YUKEND	CD4T 4
## CGCCAAGGTCAACATC.1_4	YUKEND	CD4T 3
## CGCCAAGGTTATGTGC.1_4	YUKEND	TNKT 1
## CGCGGTAAGCTCCTTC.1_4	YUKEND	TNKT 1
## CGCGTTTAGACCCACC.1_4	YUKEND	CD4T 3

## CGCGTTTCACGGTGTC.1_4	YUKEND	Mono 7
## CGCGTTTGTCCGCACT.1_4	YUKEND	CD4T 4
## CGCGTTTGTTCACAA.1_4	YUKEND	TNKT 1
## CGCTATCCAATGGTCT.1_4	YUKEND	CD4T 2
## CGCTATCCAGCCAATT.1_4	YUKEND	Mono 8
## CGCTATCCATGGAATA.1_4	YUKEND	NK 2
## CGCTATCGTGACTACT.1_4	YUKEND	CD4T 4
## CGCTGGAAGGCAGGTT.1_4	YUKEND	CD8T 1
## CGCTGGAAGGCGACAT.1_4	YUKEND	CD4T 2
## CGCTGGAAGTGCCAGA.1_4	YUKEND	Mono 5
## CGCTGGAGTACGACCC.1_4	YUKEND	Mono 4
## CGCTGGATCATCGCTC.1_4	YUKEND	B 3
## CGCTGGATCCACTGGG.1_4	YUKEND	Mono 4
## CGCTTCACAAGCTGAG.1_4	YUKEND	NK 2
## CGCTTCACAGCGTCCA.1_4	YUKEND	CD4T 7
## CGCTTCAGTCGACTGC.1_4	YUKEND	B 2
## CGCTTCATCTTTACAC.1_4	YUKEND	TNKT 1
## CGGACACTCCGCAGTG.1_4	YUKEND	TNKT 1
## CGGACGTCAACGATCT.1_4	YUKEND	Mono 5
## CGGACGTCAATCCACT.1_4	YUKEND	Mono 4
## CGGACGTTCACTTCAT.1_4	YUKEND	Mono 1
## CGGACGTTCGTAGATC.1_4	YUKEND	CD8T 1
## CGGACTGGTCAACTGT.1_4	YUKEND	CD4T 6
## CGGACTGGTGGACGAT.1_4	YUKEND	NK 3
## CGGACTGTCAAGAAGT.1_4	YUKEND	Mono 7
## CGGACTGTCACTTACT.1_4	YUKEND	NK 3
## CGGAGCTAGCGATAGC.1_4	YUKEND	NK 2
## CGGAGCTAGCGTTCCG.1_4	YUKEND	NK 3
## CGGAGCTCAACACCCG.1_4	YUKEND	CD4T 6
## CGGAGCTCAACACGCC.1_4	YUKEND	CD4T 4
## CGGAGCTCAGCTGCTG.1_4	YUKEND	CD8T 1
## CGGAGCTGTATGAAAC.1_4	YUKEND	CD4T 2
## CGGAGCTGTATGAATG.1_4	YUKEND	B 2
## CGGAGCTGTGAAGGCT.1_4	YUKEND	CD4T 4
## CGGAGCTGTTGAACTC.1_4	YUKEND	Mono 3
## CGGAGTCAGCATGGCA.1_4	YUKEND	Mono 8
## CGGAGTCCACCACCAG.1_4	YUKEND	CD4T 2
## CGGAGTCCAGCCTGTG.1_4	YUKEND	CD8T 3
## CGGAGTCGTCATTAGC.1_4	YUKEND	CD4T 1
## CGGAGTCTCACATAGC.1_4	YUKEND	Mono 1
## CGGAGTCTCGAATCCA.1_4	YUKEND	CD4T 5
## CGGCTAGAGGTGGGTT.1_4	YUKEND	TNKT 1
## CGGCTAGCAGCTATTG.1_4	YUKEND	CD4T 1
## CGGCTAGGTACTTCTT.1_4	YUKEND	Mono 8
## CGGCTAGGTGTGACCC.1_4	YUKEND	Mono 8
## CGGCTAGTCACGCGGT.1_4	YUKEND	TNKT 2
## CGGGTCAAGAGGTACC.1_4	YUKEND	CD4T 7
## CGGGTCAAGGTGATTA.1_4	YUKEND	CD4T 2
## CGGGTCACATAGGATA.1_4	YUKEND	NK 3
## CGGGTCAGTCACAAGG.1_4	YUKEND	NK 1
## CGGGTCAGTCCGAACC.1_4	YUKEND	B 2
## CGGGTCAGTGTCAATC.1_4	YUKEND	TNKT 2
## CGGGTCAGTCCAACA.1_4	YUKEND	CD4T 4
## CGGGTCATCGGTCTAA.1_4	YUKEND	CD4T 1

## CGGTTAAAGACAGGCT.1_4	YUKEND	Mono 1
## CGGTTAAAGCTACCGC.1_4	YUKEND	Mono 1
## CGGTTAAAGTGAAGAG.1_4	YUKEND	NK 1
## CGTAGCGAGCGTGAGT.1_4	YUKEND	Mono 3
## CGTAGCGCAGCCAGAA.1_4	YUKEND	CD4T 5
## CGTAGCGCATGCCCGA.1_4	YUKEND	NK 3
## CGTAGCGTCCAGGGCT.1_4	YUKEND	Mono 8
## CGTAGGCAGACCACGA.1_4	YUKEND	Mono 4
## CGTAGGCAGTAGGCCA.1_4	YUKEND	CD4T 2
## CGTAGGCCAATAAGCA.1_4	YUKEND	NK 2
## CGTAGGCCACAGACTT.1_4	YUKEND	NK 3
## CGTCACTAGGCAAAGA.1_4	YUKEND	TNKT 2
## CGTCACTCAAACGCGA.1_4	YUKEND	Mono 1
## CGTCACTGTCTGGAGA.1_4	YUKEND	Mono 8
## CGTCACTGTTACGTCA.1_4	YUKEND	Mono 4
## CGTCAGGAGCAGACTG.1_4	YUKEND	NK 4
## CGTCAGGAGTACATGA.1_4	YUKEND	CD4T 5
## CGTCAGGCACGACGAA.1_4	YUKEND	CD8T 2
## CGTCAGGCACTCAGGC.1_4	YUKEND	B 2
## CGTCAGGCATACTACG.1_4	YUKEND	Mono 7
## CGTCAGGGTAAGGATT.1_4	YUKEND	CD8T 2
## CGTCAGGGTATTCTCT.1_4	YUKEND	TNKT 1
## CGTCAGGGTACTGAC.1_4	YUKEND	Mono 1
## CGTCAGGTCCCTGACT.1_4	YUKEND	TNKT 1
## CGTCCATCAACACCTA.1_4	YUKEND	Mono 9
## CGTCCATCACAGACTT.1_4	YUKEND	CD8T 1
## CGTCCATGTAGAAGGA.1_4	YUKEND	CD4T 3
## CGTCCATGTCAGAAGC.1_4	YUKEND	CD4T 7
## CGTCCATTCTGTACC.1_4	YUKEND	NK 3
## CGTCCATTCTGTGTCG.1_4	YUKEND	CD4T 1
## CGTCCATTCTGACCTC.1_4	YUKEND	Mono 5
## CGTCTACAGTTAGGTA.1_4	YUKEND	NK 2
## CGTCTACCAGTCTTCC.1_4	YUKEND	Mono 5
## CGTCTACGTTACAGAA.1_4	YUKEND	Mono 5
## CGTCTACTCACATAGC.1_4	YUKEND	Mono 7
## CGTGAGCAGAGATGAG.1_4	YUKEND	CD4T 1
## CGTGAGCTCAACGCTA.1_4	YUKEND	Mono 5
## CGTGAGCTCTGACCTC.1_4	YUKEND	Mono 9
## CGTGTCTAGACGCTTT.1_4	YUKEND	Mono 3
## CGTGTCTACCCATGG.1_4	YUKEND	CD4T 2
## CGTGTCTTCCCATTAT.1_4	YUKEND	CD4T 6
## CGTTAGATCAATACCG.1_4	YUKEND	CD8T 1
## CGTTCTGAGAGACGAA.1_4	YUKEND	TNKT 1
## CGTTCTGCACGGACAA.1_4	YUKEND	CD8T 2
## CGTTCTGTCTAAGCCA.1_4	YUKEND	Mono 1
## CGTTGGGCAGACGTAG.1_4	YUKEND	B 2
## CGTTGGGGTATAGGGC.1_4	YUKEND	Mono 4
## CGTTGGGGTCCAATA.1_4	YUKEND	NK 1
## CGTTGGGTCTGTCAAG.1_4	YUKEND	NK 1
## CTAACCTCAATCTACG.1_4	YUKEND	CD4T 1
## CTAACCTGTTTCGTGAT.1_4	YUKEND	NK 2
## CTAAGACCAGAGTGTG.1_4	YUKEND	CD4T 6
## CTAAGACGTCCAGTAT.1_4	YUKEND	NK 1
## CTAAGACGTGCACGAA.1_4	YUKEND	Mono 5

## CTAAGACGTGTGCCTG.1_4	YUKEND	CD8T 3
## CTAAGACTCAGAGACG.1_4	YUKEND	NK 3
## CTAAGACTCATAGCAC.1_4	YUKEND	CD4T 4
## CTAAGACTCATGTCCC.1_4	YUKEND	Mono 8
## CTAATGGAGAGTACAT.1_4	YUKEND	CD8T 1
## CTAATGGAGCCAGTTT.1_4	YUKEND	CD4T 6
## CTAATGGGTACTCTCC.1_4	YUKEND	CD4T 6
## CTAATGGGTCCCTACT.1_4	YUKEND	CD4T 7
## CTACACCAGGTACTCT.1_4	YUKEND	CD4T 3
## CTACACCAGTACGTAA.1_4	YUKEND	Mono 5
## CTACACCAGTGAACAT.1_4	YUKEND	NK 2
## CTACACCCACATGACT.1_4	YUKEND	B 3
## CTACATTTCAGCTTCGG.1_4	YUKEND	CD4T 5
## CTACCCAAGAGCTGCA.1_4	YUKEND	Mono 8
## CTACCCAAGTTCACA.1_4	YUKEND	B 2
## CTACCCATCTCTAGGA.1_4	YUKEND	B 2
## CTACGTCGTACCAGTT.1_4	YUKEND	NK 4
## CTAGAGTCACCTCGGA.1_4	YUKEND	NK 1
## CTAGAGTGTAGGGACT.1_4	YUKEND	CD4T 2
## CTAGAGTGTGTTGAGG.1_4	YUKEND	NK 3
## CTAGAGTTCAGGCCCA.1_4	YUKEND	TNKT 1
## CTAGCCTAGGAATTAC.1_4	YUKEND	B 2
## CTAGCCTCAAACGCGA.1_4	YUKEND	TNKT 1
## CTAGCCTTCAGCACAT.1_4	YUKEND	CD4T 2
## CTAGTGACATGAAGTA.1_4	YUKEND	TNKT 1
## CTAGTGAGTAAATACG.1_4	YUKEND	B 2
## CTAGTGAGTCTGATTG.1_4	YUKEND	NK 2
## CTAGTGATCTGTACGA.1_4	YUKEND	NK 2
## CTCACACAGGCAAAGA.1_4	YUKEND	Mono 1
## CTCACACGTAGCTGCC.1_4	YUKEND	Mono 8
## CTCACACTCACCACCT.1_4	YUKEND	Mono 5
## CTCACACTCGATCCCT.1_4	YUKEND	Mono 4
## CTCAGAAGTGCTGTAT.1_4	YUKEND	NK 1
## CTCATTAGTGTGACCC.1_4	YUKEND	Mono 5
## CTCCTAGAGTTCGCGC.1_4	YUKEND	CD8T 1
## CTCCTAGGTCGAAAGC.1_4	YUKEND	Mono 9
## CTCCTAGGTCTTGTCC.1_4	YUKEND	CD8T 3
## CTCGAAACAACGGCC.1_4	YUKEND	Mono 4
## CTCGAAAGTGTTAAGA.1_4	YUKEND	B 1
## CTCGAAATCGAATCCA.1_4	YUKEND	Mono 8
## CTCGAGGAGCCACGTC.1_4	YUKEND	TNKT 2
## CTCGAGGCAAGCCATT.1_4	YUKEND	NK 2
## CTCGAGGCACTGAAGG.1_4	YUKEND	Mono 4
## CTCGAGGCATCACGTA.1_4	YUKEND	NK 1
## CTCGAGGGTCTCAACA.1_4	YUKEND	Mono 4
## CTCGAGGTCAAAGTAG.1_4	YUKEND	Mono 8
## CTCGGAGCAATCTGCA.1_4	YUKEND	CD4T 4
## CTCGGAGGTCAGAATA.1_4	YUKEND	CD4T 1
## CTCGGAGGTAGTGGG.1_4	YUKEND	Mono 4
## CTCGGAGGTTGCGGAC.1_4	YUKEND	TNKT 1
## CTCGGAGTCACCCGAG.1_4	YUKEND	Mono 3
## CTCGGGACATAGAAAC.1_4	YUKEND	TNKT 2
## CTCGGGATCGACAGCC.1_4	YUKEND	NK 3
## CTCGGGATCGAGCCCA.1_4	YUKEND	CD4T 6

## CTCGTACAGAGGGCTT.1_4	YUKEND	NK 3
## CTCGTACAGGCAAAGA.1_4	YUKEND	Mono 5
## CTCGTACAGTGTGGCA.1_4	YUKEND	Mono 9
## CTCGTACCAGTCAGAG.1_4	YUKEND	Mono 8
## CTCGTACGTCAGTGGA.1_4	YUKEND	TNKT 2
## CTCGTACGTCCAGTAT.1_4	YUKEND	Mono 7
## CTCGTACGTCTAGTCA.1_4	YUKEND	NK 3
## CTCGTACGTGCCTTGG.1_4	YUKEND	Mono 2
## CTCGTACATGAACCT.1_4	YUKEND	CD4T 1
## CTCGTCAAGTTGTCGCG.1_4	YUKEND	Mono 1
## CTCGTCATCAACGGGA.1_4	YUKEND	NK 1
## CTCGTCATCAGCTTAG.1_4	YUKEND	NK 4
## CTCGTCATCGTTGCCT.1_4	YUKEND	CD4T 7
## CTCGTCATCTAACTCT.1_4	YUKEND	CD4T 2
## CTCGTCATCTCAACTT.1_4	YUKEND	Mono 8
## CTCTAATAGAGTGAGA.1_4	YUKEND	CD4T 3
## CTCTAATAGATGTGTA.1_4	YUKEND	CD4T 4
## CTCTAATAGCTTTGGT.1_4	YUKEND	CD4T 7
## CTCTAATAGGAGCGTT.1_4	YUKEND	Mono 2
## CTCTAATTGCGCATAA.1_4	YUKEND	CD4T 1
## CTCTACGAGTGTGAAT.1_4	YUKEND	NK 3
## CTCTACGTCACCGTAA.1_4	YUKEND	B 2
## CTCTGGTGTCTAGGTT.1_4	YUKEND	NK 2
## CTGAAACAGCTAAGAT.1_4	YUKEND	CD4T 1
## CTGAAACAGCTAGGCA.1_4	YUKEND	Mono 5
## CTGAAACAGTAATCCC.1_4	YUKEND	CD4T 1
## CTGAAACAGTCGTTTG.1_4	YUKEND	Mono 4
## CTGAAACCACCGCTAG.1_4	YUKEND	CD4T 5
## CTGAAACCACGAAGCA.1_4	YUKEND	CD4T 1
## CTGAAACTCTGTGCAA.1_4	YUKEND	Mono 4
## CTGAAGTAGCGAGAAA.1_4	YUKEND	NK 1
## CTGAAGTCAATGGTCT.1_4	YUKEND	CD4T 2
## CTGAAGTTCTGTCTCG.1_4	YUKEND	CD4T 6
## CTGATAGCATGACGGA.1_4	YUKEND	Mono 1
## CTGATCCAGCCAGTAG.1_4	YUKEND	CD4T 7
## CTGATCCAGCTGAAAT.1_4	YUKEND	Mono 8
## CTGATCCCAATACGCT.1_4	YUKEND	Mono 1
## CTGATCCCAGAAGCAC.1_4	YUKEND	NK 2
## CTGATCCGTAGCGCAA.1_4	YUKEND	TNKT 2
## CTGATCCGTGTTGGGA.1_4	YUKEND	Mono 8
## CTGATCCTCTATCCTA.1_4	YUKEND	Mono 2
## CTGCCTAAGGGTTCCC.1_4	YUKEND	NK 3
## CTGCCTACATTCTTAC.1_4	YUKEND	Mono 8
## CTGCCTAGTAAGCACG.1_4	YUKEND	NK 3
## CTGCCTAGTCCATGAT.1_4	YUKEND	Mono 8
## CTGCGGAGTAATCGTC.1_4	YUKEND	Mono 5
## CTGCGGATCGCTTGTC.1_4	YUKEND	Mono 8
## CTGCTGTAGATCCCGC.1_4	YUKEND	Mono 7
## CTGCTGTCAACTTGAC.1_4	YUKEND	B 3
## CTGCTGTGTTAAAGTG.1_4	YUKEND	Mono 8
## CTGCTGTGTTACGTCA.1_4	YUKEND	B 2
## CTGGTCTAGCAGCCTC.1_4	YUKEND	B 2
## CTGGTCTCAATGAATG.1_4	YUKEND	NK 1
## CTGGTCTTCCTCGCAT.1_4	YUKEND	Mono 2

## CTGTGCTCACAGTCGC.1_4	YUKEND	CD4T 3
## CTGTGCTCAGCTGTTA.1_4	YUKEND	TNKT 1
## CTGTGCTTCCGCATCT.1_4	YUKEND	Mono 4
## CTGTTTACACGAGAGT.1_4	YUKEND	CD4T 1
## CTGTTTACAGCCACCA.1_4	YUKEND	Mono 8
## CTGTTTAGTCACTGGC.1_4	YUKEND	CD4T 6
## CTGTTTAGTGAGGCTA.1_4	YUKEND	NK 2
## CTTAACTAGCACGCCT.1_4	YUKEND	Mono 4
## CTTAACTAGGAGTAGA.1_4	YUKEND	TNKT 1
## CTTAACTAGTTTAGGA.1_4	YUKEND	NK 3
## CTTAACTCAGATAATG.1_4	YUKEND	CD4T 1
## CTTAACTTCTGGCGTG.1_4	YUKEND	CD4T 4
## CTTACCGAGTGGAGTC.1_4	YUKEND	CD4T 2
## CTTACCGCAAAGGTGC.1_4	YUKEND	NK 1
## CTTACCGCACTGTTAG.1_4	YUKEND	Mono 4
## CTTACCGCAGTCACTA.1_4	YUKEND	Mono 1
## CTTACCGGTTTCCACC.1_4	YUKEND	B 2
## CTTACCGTCGTAGGAG.1_4	YUKEND	NK 1
## CTTACCGTCTCGTTTA.1_4	YUKEND	Mono 8
## CTTAGGAAGCCTTGAT.1_4	YUKEND	CD4T 2
## CTTAGGACACCCTATC.1_4	YUKEND	NK 2
## CTTAGGACATCAGTCA.1_4	YUKEND	TNKT 2
## CTTAGGAGTAGGACAC.1_4	YUKEND	CD4T 1
## CTTAGGAGTAGGCTGA.1_4	YUKEND	TNKT 2
## CTTAGGAGTTTAAGCC.1_4	YUKEND	Mono 2
## CTTAGGATCTAACTGG.1_4	YUKEND	CD8T 1
## CTTCTCTGTCACTGGC.1_4	YUKEND	CD8T 2
## CTTCTCTGTGCGAAAC.1_4	YUKEND	CD8T 1
## CTTCTCTGTTAGATGA.1_4	YUKEND	Mono 3
## CTTCTCTGTTGCGGAC.1_4	YUKEND	Mono 7
## CTTGGCTGTACCCAAT.1_4	YUKEND	CD4T 2
## CTTGGCTTCGGTTCGG.1_4	YUKEND	B 2
## CTTTGCGCAAGAGTCG.1_4	YUKEND	CD4T 1
## CTTTGCGCAGTCGTGC.1_4	YUKEND	Mono 8
## CTTTGCGGTCTAGCCG.1_4	YUKEND	Mono 5
## CTTTGCGGTGACTCAT.1_4	YUKEND	Mono 1
## CTTTGCGGTTCGAATC.1_4	YUKEND	CD4T 5
## GAAACTCAGTGATCGG.1_4	YUKEND	TNKT 1
## GAAACTCAGTGACGG.1_4	YUKEND	CD4T 2
## GAAACTCGTAGGAGTC.1_4	YUKEND	Mono 2
## GAAACTCGTAGGCATG.1_4	YUKEND	CD4T 3
## GAAACTCGTTAAGTAG.1_4	YUKEND	NK 3
## GAAACTCTCACTCTTA.1_4	YUKEND	CD8T 1
## GAAACTCTCCTCCTAG.1_4	YUKEND	Mono 8
## GAAACTCTCGATAGAA.1_4	YUKEND	TNKT 1
## GAAATGAGTAGCCTAT.1_4	YUKEND	NK 1
## GAAATGAGTCAGAATA.1_4	YUKEND	CD4T 1
## GAAATGATCGCGCAA.1_4	YUKEND	NK 4
## GAACATCAGACCGGAT.1_4	YUKEND	CD4T 2
## GAACATCCATCCAACA.1_4	YUKEND	TNKT 2
## GAACATCCATGCTAGT.1_4	YUKEND	Mono 4
## GAACATCGTTAGGGTG.1_4	YUKEND	Mono 8
## GAACCTAAGAAACCGC.1_4	YUKEND	CD4T 3
## GAACCTAAGCCACGCT.1_4	YUKEND	Mono 4

## GAACCTAAGGATGTAT.1_4	YUKEND	Mono 4
## GAACCTATCCTCTAGC.1_4	YUKEND	Mono 4
## GAACGGAAGCGATATA.1_4	YUKEND	CD4T 4
## GAACGGACATGTAAGA.1_4	YUKEND	Mono 4
## GAAGCAGGTTCTCCA.1_4	YUKEND	Mono 7
## GAAGCAGGTTTGACTG.1_4	YUKEND	CD4T 1
## GAAGCAGTCTACCAGA.1_4	YUKEND	B 3
## GAATAAGAGCTTCGCG.1_4	YUKEND	Mono 4
## GAATAAGAGTGAATTG.1_4	YUKEND	Mono 9
## GAATAAGCAGTATAAG.1_4	YUKEND	Mono 5
## GAATAAGCATCACGTA.1_4	YUKEND	B 3
## GAATAAGGTTTGCATG.1_4	YUKEND	TNKT 2
## GAATGAACACCATGTA.1_4	YUKEND	TNKT 1
## GAATGAAGTCTGATCA.1_4	YUKEND	Mono 2
## GAATGAAGTTCAGTAC.1_4	YUKEND	Mono 5
## GAATGAATCCAGGGCT.1_4	YUKEND	Mono 2
## GACACGCAGAAGGGTA.1_4	YUKEND	CD4T 6
## GACACGCAGCCCTAAT.1_4	YUKEND	CD4T 4
## GACACGCCACTGTTAG.1_4	YUKEND	CD4T 1
## GACACGCGTGCCTGCA.1_4	YUKEND	Mono 8
## GACACGCGTTGCGCAC.1_4	YUKEND	CD4T 2
## GACAGAGCACTGTGTA.1_4	YUKEND	Mono 8
## GACAGAGCACTTACGA.1_4	YUKEND	CD4T 1
## GACAGAGGTAAGTGGC.1_4	YUKEND	CD4T 2
## GACCAATCAGTATGCT.1_4	YUKEND	CD4T 2
## GACCAATCATACTCTT.1_4	YUKEND	CD4T 3
## GACCAATCATGCCACG.1_4	YUKEND	CD4T 4
## GACCAATGTGGTACAG.1_4	YUKEND	Mono 4
## GACCAATGTGTGCCTG.1_4	YUKEND	Mono 8
## GACCAATTCAAACCGT.1_4	YUKEND	TNKT 1
## GACCAATTCAGTCAGT.1_4	YUKEND	Mono 4
## GACCAATTCATCGCTC.1_4	YUKEND	CD4T 6
## GACCAATTCCTGCTTG.1_4	YUKEND	NK 3
## GACCTGGAGCGTCTAT.1_4	YUKEND	CD4T 1
## GACCTGGGTAGAAAGG.1_4	YUKEND	CD4T 1
## GACCTGGGTCCGGCA.1_4	YUKEND	CD4T 2
## GACGCGTAGCTGCAAG.1_4	YUKEND	Mono 1
## GACGCGTGTAACGCTG.1_4	YUKEND	Mono 4
## GACGCGTGTGTATGGG.1_4	YUKEND	B 2
## GACGCGTTCGCCCTTA.1_4	YUKEND	CD4T 1
## GACGCGTTCTTCAACT.1_4	YUKEND	NK 2
## GACGGCTCATCTACGA.1_4	YUKEND	NK 3
## GACGGCTGTACCAGT.1_4	YUKEND	Mono 8
## GACGGCTTCATAAAGG.1_4	YUKEND	Mono 4
## GACGGCTTCTCGGACG.1_4	YUKEND	Mono 1
## GACGTGCAGACTACAA.1_4	YUKEND	TNKT 1
## GACGTGCCAGGTGGAT.1_4	YUKEND	Mono 4
## GACGTGCGTAAGAGAG.1_4	YUKEND	NK 1
## GACGTGCGTCTCCACT.1_4	YUKEND	Mono 7
## GACGTTAAGCTAAGAT.1_4	YUKEND	Mono 4
## GACGTTAAGTGTCTCA.1_4	YUKEND	Mono 8
## GACGTTAAGTTGCAGG.1_4	YUKEND	B 2
## GACGTTACAAGAAGAG.1_4	YUKEND	Mono 3
## GACGTTACATTGTGCA.1_4	YUKEND	Mono 4

## GACGTTATCGAGGTAG.1_4	YUKEND	CD4T 7
## GACTAACAGAGTACCG.1_4	YUKEND	CD4T 1
## GACTAACAGTGAACGC.1_4	YUKEND	CD4T 1
## GACTACAAGGCTAGGT.1_4	YUKEND	NK 3
## GACTACAAGGGCTTGA.1_4	YUKEND	CD4T 2
## GACTACAGTATCGCAT.1_4	YUKEND	Mono 2
## GACTACAGTCCTAGCG.1_4	YUKEND	Mono 9
## GACTACATCCCGGATG.1_4	YUKEND	B 2
## GACTACATCGGCGCTA.1_4	YUKEND	CD4T 1
## GACTGCGAGCAGGTCA.1_4	YUKEND	NK 1
## GACTGCGAGCGATATA.1_4	YUKEND	TNKT 2
## GACTGCGCAGATGAGC.1_4	YUKEND	Mono 2
## GACTGCGGTTTCCACC.1_4	YUKEND	Mono 5
## GAGCAGAAGTTGAGAT.1_4	YUKEND	CD4T 4
## GAGCAGACAGGAATGC.1_4	YUKEND	CD4T 1
## GAGCAGACATATGAGA.1_4	YUKEND	B 2
## GAGCAGAGTATGAAAC.1_4	YUKEND	Mono 7
## GAGCAGAGTGACGCCT.1_4	YUKEND	CD4T 1
## GAGGTGAAGCGTAATA.1_4	YUKEND	NK 3
## GAGGTGAAGCGTGAGT.1_4	YUKEND	NK 1
## GAGGTGAGTATTCTCT.1_4	YUKEND	CD4T 5
## GAGGTGATCACTGGGC.1_4	YUKEND	NK 1
## GAGGTGATCGTGACAT.1_4	YUKEND	CD4T 4
## GAGTCCGGTTCTGAAC.1_4	YUKEND	TNKT 1
## GAGTCCGTCCACGTTT.1_4	YUKEND	CD8T 2
## GAGTCCGTCCCTAACC.1_4	YUKEND	TNKT 2
## GATCAGTAGACTGTAA.1_4	YUKEND	Mono 5
## GATCAGTAGCGAAGGG.1_4	YUKEND	B 2
## GATCAGTAGGGTTCCC.1_4	YUKEND	CD4T 1
## GATCAGTCAAGGTTTC.1_4	YUKEND	Mono 2
## GATCAGTCAATGTTGC.1_4	YUKEND	Mono 4
## GATCAGTGTATGAAAC.1_4	YUKEND	CD4T 1
## GATCGATAGCGTGAAC.1_4	YUKEND	Mono 8
## GATCGATAGGCGTACA.1_4	YUKEND	CD4T 1
## GATCGATCACCACCAG.1_4	YUKEND	CD4T 7
## GATCGATCATCTATGG.1_4	YUKEND	Mono 4
## GATCGATCATTACCTT.1_4	YUKEND	B 2
## GATCGATGTCTAGCGC.1_4	YUKEND	Mono 3
## GATCGATTCTGCAGG.1_4	YUKEND	TNKT 2
## GATCGATTCTATGTGG.1_4	YUKEND	CD4T 1
## GATCGTAAGCGTTGCC.1_4	YUKEND	TNKT 2
## GATCGTAAGGCGACAT.1_4	YUKEND	Mono 7
## GATCGTACACACGCTG.1_4	YUKEND	NK 3
## GATCGTATCACAATGC.1_4	YUKEND	CD8T 3
## GATCTAGAGAGACTAT.1_4	YUKEND	NK 2
## GATCTAGAGCGGCTTC.1_4	YUKEND	NK 3
## GATCTAGGTTTCATGGT.1_4	YUKEND	CD4T 2
## GATCTAGTCTGCGACG.1_4	YUKEND	NK 1
## GATGAAAAGACTGTAA.1_4	YUKEND	Mono 4
## GATGAAACAAGAAAGG.1_4	YUKEND	CD4T 7
## GATGAGGCAGATAATG.1_4	YUKEND	Mono 1
## GATGAGGCATCACCCT.1_4	YUKEND	TNKT 2
## GATGAGGGTACCGAGA.1_4	YUKEND	NK 3
## GATGAGGTCCTCCTAG.1_4	YUKEND	B 2

## GATGAGGTCGGCGGTT.1_4	YUKEND	CD4T 6
## GATGCTAGTAAATACG.1_4	YUKEND	CD4T 1
## GATGCTAGTATGAATG.1_4	YUKEND	NK 2
## GATTTCAGGTTGGTTTG.1_4	YUKEND	CD4T 1
## GCAAACCTAGCGTAATA.1_4	YUKEND	TNKT 2
## GCAAACCTCAATGCCAT.1_4	YUKEND	TNKT 1
## GCAAACCTCAGCATGAG.1_4	YUKEND	TNKT 1
## GCAAACCTGTTGCGCAC.1_4	YUKEND	Mono 1
## GCAATCAAGGATATAC.1_4	YUKEND	Mono 9
## GCAATCAAGGCAGGTT.1_4	YUKEND	NK 3
## GCAATCAGTACAGTGG.1_4	YUKEND	Mono 4
## GCAATCATCAGTTAGC.1_4	YUKEND	TNKT 2
## GCAATCATCCTTGCCA.1_4	YUKEND	Mono 5
## GCACATAAGGGAAACA.1_4	YUKEND	NK 3
## GCACATAAGTCAAGGC.1_4	YUKEND	CD4T 2
## GCACATACATCCTTGC.1_4	YUKEND	Mono 8
## GCACATAGTATCTGCA.1_4	YUKEND	CD4T 4
## GCACATATCGATCCCT.1_4	YUKEND	Mono 4
## GCACTCTAGATGCGAC.1_4	YUKEND	NK 3
## GCACTCTCAATAACGA.1_4	YUKEND	Mono 5
## GCACTCTGTCTCTTAT.1_4	YUKEND	NK 2
## GCACTCTTCAAGCCTA.1_4	YUKEND	CD4T 1
## GCACTCTTCCTGTAGA.1_4	YUKEND	TNKT 1
## GCAGCCAGTAGCACGA.1_4	YUKEND	NK 2
## GCAGCCAGTGAACCTT.1_4	YUKEND	CD4T 2
## GCAGCCAGTTGTGGCC.1_4	YUKEND	NK 1
## GCAGCCATCAACACCA.1_4	YUKEND	Mono 8
## GCAGTTACAAGTTGTC.1_4	YUKEND	NK 2
## GCAGTTACACGTCAGC.1_4	YUKEND	Mono 8
## GCAGTTAGTAACGACG.1_4	YUKEND	CD4T 1
## GCAGTTAGTATATGAG.1_4	YUKEND	CD4T 4
## GCAGTTATCAACTCTT.1_4	YUKEND	CD4T 1
## GCATACAAGTTGTAGA.1_4	YUKEND	TNKT 1
## GCATACACACTGTCCG.1_4	YUKEND	Mono 4
## GCATACAGTGAACCTT.1_4	YUKEND	CD4T 1
## GCATGATAGCTAAGAT.1_4	YUKEND	NK 3
## GCATGATAGTCCTCCT.1_4	YUKEND	Mono 4
## GCATGATCAATCTGCA.1_4	YUKEND	CD4T 6
## GCATGATCAATGGACG.1_4	YUKEND	Mono 8
## GCATGATCATCCCATC.1_4	YUKEND	CD4T 1
## GCATGATGTAAGAGAG.1_4	YUKEND	NK 1
## GCATGCGAGATGGGTC.1_4	YUKEND	NK 3
## GCATGCGCAAAGCAAT.1_4	YUKEND	NK 2
## GCATGCGCAGACGCAA.1_4	YUKEND	Mono 8
## GCATGCGGTGTTCTTT.1_4	YUKEND	CD4T 4
## GCATGTACAAAGCGGT.1_4	YUKEND	CD4T 3
## GCATGTACACACCGCA.1_4	YUKEND	NK 4
## GCATGTAGTAAGCACG.1_4	YUKEND	NK 1
## GCATGTAGTACAAGTA.1_4	YUKEND	Mono 4
## GCCAAATAGCGAAGGG.1_4	YUKEND	B 2
## GCCAAATCACCACGTG.1_4	YUKEND	Mono 8
## GCCAAATGTAGATTAG.1_4	YUKEND	CD8T 1
## GCCAAATGTCCACAA.1_4	YUKEND	NK 3
## GCCAAATTCTCGTATT.1_4	YUKEND	Mono 7

## GCCAAATTCTGATTCT.1_4	YUKEND	CD4T 1
## GCCTCTACACATGGGA.1_4	YUKEND	Mono 8
## GCCTCTACAGTGGGAT.1_4	YUKEND	B 1
## GCCTCTACATGTCTCC.1_4	YUKEND	Mono 4
## GCGACCAAGTTAAGTG.1_4	YUKEND	NK 1
## GCGACCACACACATGT.1_4	YUKEND	Mono 5
## GCGACCACAGGAATCG.1_4	YUKEND	CD4T 3
## GCGACCACAGGCAGTA.1_4	YUKEND	TNKT 1
## GCGACCACAGGTCTCG.1_4	YUKEND	Mono 4
## GCGACCATCATGTAGC.1_4	YUKEND	Mono 1
## GCGACCATCTTCATGT.1_4	YUKEND	CD4T 1
## GCGAGAAAGCCATCGC.1_4	YUKEND	TNKT 2
## GCGAGAACATCAGTCA.1_4	YUKEND	NK 3
## GCGAGAAGTGGTCTCG.1_4	YUKEND	CD4T 6
## GCGAGAATCGAATCCA.1_4	YUKEND	CD4T 7
## GCGCAACAGTCCGTAT.1_4	YUKEND	CD4T 3
## GCGCAACAGTGTCTCA.1_4	YUKEND	CD4T 1
## GCGCAACAGTTTCCTT.1_4	YUKEND	Mono 2
## GCGCAACGTAAGTGGC.1_4	YUKEND	Mono 2
## GCGCAACTCATCTGTT.1_4	YUKEND	Mono 4
## GCGCAGTGTCTTGCGG.1_4	YUKEND	Mono 8
## GCGCAGTTCAGCTTAG.1_4	YUKEND	TNKT 1
## GCGCAGTTCTTACCTA.1_4	YUKEND	B 2
## GCGCCAAAGCCGAAA.1_4	YUKEND	CD4T 4
## GCGCCAAAGTGGCACA.1_4	YUKEND	CD8T 1
## GCGCCAAAGTTCGATC.1_4	YUKEND	CD4T 2
## GCGCCAAGTTTGA CTG.1_4	YUKEND	B 3
## GCGCCAATCTTCCTTC.1_4	YUKEND	CD8T 2
## GCGCGATCACAACGTT.1_4	YUKEND	CD4T 7
## GCGGGTTAGTCGCCGT.1_4	YUKEND	CD4T 5
## GCTCCTAAGTTGAGTA.1_4	YUKEND	CD8T 1
## GCTCCTACACGTCAGC.1_4	YUKEND	CD4T 5
## GCTCCTACACTTGAT.1_4	YUKEND	NK 2
## GCTCTGTCAAATTGCC.1_4	YUKEND	Mono 3
## GCTCTGTCAACACAAC.1_4	YUKEND	Mono 7
## GCTGCAGAGATAGTCA.1_4	YUKEND	CD4T 4
## GCTGCAGTCCAAGTAC.1_4	YUKEND	CD8T 1
## GCTGCAGTCGGATGGA.1_4	YUKEND	Mono 5
## GCTGCAGTCTAACTCT.1_4	YUKEND	Mono 4
## GCTGCGAAGAGGTTAT.1_4	YUKEND	Mono 1
## GCTGCGAAGCTAACTC.1_4	YUKEND	TNKT 1
## GCTGCGACACGCTTTC.1_4	YUKEND	CD4T 2
## GCTGCGAGTCCACTC.1_4	YUKEND	CD4T 2
## GCTGCGAGTCCCGAG.1_4	YUKEND	NK 3
## GCTGCTTAGTCGTTTG.1_4	YUKEND	Mono 2
## GCTGCTTCAGTAACGG.1_4	YUKEND	Mono 7
## GCTGCTTGTGTAATGA.1_4	YUKEND	NK 2
## GCTGCTTGTAAAGATG.1_4	YUKEND	NK 1
## GCTGCTTTCAGCAACT.1_4	YUKEND	Mono 9
## GCTGCTTTCGCCAAAT.1_4	YUKEND	Mono 2
## GCTGGGTAGATGCCAG.1_4	YUKEND	TNKT 2
## GCTGGGTAGCTCTCGG.1_4	YUKEND	TNKT 2
## GCTGGGTAGTGCCATT.1_4	YUKEND	TNKT 1
## GCTGGGTGTATGGTTC.1_4	YUKEND	TNKT 1

## GCTGGGTTACATAGC.1_4	YUKEND	CD8T 1
## GCTGGGTTCAGAGGTG.1_4	YUKEND	Mono 2
## GCTGGGTTCAGATAAG.1_4	YUKEND	CD8T 1
## GCTGGGTTCCGACCAGC.1_4	YUKEND	Mono 5
## GCTTCCACAGACAAGC.1_4	YUKEND	Mono 8
## GCTTCCAGTCGTTGTA.1_4	YUKEND	Mono 9
## GCTTGAACAAGTACCT.1_4	YUKEND	TNKT 1
## GCTTGAAGTAGCGTAG.1_4	YUKEND	CD4T 1
## GCTTGAATCCCATTTA.1_4	YUKEND	CD4T 1
## GGAAAGCAGCTAGCCC.1_4	YUKEND	NK 3
## GGAAAGCAGTGGTCCC.1_4	YUKEND	Mono 1
## GGAAAGCGTCTGATCA.1_4	YUKEND	CD4T 2
## GGAACCTTCAGCATGAG.1_4	YUKEND	Mono 7
## GGAACCTTCATAAGACA.1_4	YUKEND	Mono 2
## GGAACCTTTCCGAGCCA.1_4	YUKEND	B 2
## GGAATAAAGCCAGAAC.1_4	YUKEND	NK 2
## GGAATAACAGGACCCT.1_4	YUKEND	B 2
## GGAATAAGTAAGTTCC.1_4	YUKEND	Mono 4
## GGAATAAGTGGTACAG.1_4	YUKEND	Mono 9
## GGAATAATCCAAATGC.1_4	YUKEND	Mono 4
## GGAATAATCCAAGTAC.1_4	YUKEND	Mono 8
## GGACAAGAGATGCCAG.1_4	YUKEND	NK 1
## GGACAAGCATTGTGCA.1_4	YUKEND	CD4T 4
## GGACAAGTCTGGGCCA.1_4	YUKEND	NK 1
## GGACAGAGTGTAAGTA.1_4	YUKEND	Mono 3
## GGACATTAGCGATCCC.1_4	YUKEND	Mono 9
## GGACATTCAACACCTA.1_4	YUKEND	CD4T 2
## GGACATTTCTGACCGG.1_4	YUKEND	TNKT 1
## GGACGTCAGGCGATAC.1_4	YUKEND	Mono 9
## GGACGTCAGTATCGAA.1_4	YUKEND	Mono 4
## GGACGTCGTAACGCGA.1_4	YUKEND	Mono 8
## GGACGTCCTCGCAGGCT.1_4	YUKEND	CD4T 4
## GGAGCAAAGTCCCACG.1_4	YUKEND	CD4T 2
## GGAGCAAAGTGTTAGA.1_4	YUKEND	B 3
## GGAGCAACAAGGACAC.1_4	YUKEND	Mono 5
## GGAGCAACACACAGAG.1_4	YUKEND	CD4T 2
## GGAGCAACAGACTCGC.1_4	YUKEND	Mono 3
## GGAGCAAGTAAATGAC.1_4	YUKEND	CD4T 1
## GGATGTTAGGTGCTTT.1_4	YUKEND	TNKT 2
## GGATGTTCAGTATCTG.1_4	YUKEND	NK 3
## GGATGTTTCATAAAGGT.1_4	YUKEND	B 2
## GGATGTTGTGTGCCTG.1_4	YUKEND	Mono 5
## GGATGTTTCACGATGT.1_4	YUKEND	NK 1
## GGATGTTTCAGATAAG.1_4	YUKEND	NK 1
## GGATTACAGCAGGCTA.1_4	YUKEND	CD8T 1
## GGATTACAGCGTTTAC.1_4	YUKEND	CD4T 2
## GGATTACAGTGAAGTT.1_4	YUKEND	CD4T 3
## GGATTACCAGATGGCA.1_4	YUKEND	CD4T 2
## GGATTACGTAAGTAGT.1_4	YUKEND	NK 3
## GGATTACGTAGGAGTC.1_4	YUKEND	Mono 2
## GGATTACGTGACGGTA.1_4	YUKEND	TNKT 2
## GGATTACTCAACGGCC.1_4	YUKEND	CD4T 1
## GGATTACTCAGGCAAG.1_4	YUKEND	Mono 1
## GGATTACTCCGAACGC.1_4	YUKEND	CD4T 4

## GGATTACTCTCCGGTT.1_4	YUKEND	Mono 4
## GGCAATTAGACTCGGA.1_4	YUKEND	CD4T 1
## GGCAATTCAAGGGTCA.1_4	YUKEND	Mono 3
## GGCAATTCACAGTCGC.1_4	YUKEND	Mono 8
## GGCAATTCAGCTCGCA.1_4	YUKEND	NK 1
## GGCAATTTCTGCCAGG.1_4	YUKEND	CD8T 1
## GGCCGATCAGCCTATA.1_4	YUKEND	Mono 1
## GGCCGATGTCCAGTTA.1_4	YUKEND	Mono 3
## GGCCGATGTGGCGAAT.1_4	YUKEND	Mono 1
## GGCCGATGTTGTGGAG.1_4	YUKEND	B 2
## GGCGACTCAGCTTAAC.1_4	YUKEND	Mono 4
## GGCGACTCATCACAAC.1_4	YUKEND	NK 2
## GGCGTGTATATGGTC.1_4	YUKEND	Mono 5
## GGCGTGTGTGTTTGGT.1_4	YUKEND	CD8T 3
## GGCGTGTTCGCGTTT.1_4	YUKEND	NK 2
## GGCGTGTTCGGCTTGG.1_4	YUKEND	CD4T 4
## GGCTCGAAGACGCTTT.1_4	YUKEND	Mono 9
## GGCTCGAAGTCCAGGA.1_4	YUKEND	NK 2
## GGCTCGACAAGCCAC.1_4	YUKEND	Mono 2
## GGCTCGAGTTGGTGA.1_4	YUKEND	Mono 4
## GGCTCGATCAGTACGT.1_4	YUKEND	B 2
## GGCTCGATCTTTAGGG.1_4	YUKEND	CD4T 2
## GGCTGGTAGTGAAGAG.1_4	YUKEND	Mono 9
## GGCTGGTCAAGTTAAG.1_4	YUKEND	CD4T 7
## GGCTGGTCACCAGTTA.1_4	YUKEND	NK 3
## GGCTGGTGTGCAACTT.1_4	YUKEND	CD4T 7
## GGCTGGTGTGGTCCGT.1_4	YUKEND	Mono 4
## GGCTGGTTCACCAGGC.1_4	YUKEND	NK 1
## GGCTGGTTCAGCAACT.1_4	YUKEND	CD4T 3
## GGCTGGTTCGAAGTAC.1_4	YUKEND	Mono 4
## GGCTGGTTCCTGAGGT.1_4	YUKEND	Mono 8
## GGGAATGCAAACTGTC.1_4	YUKEND	CD4T 6
## GGGAATGCATTCCTCG.1_4	YUKEND	Mono 1
## GGGAATGTCTTTACAC.1_4	YUKEND	NK 4
## GGGACCTGTTGCTAA.1_4	YUKEND	B 2
## GGGACCTTCCACGACG.1_4	YUKEND	Mono 8
## GGGACCTTCCAGATCA.1_4	YUKEND	NK 1
## GGGACCTTCCCAAGTA.1_4	YUKEND	Mono 4
## GGGAGATAGCCCAATT.1_4	YUKEND	CD4T 2
## GGGAGATAGGTCATCT.1_4	YUKEND	CD4T 4
## GGGAGATCATAAGACA.1_4	YUKEND	NK 3
## GGGAGATGTAGAGGAA.1_4	YUKEND	B 2
## GGGAGATGTAGGGACT.1_4	YUKEND	NK 2
## GGGAGATGTTGTCGCG.1_4	YUKEND	Mono 8
## GGGAGATTCTGCGGCA.1_4	YUKEND	Mono 5
## GGGATGACAAGAGTCG.1_4	YUKEND	B 2
## GGGATGACATTCACTT.1_4	YUKEND	Mono 9
## GGGATGAGTTAAGGGC.1_4	YUKEND	CD4T 2
## GGGATGATCGCGCAA.1_4	YUKEND	CD4T 7
## GGGCACTAGTCCGGTC.1_4	YUKEND	Mono 9
## GGGCACTCAATCGAAA.1_4	YUKEND	Mono 4
## GGGCACTCAGTGACAG.1_4	YUKEND	CD8T 2
## GGGCACTGTCTAACGT.1_4	YUKEND	Mono 4
## GGGCACTGTTACCAGT.1_4	YUKEND	TNKT 2

## GGGCACTTCGCCCTTA.1_4	YUKEND	CD4T 2
## GGGCATCAGAACAATC.1_4	YUKEND	TNKT 1
## GGGCATCCAAAGGCGT.1_4	YUKEND	B 2
## GGGCATCGTAAGTGTA.1_4	YUKEND	NK 3
## GGGCATCGTCTAGTCA.1_4	YUKEND	TNKT 2
## GGGCATCGTGCAGACA.1_4	YUKEND	Mono 5
## GGGCATCGTGCCTTGG.1_4	YUKEND	NK 3
## GGGCATCGTTCCTCCA.1_4	YUKEND	B 3
## GGGCATCTCTTGATC.1_4	YUKEND	Mono 2
## GGGTTGCCAAGAGTCG.1_4	YUKEND	CD4T 1
## GGTATTGGTCACAAGG.1_4	YUKEND	NK 2
## GGTGAAGTCGCTGATA.1_4	YUKEND	Mono 4
## GGTGCGTAGGTCATCT.1_4	YUKEND	NK 3
## GGTGCGTGTGACAAAT.1_4	YUKEND	CD4T 2
## GGTGCGTGTGAGTGAC.1_4	YUKEND	Mono 7
## GGTGTTATCCCATTTA.1_4	YUKEND	CD4T 5
## GTAACGTCAACGATCT.1_4	YUKEND	TNKT 2
## GTAACGTCAGGACCCT.1_4	YUKEND	Mono 9
## GTAACGTGTCACCCAG.1_4	YUKEND	Mono 9
## GTAACGTGTCTGATTG.1_4	YUKEND	CD4T 1
## GTAACGTGTTCCCTTG.1_4	YUKEND	CD4T 3
## GTAACGTTATCACC.1_4	YUKEND	Mono 1
## GTAACGTTCTAACCGA.1_4	YUKEND	NK 2
## GTAACGTGAGTGGAGAA.1_4	YUKEND	Mono 2
## GTAACGTGACTTGAC.1_4	YUKEND	NK 2
## GTAACGTGTCCTCAAGTA.1_4	YUKEND	NK 3
## GTACGTACATATGAGA.1_4	YUKEND	TNKT 1
## GTACGTAGTCTCTTG.1_4	YUKEND	CD4T 2
## GTACGTAGTCTGATTG.1_4	YUKEND	NK 3
## GTACGTAGTTCAGGCC.1_4	YUKEND	CD4T 4
## GTACGTATCCTTCAAT.1_4	YUKEND	CD4T 6
## GTACGTATCTGATTCT.1_4	YUKEND	CD4T 1
## GTACGTATCTTCAACT.1_4	YUKEND	B 2
## GTACTCCGTTTGTGTG.1_4	YUKEND	Mono 5
## GTACTCCTCAACGGCC.1_4	YUKEND	CD4T 2
## GTACTCCTCGCTTGTC.1_4	YUKEND	CD4T 6
## GTACTCCTCTATCCCG.1_4	YUKEND	CD4T 1
## GTACTTTAGAGACGAA.1_4	YUKEND	CD4T 2
## GTACTTTAGAGCCTAG.1_4	YUKEND	CD4T 1
## GTACTTTAGAGGTACC.1_4	YUKEND	B 2
## GTACTTTAGCCCAATT.1_4	YUKEND	Mono 1
## GTACTTTAGTCTTGCA.1_4	YUKEND	CD4T 2
## GTACTTTGTCTAGAGG.1_4	YUKEND	CD8T 1
## GTACTTTTCGTAGGTT.1_4	YUKEND	Mono 9
## GTACTTTTCTCCGTT.1_4	YUKEND	CD4T 3
## GTAGGCCAGCTAAACA.1_4	YUKEND	CD4T 6
## GTAGGCCAGGTCATCT.1_4	YUKEND	CD4T 2
## GTAGGCCCAGCATACT.1_4	YUKEND	Mono 4
## GTAGGCCCAGCATGAG.1_4	YUKEND	B 2
## GTAGGCCGTAGCAAAT.1_4	YUKEND	Mono 1
## GTAGGCCGTACACGC.1_4	YUKEND	Mono 8
## GTAGGCCTCCACTGGG.1_4	YUKEND	Mono 4
## GTAGTCAAGGACAGCT.1_4	YUKEND	Mono 1
## GTAGTCACACTCGACG.1_4	YUKEND	Mono 3

## GTAGTCAGTCATCCCT.1_4	YUKEND	Mono 3
## GTATCTTTCTGCCCTA.1_4	YUKEND	CD4T 7
## GTATTCTAGAGGGATA.1_4	YUKEND	Mono 8
## GTATTCTAGAGTACAT.1_4	YUKEND	B 2
## GTATTCTAGAGTCTGG.1_4	YUKEND	CD4T 1
## GTATTCTAGTGTACTION.1_4	YUKEND	Mono 3
## GTATTCTCAAGCGCTC.1_4	YUKEND	TNKT 1
## GTATTCTCAAGGACTG.1_4	YUKEND	CD8T 1
## GTATTCTCACAACGCC.1_4	YUKEND	Mono 5
## GTATTCTGTACATGTC.1_4	YUKEND	CD8T 2
## GTATTCTTCCCAAGAT.1_4	YUKEND	Mono 5
## GTATTCTTCCCATTTA.1_4	YUKEND	Mono 4
## GTATTCTTCGGCCGAT.1_4	YUKEND	CD4T 6
## GTCAAGTAGACTACAA.1_4	YUKEND	CD4T 3
## GTCAAGTAGCGTAATA.1_4	YUKEND	CD4T 2
## GTCAAGTAGCTACCGC.1_4	YUKEND	NK 2
## GTCAAGTAGCTACCTA.1_4	YUKEND	Mono 8
## GTCAAGTCAAACCTGCT.1_4	YUKEND	Mono 8
## GTCAAGTCACTTAACG.1_4	YUKEND	Mono 4
## GTCAAGTGTGTCGCTG.1_4	YUKEND	CD4T 1
## GTCAAGTTCCTAACGG.1_4	YUKEND	TNKT 1
## GTCAAGTTCGGACAAG.1_4	YUKEND	Mono 7
## GTCAAGTTCGGTGTCTG.1_4	YUKEND	CD4T 7
## GTCACAAAGACAATAC.1_4	YUKEND	NK 2
## GTCACGGAGTTAACGA.1_4	YUKEND	Mono 8
## GTCACGGGTAGTAGTA.1_4	YUKEND	B 2
## GTCACGGTCATACGGT.1_4	YUKEND	Mono 4
## GTCATTTAGCTTATCG.1_4	YUKEND	B 3
## GTCATTTAGGACACCA.1_4	YUKEND	Mono 1
## GTCATTTCAGTAAGCG.1_4	YUKEND	CD4T 1
## GTCATTTCAGTAGAGC.1_4	YUKEND	Mono 4
## GTCATTTGTCGCCATG.1_4	YUKEND	B 2
## GTCATTTTCAAACGGG.1_4	YUKEND	CD4T 1
## GTCATTTTCTAGCACA.1_4	YUKEND	CD4T 4
## GTCCTCAAGCGAAGGG.1_4	YUKEND	Mono 8
## GTCCTCAAGTACGATA.1_4	YUKEND	CD4T 1
## GTCCTCACATGTAGTC.1_4	YUKEND	CD4T 6
## GTCCTCATCCGGGTGT.1_4	YUKEND	NK 1
## GTCGGGTAGCATGGCA.1_4	YUKEND	Mono 8
## GTCGGGTGAGTATAAG.1_4	YUKEND	B 2
## GTCGTAAAGCTCCTCT.1_4	YUKEND	CD4T 4
## GTCGTAAAGGCAGGTT.1_4	YUKEND	CD4T 4
## GTCGTAAACCCGAAAA.1_4	YUKEND	CD4T 1
## GTCGTAAAGTGAGTGAC.1_4	YUKEND	TNKT 1
## GTCGTAAAGTTTCGCTC.1_4	YUKEND	CD4T 2
## GTCTCGTCATTCTCAT.1_4	YUKEND	CD4T 2
## GTCTCGTGTGTCTCT.1_4	YUKEND	CD4T 4
## GTCTCGTGTGTGTGTG.1_4	YUKEND	CD4T 6
## GTCTCGTTCGCATCT.1_4	YUKEND	CD4T 6
## GTCTCGTTCCTTAGGG.1_4	YUKEND	CD4T 6
## GTCTTCGAGAATAGGG.1_4	YUKEND	B 2
## GTCTTCGAGGGAAACA.1_4	YUKEND	CD4T 1
## GTCTTCGAGTCTCCTC.1_4	YUKEND	CD4T 2
## GTCTTCGCAGGTCTCG.1_4	YUKEND	Mono 7

## GTCTTCGTCGTAGATC.1_4	YUKEND	Mono 8
## GTGAAGGAGCCACCTG.1_4	YUKEND	CD4T 2
## GTGAAGGCAACTTGAC.1_4	YUKEND	Mono 8
## GTGAAGGCACGGATAG.1_4	YUKEND	Mono 5
## GTGAAGGCAGACAAAT.1_4	YUKEND	Mono 2
## GTGAAGGCATCACGTA.1_4	YUKEND	NK 1
## GTGAAGGTCACCCTCA.1_4	YUKEND	Mono 4
## GTGCAGCAGACATAAC.1_4	YUKEND	CD4T 1
## GTGCAGCCAATAGCAA.1_4	YUKEND	CD8T 1
## GTGCAGCCAGCTGTTA.1_4	YUKEND	CD4T 7
## GTGCAGCGTTGACGTT.1_4	YUKEND	TNKT 2
## GTGCATACAGAAGCAC.1_4	YUKEND	Mono 1
## GTGCATAGTCTCTCTG.1_4	YUKEND	NK 3
## GTGCATAGTGAAAGAG.1_4	YUKEND	CD4T 1
## GTGCATATCCCAACGG.1_4	YUKEND	CD4T 1
## GTGCATATCCTAGGGC.1_4	YUKEND	NK 2
## GTGCATATCTCATTCA.1_4	YUKEND	CD8T 1
## GTGCGGTAGGCTAGAC.1_4	YUKEND	NK 3
## GTGCGGTCACTTACGA.1_4	YUKEND	TNKT 1
## GTGCGGTGTAGTACCT.1_4	YUKEND	Mono 2
## GTGCGGTTCCTATTTA.1_4	YUKEND	Mono 8
## GTGCGGTTCCTGTAGA.1_4	YUKEND	Mono 4
## GTGCTTCCAAGTTCTG.1_4	YUKEND	TNKT 2
## GTGCTTCCACGGCCAT.1_4	YUKEND	Mono 5
## GTGCTTCCATTACCTT.1_4	YUKEND	TNKT 1
## GTGCTTCTCCGCTGTT.1_4	YUKEND	CD4T 1
## GTGCTTCTCGGCCGAT.1_4	YUKEND	CD8T 2
## GTGGGTCAGTTGTAGA.1_4	YUKEND	CD4T 5
## GTGGGTCCACCGATAT.1_4	YUKEND	Mono 4
## GTGGGTTCGTAGTGAAT.1_4	YUKEND	NK 2
## GTGGGTTCGTCAGAAGC.1_4	YUKEND	Mono 9
## GTGGGTCTCACCGTAA.1_4	YUKEND	CD8T 2
## GTGGGTCTCATCGCTC.1_4	YUKEND	CD4T 4
## GTGTGCGCATCGGTTA.1_4	YUKEND	Mono 8
## GTGTGCGGTCCGAATT.1_4	YUKEND	CD4T 2
## GTGTTAGCAATGAATG.1_4	YUKEND	CD4T 7
## GTGTTAGCAGCGTCCA.1_4	YUKEND	DC 1
## GTGTTAGGTAGCAAAT.1_4	YUKEND	CD4T 1
## GTGTTAGGTCATATCG.1_4	YUKEND	Mono 5
## GTGTTAGGTCAGCGC.1_4	YUKEND	Mono 1
## GTGTTAGGTTTAGGAA.1_4	YUKEND	NK 2
## GTGTTAGTCCCAGGTG.1_4	YUKEND	B 2
## GTTAAGCAGACAGAGA.1_4	YUKEND	NK 1
## GTTAAGCCAACGCACC.1_4	YUKEND	Mono 4
## GTTAAGCTCATGTCTT.1_4	YUKEND	Mono 5
## GTTAAGCTCTTGGGTA.1_4	YUKEND	TNKT 1
## GTTACAGAGATCCCGC.1_4	YUKEND	CD4T 2
## GTTACAGAGCATCATC.1_4	YUKEND	Mono 5
## GTTACAGAGGAGTACC.1_4	YUKEND	Mono 1
## GTTACAGCAATCGGTT.1_4	YUKEND	B 2
## GTTACAGCAGACAGGT.1_4	YUKEND	CD4T 1
## GTTCATTAGTCCCACG.1_4	YUKEND	CD4T 2
## GTTCATTCACTTCTGC.1_4	YUKEND	B 3
## GTTCATTGTTTGTTGG.1_4	YUKEND	Mono 7

## GTTCATTTCCGAGCCA.1_4	YUKEND	Mono 9
## GTTCATTTCTGCTTGC.1_4	YUKEND	Mono 4
## GTTCGGGAGCTATGCT.1_4	YUKEND	CD8T 2
## GTTCGGGCACGAAACG.1_4	YUKEND	Mono 5
## GTTCGGGCAGGATTG.1_4	YUKEND	NK 1
## GTTCTCGCATCTCCCA.1_4	YUKEND	NK 2
## GTTCTCGCATCTCGCT.1_4	YUKEND	Mono 9
## GTTCTCGTCAAAGACA.1_4	YUKEND	Mono 1
## GTTCTCGTCGCCATAA.1_4	YUKEND	CD4T 1
## GTTTCTAAGACTTTTCG.1_4	YUKEND	CD8T 2
## GTTTCTAAGCCAGTTT.1_4	YUKEND	Mono 4
## GTTTCTAAGTTCGATC.1_4	YUKEND	NK 2
## GTTTCTAGTCAACTGT.1_4	YUKEND	CD4T 1
## GTTTCTAGTCACTTCC.1_4	YUKEND	NK 3
## GTTTCTATCATGTGGT.1_4	YUKEND	Mono 7
## TAAACCGAGGGAACGG.1_4	YUKEND	TNKT 2
## TAAACCGAGGTGATAT.1_4	YUKEND	CD4T 2
## TAAACCGAGTCTTGCA.1_4	YUKEND	TNKT 2
## TAAACCGAGTTCGCGC.1_4	YUKEND	Mono 2
## TAAACCGCAATAACGA.1_4	YUKEND	Mono 4
## TAAACCGTCACTCTTA.1_4	YUKEND	NK 3
## TAAACCGTCAGTCCCT.1_4	YUKEND	NK 1
## TAAACCGTCCCACTTG.1_4	YUKEND	CD4T 2
## TAAGAGACAAACTGCT.1_4	YUKEND	CD4T 1
## TAAGAGACACCATGTA.1_4	YUKEND	NK 3
## TAAGCGTGTCTCTTG.1_4	YUKEND	CD4T 4
## TAAGTGCAGGGCATGT.1_4	YUKEND	TNKT 1
## TAAGTGCGTGACGCCT.1_4	YUKEND	Mono 5
## TACACGAAGGGTCGAT.1_4	YUKEND	CD4T 1
## TACACGACAAAGCAAT.1_4	YUKEND	Mono 9
## TACACGACACAACGCC.1_4	YUKEND	CD4T 4
## TACACGAGTACCATCA.1_4	YUKEND	CD4T 6
## TACACGAGTATTCTCT.1_4	YUKEND	Mono 8
## TACACGATCCAGATCA.1_4	YUKEND	CD4T 7
## TACAGTGCAATGAATG.1_4	YUKEND	Mono 2
## TACAGTGCAGCTTCGG.1_4	YUKEND	TNKT 2
## TACAGTGGTGGTCCGT.1_4	YUKEND	CD4T 2
## TACAGTGTCTTAGAGC.1_4	YUKEND	Mono 7
## TACCTATGTCACACGC.1_4	YUKEND	Mono 7
## TACCTATGTCCGGCA.1_4	YUKEND	Mono 5
## TACCTATTCAATACCG.1_4	YUKEND	Mono 8
## TACCTATTCCACGACG.1_4	YUKEND	Mono 4
## TACCTTAAGACGACGT.1_4	YUKEND	TNKT 2
## TACCTTACATCTACGA.1_4	YUKEND	TNKT 1
## TACCTTAGTACACCGC.1_4	YUKEND	Mono 9
## TACCTTATCTGAAAGA.1_4	YUKEND	TNKT 1
## TACCTTATCTGCGACG.1_4	YUKEND	Mono 8
## TACGGATCAGACAGGT.1_4	YUKEND	Mono 8
## TACGGATGTAAACACA.1_4	YUKEND	NK 3
## TACGGATGTGCCTGTG.1_4	YUKEND	Mono 3
## TACGGATGTTGACGTT.1_4	YUKEND	Mono 4
## TACGGGCAGAGACGAA.1_4	YUKEND	Mono 5
## TACGGGCAGTGTGAAT.1_4	YUKEND	NK 2
## TACGGGCCATGAACCT.1_4	YUKEND	Mono 2

## TACGGGCGTTGGACCC.1_4	YUKEND	CD8T 1
## TACGGGCTCAGCGACC.1_4	YUKEND	CD4T 3
## TACGGTAAGAGGGATA.1_4	YUKEND	CD4T 2
## TACGGTAAGTCACGCC.1_4	YUKEND	CD4T 2
## TACGGTATCATGCTCC.1_4	YUKEND	TNKT 2
## TACGGTATCCAAAGTC.1_4	YUKEND	CD4T 4
## TACTCATAGGGAGTAA.1_4	YUKEND	NK 1
## TACTCATCAAGTTCT.1_4	YUKEND	Mono 4
## TACTCATCAGTTAACC.1_4	YUKEND	B 2
## TACTCATCATACGCCG.1_4	YUKEND	TNKT 2
## TACTCATGTCGTTGTA.1_4	YUKEND	CD4T 3
## TACTCATTCACTGGGC.1_4	YUKEND	Mono 3
## TACTCATTCCTAGAAC.1_4	YUKEND	CD4T 4
## TACTCGCAGGTGCAAC.1_4	YUKEND	CD4T 3
## TACTCGCGTGCACTTA.1_4	YUKEND	NK 1
## TACTTACAGGATGGAA.1_4	YUKEND	CD4T 6
## TACTTACTCTGGTGTA.1_4	YUKEND	TNKT 2
## TACTTGTCAATTGCTG.1_4	YUKEND	CD4T 3
## TACTTGTCAACAGTTA.1_4	YUKEND	NK 3
## TACTTGTCAAGACCCT.1_4	YUKEND	CD4T 7
## TACTTGTCACTACACT.1_4	YUKEND	CD4T 6
## TACTTGTGTTCTCATT.1_4	YUKEND	CD8T 1
## TACTTGTTCCAAAGTC.1_4	YUKEND	NK 2
## TACTTGTTCGAAACG.1_4	YUKEND	CD4T 3
## TACTTGTTCCTGTGTCG.1_4	YUKEND	Mono 4
## TAGACCATCTGCTGTC.1_4	YUKEND	Mono 4
## TAGAGCTAGTCCAGGA.1_4	YUKEND	CD4T 4
## TAGAGCTCAAACGTGG.1_4	YUKEND	CD4T 3
## TAGAGCTGTCCTAGCG.1_4	YUKEND	CD4T 6
## TAGAGCTGTTAGTGGG.1_4	YUKEND	CD4T 2
## TAGCCGGCAACACCTA.1_4	YUKEND	NK 4
## TAGCCGGCAAGTCTAC.1_4	YUKEND	CD4T 4
## TAGCCGGCATCGGACC.1_4	YUKEND	CD4T 2
## TAGCCGGGTATATGGA.1_4	YUKEND	TNKT 1
## TAGCCGGGTATCTGCA.1_4	YUKEND	CD4T 5
## TAGGCATAGAAGATTC.1_4	YUKEND	Mono 9
## TAGGCATAGCGATGAC.1_4	YUKEND	B 2
## TAGGCATGTAAATGTG.1_4	YUKEND	NK 2
## TAGGCATTCAAACCAC.1_4	YUKEND	CD4T 6
## TAGTGGTCAACAACCT.1_4	YUKEND	CD8T 1
## TAGTGGTCAGTCCTTC.1_4	YUKEND	B 2
## TAGTTGGAGCTAACTC.1_4	YUKEND	NK 3
## TAGTTGGAGTTAGCGG.1_4	YUKEND	CD8T 1
## TAGTTGGCACCCATGG.1_4	YUKEND	Mono 7
## TAGTTGGCACTGAAGG.1_4	YUKEND	NK 3
## TAGTTGGGTTCATGGT.1_4	YUKEND	NK 1
## TAGTTGGTCAGAGCTT.1_4	YUKEND	CD4T 4
## TAGTTGGTCAGCCTAA.1_4	YUKEND	Mono 4
## TATCAGGAGCGGATCA.1_4	YUKEND	Mono 8
## TATCAGGCAAGCCGCT.1_4	YUKEND	TNKT 2
## TATCAGGCACAGATTC.1_4	YUKEND	CD4T 6
## TATCTCAAGCACGCCT.1_4	YUKEND	Mono 9
## TATCTCACAAGCGTAG.1_4	YUKEND	B 2
## TATCTCACAGTGGAGT.1_4	YUKEND	TNKT 2

## TATCTCATCCTAGGGC.1_4	YUKEND	CD4T 1
## TATCTCATCGGTTCCG.1_4	YUKEND	CD4T 6
## TATCTCATCTTATCTG.1_4	YUKEND	CD4T 1
## TATGCCCAGTTCGCAT.1_4	YUKEND	CD4T 2
## TATGCCCCACAGCCCA.1_4	YUKEND	Mono 1
## TATGCCCCAGGCGATA.1_4	YUKEND	Mono 2
## TATGCCCCGTGAAGGCT.1_4	YUKEND	TNKT 1
## TATGCCCTCCGTAGTA.1_4	YUKEND	CD4T 1
## TATGCCCTCGGGAGTA.1_4	YUKEND	B 2
## TATTACCCAGCTCGCA.1_4	YUKEND	NK 1
## TATTACCGTACCAGTT.1_4	YUKEND	CD4T 2
## TATTACCGTCCACAA.1_4	YUKEND	NK 3
## TATTACCTCTCCCTGA.1_4	YUKEND	B 2
## TCAACGAAGGATGTAT.1_4	YUKEND	TNKT 1
## TCAACGACAATCGAAA.1_4	YUKEND	NK 3
## TCAACGACATTCTGC.1_4	YUKEND	CD4T 1
## TCAACGATCAATCTCT.1_4	YUKEND	Mono 1
## TCAACGATCTCGAGTA.1_4	YUKEND	Mono 4
## TCAACGATCTCTGCTG.1_4	YUKEND	CD4T 2
## TCAATCTAGGCGATAC.1_4	YUKEND	Mono 4
## TCAATCTCAACGATGG.1_4	YUKEND	CD4T 5
## TCAATCTCAGTAGAGC.1_4	YUKEND	Mono 4
## TCAATCTCATGAAGTA.1_4	YUKEND	Mono 8
## TCAATCTTCAATCACG.1_4	YUKEND	NK 1
## TCAATCTTCAGCATGT.1_4	YUKEND	CD4T 1
## TCAATCTTCGGAGCAA.1_4	YUKEND	CD4T 6
## TCACAAGAGGTAGCCA.1_4	YUKEND	Mono 2
## TCACAAGCACAGACAG.1_4	YUKEND	NK 1
## TCACAAGGTGCCTGTG.1_4	YUKEND	Mono 1
## TCACAAGTCTGTCTCG.1_4	YUKEND	CD4T 2
## TCACGAAAGAAACGCC.1_4	YUKEND	CD4T 6
## TCACGAAAGGCTCATT.1_4	YUKEND	Mono 5
## TCACGAACAGATTGCT.1_4	YUKEND	NK 3
## TCACGAAGTGGTGTAG.1_4	YUKEND	Mono 1
## TCACGAATCGGTGTTA.1_4	YUKEND	Mono 1
## TCAGATGCAAGTTCTG.1_4	YUKEND	CD4T 3
## TCAGATGCATTTGCCC.1_4	YUKEND	TNKT 2
## TCAGATGGTATTCTCT.1_4	YUKEND	CD4T 2
## TCAGATGTCACTATTC.1_4	YUKEND	CD4T 1
## TCAGATGTCTGCGACG.1_4	YUKEND	CD4T 5
## TCAGCAAAGACCTTTG.1_4	YUKEND	Mono 8
## TCAGCAAAGGCTCAGA.1_4	YUKEND	CD4T 7
## TCAGCAACAAGCCATT.1_4	YUKEND	Mono 2
## TCAGCAACACAGGTTT.1_4	YUKEND	B 2
## TCAGCAACACTGTGTA.1_4	YUKEND	Mono 4
## TCAGCAAGTTACAGAA.1_4	YUKEND	Mono 2
## TCAGCAAGTTAGAACA.1_4	YUKEND	NK 2
## TCAGCAAGTCCCGAG.1_4	YUKEND	CD4T 2
## TCAGCAATCCCATTAT.1_4	YUKEND	B 2
## TCAGCTCAGTACATGA.1_4	YUKEND	CD4T 5
## TCAGCTCTCGTAGGTT.1_4	YUKEND	Mono 2
## TCAGGATCAATGAATG.1_4	YUKEND	CD4T 2
## TCAGGATCAATGGAAT.1_4	YUKEND	TNKT 1
## TCAGGATCACAAGCCC.1_4	YUKEND	NK 3

## TCAGGATGTCATTAGC.1_4	YUKEND	CD4T 1
## TCAGGATTCTTGGGTA.1_4	YUKEND	Mono 7
## TCAGGTACATCTCGCT.1_4	YUKEND	Mono 4
## TCAGGTAGTGTCTGAT.1_4	YUKEND	CD8T 1
## TCAGGTATCACATGCA.1_4	YUKEND	CD4T 2
## TCATTACAGCTGCGAA.1_4	YUKEND	Mono 5
## TCATTACTCACCTCA.1_4	YUKEND	TNKT 1
## TCATTACTCTCGGACG.1_4	YUKEND	Mono 7
## TCATTTGCACCCTATC.1_4	YUKEND	DC 1
## TCATTTGGTACCGCTG.1_4	YUKEND	NK 2
## TCATTTGTGCGAGCAA.1_4	YUKEND	Mono 8
## TCCACACAGCCCAGCT.1_4	YUKEND	NK 1
## TCCACACCATAACCTG.1_4	YUKEND	CD4T 7
## TCCACACCATGTCTCC.1_4	YUKEND	CD8T 2
## TCCACACTCTTTAGTC.1_4	YUKEND	Mono 4
## TCCCGATAGCGATAGC.1_4	YUKEND	NK 2
## TCCCGATAGTTCCACA.1_4	YUKEND	TNKT 1
## TCCCGATCACATCCGG.1_4	YUKEND	NK 1
## TCCCGATCAGCTCCGA.1_4	YUKEND	CD4T 3
## TCCCGATTCCCACTTG.1_4	YUKEND	TNKT 2
## TCGAGGCCACCTCGTT.1_4	YUKEND	CD4T 4
## TCGAGGCTCATGTGGT.1_4	YUKEND	Mono 8
## TCGAGGCTCTCACATT.1_4	YUKEND	Mono 2
## TCGCGAGAGAATGTGT.1_4	YUKEND	TNKT 2
## TCGCGAGAGATATGCA.1_4	YUKEND	NK 1
## TCGCGAGAGCAGACTG.1_4	YUKEND	CD4T 7
## TCGCGAGAGGATCGCA.1_4	YUKEND	Mono 1
## TCGCGAGCAACTGCTA.1_4	YUKEND	CD4T 1
## TCGCGAGCAGGCAGTA.1_4	YUKEND	Mono 8
## TCGCGAGTCTGCGACG.1_4	YUKEND	NK 3
## TCGCGTTAGTCGTA.1_4	YUKEND	B 2
## TCGCGTTAGTCTCAAC.1_4	YUKEND	CD4T 2
## TCGCGTTTCCTGTACC.1_4	YUKEND	NK 2
## TCGGGACAGGGTTTCT.1_4	YUKEND	CD4T 6
## TCGGGACCAGTTCATG.1_4	YUKEND	CD4T 3
## TCGGTAAGTGATCGG.1_4	YUKEND	Mono 8
## TCGGTAACAATGACCT.1_4	YUKEND	CD4T 7
## TCGGTAAGTGCAGACA.1_4	YUKEND	Mono 4
## TCGGTAAGTTATGCGT.1_4	YUKEND	Mono 8
## TCGTACCAGTAGCCGA.1_4	YUKEND	Mono 9
## TCGTACCAGTGGACGT.1_4	YUKEND	CD4T 2
## TCGTACCGTCGTTGTA.1_4	YUKEND	Mono 2
## TCGTACCGTCTCACCT.1_4	YUKEND	Mono 8
## TCGTACCTCACTTACT.1_4	YUKEND	CD4T 7
## TCGTACCTCATTGCC.1_4	YUKEND	CD4T 1
## TCGTACCTCCAAGCCG.1_4	YUKEND	CD4T 3
## TCGTACCTCTCTGAGA.1_4	YUKEND	Mono 1
## TCGTAGAAGGAGTCTG.1_4	YUKEND	CD4T 2
## TCGTAGACATCACCT.1_4	YUKEND	CD4T 4
## TCGTAGAGTGCTCTTC.1_4	YUKEND	CD8T 2
## TCGTAGAGTTAAGAAC.1_4	YUKEND	NK 3
## TCGTAGATCGTTGCCT.1_4	YUKEND	CD4T 3
## TCTATTGAGGCGACAT.1_4	YUKEND	CD8T 2
## TCTATTGCATACGCCG.1_4	YUKEND	Mono 4

## TCTATTGTCAATCACG.1_4	YUKEND	Mono 5
## TCTATTGTCACTTCAT.1_4	YUKEND	Mono 3
## TCTATTGTCAGCTTAG.1_4	YUKEND	CD4T 3
## TCTATTGTCATGTCCC.1_4	YUKEND	CD4T 1
## TCTATTGTCGAGAGCA.1_4	YUKEND	CD8T 1
## TCTCATAAGGATGGTC.1_4	YUKEND	TNKT 2
## TCTCATAAGTGCATG.1_4	YUKEND	Mono 4
## TCTCATAGTCGCATCG.1_4	YUKEND	TNKT 2
## TCTCTAAAGACACGAC.1_4	YUKEND	Mono 4
## TCTCTAAAGAGGTTAT.1_4	YUKEND	TNKT 1
## TCTCTAAGTGGTACAG.1_4	YUKEND	Mono 8
## TCTCTAATCCCACTTG.1_4	YUKEND	Mono 5
## TCTGAGAAGTTATCGC.1_4	YUKEND	CD4T 6
## TCTGAGACATAGTAAG.1_4	YUKEND	CD4T 1
## TCTGAGAGTACCTACA.1_4	YUKEND	Mono 8
## TCTGAGAGTCATATGC.1_4	YUKEND	Mono 2
## TCTGAGATCAGTGTG.1_4	YUKEND	TNKT 1
## TCTGGAAAGAGGTTAT.1_4	YUKEND	Mono 7
## TCTGGAAAGCGCCTTG.1_4	YUKEND	NK 2
## TCTGGAACATTAGGCT.1_4	YUKEND	Mono 7
## TCTGGAACATTTGCCC.1_4	YUKEND	Mono 3
## TCTGGAAGTTAAGACA.1_4	YUKEND	CD4T 2
## TCTGGAATCTCTGAGA.1_4	YUKEND	NK 1
## TCTTCGGGAGACTAAGT.1_4	YUKEND	Mono 7
## TCTTCGGCACCATCCT.1_4	YUKEND	CD4T 1
## TCTTCGGTCACCCGAG.1_4	YUKEND	NK 1
## TCTTCGGTCCACGTGG.1_4	YUKEND	NK 2
## TCTTCGGTCGCAGGCT.1_4	YUKEND	CD4T 2
## TCTTCGGTCGCCAGCA.1_4	YUKEND	Mono 4
## TCTTCGGTCGCGCAA.1_4	YUKEND	NK 3
## TCTTTCCCAAGAAAGG.1_4	YUKEND	Mono 1
## TCTTTCCGTGTCAATC.1_4	YUKEND	TNKT 1
## TCTTTCCCTCCGCAGTG.1_4	YUKEND	NK 1
## TGAAAGAAGACTTGAA.1_4	YUKEND	CD4T 5
## TGAAAGAAGTTCGCGC.1_4	YUKEND	CD4T 2
## TGAAAGACACTACAGT.1_4	YUKEND	TNKT 1
## TGAAAGACACTCGACG.1_4	YUKEND	Mono 2
## TGAAAGACATGACGGA.1_4	YUKEND	Mono 1
## TGAAAGAGTAGCCTAT.1_4	YUKEND	Mono 1
## TGAAAGAGTGTGGTTT.1_4	YUKEND	NK 1
## TGAAAGATCTTCTGGC.1_4	YUKEND	Mono 7
## TGACAACAGATCCTGT.1_4	YUKEND	CD4T 7
## TGACAACCAAGCTGGA.1_4	YUKEND	B 2
## TGACAACGTACAAGTA.1_4	YUKEND	NK 2
## TGACAACGTCCAATA.1_4	YUKEND	NK 3
## TGACAACGTCCAAGTT.1_4	YUKEND	B 2
## TGACGGCCAACTGGCC.1_4	YUKEND	Mono 8
## TGACGGCGTCCGAATT.1_4	YUKEND	Mono 1
## TGACGGCGTGTGCCTG.1_4	YUKEND	CD4T 1
## TGACGGCTCGACAGCC.1_4	YUKEND	Mono 4
## TGACGGCTCTGTTTG.1_4	YUKEND	Mono 1
## TGA TAGAGTAAGTAC.1_4	YUKEND	CD4T 6
## TGA TAGCACCCTAG.1_4	YUKEND	CD4T 6
## TGA TAGGTCCGTAA.1_4	YUKEND	NK 4

## TGA	CTAGTCCCTCAGT.1_4	YUKEND	CD4T 4
## TGA	CTAGTCCTCAATT.1_4	YUKEND	Mono 4
## TGA	CTTTAGATTACCC.1_4	YUKEND	CD4T 4
## TGA	CTTTAGGTGCTTT.1_4	YUKEND	CD4T 1
## TGA	CTTTAGTTAACGA.1_4	YUKEND	CD8T 1
## TGA	CTTTCAAGGACTG.1_4	YUKEND	TNKT 2
## TGA	CTTTCAATCTGCA.1_4	YUKEND	TNKT 1
## TGA	CTTTCACGCCAGT.1_4	YUKEND	Mono 4
## TGA	CTTTGTCAGCTAT.1_4	YUKEND	CD4T 3
## TGA	CTTTGTTGTACAC.1_4	YUKEND	NK 2
## TGA	CTTTTCCTTAATC.1_4	YUKEND	CD4T 5
## TGA	GAGGCATGGGAAC.1_4	YUKEND	TNKT 1
## TGA	GAGGGTCTCTCTG.1_4	YUKEND	CD4T 1
## TGA	GAGGGTGCCTGGT.1_4	YUKEND	CD4T 2
## TGA	GCATAGCTAACAA.1_4	YUKEND	CD4T 4
## TGA	GCAATTCTGGAGCC.1_4	YUKEND	CD4T 3
## TGA	GCCGCACTTAACG.1_4	YUKEND	CD4T 6
## TGA	GCCGGTAATCGTC.1_4	YUKEND	NK 2
## TGA	GCCGGTGTGACCC.1_4	YUKEND	NK 3
## TGA	GCCGTGCGAAACG.1_4	YUKEND	DC 1
## TGA	GCCGTCTGGTGTA.1_4	YUKEND	Mono 8
## TGA	GGAAGCTGTTCA.1_4	YUKEND	CD4T 7
## TGA	GGAAGGTGTTG.1_4	YUKEND	CD4T 2
## TGA	GGACAAAATTGCC.1_4	YUKEND	CD4T 1
## TGA	GGGAGTTTACTCT.1_4	YUKEND	Mono 8
## TGA	TTTCGTAGGAGTC.1_4	YUKEND	Mono 2
## TGA	CACCTCAATCAGAA.1_4	YUKEND	TNKT 2
## TGA	CACCTGTTTAGCTG.1_4	YUKEND	Mono 4
## TGA	CCAAAAGAGGTACC.1_4	YUKEND	Mono 7
## TGA	CCAAAAGCCCAACC.1_4	YUKEND	TNKT 2
## TGA	CCAAAAGGCAAAGA.1_4	YUKEND	Mono 9
## TGA	CCAAAAGGGCTCTC.1_4	YUKEND	NK 3
## TGA	CCAAAGTCTCTCTG.1_4	YUKEND	Mono 1
## TGA	CCAAATCATGCTCC.1_4	YUKEND	CD4T 1
## TGA	CCCATAGCATCATC.1_4	YUKEND	B 1
## TGA	CCCATAGGGAACA.1_4	YUKEND	CD4T 2
## TGA	CCCATCAATCGAAA.1_4	YUKEND	NK 1
## TGA	CCCATCACGGCGTT.1_4	YUKEND	Mono 8
## TGA	CCCATGTAGTGAAT.1_4	YUKEND	Mono 1
## TGA	CCCATGTTGCCTCT.1_4	YUKEND	Mono 4
## TGA	CCCTAAGAATTGTG.1_4	YUKEND	TNKT 2
## TGA	CCCTAAGCCAACAG.1_4	YUKEND	Mono 8
## TGA	CCCTACACCCTATC.1_4	YUKEND	Mono 8
## TGA	CCCTACACGGCGTT.1_4	YUKEND	Mono 5
## TGA	CCCTAGTTCACGGC.1_4	YUKEND	Mono 2
## TGA	CCCTATCCGAAGAG.1_4	YUKEND	B 2
## TGA	CGCAGAGCGATATA.1_4	YUKEND	Mono 5
## TGA	CGGGTAGGTCGGAT.1_4	YUKEND	TNKT 1
## TGA	CGGGTCATAGAAAC.1_4	YUKEND	Mono 3
## TGA	CGGGTCCGCATCT.1_4	YUKEND	Mono 4
## TGA	CGTGAGTTGAGTA.1_4	YUKEND	B 2
## TGA	CGTGGTGGAATGCT.1_4	YUKEND	CD4T 6
## TGA	CGTGGTGCGCCCTTA.1_4	YUKEND	CD4T 7
## TGA	CGTGGTGCGGCGCAT.1_4	YUKEND	Mono 7

## TGCGTGGTCTAACTCT.1_4	YUKEND	Mono 7
## TGCTACCAGGGAACA.1_4	YUKEND	CD4T 1
## TGCTACCGTATATCCG.1_4	YUKEND	Mono 1
## TGCTACCGTTTAAGCC.1_4	YUKEND	CD4T 7
## TGCTACCTCCGGTGT.1_4	YUKEND	NK 1
## TGCTACCTCCTATGTT.1_4	YUKEND	TNKT 1
## TGCTACCTCTAACTTC.1_4	YUKEND	CD4T 4
## TGCTGCTAGTCGTACT.1_4	YUKEND	Mono 9
## TGCTGCTCAAAGTGCG.1_4	YUKEND	CD8T 2
## TGGACGCAGAAGAAGC.1_4	YUKEND	DC 1
## TGGACGCAGAGACTTA.1_4	YUKEND	NK 2
## TGGACGCAGGCGTACA.1_4	YUKEND	Mono 4
## TGGACGCCACGGCTAC.1_4	YUKEND	CD8T 1
## TGGACGCTCTAGCACA.1_4	YUKEND	NK 2
## TGGCCAGAGACTCGGA.1_4	YUKEND	TNKT 1
## TGGCCAGAGCCACCTG.1_4	YUKEND	CD4T 1
## TGGCCAGAGCTGTTCA.1_4	YUKEND	CD4T 4
## TGGCCAGTCCTTGACC.1_4	YUKEND	CD4T 1
## TGGCGCAGTAAATACG.1_4	YUKEND	TNKT 2
## TGGCGCAGTCTAGTCA.1_4	YUKEND	CD4T 6
## TGGCGCATCCAATGGT.1_4	YUKEND	Mono 8
## TGGCGCATCCCTCTTT.1_4	YUKEND	Mono 3
## TGGCTGGAGACACTAA.1_4	YUKEND	CD8T 1
## TGGCTGGCAAGTAGTA.1_4	YUKEND	Mono 5
## TGGCTGGTCTCTGAGA.1_4	YUKEND	Mono 4
## TGGCTGGTCTGCCCTA.1_4	YUKEND	CD8T 1
## TGGGAAGAGACTAAGT.1_4	YUKEND	Mono 4
## TGGGAAGTCAAACGGG.1_4	YUKEND	Mono 9
## TGGGCGTGTCAGTGGA.1_4	YUKEND	Mono 7
## TGGGCGTTCATAACCG.1_4	YUKEND	CD8T 2
## TGGTTAGAGAGTGACC.1_4	YUKEND	CD4T 1
## TGGTTAGGTCAACTGT.1_4	YUKEND	NK 3
## TGGTTAGGTCTTGCGG.1_4	YUKEND	Mono 5
## TGGTTAGTCCACGAAT.1_4	YUKEND	Mono 4
## TGGTTAGTCCTACAGA.1_4	YUKEND	TNKT 2
## TGGTTCCAGAGTCGGT.1_4	YUKEND	CD4T 6
## TGGTTCCAGTTCACA.1_4	YUKEND	NK 3
## TGGTTCCGTAAACGCG.1_4	YUKEND	Mono 4
## TGTATTCAAGATGAGAG.1_4	YUKEND	NK 1
## TGTATTCAAGTTCGATC.1_4	YUKEND	CD4T 7
## TGTATTCCAGCCTGTG.1_4	YUKEND	Mono 3
## TGTATTCTGACTTGAC.1_4	YUKEND	CD4T 3
## TGTATTCTGATGACGA.1_4	YUKEND	CD4T 7
## TGTATTCTGTCGGATCC.1_4	YUKEND	CD8T 2
## TGTATTCTGTTCCACC.1_4	YUKEND	CD4T 7
## TGTATTCTCACCAGGC.1_4	YUKEND	Mono 8
## TGTATTCTCCGAATGT.1_4	YUKEND	TNKT 2
## TGTATTCTCGGATGTT.1_4	YUKEND	NK 2
## TGTATTCTCTATCGCC.1_4	YUKEND	NK 3
## TGTCCCACAGGGCATA.1_4	YUKEND	NK 3
## TGTCCCATCATCATTC.1_4	YUKEND	NK 1
## TGTGGTAAGCTCAACT.1_4	YUKEND	TNKT 1
## TGTGGTACATCCGTGG.1_4	YUKEND	CD4T 1
## TGTGGTACATCGATTG.1_4	YUKEND	Mono 3

## TGTGGTAGTAGAAGGA.1_4	YUKEND	CD4T 1
## TGTGTTTAGCTTATCG.1_4	YUKEND	CD4T 2
## TGTGTTTAGTACGCGA.1_4	YUKEND	CD4T 4
## TGTGTTTCAAGCTGTT.1_4	YUKEND	Mono 8
## TGTGTTTCACGAAGCA.1_4	YUKEND	TNKT 1
## TGTGTTTGTCCAAGTT.1_4	YUKEND	Mono 8
## TGTGTTTGTCTCCATC.1_4	YUKEND	B 2
## TGTGTTTGTGCCTGGT.1_4	YUKEND	NK 2
## TGTTCCGAGCAATCTC.1_4	YUKEND	CD4T 3
## TGTTCCGAGGCTATCT.1_4	YUKEND	NK 2
## TGTTCCGCACGAGAGT.1_4	YUKEND	Mono 2
## TGTTCCGCATCTCCCA.1_4	YUKEND	CD4T 1
## TGTTCCGGTATGGTTC.1_4	YUKEND	NK 3
## TGTTCCGGTTTGGCGC.1_4	YUKEND	CD4T 2
## TGTTCCGTCAACACTG.1_4	YUKEND	CD8T 1
## TGTTCCGTCAAGCCCA.1_4	YUKEND	CD4T 1
## TGTTCCGTCCAAACAC.1_4	YUKEND	CD4T 4
## TTAAGTCAGGGAGTAA.1_4	YUKEND	Mono 3
## TTAGGACAGTGTTAGA.1_4	YUKEND	CD8T 1
## TTAGGACCATACTCTT.1_4	YUKEND	Mono 1
## TTAGGACGTGAACCTT.1_4	YUKEND	Mono 2
## TTAGGACTCTGCGACG.1_4	YUKEND	NK 2
## TTAGGCACAGATGAGC.1_4	YUKEND	Mono 5
## TTAGGCACAGATGGGT.1_4	YUKEND	NK 3
## TTAGGCAGTCTAAAGA.1_4	YUKEND	Mono 4
## TTAGGCATCATTGCGA.1_4	YUKEND	CD4T 7
## TTAGGCATCCGCATCT.1_4	YUKEND	Mono 9
## TTAGGCATCCTGTAGA.1_4	YUKEND	Mono 1
## TTAGGCATCTAAGCCA.1_4	YUKEND	TNKT 2
## TTAGTTCAGAAAGCAC.1_4	YUKEND	NK 1
## TTAGTTCCTCATGCATG.1_4	YUKEND	TNKT 1
## TTAGTTCCTCTAGAGC.1_4	YUKEND	B 2
## TTATGCTAGCTACCGC.1_4	YUKEND	TNKT 1
## TTATGCTCAGATGAGC.1_4	YUKEND	NK 1
## TTATGCTTCCCTAACC.1_4	YUKEND	CD4T 4
## TTTCCAGCAATGACCT.1_4	YUKEND	Mono 4
## TTTCCAGCATTTGGTAC.1_4	YUKEND	CD4T 6
## TTTCCAGGTACGCACC.1_4	YUKEND	NK 3
## TTTCCAGGTGTGACGA.1_4	YUKEND	CD4T 6
## TTCGAAGCAGGGTTAG.1_4	YUKEND	DC 1
## TTCGAAGTCCAAGTAC.1_4	YUKEND	CD4T 6
## TTCGAAGTCCTACAGA.1_4	YUKEND	CD4T 2
## TTCGGTCCAGGATCGA.1_4	YUKEND	CD4T 6
## TTCGGTTCGTATATCCG.1_4	YUKEND	Mono 3
## TTCGGTCTCCAGTATG.1_4	YUKEND	TNKT 2
## TTCGGTCTCGTAGGTT.1_4	YUKEND	CD4T 6
## TTCTACAAGCCACGTC.1_4	YUKEND	CD4T 2
## TTCTACAAGCGTTCCG.1_4	YUKEND	Mono 3
## TTCTACAAGGTAAACT.1_4	YUKEND	TNKT 1
## TTCTACACATCCAACA.1_4	YUKEND	Mono 9
## TTCTACAGTAAGAGGA.1_4	YUKEND	CD4T 6
## TTCTACAGTCGACTGC.1_4	YUKEND	Mono 3
## TTCTACATCACCACCT.1_4	YUKEND	Mono 5
## TTCTACATCAGTTCGA.1_4	YUKEND	CD4T 7

## TTCTACATCCGCAAGC.1_4	YUKEND	NK 3
## TTCTCAACACTAGTAC.1_4	YUKEND	Mono 4
## TTCTCAACATCCTTGC.1_4	YUKEND	CD4T 2
## TTCTCAAGTCCGCTGA.1_4	YUKEND	CD4T 4
## TTCTCAAGTCGCTTCT.1_4	YUKEND	TNKT 1
## TTCTCAATCGTCCGTT.1_4	YUKEND	Mono 4
## TTCTCCTAGGGATCTG.1_4	YUKEND	Mono 8
## TTCTCCTGTCTTGATG.1_4	YUKEND	Mono 7
## TTCTCCTGTTACGCGC.1_4	YUKEND	CD4T 4
## TTCTCCTTCCGGGTGT.1_4	YUKEND	CD8T 2
## TTCTCCTTCGTTGACA.1_4	YUKEND	NK 1
## TTCTTAGCAAGCGTAG.1_4	YUKEND	Mono 8
## TTGAACGAGGTGCACA.1_4	YUKEND	CD4T 3
## TTGAACGCACTCGACG.1_4	YUKEND	CD4T 2
## TTGAACGGTGGGTCAA.1_4	YUKEND	NK 1
## TTGAACGTCGATGAGG.1_4	YUKEND	CD4T 7
## TTGAACGTCTAACTGG.1_4	YUKEND	CD8T 1
## TTGACTTAGAGTAAGG.1_4	YUKEND	B 2
## TTGACTTAGGTAGCTG.1_4	YUKEND	CD8T 2
## TTGACTTAGTCCGTAT.1_4	YUKEND	Mono 5
## TTGACTTCAGATCGGA.1_4	YUKEND	Mono 8
## TTGACTTCATGAACCT.1_4	YUKEND	Mono 3
## TTGACTTTCACAGGCC.1_4	YUKEND	B 1
## TTGACTTTCTTAACCT.1_4	YUKEND	Mono 2
## TTGCCGTCATGCCAT.1_4	YUKEND	B 3
## TTGCCGTCAGGGATTG.1_4	YUKEND	NK 3
## TTGCCGTCATGGTCTA.1_4	YUKEND	B 2
## TTGCCGTGTAAGGGCT.1_4	YUKEND	TNKT 2
## TTGCCGTGTGCTTCTC.1_4	YUKEND	CD4T 7
## TTGCCGTTCTTGACC.1_4	YUKEND	NK 2
## TTGCCGTTCTGGGCCA.1_4	YUKEND	B 2
## TTGCCGTCAGAAGGTTT.1_4	YUKEND	TNKT 1
## TTGCCGTCGTACACGC.1_4	YUKEND	CD4T 4
## TTGCCGTCTCGTCCGTT.1_4	YUKEND	Mono 7
## TTGGAACAGGAGCGAG.1_4	YUKEND	CD4T 2
## TTGGAACCAGCGTCCA.1_4	YUKEND	TNKT 2
## TTGGAACTCCAGAGGA.1_4	YUKEND	CD4T 2
## TTGGCAACACGAAAGC.1_4	YUKEND	Mono 4
## TTGGCAACATGGGAAC.1_4	YUKEND	CD4T 6
## TTGGCAAGTCAACTGT.1_4	YUKEND	TNKT 2
## TTGGCAAGTGGGTCAA.1_4	YUKEND	Mono 8
## TTGTAGGCACACTGCG.1_4	YUKEND	Mono 9
## TTGTAGGCATACTCTT.1_4	YUKEND	Mono 1
## TTGTAGGGTAGAGTGC.1_4	YUKEND	Mono 1
## TTGTAGGTCACCGTAA.1_4	YUKEND	Mono 4
## TTGTAGGTCCCAAGAT.1_4	YUKEND	TNKT 2
## TTGTAGGTCCGCAGTG.1_4	YUKEND	NK 1
## TTTACTGAGTATCTCG.1_4	YUKEND	CD4T 2
## TTTATGCAGGGAAACA.1_4	YUKEND	CD4T 4
## TTTATGCAGTACGTAA.1_4	YUKEND	Mono 8
## TTTATGCTCAACGAAA.1_4	YUKEND	Mono 1
## TTTATGCTCACTATTTC.1_4	YUKEND	Mono 7
## TTTATGCTCGGGAGTA.1_4	YUKEND	B 2
## TTTCTCAGTGAATTG.1_4	YUKEND	Mono 8

## TTTCTCAGTGGTAGC.1_4	YUKEND	B 2
## TTTCTCTCATTCACT.1_4	YUKEND	TNKT 1
## TTTGCGCCAAAGCAAT.1_4	YUKEND	NK 1
## TTTGCGCGTAACGCGA.1_4	YUKEND	NK 2
## TTTGCGCGTTACCAGT.1_4	YUKEND	CD4T 2
## TTTGGTTAGACTAGAT.1_4	YUKEND	TNKT 2
## TTTGGTTAGTCATCCA.1_4	YUKEND	Mono 7
## TTTGGTTCACCCAGTG.1_4	YUKEND	CD4T 4
## TTTGGTTCAGATCTGT.1_4	YUKEND	TNKT 2
## TTTGGTTCATACTACG.1_4	YUKEND	Mono 5
## TTTGGTTGTGCCTGGT.1_4	YUKEND	CD4T 1
## TTTGTCAAGTTAGGTA.1_4	YUKEND	Mono 9
## TTTGTCACACACTGCG.1_4	YUKEND	CD4T 6
## TTTGTCAGTTTGGGCC.1_4	YUKEND	NK 3
## AAACCTGTCATCATTC.1_5	YUTHEA	Mono 4
## AAAGATGGTGTCAATC.1_5	YUTHEA	NK 3
## AAAGCAAAGACGCAAC.1_5	YUTHEA	NK 3
## AAAGCAATCAACACTG.1_5	YUTHEA	Mono 9
## AAAGCAATCGCTTAGA.1_5	YUTHEA	Mono 4
## AAAGTAGGTTAGAACA.1_5	YUTHEA	CD4T 2
## AAAGTAGTCACTCTTA.1_5	YUTHEA	Mono 3
## AAATGCCAGTCCGTAT.1_5	YUTHEA	Mono 4
## AAATGCCTCACATAGC.1_5	YUTHEA	NK 2
## AACACGTGTGACGCCT.1_5	YUTHEA	Mono 9
## AACCATGAGATACACA.1_5	YUTHEA	CD4T 2
## AACCATGCAGCCTTGG.1_5	YUTHEA	Mono 4
## AACCATGGTGGCCCTA.1_5	YUTHEA	CD4T 1
## AACCATGGTTATGCGT.1_5	YUTHEA	Mono 4
## AACCATGTCTAACTCT.1_5	YUTHEA	Mono 4
## AACCATGTCTCGAGTA.1_5	YUTHEA	Mono 5
## AACCGCGAGGGTGTGG.1_5	YUTHEA	Mono 9
## AACCGCGCATGGGAAC.1_5	YUTHEA	NK 3
## AACCGCGTCACTCCTG.1_5	YUTHEA	DC 1
## AACCGCGTCCAAATGC.1_5	YUTHEA	B 1
## AACTCAGCAGATAATG.1_5	YUTHEA	B 1
## AACTCAGGTGTCTGAT.1_5	YUTHEA	CD4T 6
## AACTCAGTCCAAACTG.1_5	YUTHEA	Mono 9
## AACTCAGTCTGCAAGT.1_5	YUTHEA	NK 3
## AACTGGTAGGGTCTCC.1_5	YUTHEA	Mono 8
## AACTGGTGTCCGAACC.1_5	YUTHEA	Mono 4
## AACTTTCCACACATGT.1_5	YUTHEA	Mono 4
## AACTTTCTCCGCGCAA.1_5	YUTHEA	CD4T 4
## AAGACCTAGAGTGACC.1_5	YUTHEA	Mono 4
## AAGACCTTCAATAAGG.1_5	YUTHEA	Mono 1
## AAGGAGCTCTCTTATG.1_5	YUTHEA	Mono 4
## AAGGCAGCAAGCGTAG.1_5	YUTHEA	Mono 4
## AAGGCAGCACTGTGTA.1_5	YUTHEA	Mono 4
## AAGGTTTCAGCCCTAAT.1_5	YUTHEA	Mono 1
## AAGTCTGGTCCAAGTT.1_5	YUTHEA	NK 3
## AAGTCTGGTTTGACAC.1_5	YUTHEA	Mono 9
## AAGTCTGTCCGCAAGC.1_5	YUTHEA	B 1
## AATCCAGGTTGTGGCC.1_5	YUTHEA	B 3
## AATCCAGTCGGTGTTA.1_5	YUTHEA	NK 1
## AATCGGTTCAACACGT.1_5	YUTHEA	Mono 8

## AATCGGTTTCGTATCAG.1_5	YUTHEA	CD4T 7
## ACACCAATCTCTGCTG.1_5	YUTHEA	B 2
## ACACCCTAGAGGTAGA.1_5	YUTHEA	TNKT 2
## ACACCCTCATGTAGTC.1_5	YUTHEA	Mono 8
## ACACTGAAGTTGTAGA.1_5	YUTHEA	Mono 4
## ACACTGACAGTCACTA.1_5	YUTHEA	NK 3
## ACACTGACATGCTAGT.1_5	YUTHEA	B 1
## ACACTGAGTTTGACTG.1_5	YUTHEA	Mono 9
## ACAGCCGCAGATGAGC.1_5	YUTHEA	Mono 1
## ACAGCCGGTGCTAGCC.1_5	YUTHEA	CD4T 7
## ACAGCTAAGGAGTACC.1_5	YUTHEA	NK 3
## ACAGCTACATTTCACT.1_5	YUTHEA	CD4T 6
## ACATACGCATCAGTCA.1_5	YUTHEA	Mono 8
## ACATACGGTGCGCTTG.1_5	YUTHEA	CD4T 7
## ACATCAGAGAAGGCCT.1_5	YUTHEA	Mono 4
## ACATGGTAGTCGTTTG.1_5	YUTHEA	Mono 4
## ACATGGTCAATGGATA.1_5	YUTHEA	Mono 4
## ACATGGTCATCACAAC.1_5	YUTHEA	CD4T 5
## ACCAGTAGTTATTCTC.1_5	YUTHEA	CD4T 7
## ACCCACTTCCAAACAC.1_5	YUTHEA	TNKT 2
## ACCCACTTCGCCTGAG.1_5	YUTHEA	Mono 9
## ACCGTAATCCGCATAA.1_5	YUTHEA	NK 3
## ACCTTTACACGCCAGT.1_5	YUTHEA	Mono 4
## ACCTTTATCTGTCTAT.1_5	YUTHEA	B 2
## ACGAGCCAGGACCACA.1_5	YUTHEA	TNKT 1
## ACGAGCCTCATCATTC.1_5	YUTHEA	B 1
## ACGAGCCTCTGGCGAC.1_5	YUTHEA	Mono 4
## ACGAGGAAGCGTTGCC.1_5	YUTHEA	NK 3
## ACGATACAGTGGGATC.1_5	YUTHEA	CD4T 6
## ACGATACCAGTCGATT.1_5	YUTHEA	Mono 8
## ACGATGTCAATAAGCA.1_5	YUTHEA	Mono 4
## ACGATGTCAGGTCTCG.1_5	YUTHEA	Mono 4
## ACGATGTCATGTTGAC.1_5	YUTHEA	Mono 4
## ACGATGTTCTTGACC.1_5	YUTHEA	CD4T 5
## ACGCAGCCAAAGTGCG.1_5	YUTHEA	CD4T 6
## ACGCAGCGTGGGTATG.1_5	YUTHEA	CD4T 5
## ACGCAGCTCATGTCTT.1_5	YUTHEA	B 1
## ACGCCAGCACTGTGTA.1_5	YUTHEA	NK 2
## ACGCCAGCAGCTGCTG.1_5	YUTHEA	Mono 1
## ACGCCGAGTCAACTGT.1_5	YUTHEA	CD8T 1
## ACGGAGACATGGTCAT.1_5	YUTHEA	NK 3
## ACGGCCAGTGTTGGGA.1_5	YUTHEA	CD4T 6
## ACGGCCATCTCACATT.1_5	YUTHEA	Mono 4
## ACGGGCTAGATCCGAG.1_5	YUTHEA	CD4T 1
## ACGGGCTAGGCTCAGA.1_5	YUTHEA	Mono 4
## ACGGGCTCATCGACGC.1_5	YUTHEA	Mono 4
## ACGGGCTGTAGTAGTA.1_5	YUTHEA	NK 2
## ACGGGCTGTATGGTTC.1_5	YUTHEA	B 2
## ACGGGTCCAGTTCCCT.1_5	YUTHEA	Mono 4
## ACGGGTCGTCCGAATT.1_5	YUTHEA	B 1
## ACGTCAATCAGAGGTG.1_5	YUTHEA	CD4T 4
## ACTATCTGTCATTAGC.1_5	YUTHEA	NK 3
## ACTGAGTAGCCCAACC.1_5	YUTHEA	B 1
## ACTGAGTCTGCGTAA.1_5	YUTHEA	Mono 4

## ACTGTCCAGAGTAATC.1_5	YUTHEA	CD4T 7
## ACTGTCCCAGGGCATA.1_5	YUTHEA	B 1
## ACTGTCCGTGTTTCGAT.1_5	YUTHEA	Mono 4
## ACTTACTAGTGCCAGA.1_5	YUTHEA	CD4T 2
## ACTTACTTCGGTGTCG.1_5	YUTHEA	Mono 4
## ACTTACTTCTCCAACC.1_5	YUTHEA	CD4T 6
## ACTTGTTAGTACACCT.1_5	YUTHEA	Mono 9
## ACTTTCACAGACTCGC.1_5	YUTHEA	Mono 4
## ACTTTCATCTTCGAGA.1_5	YUTHEA	CD4T 7
## AGAATAGAGATCGATA.1_5	YUTHEA	NK 3
## AGAATAGCATGAAGTA.1_5	YUTHEA	Mono 8
## AGAATAGGTCACACGC.1_5	YUTHEA	B 2
## AGACGTTCAAACCCAT.1_5	YUTHEA	NK 3
## AGAGCGAAGTCGCCGT.1_5	YUTHEA	NK 3
## AGAGCGACACGAAAGC.1_5	YUTHEA	B 2
## AGAGCGAGTTGCCTCT.1_5	YUTHEA	Mono 4
## AGATCTGGTAGGAGTC.1_5	YUTHEA	Mono 4
## AGATTGCCAGTCTTCC.1_5	YUTHEA	Mono 9
## AGATTGCGTCGCGAAA.1_5	YUTHEA	CD4T 7
## AGATTGCGTCTGATCA.1_5	YUTHEA	CD4T 7
## AGCAGCCAGAGTACAT.1_5	YUTHEA	Mono 9
## AGCAGCCCAGCGATCC.1_5	YUTHEA	CD4T 7
## AGCAGCCCATTAGGCT.1_5	YUTHEA	B 2
## AGCAGCCTCGGAGGTA.1_5	YUTHEA	NK 3
## AGCATACAGTCCAGGA.1_5	YUTHEA	NK 3
## AGCCTAAAGACCGGAT.1_5	YUTHEA	CD8T 3
## AGCCTAACATGTAAGA.1_5	YUTHEA	Mono 4
## AGCCTAATCACCACCT.1_5	YUTHEA	Mono 1
## AGCCTAATCGTTGACA.1_5	YUTHEA	Mono 8
## AGCGTATAGCCCAACC.1_5	YUTHEA	Mono 4
## AGCGTATTCTTCTGGC.1_5	YUTHEA	Mono 5
## AGCGTCGCAAGAGTCG.1_5	YUTHEA	CD4T 1
## AGCTCCTCAAATTGCC.1_5	YUTHEA	NK 2
## AGCTTGAAGACTAGGC.1_5	YUTHEA	Mono 4
## AGCTTGACACACAGAG.1_5	YUTHEA	NK 3
## AGCTTGACAGCTGTTA.1_5	YUTHEA	Mono 4
## AGGCCACCACACAGAG.1_5	YUTHEA	NK 2
## AGGCCACCACCGGAAA.1_5	YUTHEA	Mono 4
## AGGCCACGTGCGGTAA.1_5	YUTHEA	Mono 4
## AGGCCACTCCAGGGCT.1_5	YUTHEA	CD4T 7
## AGGCCGTGTGGGTCAA.1_5	YUTHEA	B 2
## AGGGAGTAGTCCCACG.1_5	YUTHEA	TNKT 1
## AGGGAGTCATTACGAC.1_5	YUTHEA	Mono 4
## AGGGAGTGTGGGTCAA.1_5	YUTHEA	Mono 4
## AGGGAGTTCTTGCCGT.1_5	YUTHEA	B 1
## AGGGAGTTCTTTACGT.1_5	YUTHEA	Mono 2
## AGGGATGAGGCTCAGA.1_5	YUTHEA	Mono 5
## AGGGTGAGTTGCTCCT.1_5	YUTHEA	CD4T 6
## AGGGTGAGTTGTGGAG.1_5	YUTHEA	Mono 4
## AGGTCATGTTAAGACA.1_5	YUTHEA	Mono 4
## AGGTCCGAGCACCGTC.1_5	YUTHEA	CD4T 1
## AGGTCCGCAATGGAGC.1_5	YUTHEA	Mono 1
## AGGTCCGTCCAAATGC.1_5	YUTHEA	Mono 9
## AGGTCCGTCTAGGTT.1_5	YUTHEA	NK 1

##	AGGTCCGTCTTTCCTC.1_5	YUTHEA	Mono	8
##	AGTAGTCTCGCCTGAG.1_5	YUTHEA	CD4T	7
##	AGTCTTTCATGAGCGA.1_5	YUTHEA	CD4T	4
##	AGTCTTTGTCCGCTGA.1_5	YUTHEA	Mono	1
##	AGTGAGGAGCAAATCA.1_5	YUTHEA	Mono	8
##	AGTGAGGCACGTCAGC.1_5	YUTHEA	TNKT	1
##	AGTGAGGTCAGGCGAA.1_5	YUTHEA	Mono	4
##	AGTGAGGTCGCCTGAG.1_5	YUTHEA	Mono	4
##	AGTGGGACATCCCATC.1_5	YUTHEA	TNKT	1
##	AGTGGGAGTAGGCATG.1_5	YUTHEA	NK	3
##	AGTGGGATCCTATGTT.1_5	YUTHEA	Mono	8
##	AGTGTCAAGACTACAA.1_5	YUTHEA	Mono	4
##	AGTGTACAGACGCCT.1_5	YUTHEA	CD8T	3
##	AGTGTCAAGTACCAGT.1_5	YUTHEA	CD4T	2
##	AGTGTCAAGGCTT.1_5	YUTHEA	Mono	4
##	AGTGTCACTGACCTC.1_5	YUTHEA	CD8T	1
##	AGTTGGTCAGTAAGAT.1_5	YUTHEA	Mono	4
##	AGTTGGTGTGCGCAC.1_5	YUTHEA	CD4T	6
##	ATAACGCTCTGGCGAC.1_5	YUTHEA	Mono	4
##	ATAACGCTCTTGTCAT.1_5	YUTHEA	Mono	9
##	ATAAGAGAGACAAGCC.1_5	YUTHEA	Mono	4
##	ATAAGAGGTCCGTCAG.1_5	YUTHEA	CD4T	2
##	ATAGACCTCGACGGAA.1_5	YUTHEA	B	1
##	ATCACGAGTAACGCGA.1_5	YUTHEA	Mono	8
##	ATCACGAGTAATAGCA.1_5	YUTHEA	Mono	4
##	ATCATCTCACTCAGGC.1_5	YUTHEA	Mono	4
##	ATCATCTGTATGCTTG.1_5	YUTHEA	CD4T	4
##	ATCATGGAGCCCAACC.1_5	YUTHEA	Mono	4
##	ATCCACCCAATTGCTG.1_5	YUTHEA	TNKT	1
##	ATCCGAAGTTGTTTG.1_5	YUTHEA	CD4T	7
##	ATCGAGTAGACCACGA.1_5	YUTHEA	Mono	5
##	ATCGAGTCAATAGAGT.1_5	YUTHEA	NK	3
##	ATCGAGTGTATGCTTG.1_5	YUTHEA	B	1
##	ATCTACTCATCCTTGC.1_5	YUTHEA	NK	1
##	ATCTACTGTTCAGACT.1_5	YUTHEA	NK	3
##	ATCTGCCGTTAAGGGC.1_5	YUTHEA	Mono	4
##	ATCTGCCCTCCGATATG.1_5	YUTHEA	Mono	1
##	ATGAGGGCACTGTTAG.1_5	YUTHEA	Mono	8
##	ATGAGGGCAGCTATTG.1_5	YUTHEA	Mono	8
##	ATGAGGGGTTAAAGTG.1_5	YUTHEA	Mono	3
##	ATGCGATAGGTACCT.1_5	YUTHEA	Mono	1
##	ATGCGATCACCCATTC.1_5	YUTHEA	Mono	9
##	ATGCGATCATGGAATA.1_5	YUTHEA	B	1
##	ATGCGATGTCCAGTGC.1_5	YUTHEA	Mono	9
##	ATGGGAGCATGAACCT.1_5	YUTHEA	B	2
##	ATTACTCAGTTAAGTG.1_5	YUTHEA	CD4T	7
##	ATTCTACCAACTGGCC.1_5	YUTHEA	NK	1
##	ATTCTACGTATGAAAC.1_5	YUTHEA	B	1
##	ATTCTACTCCAACTG.1_5	YUTHEA	Mono	4
##	ATTGGACAGCGTTCCG.1_5	YUTHEA	Mono	8
##	ATTGGACAGGCTCAGA.1_5	YUTHEA	Mono	4
##	ATTGGACTCGTAGGTT.1_5	YUTHEA	B	1
##	ATTGGTGAGAGCTGCA.1_5	YUTHEA	CD4T	7
##	ATTTCTGCATCACGAT.1_5	YUTHEA	Mono	4

## CAACCAACATAGTAAG.1_5	YUTHEA	NK 2
## CAACCTCGTCGACTGC.1_5	YUTHEA	NK 2
## CAACTAGCAAAGTGCG.1_5	YUTHEA	B 1
## CAAGATCCAAGTAGTA.1_5	YUTHEA	Mono 4
## CAAGATCCAGGCTCAC.1_5	YUTHEA	Mono 2
## CAAGGCCAGCTAACAA.1_5	YUTHEA	NK 1
## CAAGGCCTCAATACCG.1_5	YUTHEA	Mono 4
## CAAGGCCTCACTCCTG.1_5	YUTHEA	DC 1
## CAAGTTGTCTGACCGG.1_5	YUTHEA	Mono 5
## CACAAACAGTACCGGA.1_5	YUTHEA	Mono 4
## CACAAACCAGGATCGA.1_5	YUTHEA	CD4T 6
## CACACCTAGCTAGTGG.1_5	YUTHEA	Mono 4
## CACACCTGTCCGTGAC.1_5	YUTHEA	Mono 4
## CACACCTTCAGTTGAC.1_5	YUTHEA	CD4T 2
## CACACCTTCTTGCAAG.1_5	YUTHEA	Mono 4
## CACAGTAAGCTATGCT.1_5	YUTHEA	Mono 4
## CACAGTAAGTCACGCC.1_5	YUTHEA	Mono 4
## CACAGTATCGCATGAT.1_5	YUTHEA	TNKT 2
## CACATAGAGGCCATAG.1_5	YUTHEA	Mono 1
## CACATAGAGTAATCCC.1_5	YUTHEA	CD4T 3
## CACCACTAGATCTGAA.1_5	YUTHEA	B 2
## CACCACTAGCTAAACA.1_5	YUTHEA	Mono 4
## CACCACTGTACCCAAT.1_5	YUTHEA	CD4T 7
## CACCTTGACCCATTC.1_5	YUTHEA	Mono 9
## CACCTTGTCTGTTGCC.1_5	YUTHEA	CD4T 7
## CACCTTGTCTGTCTAT.1_5	YUTHEA	CD4T 2
## CACTCCACACTGAAGG.1_5	YUTHEA	CD4T 1
## CAGAATCAGGATGGTC.1_5	YUTHEA	Mono 4
## CAGAATCGTGGACGAT.1_5	YUTHEA	Mono 4
## CAGAGAGAGTATGACA.1_5	YUTHEA	CD4T 7
## CAGAGAGCATGTCTCC.1_5	YUTHEA	CD4T 6
## CAGATCACACCGATAT.1_5	YUTHEA	Mono 4
## CAGATCATCAAACAAG.1_5	YUTHEA	Mono 4
## CAGCAGCAGTCGTTTG.1_5	YUTHEA	Mono 4
## CAGCAGCTCCCTCTTT.1_5	YUTHEA	Mono 1
## CAGCCGAAGAGACTTA.1_5	YUTHEA	CD4T 2
## CAGCCGATCAACCAAC.1_5	YUTHEA	Mono 5
## CAGCCGATCACCGGGT.1_5	YUTHEA	Mono 4
## CAGCGACCACATTTCT.1_5	YUTHEA	CD4T 4
## CAGCGACGTACATGTC.1_5	YUTHEA	Mono 4
## CAGCGACTCGCCAAAT.1_5	YUTHEA	Mono 8
## CAGCTGGCACAGTCGC.1_5	YUTHEA	Mono 9
## CAGCTGGTCTGCCCTA.1_5	YUTHEA	Mono 4
## CAGTAACGTTACGTCA.1_5	YUTHEA	Mono 8
## CAGTAACTCGCCAGCA.1_5	YUTHEA	Mono 8
## CAGTCCTCATCTACGA.1_5	YUTHEA	CD4T 1
## CATATGGGTGAGGGAG.1_5	YUTHEA	Mono 8
## CATATTCTCCCTTGCA.1_5	YUTHEA	Mono 8
## CATCAAGGTACCATCA.1_5	YUTHEA	Mono 4
## CATCAAGGTCATGGT.1_5	YUTHEA	Mono 4
## CATCAAGTCAAAGACA.1_5	YUTHEA	NK 3
## CATCAAGTCCTATGTT.1_5	YUTHEA	Mono 4
## CATCAGAAGTACACCT.1_5	YUTHEA	Mono 1
## CATCAGACATGCCACG.1_5	YUTHEA	NK 3

## CATCAGATCACGCATA.1_5	YUTHEA	Mono 4
## CATCAGATCCTTGACC.1_5	YUTHEA	CD4T 7
## CATCCACAGCTGAACG.1_5	YUTHEA	Mono 4
## CATCGAAAGACAGAGA.1_5	YUTHEA	TNKT 1
## CATCGAAAGTGCCATT.1_5	YUTHEA	CD4T 4
## CATCGGGAGACTTGAA.1_5	YUTHEA	CD4T 7
## CATCGGGTCATAACCG.1_5	YUTHEA	Mono 5
## CATCGGGTCTTCGGTC.1_5	YUTHEA	Mono 9
## CATGACATCATCGCTC.1_5	YUTHEA	Mono 4
## CATGACATCGTTACGA.1_5	YUTHEA	CD4T 6
## CATGCCTCATCCACT.1_5	YUTHEA	CD4T 7
## CATTATCGTCTTCGTC.1_5	YUTHEA	CD4T 4
## CATTGCGAGGTATCG.1_5	YUTHEA	TNKT 1
## CATTGCGAGTTAGCGG.1_5	YUTHEA	Mono 4
## CATTGCGCAAGGACAC.1_5	YUTHEA	NK 2
## CATTGCCCACCTCGTT.1_5	YUTHEA	Mono 4
## CATTGCCCATCTCCCA.1_5	YUTHEA	Mono 4
## CATTGCGGTCGAAAGC.1_5	YUTHEA	B 1
## CCAATCCCAACACCCG.1_5	YUTHEA	Mono 9
## CCACCTAAGGTCATCT.1_5	YUTHEA	Mono 4
## CCACCTAGTCATCCCT.1_5	YUTHEA	Mono 4
## CCACCTATCGGAGCAA.1_5	YUTHEA	Mono 9
## CCACGGAAGACCACGA.1_5	YUTHEA	Mono 9
## CCACGGATCAGCTTAG.1_5	YUTHEA	Mono 8
## CCATGTCTCATGTCCC.1_5	YUTHEA	NK 2
## CCCATACCATATGAGA.1_5	YUTHEA	Mono 1
## CCCTCCTAGTAATCCC.1_5	YUTHEA	Mono 4
## CCCTCCTGTCATGCAT.1_5	YUTHEA	Mono 4
## CCCTCCTGTTGAGGTG.1_5	YUTHEA	B 2
## CCCTCCTTCCTTTCGG.1_5	YUTHEA	Mono 1
## CCCTCCTTCTTGTA.1_5	YUTHEA	Mono 4
## CCGGGATCACTTCGAA.1_5	YUTHEA	CD8T 1
## CCGGGATTCTGTCAAG.1_5	YUTHEA	Mono 1
## CCGTGGATCGGAGCAA.1_5	YUTHEA	B 1
## CCTAAAGGTCACACGC.1_5	YUTHEA	Mono 9
## CCTACACCATAACAGCT.1_5	YUTHEA	Mono 4
## CCTACACTCGACGGAA.1_5	YUTHEA	CD4T 3
## CCTACCAAGTGGTAGC.1_5	YUTHEA	B 1
## CCTACCAAGTGCATCTA.1_5	YUTHEA	NK 1
## CCTAGCTAGAGCTGGT.1_5	YUTHEA	CD4T 2
## CCTAGCTCATCGACGC.1_5	YUTHEA	CD4T 7
## CCTAGCTGTCCGACGT.1_5	YUTHEA	B 2
## CCTAGCTGTATTCTC.1_5	YUTHEA	TNKT 1
## CCTCAGTCACGAAAGC.1_5	YUTHEA	Mono 4
## CCTCTGACACAGTCGC.1_5	YUTHEA	CD4T 7
## CCTTACGACAGAGGTA.1_5	YUTHEA	CD4T 4
## CCTTACGTCAGTTAGC.1_5	YUTHEA	NK 3
## CCTTCCCGTTACGCGC.1_5	YUTHEA	CD4T 7
## CCTTCCCTCCGAGCCA.1_5	YUTHEA	NK 1
## CCTTCGAAGATCGGGT.1_5	YUTHEA	B 1
## CCTTTCTAGCGCTCCA.1_5	YUTHEA	CD4T 6
## CCTTTCTAGTACGATA.1_5	YUTHEA	Mono 8
## CCTTTCTCAGCCTTGG.1_5	YUTHEA	NK 1
## CCTTTCTTCTTGTAT.1_5	YUTHEA	CD4T 7

## CCTTTCTTCTGGCGTG.1_5	YUTHEA	CD4T 2
## CGAACATAGAAGGACA.1_5	YUTHEA	Mono 5
## CGACCTTAGTTCGCGC.1_5	YUTHEA	Mono 1
## CGACCTTCAGCTTAAC.1_5	YUTHEA	CD4T 7
## CGACTTCAGTCTCGGC.1_5	YUTHEA	TNKT 1
## CGAGCCATCCTAGGGC.1_5	YUTHEA	Mono 8
## CGATCGGCAACTTGAC.1_5	YUTHEA	Mono 5
## CGATCGGTCCGAACGC.1_5	YUTHEA	NK 1
## CGATGGCTCTTCCTTC.1_5	YUTHEA	NK 3
## CGATGTAGTGAGTGAC.1_5	YUTHEA	Mono 8
## CGCCAAGCAGCTGGCT.1_5	YUTHEA	B 1
## CGCCAAGTCTCGCATC.1_5	YUTHEA	B 1
## CGCGGTAAGGAGTACC.1_5	YUTHEA	Mono 4
## CGCGGTACACTAAGTC.1_5	YUTHEA	Mono 8
## CGCTATCCAGGAATCG.1_5	YUTHEA	B 1
## CGCTGGAAGCGATTCT.1_5	YUTHEA	Mono 4
## CGCTGGAAGTGTGAAT.1_5	YUTHEA	Mono 9
## CGCTGGACAGGCAGTA.1_5	YUTHEA	Mono 1
## CGCTGGAGTGCAGGTA.1_5	YUTHEA	Mono 4
## CGCTGGAGTTGGTTTG.1_5	YUTHEA	CD4T 2
## CGCTGGATCAGAGCTT.1_5	YUTHEA	Mono 4
## CGCTGGATCGAACGGA.1_5	YUTHEA	Mono 8
## CGGACACCATCCTAGA.1_5	YUTHEA	TNKT 2
## CGGACGTAGGTGCACA.1_5	YUTHEA	Mono 4
## CGGACTGCAATAACGA.1_5	YUTHEA	B 1
## CGGACTGCATGGTAGG.1_5	YUTHEA	Mono 4
## CGGAGCTAGATCCGAG.1_5	YUTHEA	Mono 4
## CGGCTAGGTTATGTGC.1_5	YUTHEA	NK 2
## CGGGTCAAGAGGGATA.1_5	YUTHEA	B 1
## CGGGTCAAGTCCTCCT.1_5	YUTHEA	NK 2
## CGGTAAAGAATAGGG.1_5	YUTHEA	TNKT 1
## CGGTAAACAAACGCGA.1_5	YUTHEA	Mono 5
## CGGTAAATCATCATTC.1_5	YUTHEA	Mono 1
## CGTAGGCCACAGTCGC.1_5	YUTHEA	NK 3
## CGTAGGCCAGACTCGC.1_5	YUTHEA	Mono 8
## CGTAGGCTCTTACCGC.1_5	YUTHEA	Mono 8
## CGTCACTCAGCAGTTT.1_5	YUTHEA	Mono 1
## CGTCAGGAGACCACGA.1_5	YUTHEA	B 2
## CGTCAGGGTCGCATAT.1_5	YUTHEA	Mono 8
## CGTCAGGGTGTGCCTG.1_5	YUTHEA	Mono 4
## CGTCCATAGAGTACCG.1_5	YUTHEA	Mono 4
## CGTCTACGTCAAATC.1_5	YUTHEA	CD4T 5
## CGTGAGCCACGGCCAT.1_5	YUTHEA	CD4T 7
## CGTGTAATCACCAGGT.1_5	YUTHEA	Mono 4
## CGTGTCTCACTTCGAA.1_5	YUTHEA	NK 2
## CGTGTCTGTACCTACA.1_5	YUTHEA	Mono 9
## CGTTAGACAGCGTCCA.1_5	YUTHEA	Mono 8
## CGTTAGAGTAGTACCT.1_5	YUTHEA	Mono 4
## CGTTAGATCAACACAC.1_5	YUTHEA	CD4T 7
## CGTTCTGAGCGAGAAA.1_5	YUTHEA	Mono 4
## CGTTCTGGTTACGGAG.1_5	YUTHEA	CD4T 4
## CGTTCTGTCAACCAAC.1_5	YUTHEA	Mono 9
## CGTTGGGCAGCTCGCA.1_5	YUTHEA	Mono 4
## CTAAGTTAGATATGGT.1_5	YUTHEA	Mono 4

## CTAACCTTAGCCCAATT.1_5	YUTHEA	Mono 4
## CTAACCTTCAGCCAGAA.1_5	YUTHEA	Mono 4
## CTAACCTTTCACCATAG.1_5	YUTHEA	Mono 8
## CTAAGACAGAGTGAGA.1_5	YUTHEA	Mono 2
## CTAATGGCACAAGCCC.1_5	YUTHEA	Mono 1
## CTAATGGTCACAAACC.1_5	YUTHEA	Mono 4
## CTAATGGTCTTCATGT.1_5	YUTHEA	B 1
## CTACACCCAAACTGTC.1_5	YUTHEA	Mono 4
## CTACCCAAGCGCTCCA.1_5	YUTHEA	NK 3
## CTACCCACATCGACGC.1_5	YUTHEA	CD4T 7
## CTACCCAGTCAGATAA.1_5	YUTHEA	CD4T 2
## CTACCCAGTCAGTGGA.1_5	YUTHEA	CD4T 4
## CTACGTCTCGGACAAG.1_5	YUTHEA	NK 2
## CTAGAGTCATAAAGGT.1_5	YUTHEA	Mono 8
## CTAGCCTCAGAAGCAC.1_5	YUTHEA	Mono 9
## CTAGTGACATCATCCC.1_5	YUTHEA	Mono 8
## CTAGTGAGTCTCCACT.1_5	YUTHEA	B 1
## CTCAGAAAGCTGAACG.1_5	YUTHEA	Mono 4
## CTCATTAGTGAGGGTT.1_5	YUTHEA	Mono 9
## CTCATTAGTGGCGAAT.1_5	YUTHEA	Mono 4
## CTCATTATCACTTACT.1_5	YUTHEA	CD4T 7
## CTCCTAGGTCGAATCT.1_5	YUTHEA	Mono 8
## CTCGAGGAGTTAGGTA.1_5	YUTHEA	CD4T 7
## CTCGAGGCATGCCACG.1_5	YUTHEA	B 2
## CTCGGAGCAGAGCCAA.1_5	YUTHEA	Mono 4
## CTCGGAGCATATACCG.1_5	YUTHEA	CD4T 7
## CTCGGAGTCGTATCAG.1_5	YUTHEA	NK 1
## CTCGGGAAGCACGCCT.1_5	YUTHEA	TNKT 1
## CTCGGGATCGCCATAA.1_5	YUTHEA	Mono 4
## CTCGTACAGTCATCCA.1_5	YUTHEA	Mono 4
## CTCGTACTCCGAACGC.1_5	YUTHEA	Mono 4
## CTCGTCAAGTGAATGA.1_5	YUTHEA	Mono 9
## CTCTACGAGAGCTATA.1_5	YUTHEA	Mono 4
## CTCTACGAGTTGTAGA.1_5	YUTHEA	CD4T 7
## CTCTACGCATCCCATC.1_5	YUTHEA	NK 2
## CTCTACGGTATGCTTG.1_5	YUTHEA	TNKT 1
## CTGAAGTTCCAACCAA.1_5	YUTHEA	Mono 9
## CTGATAGAGAAGGTGA.1_5	YUTHEA	Mono 4
## CTGATAGAGAGTCGGT.1_5	YUTHEA	Mono 4
## CTGATAGCAATAGAGT.1_5	YUTHEA	CD4T 6
## CTGATAGTCAGGTAAA.1_5	YUTHEA	Mono 4
## CTGCCTAAGCGTTGCC.1_5	YUTHEA	Mono 7
## CTGCCTATCCCGACTT.1_5	YUTHEA	Mono 8
## CTGCCTATCTGCGTAA.1_5	YUTHEA	CD4T 6
## CTGCGGAAGGAGTCTG.1_5	YUTHEA	Mono 1
## CTGCGGAGTCAACATC.1_5	YUTHEA	CD4T 2
## CTGCGGAGTCGCCATG.1_5	YUTHEA	CD4T 4
## CTGCGGAGTTGCTCCT.1_5	YUTHEA	B 1
## CTGCGGATCAAAGACA.1_5	YUTHEA	TNKT 1
## CTGCGGATCTCCGGTT.1_5	YUTHEA	CD4T 7
## CTGCTGTAGTCAAGCG.1_5	YUTHEA	CD4T 7
## CTGCTGTCAATCTACG.1_5	YUTHEA	CD4T 7
## CTGCTGTCAGGTCGTC.1_5	YUTHEA	B 1
## CTGCTGTTCCACTCCA.1_5	YUTHEA	CD4T 7

## CTGCTGTTCTACTTAC.1_5	YUTHEA	CD4T 2
## CTGGTCTTCAGCTCTC.1_5	YUTHEA	CD4T 7
## CTGTGCTAGCATCATC.1_5	YUTHEA	CD4T 1
## CTGTGCTAGTCATGCT.1_5	YUTHEA	CD4T 7
## CTGTGCTGTAGCGCAA.1_5	YUTHEA	B 2
## CTGTTTAAGCCTCGTG.1_5	YUTHEA	Mono 5
## CTGTTTAGTCAGATAA.1_5	YUTHEA	Mono 9
## CTGTTTATCCACGTGG.1_5	YUTHEA	NK 1
## CTTAACTGTACTCAAC.1_5	YUTHEA	Mono 1
## CTTAACTTCTTGTATC.1_5	YUTHEA	Mono 8
## CTTCTCTAGTTGTAGA.1_5	YUTHEA	CD4T 6
## CTTCTCTCAGATGGGT.1_5	YUTHEA	CD4T 4
## CTTCTCTCAGCGATCC.1_5	YUTHEA	Mono 4
## CTTCTCTCAGGGAGAG.1_5	YUTHEA	CD4T 4
## CTTCTCTCATAAGACA.1_5	YUTHEA	Mono 9
## CTTCTCTGTCGATTGT.1_5	YUTHEA	Mono 4
## CTTGGCTTCGCATGAT.1_5	YUTHEA	B 2
## CTTGGCTTCTGGGCCA.1_5	YUTHEA	Mono 4
## CTTTGCGCAGCTGTTA.1_5	YUTHEA	Mono 4
## CTTTGCGGTCATCGGC.1_5	YUTHEA	Mono 9
## CTTTGCGTCGGACAAG.1_5	YUTHEA	NK 3
## GAACATCGTACAGACG.1_5	YUTHEA	TNKT 1
## GAACATCGTCGCTTTC.1_5	YUTHEA	Mono 1
## GAACCTAGTCAAAGCG.1_5	YUTHEA	B 2
## GAACCTATCTGTCCGT.1_5	YUTHEA	CD4T 1
## GAACGGAGTCAGTGA.1_5	YUTHEA	B 2
## GAAGCAGCACACCGAC.1_5	YUTHEA	Mono 4
## GAAGCAGCATAGACTC.1_5	YUTHEA	CD4T 5
## GAAGCAGTCCTAGGGC.1_5	YUTHEA	Mono 8
## GAATAAGAGAGACTTA.1_5	YUTHEA	Mono 4
## GAATGAAAGAATCTCC.1_5	YUTHEA	CD4T 7
## GAATGAAAGTCCATAC.1_5	YUTHEA	CD4T 5
## GAATGAAAGTGGCACA.1_5	YUTHEA	NK 2
## GACACGCCAGCCTGTG.1_5	YUTHEA	Mono 1
## GACACGCGTTTGTGTG.1_5	YUTHEA	Mono 4
## GACCAATTACCATAG.1_5	YUTHEA	Mono 8
## GACGCGTTCGTTTATC.1_5	YUTHEA	Mono 1
## GACGTGCGTCATATGC.1_5	YUTHEA	Mono 1
## GACGTTACAATCCGAT.1_5	YUTHEA	CD4T 1
## GACGTTAGTCCGACGT.1_5	YUTHEA	Mono 5
## GACTACAAGAAAGTGG.1_5	YUTHEA	Mono 4
## GACTGCGTCATCGATG.1_5	YUTHEA	Mono 4
## GACTGCGTCTTGTATC.1_5	YUTHEA	Mono 7
## GAGCAGAAGGCTACGA.1_5	YUTHEA	NK 1
## GAGCAGAGTATAGTAG.1_5	YUTHEA	Mono 4
## GAGGTGAAGACTAGGC.1_5	YUTHEA	Mono 8
## GAGGTGAGTAAACACA.1_5	YUTHEA	NK 3
## GAGGTGAGTGACTION.1_5	YUTHEA	TNKT 1
## GAGGTGAGTTGACAC.1_5	YUTHEA	Mono 4
## GAGTCCGAGGTTCCCTA.1_5	YUTHEA	Mono 4
## GAGTCCGCAACACCCG.1_5	YUTHEA	Mono 9
## GAGTCCGGTAAAGTCA.1_5	YUTHEA	Mono 4
## GAGTCCGGTATCACCA.1_5	YUTHEA	NK 3
## GATCGCGCACCAGGCT.1_5	YUTHEA	TNKT 1

## GATCGCGCAGATCTGT.1_5	YUTHEA	Mono 4
## GATCTAGGTAGGAGTC.1_5	YUTHEA	Mono 8
## GATGAAATCCTTTACA.1_5	YUTHEA	Mono 4
## GATGAGGAGAATTCCC.1_5	YUTHEA	CD4T 7
## GATGCTACACCACGTG.1_5	YUTHEA	Mono 4
## GCAAACTTCCTATTCA.1_5	YUTHEA	Mono 4
## GCAATCAGTCCGTGAC.1_5	YUTHEA	Mono 2
## GCAATCATCCCATTAT.1_5	YUTHEA	Mono 5
## GCACATAAGTATCGAA.1_5	YUTHEA	B 1
## GCACATACAGGACGTA.1_5	YUTHEA	DC 1
## GCACATATCTATCCTA.1_5	YUTHEA	Mono 1
## GCACATATCTCTTGAT.1_5	YUTHEA	Mono 8
## GCACTCTAGACACGAC.1_5	YUTHEA	Mono 4
## GCACTCTCACACAGAG.1_5	YUTHEA	Mono 4
## GCAGCCAAGTATCTCG.1_5	YUTHEA	Mono 9
## GCAGCCAAGTCCGGTC.1_5	YUTHEA	CD4T 7
## GCAGCCAGTCGGCTCA.1_5	YUTHEA	Mono 1
## GCAGCCATCTACCAGA.1_5	YUTHEA	Mono 2
## GCATACATCGGAAATA.1_5	YUTHEA	Mono 4
## GCATGATAGCCGATTT.1_5	YUTHEA	B 1
## GCATGATGTATAAACG.1_5	YUTHEA	NK 3
## GCATGCGCATGGATGG.1_5	YUTHEA	Mono 7
## GCATGCGTCAGAGGTG.1_5	YUTHEA	Mono 1
## GCATGCGTCATTGCCC.1_5	YUTHEA	NK 3
## GCATGCGTCCTGCCAT.1_5	YUTHEA	Mono 8
## GCATGTAAGCTACCTA.1_5	YUTHEA	Mono 9
## GCATGTACAGGACCCT.1_5	YUTHEA	Mono 4
## GCATGTAGTAAAGGAG.1_5	YUTHEA	Mono 1
## GCCAAATCATGGGACA.1_5	YUTHEA	Mono 8
## GCCTCTATCTGCAGTA.1_5	YUTHEA	Mono 1
## GCGACCAAGCTATGCT.1_5	YUTHEA	CD4T 7
## GCGACCAGTGGCGAAT.1_5	YUTHEA	Mono 9
## GCGAGAACAAATCAGAA.1_5	YUTHEA	Mono 9
## GCGAGAAGTTCAGACT.1_5	YUTHEA	CD4T 1
## GCGCAACAGGTAAACT.1_5	YUTHEA	B 1
## GCGCAACCACTCGACG.1_5	YUTHEA	CD4T 1
## GCGCAACCAGTACACT.1_5	YUTHEA	Mono 9
## GCGCAACCAGTTCCCT.1_5	YUTHEA	Mono 5
## GCGCAGTTCACCGTAA.1_5	YUTHEA	B 1
## GCGCAGTTCACGGTTA.1_5	YUTHEA	Mono 4
## GCGCAGTTCCGTCATC.1_5	YUTHEA	CD4T 4
## GCGCCAAAGATATGGT.1_5	YUTHEA	CD4T 4
## GCGCCAAAGCTCCTTC.1_5	YUTHEA	Mono 4
## GCGCCAATCGTAGATC.1_5	YUTHEA	Mono 1
## GCGCCAATCTGTGCAT.1_5	YUTHEA	CD4T 6
## GCGCGATTCAAACCAC.1_5	YUTHEA	CD4T 2
## GCGGGTTGTGGTTTG.1_5	YUTHEA	CD4T 7
## GCGGGTTTCATCGGAT.1_5	YUTHEA	CD4T 1
## GCTCTGTTACCCTCA.1_5	YUTHEA	NK 2
## GCTCTGTTCTACGAGT.1_5	YUTHEA	Mono 4
## GCTGCAGAGGAACTGC.1_5	YUTHEA	CD4T 7
## GCTGCAGTCATCACCC.1_5	YUTHEA	Mono 1
## GCTGCAGTCCACTGGG.1_5	YUTHEA	TNKT 1
## GCTGCGAGTATCACCA.1_5	YUTHEA	Mono 4

## GCTGCTTAGCCAGTAG.1_5	YUTHEA	B 2
## GCTGCTTGTCGGTTAA.1_5	YUTHEA	TNKT 1
## GCTGGGTAGTAGTGCG.1_5	YUTHEA	CD4T 7
## GCTGGGTGTTCCAACA.1_5	YUTHEA	DC 1
## GCTTCCAAGACAAAGG.1_5	YUTHEA	Mono 4
## GCTTCCACAAGAGGCT.1_5	YUTHEA	Mono 8
## GCTTGAAGTAAGTTCC.1_5	YUTHEA	CD4T 2
## GCTTGAAGTCCTAGCG.1_5	YUTHEA	NK 3
## GCTTGAATCGTTGCCT.1_5	YUTHEA	Mono 4
## GGAAAGCTCTTTCCTC.1_5	YUTHEA	B 2
## GGAACCTTTCGTGTAGT.1_5	YUTHEA	B 1
## GGAACCTTTCGTAGTGT.1_5	YUTHEA	CD4T 7
## GGAATAATCTCAAGTG.1_5	YUTHEA	CD4T 1
## GGACAAGCACTAAGTC.1_5	YUTHEA	CD4T 6
## GGACAAGGTGACGCCT.1_5	YUTHEA	Mono 8
## GGACAAGGTGGTCCGT.1_5	YUTHEA	CD8T 1
## GGACAGACACTGTGTA.1_5	YUTHEA	Mono 9
## GGACATTAGAAACGCC.1_5	YUTHEA	Mono 4
## GGACATTGTACGACCC.1_5	YUTHEA	B 2
## GGACGTCAGTTTCCTT.1_5	YUTHEA	B 2
## GGACGTCCATAGACTC.1_5	YUTHEA	NK 3
## GGACGTCGTGCTAGCC.1_5	YUTHEA	B 1
## GGAGCAAGTACATCCA.1_5	YUTHEA	Mono 4
## GGATGTTTCACTGGGC.1_5	YUTHEA	Mono 8
## GGATGTTTCATCACCC.1_5	YUTHEA	Mono 2
## GGATGTTTCCGCGCAA.1_5	YUTHEA	TNKT 1
## GGATTACTCGGTTCCG.1_5	YUTHEA	CD4T 6
## GGCAATTTCTGCGGCA.1_5	YUTHEA	CD4T 1
## GCGGACTGTCGAGTTT.1_5	YUTHEA	CD4T 1
## GCGGACTTCCATGAAC.1_5	YUTHEA	NK 3
## GCGGTGTAGCGATTCT.1_5	YUTHEA	B 1
## GCGGTGTGTAAACACA.1_5	YUTHEA	Mono 4
## GCGGTGTTCTGCCAT.1_5	YUTHEA	NK 3
## GGCTGGTGTCCACTC.1_5	YUTHEA	Mono 9
## GGCTGGTTCGGCTTGG.1_5	YUTHEA	B 1
## GGCTGGTTCTATCCTA.1_5	YUTHEA	Mono 4
## GGGAATGAGACCCACC.1_5	YUTHEA	NK 3
## GGGAATGAGTTGAGTA.1_5	YUTHEA	NK 1
## GGGAATGCATTTGCTT.1_5	YUTHEA	DC 1
## GGGAATGGTTCCCGAG.1_5	YUTHEA	Mono 5
## GGGACCTGTTCCATGA.1_5	YUTHEA	Mono 1
## GGGATGAAGCCACGCT.1_5	YUTHEA	Mono 8
## GGGATGAAGTTAACGA.1_5	YUTHEA	Mono 8
## GGGATGACACAGGTTT.1_5	YUTHEA	Mono 4
## GGGATGATCGTGACAT.1_5	YUTHEA	Mono 4
## GGGCACTGTGGTACAG.1_5	YUTHEA	CD4T 6
## GGGTCTGGTGCCTGCA.1_5	YUTHEA	NK 1
## GGGTCTGTACGATGT.1_5	YUTHEA	CD4T 5
## GGGTCTGTCAATTGCGA.1_5	YUTHEA	CD4T 6
## GGGTTGCGTCGGATCC.1_5	YUTHEA	NK 2
## GGTATTGCATCACGAT.1_5	YUTHEA	Mono 4
## GGTGAAGGTGATAAGT.1_5	YUTHEA	Mono 4
## GGTGCGTAGCACAGGT.1_5	YUTHEA	Mono 4
## GGTGCGTCATATACGC.1_5	YUTHEA	CD4T 7

## GGTGCGTTCTCTGTCG.1_5	YUTHEA	Mono 4
## GGTGTTACAGCGAACA.1_5	YUTHEA	Mono 4
## GTAACGTAGCAGACTG.1_5	YUTHEA	Mono 8
## GTAACGTAGAAAACCTA.1_5	YUTHEA	CD4T 3
## GTAACGTGACCGAAAAG.1_5	YUTHEA	Mono 8
## GTACTCCGTCTTCTCG.1_5	YUTHEA	Mono 4
## GTACTTTCAAAGGCGT.1_5	YUTHEA	Mono 4
## GTACTTTGTCGGCACT.1_5	YUTHEA	B 1
## GTAGGCCAGGCATGGT.1_5	YUTHEA	B 1
## GTAGGCCGTTACAGAA.1_5	YUTHEA	Mono 9
## GTAGTCAAGCCAGAAC.1_5	YUTHEA	B 1
## GTAGTCAAGTACATGA.1_5	YUTHEA	Mono 4
## GTATCTTTCAGCTTAG.1_5	YUTHEA	NK 3
## GTATTCTTCCTATGTT.1_5	YUTHEA	Mono 9
## GTCAAGTCAGTCACTA.1_5	YUTHEA	CD4T 1
## GTCACAACATTCTTAC.1_5	YUTHEA	NK 3
## GTCATTTAGAACAAC.1_5	YUTHEA	CD4T 1
## GTCATTTGTCCTGCTT.1_5	YUTHEA	Mono 9
## GTCCTCATCACGCGGT.1_5	YUTHEA	Mono 8
## GTCTCGTTCATGTGGT.1_5	YUTHEA	Mono 5
## GTCTTCGGTATTCTCT.1_5	YUTHEA	CD4T 5
## GTCTTCGTCAACGGGA.1_5	YUTHEA	NK 2
## GTCTTCGTCTGCCCTA.1_5	YUTHEA	B 1
## GTGAAGGCAGTTCCT.1_5	YUTHEA	CD4T 4
## GTGAAGGTCCTACAGA.1_5	YUTHEA	TNKT 1
## GTGAAGGTCGTACGA.1_5	YUTHEA	Mono 4
## GTGCAGCAGTATTGGA.1_5	YUTHEA	NK 2
## GTGCAGCCAAGTAGTA.1_5	YUTHEA	Mono 4
## GTGCAGCCAGGACGTA.1_5	YUTHEA	Mono 9
## GTGCATAAGGGAACGG.1_5	YUTHEA	Mono 4
## GTGCATAAGTAATCCC.1_5	YUTHEA	Mono 8
## GTGCATACATCGGAAG.1_5	YUTHEA	CD4T 2
## GTGCGGTAGCTAACTC.1_5	YUTHEA	Mono 8
## GTGCGGTTCTGACGGC.1_5	YUTHEA	Mono 4
## GTGCTTCTCAGTCAGT.1_5	YUTHEA	Mono 8
## GTGGGTCCAAGGTTCT.1_5	YUTHEA	CD8T 1
## GTGTGCGAGTCTCGGC.1_5	YUTHEA	NK 1
## GTGTGCGCACGTGAGA.1_5	YUTHEA	B 1
## GTGTTAGGTATATGAG.1_5	YUTHEA	NK 2
## GTGTTAGTCCCTCAGT.1_5	YUTHEA	Mono 8
## GTTAAGCAGATCACGG.1_5	YUTHEA	Mono 8
## GTTAAGCGTGTAAGTA.1_5	YUTHEA	Mono 4
## GTTCATTGTCCGACGT.1_5	YUTHEA	Mono 8
## GTTCGGGGTTTGGGCC.1_5	YUTHEA	Mono 4
## GTTCTCGAGAGTGACC.1_5	YUTHEA	Mono 9
## GTTCTCGGTAAGTAGT.1_5	YUTHEA	Mono 9
## GTTCTCGTCTCTAGGA.1_5	YUTHEA	Mono 4
## GTTTCTACATTCACTT.1_5	YUTHEA	CD4T 7
## GTTTCTATCTGCGACG.1_5	YUTHEA	Mono 7
## TAAGAGACAAACTGTC.1_5	YUTHEA	Mono 4
## TAAGCGTGTAAGTAGT.1_5	YUTHEA	Mono 1
## TACACGACAGCCTTGG.1_5	YUTHEA	TNKT 2
## TACACGACAGTCCTTC.1_5	YUTHEA	Mono 4
## TACACGAGTACGCTGC.1_5	YUTHEA	B 1

## TACAGTGTCTTGACA.1_5	YUTHEA	Mono 4
## TACCTATCAGACAAAT.1_5	YUTHEA	Mono 1
## TACCTTAAGGCAAAGA.1_5	YUTHEA	Mono 8
## TACCTTAGTATAGTAG.1_5	YUTHEA	Mono 4
## TACCTTATCTTAGAGC.1_5	YUTHEA	B 1
## TACGGATTCTGACCTC.1_5	YUTHEA	CD4T 7
## TACGGGCAGCTACCTA.1_5	YUTHEA	NK 1
## TACGGGCTCAGTACGT.1_5	YUTHEA	Mono 4
## TACGGTATCGAACTGT.1_5	YUTHEA	CD4T 7
## TACTCATGTGCTGTAT.1_5	YUTHEA	NK 2
## TACTCATTCCTCTTT.1_5	YUTHEA	Mono 4
## TACTCGCGTGATGCCC.1_5	YUTHEA	NK 2
## TACTTACCAGCTCCGA.1_5	YUTHEA	Mono 9
## TAGACCACAGGCAGTA.1_5	YUTHEA	Mono 9
## TAGACCAGTAAACACA.1_5	YUTHEA	Mono 4
## TAGACCATCCCATTTA.1_5	YUTHEA	B 1
## TAGAGCTCACGGTGTC.1_5	YUTHEA	Mono 8
## TAGAGCTCACTTGGAT.1_5	YUTHEA	Mono 9
## TAGCCGGAGACCTTTG.1_5	YUTHEA	NK 1
## TAGCCGGAGTACCGGA.1_5	YUTHEA	Mono 9
## TAGCCGGTCACCTTAT.1_5	YUTHEA	Mono 4
## TAGGCATGTTCAACCA.1_5	YUTHEA	B 2
## TAGGCATGTTGATTCTG.1_5	YUTHEA	Mono 4
## TAGGCATTCCTTTACA.1_5	YUTHEA	NK 1
## TAGTTGGGTCAGGACA.1_5	YUTHEA	NK 3
## TATCAGGAGCAATCTC.1_5	YUTHEA	Mono 4
## TATCAGGAGCAGCCTC.1_5	YUTHEA	Mono 4
## TATCAGGAGGTGTGGT.1_5	YUTHEA	Mono 4
## TATCTCAAGGGATCTG.1_5	YUTHEA	NK 2
## TATCTCACAGTTCATG.1_5	YUTHEA	NK 3
## TATCTCACATGCAATC.1_5	YUTHEA	TNKT 1
## TATCTCAGTTGCTCCT.1_5	YUTHEA	CD8T 1
## TATCTCATCGGTAAAC.1_5	YUTHEA	Mono 4
## TATGCCCGTGTGAAAT.1_5	YUTHEA	Mono 4
## TATTACCGTCAAAGCG.1_5	YUTHEA	Mono 4
## TATTACCTCTTGCAAT.1_5	YUTHEA	CD4T 7
## TCAATCTCAAACGCGA.1_5	YUTHEA	Mono 8
## TCAATCTGTCACTGGC.1_5	YUTHEA	Mono 4
## TCACAAGCAACACCTA.1_5	YUTHEA	Mono 4
## TCACGAAAGGTAGCCA.1_5	YUTHEA	Mono 1
## TCAGATGGTATGAATG.1_5	YUTHEA	CD4T 6
## TCAGATGTCCGTAGTA.1_5	YUTHEA	DC 1
## TCAGCAAAGCACCGTC.1_5	YUTHEA	CD4T 6
## TCAGCTCAGGAATTAC.1_5	YUTHEA	NK 2
## TCAGCTCGTAATAGCA.1_5	YUTHEA	B 1
## TCAGGATCACATCCAA.1_5	YUTHEA	Mono 4
## TCAGGATGTAGGCATG.1_5	YUTHEA	NK 2
## TCAGGTAAGGTACTCT.1_5	YUTHEA	TNKT 1
## TCAGGTAGTGCATCTA.1_5	YUTHEA	Mono 1
## TCATTACCACCACTTA.1_5	YUTHEA	Mono 4
## TCATTTGAGGATATAC.1_5	YUTHEA	CD4T 7
## TCATTTGCATTGGTAC.1_5	YUTHEA	Mono 9
## TCATTTGTCATGTAGC.1_5	YUTHEA	Mono 1
## TCCCGATGTCTGATCA.1_5	YUTHEA	Mono 8

## TCCCGATGTTATCGGT.1_5	YUTHEA	Mono 8
## TCCCGATTCTCGCATC.1_5	YUTHEA	Mono 4
## TCGCGAGAGATCCGAG.1_5	YUTHEA	TNKT 1
## TCGCGTTTCATTACCTT.1_5	YUTHEA	B 1
## TCGCGTTTCTTCAACT.1_5	YUTHEA	Mono 2
## TCGGGACCATCGGGTC.1_5	YUTHEA	DC 1
## TCGGGACGTCCATCCT.1_5	YUTHEA	Mono 4
## TCGGTAATCTTCGGTC.1_5	YUTHEA	Mono 4
## TCGTAGATCGTTTAGG.1_5	YUTHEA	Mono 4
## TCGTAGATCTTCCTTC.1_5	YUTHEA	DC 1
## TCTATTGGTCATATCG.1_5	YUTHEA	NK 1
## TCTATTGGTTACGACT.1_5	YUTHEA	CD4T 6
## TCTCTAACAGTCTTCC.1_5	YUTHEA	NK 1
## TCTGAGAAGAAACGCC.1_5	YUTHEA	Mono 9
## TCTGAGACAAGCCGCT.1_5	YUTHEA	TNKT 1
## TCTGAGATCAGTTTGG.1_5	YUTHEA	Mono 4
## TCTGAGATCTCTTGAT.1_5	YUTHEA	TNKT 1
## TCTGGAATCAGTTCGA.1_5	YUTHEA	B 2
## TCTTCGGAGTGACTCT.1_5	YUTHEA	NK 3
## TGAAAGAGTAGATTAG.1_5	YUTHEA	CD4T 7
## TGAAAGAGTTCGCTAA.1_5	YUTHEA	CD4T 7
## TGACAACGTAAATACG.1_5	YUTHEA	CD4T 1
## TGACGGCGTTACTGAC.1_5	YUTHEA	NK 3
## TGACTIONAGTGACGT.1_5	YUTHEA	Mono 8
## TGACTIONAGCAAGAAC.1_5	YUTHEA	TNKT 1
## TGACTIONAGTCTCCTTC.1_5	YUTHEA	NK 3
## TGACTIONTTAGCAGCCTC.1_5	YUTHEA	Mono 4
## TGACTIONTTTCATTCTGC.1_5	YUTHEA	CD8T 1
## TGACTIONTTGTAGCGAA.1_5	YUTHEA	Mono 1
## TGACTIONTTTCAGGTTCA.1_5	YUTHEA	CD4T 1
## TGAGAGGAGCGTAGTG.1_5	YUTHEA	CD4T 5
## TGAGCCGAGTTTGCCT.1_5	YUTHEA	CD4T 1
## TGAGGGACATGGGACA.1_5	YUTHEA	Mono 9
## TGCACCTAGTCCAGGA.1_5	YUTHEA	NK 2
## TGCACCTTCAGCTCGG.1_5	YUTHEA	Mono 8
## TGCCAAAAGGTGCACA.1_5	YUTHEA	TNKT 2
## TGCCAAAAGTCACTTCC.1_5	YUTHEA	CD4T 6
## TGCCAAATCTACGAGT.1_5	YUTHEA	CD4T 2
## TGCCCATCAAGACACG.1_5	YUTHEA	Mono 9
## TGCCCATCACCATGTA.1_5	YUTHEA	CD4T 2
## TGCCCTACAAGACGTG.1_5	YUTHEA	B 1
## TGCCCTAGTATCGCAT.1_5	YUTHEA	CD4T 7
## TGCGCAGAGAAGGCCT.1_5	YUTHEA	TNKT 1
## TGCGCAGCACTCGACG.1_5	YUTHEA	TNKT 1
## TGCGCAGGTTTGTGTG.1_5	YUTHEA	CD4T 2
## TGCGTGGTCTCTAGC.1_5	YUTHEA	Mono 8
## TGCTACCTCACGCGGT.1_5	YUTHEA	NK 1
## TGCTGCTAGGACATTA.1_5	YUTHEA	CD4T 7
## TGCTGCTGTAAGGGAA.1_5	YUTHEA	NK 2
## TGGACGCAGACCTTTG.1_5	YUTHEA	NK 3
## TGGACGCGTCTTGTCC.1_5	YUTHEA	B 1
## TGGCCAGTCTAACTGG.1_5	YUTHEA	Mono 4
## TGGCGCACACACGCTG.1_5	YUTHEA	NK 2
## TGGCGCAGTCCCGACA.1_5	YUTHEA	NK 1

## TGGCGCATCCTCCTAG.1_5	YUTHEA	NK 2
## TGGCTGGCACCAGGCT.1_5	YUTHEA	Mono 4
## TGGTTAGCAAGGCTCC.1_5	YUTHEA	Mono 4
## TGGTTAGGTGCTGTAT.1_5	YUTHEA	CD4T 7
## TGGTTAGTCCGATATG.1_5	YUTHEA	Mono 5
## TGGTTCCAGCGACGTA.1_5	YUTHEA	NK 2
## TGGTTCCAGCGCCTTG.1_5	YUTHEA	Mono 9
## TGGTTCCCAAGAGGCT.1_5	YUTHEA	B 2
## TGGTTCCTCGGATGTT.1_5	YUTHEA	Mono 8
## TGGTTCCTCTGCGTAA.1_5	YUTHEA	NK 2
## TGTATTCAGAGGGATA.1_5	YUTHEA	B 1
## TGTATTCAGTTCGCGC.1_5	YUTHEA	NK 4
## TGTGGTAAGAGACTAT.1_5	YUTHEA	Mono 8
## TGTGGTAGTCAGCTAT.1_5	YUTHEA	Mono 8
## TGTGTTTtagTAGTGCG.1_5	YUTHEA	TNKT 2
## TGTGTTTCAAGCCGTC.1_5	YUTHEA	CD8T 1
## TGTGTTTCAGCTCCGA.1_5	YUTHEA	NK 3
## TTAAGTCCACACATGT.1_5	YUTHEA	NK 3
## TTAGGACCAGTATGCT.1_5	YUTHEA	CD4T 7
## TTAGTTCAGAACTCGG.1_5	YUTHEA	B 1
## TTAGTTCAGCCGAAA.1_5	YUTHEA	TNKT 1
## TTAGTTCAGTTATCGC.1_5	YUTHEA	B 1
## TTAGTTCGTCGAGTTT.1_5	YUTHEA	Mono 4
## TTAGTTCGTGTATGGG.1_5	YUTHEA	Mono 1
## TTATGCTCAGAGCCAA.1_5	YUTHEA	Mono 4
## TTATGCTTCAGCTTAG.1_5	YUTHEA	NK 2
## TTATGCTTCTTGCAAT.1_5	YUTHEA	Mono 4
## TTCCAGCATCGATTG.1_5	YUTHEA	Mono 4
## TTCGAAGAGTAATCCC.1_5	YUTHEA	Mono 9
## TTCGAAGTCGTCACGG.1_5	YUTHEA	NK 2
## TTCTCCTAGTGTGAAT.1_5	YUTHEA	Mono 5
## TTCTCCTCAAAGCGGT.1_5	YUTHEA	B 2
## TTCTCCTTCGAGAGCA.1_5	YUTHEA	B 1
## TTGAACGAGTAACCCT.1_5	YUTHEA	Mono 4
## TTGAACGTCAAACCGT.1_5	YUTHEA	Mono 4
## TTGACTTAGTCTCCTC.1_5	YUTHEA	CD4T 1
## TTGACTTCAGCTATTG.1_5	YUTHEA	Mono 4
## TTGCCGTTAGCCTAA.1_5	YUTHEA	TNKT 1
## TTGCGTCAGGTACTCT.1_5	YUTHEA	CD4T 2
## TTGCGTCCACGCTTTC.1_5	YUTHEA	B 2
## TTGCGTCCATTGCGGC.1_5	YUTHEA	Mono 8
## TTGGAACACGCATCG.1_5	YUTHEA	Mono 4
## TTGGCAACAGCGAACA.1_5	YUTHEA	B 2
## TTGGCAATCAAGATCC.1_5	YUTHEA	CD4T 6
## TTTACTGAGCTTTGGT.1_5	YUTHEA	TNKT 1
## TTTACTGGTAACGTTT.1_5	YUTHEA	Mono 4
## TTTACTGGTAGTGAAT.1_5	YUTHEA	Mono 7
## TTTACTGTCACCGTAA.1_5	YUTHEA	Mono 8
## TTTCTCCATTGCGGC.1_5	YUTHEA	CD4T 4
## TTTGCGCAGGATGTAT.1_5	YUTHEA	CD8T 1
## TTTGCGCAGTAGCCGA.1_5	YUTHEA	Mono 9
## TTTGCGCGTTGGTAAA.1_5	YUTHEA	Mono 4
## TTTGTCAAGAGTAAGG.1_5	YUTHEA	NK 2
## TTTGTCAAGTGGGATC.1_5	YUTHEA	Mono 8

## AAACCTGAGGCTCTTA.1_6	YUFUB	Mono 7
## AAACCTGCAACACGCC.1_6	YUFUB	B 2
## AAACCTGCACTTAAGC.1_6	YUFUB	CD4T 3
## AAACCTGCAGGGTATG.1_6	YUFUB	TNKT 1
## AAACCTGGTATAAACG.1_6	YUFUB	CD4T 1
## AAACCTGTCCGAACGC.1_6	YUFUB	NK 1
## AAACCTGTGCTAGCG.1_6	YUFUB	B 2
## AAACGGGAGAATTCCC.1_6	YUFUB	CD4T 3
## AAACGGGAGTCGTACT.1_6	YUFUB	Mono 3
## AAACGGGCAGCCACCA.1_6	YUFUB	NK 4
## AAACGGGCATCGATGT.1_6	YUFUB	CD8T 2
## AAACGGGCATTGGGCC.1_6	YUFUB	CD4T 6
## AAACGGGTCCACGTTT.1_6	YUFUB	Mono 3
## AAAGATGAGTTCCACA.1_6	YUFUB	Mono 3
## AAAGATGTCATCACCC.1_6	YUFUB	CD4T 1
## AAAGATGTGCTACCGG.1_6	YUFUB	B 3
## AAAGATGTCTAAGCCA.1_6	YUFUB	NK 1
## AAAGCAAAGGCTCATT.1_6	YUFUB	Mono 3
## AAAGCAAAGTAGATGT.1_6	YUFUB	Mono 2
## AAAGCAAAGTGAAGTT.1_6	YUFUB	Mono 6
## AAAGCAACACAGAGGT.1_6	YUFUB	Mono 4
## AAAGCAACACGAGGTA.1_6	YUFUB	Mono 7
## AAAGCAAGTCCCTACT.1_6	YUFUB	B 2
## AAAGCAAGTTACCGAT.1_6	YUFUB	NK 3
## AAAGCAATCCGCGTTT.1_6	YUFUB	TNKT 2
## AAAGCAATCTCCCTGA.1_6	YUFUB	NK 1
## AAAGCAATCTGCTGTC.1_6	YUFUB	Mono 4
## AAAGTAGAGCTGAAAT.1_6	YUFUB	Mono 3
## AAAGTAGAGGCAGTCA.1_6	YUFUB	Mono 4
## AAAGTAGCAACGATGG.1_6	YUFUB	B 2
## AAAGTAGCATTAAACCG.1_6	YUFUB	Mono 2
## AAAGTAGGTAGCGCAA.1_6	YUFUB	CD4T 3
## AAAGTAGGTTGTCTTT.1_6	YUFUB	NK 3
## AAAGTAGTCATGCATG.1_6	YUFUB	B 2
## AAAGTAGTCATTGCGA.1_6	YUFUB	Mono 3
## AAAGTAGTCCCATTAT.1_6	YUFUB	CD4T 2
## AAAGTAGTCTATCGCC.1_6	YUFUB	NK 1
## AAATGCCAGAAACCGC.1_6	YUFUB	B 1
## AAATGCCAGGGTCGAT.1_6	YUFUB	CD4T 1
## AAATGCCAGTTTAGGA.1_6	YUFUB	Mono 2
## AAATGCCCACACTGCG.1_6	YUFUB	Mono 3
## AAATGCCCACGGTGTC.1_6	YUFUB	B 2
## AAATGCCCACTGTTAG.1_6	YUFUB	DC 1
## AAATGCCCACTTAAGC.1_6	YUFUB	NK 1
## AAATGCCCATGTCCTC.1_6	YUFUB	Mono 4
## AAATGCCGTAAATACG.1_6	YUFUB	CD4T 7
## AAATGCCGTCAGAGGT.1_6	YUFUB	TNKT 1
## AAATGCCTCAAAGTAG.1_6	YUFUB	B 3
## AACACGTCATAACCTG.1_6	YUFUB	NK 1
## AACACGTGTACCTACA.1_6	YUFUB	CD4T 1
## AACACGTGTCAAAGAT.1_6	YUFUB	CD4T 6
## AACACGTGTGGGTATG.1_6	YUFUB	CD4T 3
## AACACGTTCATGTGG.1_6	YUFUB	B 2
## AACCATGAGACATAAC.1_6	YUFUB	B 2

## AACCATGAGATCGATA.1_6	YUFUB	B 1
## AACCATGCAGTGAGTG.1_6	YUFUB	TNKT 1
## AACCATGGTCCGACGT.1_6	YUFUB	B 2
## AACCATGGTTAGGGTG.1_6	YUFUB	NK 3
## AACCATGTCTGAATCCA.1_6	YUFUB	CD4T 3
## AACCATGTCTAGGAG.1_6	YUFUB	CD4T 3
## AACCGCGAGAAGGTTT.1_6	YUFUB	Mono 7
## AACCGCGAGCCACGTC.1_6	YUFUB	CD4T 1
## AACCGCGAGGCCCTTG.1_6	YUFUB	CD4T 7
## AACCGCGCACTCTGTC.1_6	YUFUB	NK 2
## AACGTTGAGACAAAGG.1_6	YUFUB	Mono 8
## AACGTTGAGTGTAATC.1_6	YUFUB	CD4T 2
## AACGTTGCAACGATCT.1_6	YUFUB	Mono 3
## AACGTTGCAATCCGAT.1_6	YUFUB	NK 3
## AACGTTGGTAAGAGAG.1_6	YUFUB	B 2
## AACGTTGGTTCGGGCT.1_6	YUFUB	Mono 3
## AACGTTGTCTGTCTCG.1_6	YUFUB	CD4T 2
## AACTCAGAGAAAGTGG.1_6	YUFUB	NK 2
## AACTCAGGTCGCGTGT.1_6	YUFUB	Mono 3
## AACTCAGGTTCAAGGCC.1_6	YUFUB	CD4T 3
## AACTCAGTCATGGTCA.1_6	YUFUB	CD4T 1
## AACTCAGTCGTCCGTT.1_6	YUFUB	CD4T 6
## AACTCCCAGACCTAGG.1_6	YUFUB	B 2
## AACTCCCAGACGACGT.1_6	YUFUB	Mono 3
## AACTCCCAGATGGCGT.1_6	YUFUB	CD8T 1
## AACTCCCGTCGAGTTT.1_6	YUFUB	Mono 4
## AACTCCCTCCTGCTTG.1_6	YUFUB	TNKT 1
## AACTCTTAGATATACG.1_6	YUFUB	CD4T 3
## AACTCTTAGGTAGCCA.1_6	YUFUB	TNKT 1
## AACTCTTAGGTGCAAC.1_6	YUFUB	Mono 4
## AACTCTTCAGTCAGAG.1_6	YUFUB	CD4T 5
## AACTCTTGTACACCGC.1_6	YUFUB	NK 3
## AACTCTTGTAGGCATG.1_6	YUFUB	Mono 2
## AACTCTTGTCACTGGC.1_6	YUFUB	CD4T 7
## AACTCTTGTGCACTAT.1_6	YUFUB	CD4T 7
## AACTCTTGTCTCCACTC.1_6	YUFUB	NK 1
## AACTCTTTCCCAACGG.1_6	YUFUB	Mono 4
## AACTCTTTCTCCTAG.1_6	YUFUB	B 1
## AACTGGTCAAGCTGTT.1_6	YUFUB	CD4T 3
## AACTGGTCAATGGACG.1_6	YUFUB	B 1
## AACTGGTCAATTGCTG.1_6	YUFUB	B 2
## AACTGGTCAGACGCTC.1_6	YUFUB	CD8T 1
## AACTGGTGTACGCTGC.1_6	YUFUB	Mono 3
## AACTGGTGTCCCGACA.1_6	YUFUB	Mono 4
## AACTGGTGTCTGCCAG.1_6	YUFUB	CD8T 1
## AACTGGTTCTGAGTGT.1_6	YUFUB	B 1
## AACTGGTTCTGATTCT.1_6	YUFUB	CD8T 2
## AACTGGTTCTTTAGGG.1_6	YUFUB	TNKT 2
## AACTTTTCAGACCCACC.1_6	YUFUB	Mono 4
## AACTTTTCAGCCAACAG.1_6	YUFUB	B 1
## AACTTTTCAGTCAAGCG.1_6	YUFUB	B 2
## AACTTTTCGTCGGCTCA.1_6	YUFUB	Mono 4
## AACTTTTCGTTAGCTG.1_6	YUFUB	Mono 3
## AACTTTCTCACCATAG.1_6	YUFUB	Mono 4

## AAGACCTAGAGTAATC.1_6	YUFUB	CD8T 2
## AAGACCTAGCCACGTC.1_6	YUFUB	Mono 3
## AAGACCTCAGGTCTCG.1_6	YUFUB	Mono 7
## AAGACCTGTACCCAAT.1_6	YUFUB	Mono 5
## AAGACCTGTCCGACA.1_6	YUFUB	TNKT 1
## AAGACCTGTCCGAACC.1_6	YUFUB	Mono 4
## AAGACCTTCAGCGATT.1_6	YUFUB	NK 4
## AAGACCTTCAGTCCCT.1_6	YUFUB	NK 3
## AAGCCGCAGCTAACAA.1_6	YUFUB	Mono 4
## AAGCCGCAGTACCGGA.1_6	YUFUB	NK 4
## AAGCCGCCAAGTTAAG.1_6	YUFUB	Mono 8
## AAGCCGCCAGGCAGTA.1_6	YUFUB	B 2
## AAGCCGCTCCATGAAC.1_6	YUFUB	CD4T 7
## AAGCCGCTCGCACTCT.1_6	YUFUB	CD4T 7
## AAGCCGCTCTAAGCCA.1_6	YUFUB	NK 2
## AAGGAGCAGCGTTTAC.1_6	YUFUB	B 1
## AAGGAGCAGTCTTGCA.1_6	YUFUB	B 1
## AAGGAGCAGTTGTCTG.1_6	YUFUB	B 2
## AAGGCAGAGAACAATC.1_6	YUFUB	Mono 3
## AAGGCAGAGAAGAAGC.1_6	YUFUB	B 3
## AAGGCAGAGCACAGGT.1_6	YUFUB	B 2
## AAGGCAGAGCACCGTC.1_6	YUFUB	Mono 2
## AAGGCAGAGTGCCAGA.1_6	YUFUB	TNKT 1
## AAGGCAGCATTCTTAC.1_6	YUFUB	CD4T 1
## AAGGCAGGTCTTGATG.1_6	YUFUB	Mono 7
## AAGGCAGTCAACACGT.1_6	YUFUB	Mono 3
## AAGGCAGTCAGTTGAC.1_6	YUFUB	Mono 1
## AAGGCAGTCCGTAGTA.1_6	YUFUB	B 1
## AAGGCAGTCTGCCCTA.1_6	YUFUB	B 2
## AAGGTTTCAGCTGTTCA.1_6	YUFUB	NK 4
## AAGGTTTCAGTGCAAGC.1_6	YUFUB	NK 3
## AAGGTTCCACCATCCT.1_6	YUFUB	CD4T 3
## AAGGTTCCAGGTCCAC.1_6	YUFUB	B 3
## AAGGTTCTCAACACAC.1_6	YUFUB	Mono 4
## AAGGTTCTCAATACCG.1_6	YUFUB	CD8T 2
## AAGGTTCTCGTTGCCT.1_6	YUFUB	CD4T 2
## AAGGTTCTCTAACTTC.1_6	YUFUB	Mono 4
## AAGTCTGAGGACTGGT.1_6	YUFUB	Mono 8
## AAGTCTGCATCGGACC.1_6	YUFUB	Mono 5
## AAGTCTGGTCTCCCTA.1_6	YUFUB	Mono 7
## AAGTCTGGTTTAAGCC.1_6	YUFUB	Mono 2
## AATCCAGCAAACCTGCT.1_6	YUFUB	B 3
## AATCCAGCAAGAAGAG.1_6	YUFUB	TNKT 1
## AATCCAGTCAACACAC.1_6	YUFUB	TNKT 1
## AATCCAGTCTGGTTCC.1_6	YUFUB	Mono 5
## AATCGGTAGACAGAGA.1_6	YUFUB	Mono 7
## AATCGGTCAATGGAAT.1_6	YUFUB	NK 4
## AATCGGTCAACGAAAG.1_6	YUFUB	CD4T 2
## AATCGGTCAGCCTGTG.1_6	YUFUB	Mono 4
## AATCGGTCAATGGGACA.1_6	YUFUB	B 2
## AATCGGTTCAGCTCGG.1_6	YUFUB	TNKT 1
## ACACCAAAGCTCAACT.1_6	YUFUB	Mono 8
## ACACCAAAGGGCTTCC.1_6	YUFUB	Mono 8
## ACACCAACAATAGAGT.1_6	YUFUB	Mono 3

## ACACCAACACATGGGA.1_6	YUFUB	B 3
## ACACCAACATGTAGTC.1_6	YUFUB	CD4T 7
## ACACCAAGTCAATACC.1_6	YUFUB	CD8T 2
## ACACCAATCAAACAAG.1_6	YUFUB	Mono 2
## ACACCAATCTAAGCCA.1_6	YUFUB	Mono 3
## ACACCCTAGCTCCTCT.1_6	YUFUB	TNKT 2
## ACACCCTAGGCTCATT.1_6	YUFUB	B 3
## ACACCCTCAAGCGTAG.1_6	YUFUB	Mono 9
## ACACCCTGTAGAAGGA.1_6	YUFUB	B 2
## ACACCCTGTGTGACCC.1_6	YUFUB	TNKT 1
## ACACCCTGTTGTCTTT.1_6	YUFUB	Mono 3
## ACACCCTTCATATCGG.1_6	YUFUB	Mono 2
## ACACCCTTCTGGGCCA.1_6	YUFUB	CD4T 3
## ACACCGGAGACACTAA.1_6	YUFUB	B 2
## ACACCGGAGAGTGACC.1_6	YUFUB	NK 1
## ACACCGGAGCAGACTG.1_6	YUFUB	NK 1
## ACACCGGAGGACAGCT.1_6	YUFUB	B 3
## ACACCGGCACACCGAC.1_6	YUFUB	Mono 4
## ACACCGGCATCCTTGC.1_6	YUFUB	B 2
## ACACCGGGTCTCCCTA.1_6	YUFUB	Mono 3
## ACACCGGGTGTGAAAT.1_6	YUFUB	B 3
## ACACCGGGTTCGGGCT.1_6	YUFUB	Mono 7
## ACACCGGTCACCGGGT.1_6	YUFUB	Mono 4
## ACACCGGTCGTATCAG.1_6	YUFUB	B 2
## ACACCGGTCGTTACAG.1_6	YUFUB	Mono 3
## AACTGAAGAAACCTA.1_6	YUFUB	B 2
## AACTGAAGGACCACA.1_6	YUFUB	Mono 8
## AACTGAAGGAGTAGA.1_6	YUFUB	CD4T 1
## AACTGAAGGGATGGG.1_6	YUFUB	B 2
## AACTGACAGTGGGAT.1_6	YUFUB	TNKT 2
## AACTGAGTAAGGGAA.1_6	YUFUB	Mono 1
## AACTGAGTAAGTGGC.1_6	YUFUB	Mono 7
## AACTGAGTACAGACG.1_6	YUFUB	B 1
## ACAGCCGAGGAATTAC.1_6	YUFUB	CD8T 2
## ACAGCCGCAATCAGAA.1_6	YUFUB	Mono 4
## ACAGCCGCAGGTCGTC.1_6	YUFUB	NK 2
## ACAGCCGCATCATCCC.1_6	YUFUB	NK 1
## ACAGCCGTCAACACAC.1_6	YUFUB	NK 1
## ACAGCCGTCACGACTA.1_6	YUFUB	B 6
## ACAGCCGTCCAACCAA.1_6	YUFUB	NK 2
## ACAGCTACAGGGCATA.1_6	YUFUB	CD4T 1
## ACAGCTATCATTGCGA.1_6	YUFUB	Mono 5
## ACAGCTATCGGCGCTA.1_6	YUFUB	Mono 1
## ACAGCTATCTATCGCC.1_6	YUFUB	Mono 3
## ACATACGAGGCCCTCA.1_6	YUFUB	Mono 3
## ACATACGAGTGAAGAG.1_6	YUFUB	CD4T 1
## ACATACGCACAGCGTC.1_6	YUFUB	CD4T 3
## ACATACGCAGGGTTAG.1_6	YUFUB	Mono 3
## ACATACGGTGATGTCT.1_6	YUFUB	NK 3
## ACATACGTGCGCCCTTA.1_6	YUFUB	B 2
## ACATCAGCAGCCAATT.1_6	YUFUB	NK 4
## ACATCAGGTATCACCA.1_6	YUFUB	B 2
## ACATCAGGTGAAAGAG.1_6	YUFUB	Mono 3
## ACATCAGGTGTTGAGG.1_6	YUFUB	Mono 3

## ACATCAGGTTAGGGTG.1_6	YUFUB	CD4T 4
## ACATCAGTCAGTGCAT.1_6	YUFUB	B 1
## ACATCAGTCGGACAAG.1_6	YUFUB	NK 2
## ACATCAGTCGTCCGTT.1_6	YUFUB	B 2
## ACATGGTCAAGCGATG.1_6	YUFUB	TNKT 1
## ACATGGTCAGTTCATG.1_6	YUFUB	Mono 7
## ACATGGTCATACTACG.1_6	YUFUB	NK 4
## ACATGGTGTCCATCCT.1_6	YUFUB	TNKT 1
## ACATGGTGTCTGATCA.1_6	YUFUB	B 3
## ACATGGTGTGCGTTA.1_6	YUFUB	Mono 5
## ACATGGTTCAGCTCGG.1_6	YUFUB	Mono 1
## ACATGGTTCATTGCCC.1_6	YUFUB	B 2
## ACATGGTTCCAAATGC.1_6	YUFUB	B 3
## ACATGGTTCTCTGAGA.1_6	YUFUB	TNKT 2
## ACCAGTAAGCACACAG.1_6	YUFUB	CD4T 6
## ACCAGTAAGGCTCTTA.1_6	YUFUB	B 1
## ACCAGTACACCCATTC.1_6	YUFUB	TNKT 1
## ACCAGTACATACAGCT.1_6	YUFUB	CD4T 2
## ACCAGTATCTGGCGAC.1_6	YUFUB	B 3
## ACCCACTAGATGTAAC.1_6	YUFUB	CD4T 3
## ACCCACTAGGCAGGTT.1_6	YUFUB	Mono 8
## ACCCACTCAAATTGCC.1_6	YUFUB	Mono 4
## ACCCACTCACGCATCG.1_6	YUFUB	CD4T 3
## ACCCACTGTAGCGTGA.1_6	YUFUB	Mono 4
## ACCCACTGTGGGTCAA.1_6	YUFUB	B 2
## ACCCACTTCCACTCCA.1_6	YUFUB	CD4T 1
## ACCGTAAAGACCCACC.1_6	YUFUB	NK 1
## ACCGTAAAGTACGCGA.1_6	YUFUB	Mono 3
## ACCGTAAACAATAAGCA.1_6	YUFUB	B 1
## ACCGTAAAGTCTCCCTA.1_6	YUFUB	CD8T 1
## ACCTTTAAGAATCTCC.1_6	YUFUB	TNKT 1
## ACCTTTAAGTGACTCT.1_6	YUFUB	B 3
## ACCTTTAGTGTGCCTG.1_6	YUFUB	Mono 7
## ACCTTTATCTCGCTTG.1_6	YUFUB	Mono 7
## ACGAGCCAGAGTCTGG.1_6	YUFUB	CD4T 2
## ACGAGCCAGGAGCGTT.1_6	YUFUB	Mono 8
## ACGAGCCAGTACTTGC.1_6	YUFUB	Mono 9
## ACGAGCCCAAAGTGCG.1_6	YUFUB	Mono 3
## ACGAGCCCAATCTGCA.1_6	YUFUB	CD4T 7
## ACGAGCCCATCACCT.1_6	YUFUB	CD4T 7
## ACGAGCCCATGGTCTA.1_6	YUFUB	CD4T 1
## ACGAGCCGTCGCTTTC.1_6	YUFUB	Mono 2
## ACGAGCCGTGATGCCC.1_6	YUFUB	CD4T 4
## ACGAGCCGTTAGAACA.1_6	YUFUB	Mono 8
## ACGAGCCGTTAGGGTG.1_6	YUFUB	B 2
## ACGAGCCTCGCAAGCC.1_6	YUFUB	CD4T 4
## ACGAGGACATGGGACA.1_6	YUFUB	CD8T 1
## ACGAGGAGTACCGCTG.1_6	YUFUB	NK 2
## ACGAGGAGTCTACCTC.1_6	YUFUB	NK 4
## ACGAGGATCAAACGGG.1_6	YUFUB	B 1
## ACGAGGATCCAGTAGT.1_6	YUFUB	Mono 7
## ACGAGGATCGAATGCT.1_6	YUFUB	Mono 9
## ACGATACGTATGCTTG.1_6	YUFUB	CD4T 5
## ACGATACGTTCAGCGC.1_6	YUFUB	CD8T 2

##	ACGATACTCAGTCAGT.1_6	YUFUB	Mono 4
##	ACGATGTAGCCCAGCT.1_6	YUFUB	B 6
##	ACGATGTAGGCTCTTA.1_6	YUFUB	Mono 7
##	ACGATGTAGTGGTAGC.1_6	YUFUB	Mono 8
##	ACGATGTCAGTTCCT.1_6	YUFUB	B 1
##	ACGATGTCATAGAAAC.1_6	YUFUB	B 3
##	ACGATGTGTATGAAAC.1_6	YUFUB	Mono 2
##	ACGATGTTCAAGTTCGA.1_6	YUFUB	B 3
##	ACGCAGCAGATCACGG.1_6	YUFUB	Mono 8
##	ACGCAGCAGGATGCGT.1_6	YUFUB	CD4T 1
##	ACGCAGCCACCATCCT.1_6	YUFUB	NK 1
##	ACGCAGCGTTCGTTGA.1_6	YUFUB	Mono 9
##	ACGCAGCGTTGGGACA.1_6	YUFUB	Mono 2
##	ACGCAGCTCGAATGGG.1_6	YUFUB	Mono 3
##	ACGCCAGAGATGTAAC.1_6	YUFUB	Mono 4
##	ACGCCAGAGTGCCAGA.1_6	YUFUB	B 2
##	ACGCCAGCAAGACACG.1_6	YUFUB	Mono 2
##	ACGCCAGCACACATGT.1_6	YUFUB	Mono 1
##	ACGCCAGTCATACGGT.1_6	YUFUB	CD4T 4
##	ACGCCGAAGGTTACCT.1_6	YUFUB	NK 1
##	ACGCCGACAAGTCTGT.1_6	YUFUB	CD8T 2
##	ACGCCGACAATGGAAT.1_6	YUFUB	CD4T 7
##	ACGCCGACAGATGAGC.1_6	YUFUB	Mono 1
##	ACGCCGACATCGTCGG.1_6	YUFUB	Mono 3
##	ACGCCGAGTGTGCCTG.1_6	YUFUB	Mono 3
##	ACGCCGATCAGTGTTG.1_6	YUFUB	CD4T 2
##	ACGCCGATCGTAGGTT.1_6	YUFUB	CD4T 6
##	ACGGAGAAGAAGATTC.1_6	YUFUB	CD4T 2
##	ACGGAGAAGATCTGCT.1_6	YUFUB	Mono 1
##	ACGGAGACAGGTGCCT.1_6	YUFUB	Mono 3
##	ACGGAGAGTATCAGTC.1_6	YUFUB	B 1
##	ACGGCCAAGACACTAA.1_6	YUFUB	B 2
##	ACGGCCAGTACCAGTT.1_6	YUFUB	Mono 5
##	ACGGCCATCAGGTTCA.1_6	YUFUB	NK 3
##	ACGGCCATCCAGTATG.1_6	YUFUB	CD4T 1
##	ACGGGCTAGAACAAC.1_6	YUFUB	Mono 7
##	ACGGGCTAGAGGTTGC.1_6	YUFUB	CD4T 2
##	ACGGGCTCAACGATCT.1_6	YUFUB	Mono 4
##	ACGGGCTCAATCAGAA.1_6	YUFUB	B 3
##	ACGGGCTCACCGTTGG.1_6	YUFUB	Mono 3
##	ACGGGCTGTCGATTGT.1_6	YUFUB	CD4T 1
##	ACGGGCTTCACCATAG.1_6	YUFUB	B 1
##	ACGGGCTTCCCTAACC.1_6	YUFUB	B 1
##	ACGGGTACGCGTGAAC.1_6	YUFUB	Mono 7
##	ACGGGTCCAAGGACTG.1_6	YUFUB	Mono 8
##	ACGGGTCCACCGAAAG.1_6	YUFUB	CD4T 3
##	ACGGGTCCAGCGATCC.1_6	YUFUB	Mono 3
##	ACGGGTCCATCACGAT.1_6	YUFUB	Mono 3
##	ACGGGTCTCATATCGG.1_6	YUFUB	Mono 3
##	ACGTCAAAGTCAATAG.1_6	YUFUB	NK 1
##	ACGTCAATCCAACCAA.1_6	YUFUB	Mono 4
##	ACGTCAATCGCAAGCC.1_6	YUFUB	NK 1
##	ACTATCTCAAGCCCAC.1_6	YUFUB	CD4T 1
##	ACTATCTCAGACACTT.1_6	YUFUB	Mono 5

## ACTATCTGTACTTAGC.1_6	YUFUB	Mono 8
## ACTATCTGTAGTACCT.1_6	YUFUB	Mono 3
## ACTATCTGTCATTAGC.1_6	YUFUB	CD4T 5
## ACTATCTGTCCAGTGC.1_6	YUFUB	NK 1
## ACTATCTTCAAGGTAA.1_6	YUFUB	Mono 1
## ACTATCTTCGCTAGCG.1_6	YUFUB	CD4T 7
## ACTGAACCAGTCACTA.1_6	YUFUB	CD4T 1
## ACTGAACCATTTGCCC.1_6	YUFUB	Mono 1
## ACTGAACGTAGATTAG.1_6	YUFUB	Mono 9
## ACTGAACGTGATAAGT.1_6	YUFUB	B 2
## ACTGAACGTTTGGCGC.1_6	YUFUB	Mono 7
## ACTGAACTCATGCTCC.1_6	YUFUB	Mono 8
## ACTGAACTCCAAGCCG.1_6	YUFUB	Mono 4
## ACTGAACTCCACTGGG.1_6	YUFUB	NK 1
## ACTGAGTCATCCTAGA.1_6	YUFUB	CD4T 3
## ACTGAGTGTGCACTTA.1_6	YUFUB	TNKT 1
## ACTGAGTGTGTTGAGG.1_6	YUFUB	NK 4
## ACTGATGAGTTAAGTG.1_6	YUFUB	Mono 1
## ACTGATGGTCAGTGGA.1_6	YUFUB	Mono 3
## ACTGATGGTCATATCG.1_6	YUFUB	Mono 4
## ACTGATGGTTCCGGCA.1_6	YUFUB	Mono 5
## ACTGATGTGCGATGAT.1_6	YUFUB	CD4T 2
## ACTGCTCAGCTGCGAA.1_6	YUFUB	NK 2
## ACTGCTCCAAGCTGGA.1_6	YUFUB	TNKT 1
## ACTGCTCCACGGTAAG.1_6	YUFUB	Mono 1
## ACTGCTCGTAGGGACT.1_6	YUFUB	Mono 4
## ACTGCTCGTCAATGTC.1_6	YUFUB	Mono 2
## ACTGCTCGTCACCTAA.1_6	YUFUB	Mono 7
## ACTGCTCGTCTCGTTC.1_6	YUFUB	B 2
## ACTGCTCTCAAGCCTA.1_6	YUFUB	NK 1
## ACTGTCCAGCCACGTC.1_6	YUFUB	Mono 7
## ACTGTCCAGTACGTTC.1_6	YUFUB	Mono 4
## ACTGTCCCACCGAAAG.1_6	YUFUB	B 2
## ACTGTCCCAGGTGCCT.1_6	YUFUB	B 3
## ACTGTCCGTCCGCTGA.1_6	YUFUB	Mono 3
## ACTGTCCGTCTTTTCAT.1_6	YUFUB	Mono 4
## ACTGTCCGTGAACCTT.1_6	YUFUB	CD4T 4
## ACTGTCCGTTCAACCA.1_6	YUFUB	Mono 9
## ACTGTCCCTCACGCAG.1_6	YUFUB	CD4T 4
## ACTTACTAGAAACCGC.1_6	YUFUB	Mono 5
## ACTTACTAGCTCAACT.1_6	YUFUB	NK 1
## ACTTACTCAGCTGCAC.1_6	YUFUB	B 2
## ACTTACTCATATACGC.1_6	YUFUB	NK 4
## ACTTACTGTACCATCA.1_6	YUFUB	NK 3
## ACTTACTGTTCTGAAC.1_6	YUFUB	CD4T 1
## ACTTACTTCACAGGCC.1_6	YUFUB	B 1
## ACTTGTTAGAGTACAT.1_6	YUFUB	CD4T 3
## ACTTGTTTCATCCCATC.1_6	YUFUB	B 2
## ACTTGTTTTCGTTACGA.1_6	YUFUB	CD4T 6
## ACTTGTTTCTGAGTGT.1_6	YUFUB	CD4T 4
## ACTTGTTTCTGGGCCA.1_6	YUFUB	Mono 2
## ACTTTCACAAAGCGGT.1_6	YUFUB	B 1
## ACTTTCACAAGTCTAC.1_6	YUFUB	Mono 4
## ACTTTCACATGCCTAA.1_6	YUFUB	CD4T 4

## ACTTTCACATTCTCG.1_6	YUFUB	Mono 8
## ACTTTCAGTCGACTAT.1_6	YUFUB	Mono 8
## ACTTTCATCTGCCCTA.1_6	YUFUB	B 3
## ACTTTCATCTTACCGC.1_6	YUFUB	Mono 2
## AGAATAGCACTGAAGG.1_6	YUFUB	Mono 2
## AGAATAGGTGTAATGA.1_6	YUFUB	CD8T 3
## AGAATAGTCACTTCAT.1_6	YUFUB	CD4T 6
## AGAATAGTCAGGCAAG.1_6	YUFUB	B 2
## AGACGTTAGCAGATCG.1_6	YUFUB	B 3
## AGAGCGACAATAGCAA.1_6	YUFUB	Mono 4
## AGAGCGACACATAACC.1_6	YUFUB	B 2
## AGAGCTTCAAACCCAT.1_6	YUFUB	Mono 3
## AGAGCTTCAAGGACAC.1_6	YUFUB	B 1
## AGAGCTTCAGACGCTC.1_6	YUFUB	CD4T 2
## AGAGCTTGTAAGGGCT.1_6	YUFUB	NK 4
## AGAGCTTGTCATACC.1_6	YUFUB	Mono 5
## AGAGCTTGTCCTGAATT.1_6	YUFUB	TNKT 1
## AGAGCTTGCTGGAGA.1_6	YUFUB	Mono 4
## AGAGCTTGTTGGTTTG.1_6	YUFUB	CD4T 3
## AGAGCTTTCTACTCAT.1_6	YUFUB	NK 3
## AGAGTGGCAATAGAGT.1_6	YUFUB	Mono 9
## AGAGTGGCACCGAAAG.1_6	YUFUB	TNKT 1
## AGAGTGGGTAAGAGAG.1_6	YUFUB	Mono 1
## AGAGTGGGTCGCTTTC.1_6	YUFUB	Mono 7
## AGAGTGGGTGAGGGAG.1_6	YUFUB	CD4T 3
## AGAGTGGTCAACCATG.1_6	YUFUB	CD4T 1
## AGAGTGGTCTACTTAC.1_6	YUFUB	CD8T 3
## AGATCTGCAGACGCTC.1_6	YUFUB	Mono 1
## AGATCTGGTTGAACTC.1_6	YUFUB	Mono 5
## AGATTGCAGAAACCAT.1_6	YUFUB	Mono 2
## AGATTGCAGAGTGAGA.1_6	YUFUB	CD8T 2
## AGATTGCAGTAAGTAC.1_6	YUFUB	Mono 7
## AGATTGCAGTGTTCG.1_6	YUFUB	NK 1
## AGATTGCAGTTACGGG.1_6	YUFUB	Mono 7
## AGATTGCAGTTTAGGA.1_6	YUFUB	B 2
## AGATTGCCACCCATTC.1_6	YUFUB	Mono 4
## AGATTGCCATCGACGC.1_6	YUFUB	TNKT 2
## AGATTGCCATGTCGAT.1_6	YUFUB	CD4T 2
## AGATTGCGTCTCCCTA.1_6	YUFUB	CD4T 3
## AGATTGCGTGCAGTAG.1_6	YUFUB	Mono 7
## AGATTGCTCCACTCCA.1_6	YUFUB	NK 3
## AGATTGCTCCGGCACA.1_6	YUFUB	Mono 2
## AGATTGCTCGTTACAG.1_6	YUFUB	Mono 9
## AGCAGCCAGCGATATA.1_6	YUFUB	TNKT 1
## AGCAGCCAGGAACTGC.1_6	YUFUB	CD8T 2
## AGCAGCCAGAGCCAA.1_6	YUFUB	Mono 5
## AGCAGCCTCAGCTTAG.1_6	YUFUB	Mono 5
## AGCATACAGAGCTGGT.1_6	YUFUB	CD8T 3
## AGCATACAGCTGGAAC.1_6	YUFUB	Mono 4
## AGCATACAGGGCTTCC.1_6	YUFUB	B 3
## AGCATACGTCAATACC.1_6	YUFUB	CD4T 7
## AGCATACGTGTTAAGA.1_6	YUFUB	Mono 4
## AGCCTAAAGGCGTACA.1_6	YUFUB	Mono 5
## AGCCTAACACAGGCCT.1_6	YUFUB	TNKT 1

## AGCCTAACAGAGCCAA.1_6	YUFUB	CD4T 3
## AGCCTAAGTACGACCC.1_6	YUFUB	B 1
## AGCCTAAGTTCCCGAG.1_6	YUFUB	B 1
## AGCCTAATCCGAAGAG.1_6	YUFUB	Mono 8
## AGCGGTCAGGCCCTTG.1_6	YUFUB	Mono 2
## AGCGGTCCCACTGCG.1_6	YUFUB	Mono 3
## AGCGGTCCATTACCTT.1_6	YUFUB	CD4T 1
## AGCGGTTCGTAATACG.1_6	YUFUB	CD8T 2
## AGCGGTTCGTACAGCAG.1_6	YUFUB	Mono 2
## AGCGGTTCGTTGAACTC.1_6	YUFUB	CD4T 2
## AGCGGTCTCTATCGCC.1_6	YUFUB	B 1
## AGCGTATCACAGGCCT.1_6	YUFUB	NK 1
## AGCGTATCATCGATGT.1_6	YUFUB	CD4T 5
## AGCGTATGTGGACGAT.1_6	YUFUB	Mono 2
## AGCGTATGTTAGGGTG.1_6	YUFUB	CD4T 2
## AGCGTATTCCTGCTTG.1_6	YUFUB	NK 1
## AGCGTATTCGCGATCG.1_6	YUFUB	Mono 1
## AGCGTCGCATCGACGC.1_6	YUFUB	CD4T 3
## AGCTCCTCACAACGT.1_6	YUFUB	Mono 3
## AGCTCCTCACCCATGG.1_6	YUFUB	Mono 2
## AGCTCCTCAGTCAGAG.1_6	YUFUB	CD8T 2
## AGCTCCTTCAATCTCT.1_6	YUFUB	B 2
## AGCTCCTTCCTGTAGA.1_6	YUFUB	NK 1
## AGCTCTCCAGTTCCTT.1_6	YUFUB	CD4T 3
## AGCTCTCCATCACAAAC.1_6	YUFUB	B 3
## AGCTCTCCATCACCTT.1_6	YUFUB	Mono 2
## AGCTCTCCATGTCGAT.1_6	YUFUB	NK 1
## AGCTCTCGTACAGACG.1_6	YUFUB	Mono 1
## AGCTCTCTCCGAACGC.1_6	YUFUB	Mono 3
## AGCTCTCTCTCTAAGG.1_6	YUFUB	B 2
## AGCTCTCTCTGTTCC.1_6	YUFUB	CD4T 1
## AGCTTGACAAGCTGGA.1_6	YUFUB	Mono 9
## AGCTTGACAATAGAGT.1_6	YUFUB	CD4T 7
## AGCTTGACACAGACTT.1_6	YUFUB	B 3
## AGCTTGAGTAAAGTCA.1_6	YUFUB	B 2
## AGCTTGAGTACAAGTA.1_6	YUFUB	CD4T 1
## AGCTTGAGTACCATCA.1_6	YUFUB	CD4T 2
## AGCTTGATCCTGCAGG.1_6	YUFUB	B 3
## AGCTTGATCGGAAACG.1_6	YUFUB	Mono 7
## AGGCCACAGAGACGAA.1_6	YUFUB	NK 2
## AGGCCACCACCTCGTT.1_6	YUFUB	CD4T 1
## AGGCCACTCCTGCAGG.1_6	YUFUB	NK 2
## AGGCCGTAGATCTGCT.1_6	YUFUB	CD4T 3
## AGGCCGTACGGCGTT.1_6	YUFUB	CD4T 5
## AGGCCGTGTAATCGTC.1_6	YUFUB	B 2
## AGGCCGTGTGCCTTGG.1_6	YUFUB	B 3
## AGGCCGTTCAAGCCTA.1_6	YUFUB	CD8T 1
## AGGCCGTTCTCTTATG.1_6	YUFUB	B 1
## AGGCCGTTCTCTTATG.1_6	YUFUB	Mono 5
## AGGGAGTAGAGCCCAA.1_6	YUFUB	CD4T 4
## AGGGAGTAGGAGTCTG.1_6	YUFUB	CD4T 1
## AGGGAGTAGGCAAAGA.1_6	YUFUB	B 3
## AGGGAGTAGGCATGGT.1_6	YUFUB	CD4T 2
## AGGGAGTCAAGCGCTC.1_6	YUFUB	TNKT 1

## AGGGAGTCATCTATGG.1_6	YUFUB	B 2
## AGGGAGTGTCCCTACT.1_6	YUFUB	CD4T 1
## AGGGAGTGTGGTCTCG.1_6	YUFUB	Mono 3
## AGGGATGAGGTGTTAA.1_6	YUFUB	Mono 8
## AGGGATGCACAGTCGC.1_6	YUFUB	NK 1
## AGGGATGGTCCCTACT.1_6	YUFUB	B 2
## AGGGATGTCTGCTGTC.1_6	YUFUB	Mono 1
## AGGGTGAAGGATGCGT.1_6	YUFUB	B 1
## AGGGTGAAGGCATGGT.1_6	YUFUB	TNKT 1
## AGGGTGACATCCCATC.1_6	YUFUB	Mono 3
## AGGGTGAGTACACCGC.1_6	YUFUB	Mono 5
## AGGGTGAGTCTCTCTG.1_6	YUFUB	B 5
## AGGGTGAGTCTTGATG.1_6	YUFUB	Mono 5
## AGGGTGAGTTAAGATG.1_6	YUFUB	Mono 9
## AGGGTGATCGGCGGTT.1_6	YUFUB	CD4T 7
## AGGTCATCACAGCGTC.1_6	YUFUB	CD4T 7
## AGGTCATCAGCTCCGA.1_6	YUFUB	Mono 8
## AGGTCATCATTCGACA.1_6	YUFUB	NK 1
## AGGTCATGTCGATTGT.1_6	YUFUB	CD4T 3
## AGGTCATTACAAAACC.1_6	YUFUB	Mono 3
## AGGTCATTCTGCAAGT.1_6	YUFUB	B 1
## AGGTCCGCACAAGCCC.1_6	YUFUB	B 3
## AGGTCCGCACACAGAG.1_6	YUFUB	NK 3
## AGGTCCGCAGAGTGTG.1_6	YUFUB	Mono 2
## AGGTCCGGTAGATTAG.1_6	YUFUB	NK 1
## AGTAGTCCACTATCTT.1_6	YUFUB	CD4T 2
## AGTAGTCGTGAAGGCT.1_6	YUFUB	Mono 8
## AGTAGTCGTGCACGAA.1_6	YUFUB	Mono 4
## AGTAGTCGTTCCCTTG.1_6	YUFUB	CD4T 1
## AGTAGTCTCCGCGGTA.1_6	YUFUB	NK 1
## AGTAGTCTCGTTGCCT.1_6	YUFUB	Mono 8
## AGTAGTCTCTATCCCG.1_6	YUFUB	Mono 5
## AGTCTTTCACCCATGG.1_6	YUFUB	B 1
## AGTCTTTGTAGGGTAC.1_6	YUFUB	B 2
## AGTCTTTGTGGCAAAC.1_6	YUFUB	CD4T 3
## AGTCTTTGTTCGTCTC.1_6	YUFUB	CD4T 2
## AGTCTTTGTGGAGGT.1_6	YUFUB	Mono 1
## AGTCTTTGTTAGCTG.1_6	YUFUB	CD4T 2
## AGTCTTTTCCTAGGGC.1_6	YUFUB	Mono 3
## AGTGAGGAGGCCGAAT.1_6	YUFUB	Mono 7
## AGTGAGGCAAGAAAGG.1_6	YUFUB	CD4T 1
## AGTGAGGCATCGATGT.1_6	YUFUB	Mono 9
## AGTGAGGGTTCAGGCC.1_6	YUFUB	CD4T 7
## AGTGAGGTGCGGTTTC.1_6	YUFUB	NK 4
## AGTGGGACACACGCTG.1_6	YUFUB	B 1
## AGTGGGACATGACGGA.1_6	YUFUB	B 3
## AGTGGGAGTCTTGATG.1_6	YUFUB	CD4T 1
## AGTGGGAGTTACGCGC.1_6	YUFUB	CD4T 5
## AGTGGGATCAACCAAC.1_6	YUFUB	Mono 3
## AGTGGGATCCGTTGCT.1_6	YUFUB	TNKT 2
## AGTGGGATCTGATACG.1_6	YUFUB	Mono 5
## AGTGTCAAGCCTATGT.1_6	YUFUB	Mono 8
## AGTGTCAAGTATGACA.1_6	YUFUB	B 2
## AGTGTCAGTCTCTTAT.1_6	YUFUB	Mono 3

## AGTGTCCATCCAGAGGA.1_6	YUFUB	TNKT 1
## AGTGTCCATCCTTCAAT.1_6	YUFUB	Mono 2
## AGTGTCCATCTGAGTGT.1_6	YUFUB	NK 4
## AGTGTCCATCTGCAAGT.1_6	YUFUB	B 3
## AGTTGGTCCAGTAAGAT.1_6	YUFUB	NK 2
## AGTTGGTCCACAACGT.1_6	YUFUB	Mono 7
## AGTTGGTCCGAAGAG.1_6	YUFUB	B 2
## AGTTGGTCCGGTGTTA.1_6	YUFUB	Mono 3
## AGTTGGTCTCCTATA.1_6	YUFUB	TNKT 2
## ATAACGCCAGATCCTGT.1_6	YUFUB	NK 1
## ATAACGCCACCGAAAG.1_6	YUFUB	B 2
## ATAACGCCAGAAGCAC.1_6	YUFUB	B 2
## ATAACGCGTAGCGATG.1_6	YUFUB	Mono 8
## ATAACGCTCGGCATCG.1_6	YUFUB	B 3
## ATAAGAGAGACGCACA.1_6	YUFUB	Mono 3
## ATAAGAGAGCAGACTG.1_6	YUFUB	CD4T 1
## ATAAGAGAGTTCGATC.1_6	YUFUB	Mono 5
## ATAAGAGCAAGTTAAG.1_6	YUFUB	Mono 1
## ATAAGAGCACGCTTTC.1_6	YUFUB	NK 2
## ATAAGAGCACGGTAGA.1_6	YUFUB	Mono 5
## ATAAGAGGTAATAGCA.1_6	YUFUB	Mono 3
## ATAAGAGTCGGCCGAT.1_6	YUFUB	Mono 2
## ATAGACCCAGGAACGT.1_6	YUFUB	TNKT 1
## ATAGACCCATTTGCTT.1_6	YUFUB	B 1
## ATAGACCTCTTGTA.1_6	YUFUB	Mono 3
## ATCACGAAGGTAGCCA.1_6	YUFUB	Mono 5
## ATCACGAAGTATCTCG.1_6	YUFUB	B 3
## ATCACGACACCACGTG.1_6	YUFUB	CD4T 2
## ATCACGACAGGATCGA.1_6	YUFUB	CD4T 2
## ATCACGAGTGTAAACGG.1_6	YUFUB	NK 2
## ATCACGATCAGGTTCA.1_6	YUFUB	B 3
## ATCATCTCAGCATGAG.1_6	YUFUB	Mono 4
## ATCATCTCAGCTCGAC.1_6	YUFUB	Mono 9
## ATCATCTGTAATCGTC.1_6	YUFUB	TNKT 1
## ATCATCTTCAGGCGAA.1_6	YUFUB	Mono 5
## ATCATCTTCGCCTGAG.1_6	YUFUB	CD4T 5
## ATCATCTTCTTAACCT.1_6	YUFUB	CD4T 4
## ATCATGGCAATTCCTT.1_6	YUFUB	Mono 4
## ATCATGGCACGGACAA.1_6	YUFUB	Mono 8
## ATCCACCAGAAGGGTA.1_6	YUFUB	CD8T 1
## ATCCACCCACTTGGAT.1_6	YUFUB	CD4T 1
## ATCCACCCAGCGAACA.1_6	YUFUB	NK 4
## ATCCACCGTAAAGTCA.1_6	YUFUB	Mono 4
## ATCCACCGTAGATTAG.1_6	YUFUB	CD4T 3
## ATCCACCGTCGACTGC.1_6	YUFUB	Mono 1
## ATCCACCGTCTAGCCG.1_6	YUFUB	B 1
## ATCCACCTCTAAGCCA.1_6	YUFUB	NK 3
## ATCCGAAAGGTGATAT.1_6	YUFUB	CD4T 4
## ATCCGAACAACGATGG.1_6	YUFUB	Mono 2
## ATCCGAACAATCACAC.1_6	YUFUB	TNKT 2
## ATCCGAACAATCAGAA.1_6	YUFUB	B 2
## ATCCGAAGTCTGATCA.1_6	YUFUB	B 2
## ATCCGAAGTTAAAGTG.1_6	YUFUB	CD4T 2
## ATCCGAAGTTATGTGC.1_6	YUFUB	CD4T 3

## ATCCGAATCGAATCCA.1_6	YUFUB	B 2
## ATCCGAATCGTGGTCG.1_6	YUFUB	CD4T 6
## ATCGAGTGTTAAGACA.1_6	YUFUB	B 3
## ATCTACTAGAGTGAGA.1_6	YUFUB	Mono 7
## ATCTACTAGCACCGTC.1_6	YUFUB	CD4T 1
## ATCTACTAGGGTGTGT.1_6	YUFUB	Mono 3
## ATCTACTGTACAAGTA.1_6	YUFUB	Mono 1
## ATCTACTTCAGGCGAA.1_6	YUFUB	Mono 1
## ATCTACTTCCTAGAAC.1_6	YUFUB	CD4T 3
## ATCTACTTCCTCTAGC.1_6	YUFUB	B 1
## ATCTGCCAGCCACTAT.1_6	YUFUB	NK 3
## ATCTGCCAGTGGTAGC.1_6	YUFUB	CD4T 4
## ATCTGCCCATGTTGAC.1_6	YUFUB	TNKT 2
## ATCTGCCGTCGGATCC.1_6	YUFUB	Mono 9
## ATCTGCCGTGAGTATA.1_6	YUFUB	B 2
## ATCTGCCGTGCACGAA.1_6	YUFUB	NK 4
## ATCTGCCGTGGCTCCA.1_6	YUFUB	B 1
## ATCTGCCGTTGCGCAC.1_6	YUFUB	B 2
## ATCTGCCTCCAAACAC.1_6	YUFUB	CD4T 3
## ATGAGGGAGACACGAC.1_6	YUFUB	B 3
## ATGAGGGAGATCTGAA.1_6	YUFUB	CD4T 1
## ATGAGGGAGGGCATGT.1_6	YUFUB	Mono 8
## ATGAGGGTCAACGAAA.1_6	YUFUB	CD4T 1
## ATGAGGGTCCTTAATC.1_6	YUFUB	Mono 2
## ATGCGATAGTGGCACA.1_6	YUFUB	NK 1
## ATGCGATAGTGGGCTA.1_6	YUFUB	Mono 4
## ATGCGATCACGTAAGG.1_6	YUFUB	TNKT 1
## ATGCGATCAGATGGCA.1_6	YUFUB	CD4T 4
## ATGCGATGTCCAGTGC.1_6	YUFUB	NK 3
## ATGCGATGTCTAGTCA.1_6	YUFUB	NK 2
## ATGCGATTCAAGGTAA.1_6	YUFUB	CD4T 3
## ATGCGATTCAATAAGG.1_6	YUFUB	NK 1
## ATGGGAGCAATGGAAT.1_6	YUFUB	CD4T 7
## ATGTGTGCAGGCAGTA.1_6	YUFUB	TNKT 1
## ATGTGTGCATGTAAGA.1_6	YUFUB	Mono 2
## ATGTGTGGTAATTGGA.1_6	YUFUB	Mono 3
## ATTACTCAGGACAGCT.1_6	YUFUB	CD4T 7
## ATTACTCAGTTTGCCT.1_6	YUFUB	Mono 8
## ATTACTCCACCCTATC.1_6	YUFUB	Mono 2
## ATTACTCCATATACCG.1_6	YUFUB	CD4T 1
## ATTACTCCATTGGCGC.1_6	YUFUB	B 1
## ATTACTCGTCACCTAA.1_6	YUFUB	NK 1
## ATTACTCGTCCGAGTC.1_6	YUFUB	Mono 1
## ATTATCCAGATCCTGT.1_6	YUFUB	CD4T 2
## ATTATCCAGTCTTGCA.1_6	YUFUB	B 3
## ATTATCCCACAGGTTT.1_6	YUFUB	Mono 3
## ATTATCCCACCGTTGG.1_6	YUFUB	CD4T 1
## ATTATCCGTAAACGCG.1_6	YUFUB	Mono 8
## ATTATCCGTACATGTC.1_6	YUFUB	NK 3
## ATTATCCTCGCAAGCC.1_6	YUFUB	Mono 5
## ATTCTACAGAGGACGG.1_6	YUFUB	TNKT 1
## ATTCTACAGTGGGATC.1_6	YUFUB	B 2
## ATTCTACAGTGTGAAT.1_6	YUFUB	CD4T 6
## ATTCTACCAGATGGCA.1_6	YUFUB	CD4T 1

## ATTCTACCAGCCTTTC.1_6	YUFUB	B 1
## ATTCTACCATTTGGTAC.1_6	YUFUB	CD4T 1
## ATTCTACGTCGAACAG.1_6	YUFUB	CD4T 6
## ATTCTACTCCTTAATC.1_6	YUFUB	CD4T 2
## ATTCTACTCGCGATCG.1_6	YUFUB	Mono 1
## ATTCTACTCTTCGAGA.1_6	YUFUB	CD4T 4
## ATTGGACAGCTAGCCC.1_6	YUFUB	NK 2
## ATTGGACAGGCTACGA.1_6	YUFUB	Mono 3
## ATTGGACGTCCAGTGC.1_6	YUFUB	NK 1
## ATTGGACGTCTTTCAT.1_6	YUFUB	B 2
## ATTGGACTCCGTCATC.1_6	YUFUB	CD4T 6
## ATTGGACTCGTTGACA.1_6	YUFUB	CD4T 6
## ATTGGTGCAAGTCTGT.1_6	YUFUB	TNKT 1
## ATTGGTGGTGAGTATA.1_6	YUFUB	Mono 8
## ATTTCTGAGACCGGAT.1_6	YUFUB	CD4T 3
## ATTTCTGAGGACGAAA.1_6	YUFUB	NK 3
## ATTTCTGAGTCCCACG.1_6	YUFUB	B 1
## ATTTCTGCAACACCTA.1_6	YUFUB	CD4T 3
## ATTTCTGCACACCGAC.1_6	YUFUB	Mono 5
## ATTTCTGCACGCCAGT.1_6	YUFUB	Mono 5
## ATTTCTGCAGACAGGT.1_6	YUFUB	CD4T 1
## ATTTCTGGTCCGAGTC.1_6	YUFUB	NK 1
## ATTTCTGGTTCCCGAG.1_6	YUFUB	Mono 7
## ATTTCTGTACAGGCC.1_6	YUFUB	CD4T 2
## CAACCAAAGAGAACAG.1_6	YUFUB	NK 1
## CAACCAAAGAGACGAA.1_6	YUFUB	CD4T 5
## CAACCAAAGGATCTG.1_6	YUFUB	NK 2
## CAACCAACAAAGTGCG.1_6	YUFUB	Mono 3
## CAACCAACAACGATGG.1_6	YUFUB	NK 3
## CAACCAACAACACTGGCC.1_6	YUFUB	NK 1
## CAACCAACACAGGTTT.1_6	YUFUB	CD4T 1
## CAACCAACACTTGGAT.1_6	YUFUB	CD4T 6
## CAACCAACATGGTCAT.1_6	YUFUB	NK 3
## CAACCAAGTCTAGCGC.1_6	YUFUB	CD4T 5
## CAACCAATCAATACCG.1_6	YUFUB	CD4T 1
## CAACCAATCAGGTAAA.1_6	YUFUB	TNKT 1
## CAACCAATCTGGAGCC.1_6	YUFUB	Mono 4
## CAACCTCAGGCCCTTG.1_6	YUFUB	CD4T 7
## CAACCTCAGGCGACAT.1_6	YUFUB	B 1
## CAACCTCCAAGTAGTA.1_6	YUFUB	CD4T 4
## CAACCTCCACACGCTG.1_6	YUFUB	CD4T 3
## CAACCTCGTGCAACGA.1_6	YUFUB	NK 2
## CAACCTCTCGGTCTAA.1_6	YUFUB	Mono 5
## CAACCTCTCTTAACCT.1_6	YUFUB	B 1
## CAACTAGGTACCATCA.1_6	YUFUB	TNKT 2
## CAACTAGGTCAAAGAT.1_6	YUFUB	Mono 4
## CAACTAGGTCCATCCT.1_6	YUFUB	B 5
## CAACTAGGTGTCTTT.1_6	YUFUB	Mono 3
## CAACTAGTCACAGGCC.1_6	YUFUB	Mono 4
## CAACTAGTCATCTGCC.1_6	YUFUB	Mono 1
## CAACTAGTCTACTATC.1_6	YUFUB	B 1
## CAAGAAAAGAGGTACC.1_6	YUFUB	CD4T 6
## CAAGATCAGATCACGG.1_6	YUFUB	Mono 5
## CAAGATCCACCCTATC.1_6	YUFUB	TNKT 2

## CAAGATCCAGCGTTCG.1_6	YUFUB	CD4T 4
## CAAGATCCAGGGTACA.1_6	YUFUB	NK 2
## CAAGATCCATGACATC.1_6	YUFUB	Mono 3
## CAAGATCCATTGAGCT.1_6	YUFUB	CD4T 4
## CAAGATCGTGTGCGTC.1_6	YUFUB	NK 1
## CAAGATCTCAGTGCAT.1_6	YUFUB	TNKT 1
## CAAGATCTCATCATT.1_6	YUFUB	Mono 2
## CAAGATCTCGTGACAT.1_6	YUFUB	CD4T 2
## CAAGGCCAGACGCTTT.1_6	YUFUB	CD4T 6
## CAAGGCCAGTCTCGGC.1_6	YUFUB	Mono 3
## CAAGGCCGTAGGCATG.1_6	YUFUB	B 2
## CAAGGCCGTAGGGTAC.1_6	YUFUB	Mono 7
## CAAGGCCTCAACACTG.1_6	YUFUB	TNKT 1
## CAAGGCCTCAGCAACT.1_6	YUFUB	CD4T 5
## CAAGGCCTCTAGAGTC.1_6	YUFUB	Mono 4
## CAAGTTGAGGCGTACA.1_6	YUFUB	Mono 1
## CAAGTTGAGGTGCTAG.1_6	YUFUB	CD4T 3
## CAAGTTGGTACAGTTC.1_6	YUFUB	NK 3
## CAAGTTGGTTAAGGGC.1_6	YUFUB	CD4T 4
## CAAGTTGGTTCAGACT.1_6	YUFUB	B 1
## CAAGTTGTCAACCAAC.1_6	YUFUB	CD8T 1
## CACAAACAGAAAGTGG.1_6	YUFUB	CD4T 3
## CACAAACCACATCTTT.1_6	YUFUB	CD4T 1
## CACAAACTCACGCATA.1_6	YUFUB	CD4T 1
## CACAAACTCAGTTGAC.1_6	YUFUB	Mono 5
## CACAAACTCATAAAGG.1_6	YUFUB	B 1
## CACACAAAGATGTGGC.1_6	YUFUB	B 2
## CACACAACATGAGCGA.1_6	YUFUB	Mono 4
## CACACAACATTCTTAC.1_6	YUFUB	B 2
## CACACAAGTCTCATCC.1_6	YUFUB	B 1
## CACACAAGTTAGGGTG.1_6	YUFUB	Mono 8
## CACACAATCCATGAGT.1_6	YUFUB	Mono 3
## CACACAATCTGCAAGT.1_6	YUFUB	B 1
## CACACCTAGAGCAATT.1_6	YUFUB	CD8T 2
## CACACCTAGCCACTAT.1_6	YUFUB	CD4T 1
## CACACCTAGTACGTTC.1_6	YUFUB	NK 1
## CACACCTCAAGCCGCT.1_6	YUFUB	B 3
## CACACCTGTAGGAGTC.1_6	YUFUB	Mono 7
## CACACCTTCTGCGGCA.1_6	YUFUB	B 1
## CACACTCAGACTGTAA.1_6	YUFUB	NK 1
## CACACTCAGGGAGTAA.1_6	YUFUB	TNKT 1
## CACACTCGTACCGTAT.1_6	YUFUB	NK 2
## CACACTCGTAGCGTAG.1_6	YUFUB	B 1
## CACACTCGTCGCCATG.1_6	YUFUB	Mono 3
## CACACTCTCATGTGGT.1_6	YUFUB	B 1
## CACAGGCAGCCAACAG.1_6	YUFUB	B 2
## CACAGGCCATGGTCTA.1_6	YUFUB	NK 3
## CACAGGCGTCAACTGT.1_6	YUFUB	Mono 8
## CACAGGCGTCAGATAA.1_6	YUFUB	CD4T 7
## CACAGGCTCGGAAACG.1_6	YUFUB	TNKT 1
## CACAGTACATTGGTAC.1_6	YUFUB	B 1
## CACAGTATCGGAGCAA.1_6	YUFUB	NK 1
## CACATAGAGAGGGATA.1_6	YUFUB	CD4T 1
## CACATAGAGGAATGGA.1_6	YUFUB	TNKT 2

## CACATAGCAAACGTGG.1_6	YUFUB	CD4T 2
## CACATAGGTCAATGTC.1_6	YUFUB	CD4T 5
## CACATAGGTCAGAATA.1_6	YUFUB	B 3
## CACATAGTCCAACCAA.1_6	YUFUB	Mono 8
## CACATTTAGATCCCGC.1_6	YUFUB	CD4T 3
## CACATTTCAAAGGAAG.1_6	YUFUB	TNKT 1
## CACATTTCAAGTACCT.1_6	YUFUB	CD8T 1
## CACATTTTCATTGGTAC.1_6	YUFUB	B 2
## CACATTTGTGTGACGA.1_6	YUFUB	CD8T 1
## CACATTTTCATACGGT.1_6	YUFUB	CD4T 2
## CACATTTTCCGTACAA.1_6	YUFUB	Mono 1
## CACCACTTCATAACCG.1_6	YUFUB	TNKT 1
## CACCACTTCCGCATCT.1_6	YUFUB	Mono 7
## CACCACTTCGCTAGCG.1_6	YUFUB	NK 3
## CACCAGGAGAGTGAGA.1_6	YUFUB	B 3
## CACCAGGCACAAGTAA.1_6	YUFUB	B 2
## CACCAGGCACCGAAA.1_6	YUFUB	B 3
## CACCAGGTCTATCCTA.1_6	YUFUB	B 2
## CACCAGGTCTTGTCAT.1_6	YUFUB	CD4T 2
## CACCTTGCAGCGAACA.1_6	YUFUB	CD4T 2
## CACCTTGCAGCTATTG.1_6	YUFUB	TNKT 1
## CACCTTGCATTCTCAT.1_6	YUFUB	Mono 1
## CACCTTGGTCACCCAG.1_6	YUFUB	CD4T 1
## CACTCCAAGATGCCTT.1_6	YUFUB	Mono 4
## CACTCCAAGCTTATCG.1_6	YUFUB	Mono 3
## CACTCCAAGTTGAGAT.1_6	YUFUB	NK 4
## CACTCCACATAACCTG.1_6	YUFUB	NK 3
## CACTCCACATACGCCG.1_6	YUFUB	B 1
## CACTCCAGTCCGAATT.1_6	YUFUB	Mono 3
## CAGAATCAGATGTCGG.1_6	YUFUB	NK 2
## CAGAATCCACGGACAA.1_6	YUFUB	B 1
## CAGAATCGTCCATGAT.1_6	YUFUB	NK 2
## CAGAATCTCACTCCTG.1_6	YUFUB	CD4T 7
## CAGAGAGAGAGCTGGT.1_6	YUFUB	Mono 7
## CAGAGAGAGATTACCC.1_6	YUFUB	Mono 1
## CAGAGAGAGCTGTCTA.1_6	YUFUB	Mono 3
## CAGAGAGAGGATGGAA.1_6	YUFUB	CD4T 1
## CAGAGAGAGTTTAGGA.1_6	YUFUB	Mono 8
## CAGAGAGGTCAGAATA.1_6	YUFUB	NK 2
## CAGAGAGTCAGTTTGG.1_6	YUFUB	CD4T 2
## CAGATCACACGAAAGC.1_6	YUFUB	CD4T 2
## CAGATCACATTGGTAC.1_6	YUFUB	CD4T 4
## CAGATCAGTACCGCTG.1_6	YUFUB	CD4T 5
## CAGATCAGTACCTACA.1_6	YUFUB	B 3
## CAGATCAGTGATGCCC.1_6	YUFUB	NK 1
## CAGCAGCCACGGCCAT.1_6	YUFUB	Mono 3
## CAGCAGCGTAAGGGAA.1_6	YUFUB	Mono 1
## CAGCAGCTCACTTACT.1_6	YUFUB	NK 4
## CAGCAGCTCGGAAATA.1_6	YUFUB	CD4T 3
## CAGCATAAGAAGCCCA.1_6	YUFUB	NK 2
## CAGCATAAGCCAGGAT.1_6	YUFUB	Mono 7
## CAGCATAAGTTAGCGG.1_6	YUFUB	Mono 3
## CAGCATACAAAGTCAA.1_6	YUFUB	B 2
## CAGCATAGTGTTAAGA.1_6	YUFUB	B 1

## CAGCATATCCGAACGC.1_6	YUFUB	Mono 4
## CAGCATATCTCTGAGA.1_6	YUFUB	Mono 3
## CAGCCGACAATAGCGG.1_6	YUFUB	TNKT 2
## CAGCCGACACAGCCCA.1_6	YUFUB	Mono 1
## CAGCCGACAGGATTGG.1_6	YUFUB	B 1
## CAGCCGAGTACGAAAT.1_6	YUFUB	CD8T 2
## CAGCGACAGATAGTCA.1_6	YUFUB	NK 1
## CAGCGACAGGTGTTAA.1_6	YUFUB	CD4T 1
## CAGCGACCAGGGTATG.1_6	YUFUB	B 2
## CAGCGACCATGCAATC.1_6	YUFUB	Mono 3
## CAGCGACGTCCCGACA.1_6	YUFUB	CD4T 1
## CAGCGACGTTCTGGTA.1_6	YUFUB	CD8T 3
## CAGCGACTCGGTGTCTG.1_6	YUFUB	TNKT 1
## CAGCGACTCGTACCGG.1_6	YUFUB	CD8T 2
## CAGCTAAAGTATTGGA.1_6	YUFUB	Mono 7
## CAGCTAACACGGCGTT.1_6	YUFUB	NK 1
## CAGCTAATCTCAAACG.1_6	YUFUB	B 2
## CAGCTAATCTTCAACT.1_6	YUFUB	B 2
## CAGCTAATCTTCCTTC.1_6	YUFUB	Mono 7
## CAGCTGGAGCAATATG.1_6	YUFUB	B 1
## CAGCTGGCAGGGTACA.1_6	YUFUB	B 1
## CAGCTGGGTGCATCTA.1_6	YUFUB	TNKT 2
## CAGCTGGGTACCGAT.1_6	YUFUB	Mono 2
## CAGCTGGTCTTTAGGG.1_6	YUFUB	CD4T 6
## CAGGTGCAGCCACGCT.1_6	YUFUB	NK 1
## CAGGTGCAGTAGGTGC.1_6	YUFUB	CD4T 3
## CAGGTGCTCTACGAGT.1_6	YUFUB	NK 3
## CAGTAACAGCACCGCT.1_6	YUFUB	B 1
## CAGTAACTCCAAAGTC.1_6	YUFUB	B 1
## CAGTCCTAGCCACCTG.1_6	YUFUB	NK 1
## CAGTCCTCATGGTTGT.1_6	YUFUB	CD4T 5
## CAGTCCTGTCTGCGGT.1_6	YUFUB	CD4T 3
## CAGTCCTTCACGATGT.1_6	YUFUB	CD8T 1
## CAGTCCTTCGTAGGTT.1_6	YUFUB	B 2
## CAGTCCTTCTTTCCTC.1_6	YUFUB	Mono 2
## CATATGGAGCACGCCT.1_6	YUFUB	Mono 8
## CATATGGAGTGACCT.1_6	YUFUB	B 1
## CATATGGAGTTGCAGG.1_6	YUFUB	Mono 3
## CATATGGCAAGCCATT.1_6	YUFUB	Mono 3
## CATATGGCATTGCGGC.1_6	YUFUB	Mono 3
## CATATGGGTGCCTTGG.1_6	YUFUB	Mono 7
## CATATGGGTGCTGTAT.1_6	YUFUB	Mono 5
## CATATGGTCACCAGGC.1_6	YUFUB	Mono 4
## CATATTCAGAAGGGTA.1_6	YUFUB	NK 1
## CATATTCAGGCCCTCA.1_6	YUFUB	Mono 8
## CATATTCCAGTCGTGC.1_6	YUFUB	NK 3
## CATCAAGAGAAGGCCT.1_6	YUFUB	CD4T 1
## CATCAAGAGTCGATAA.1_6	YUFUB	TNKT 2
## CATCAAGCACCGAATT.1_6	YUFUB	B 1
## CATCAAGCAGCATACT.1_6	YUFUB	NK 1
## CATCAAGGTAAATGTG.1_6	YUFUB	Mono 7
## CATCAAGGTCAGAGGT.1_6	YUFUB	NK 2
## CATCAAGTCACATACG.1_6	YUFUB	CD4T 6
## CATCAAGTCCCTGACT.1_6	YUFUB	B 2

## CATCAAGTCGCAGGCT.1_6	YUFUB	B 2
## CATCAGAAGGAGTTGC.1_6	YUFUB	CD4T 3
## CATCAGAAGGCCGAAT.1_6	YUFUB	Mono 5
## CATCAGAAGGGTTTCT.1_6	YUFUB	CD4T 3
## CATCAGACAGATGGCA.1_6	YUFUB	Mono 1
## CATCAGAGTACCATCA.1_6	YUFUB	NK 2
## CATCAGAGTTCCACTC.1_6	YUFUB	CD8T 1
## CATCAGATCAGCCTAA.1_6	YUFUB	CD4T 7
## CATCAGATCAGGCGAA.1_6	YUFUB	Mono 3
## CATCCACAGTACACCT.1_6	YUFUB	NK 3
## CATCCACCATGCATGT.1_6	YUFUB	NK 1
## CATCCACCATGCTAGT.1_6	YUFUB	B 1
## CATCCACGTCCTGCTT.1_6	YUFUB	B 1
## CATCCACGTTAAGGGC.1_6	YUFUB	CD4T 1
## CATCCACTCAGAGGTG.1_6	YUFUB	CD4T 4
## CATCCACTCTCGTTTA.1_6	YUFUB	NK 3
## CATCGAAAGGGTCGAT.1_6	YUFUB	CD8T 1
## CATCGAACATGCCCGA.1_6	YUFUB	NK 4
## CATCGAACATGGTCAT.1_6	YUFUB	Mono 7
## CATCGAAGTCATCGGC.1_6	YUFUB	Mono 3
## CATCGAAGTGAGGGAG.1_6	YUFUB	B 1
## CATCGAAGTGATGTGG.1_6	YUFUB	NK 4
## CATCGAATCCATGAGT.1_6	YUFUB	CD4T 1
## CATCGAATCCGAGCCA.1_6	YUFUB	B 3
## CATCGAATCGCCCTTA.1_6	YUFUB	Mono 8
## CATCGGGCAGTATGCT.1_6	YUFUB	NK 1
## CATCGGGGTTCTCCA.1_6	YUFUB	NK 1
## CATGACAAGAAGGGTA.1_6	YUFUB	TNKT 1
## CATGACACACATCTTT.1_6	YUFUB	CD4T 6
## CATGACACACGAAACG.1_6	YUFUB	CD4T 6
## CATGACATCACCCGAG.1_6	YUFUB	CD4T 7
## CATGCCTAGATATGGT.1_6	YUFUB	B 3
## CATGCCTAGCGTGAGT.1_6	YUFUB	B 1
## CATGCCTAGCTAACTC.1_6	YUFUB	Mono 5
## CATGCCTAGCTCTCGG.1_6	YUFUB	Mono 3
## CATGCCTAGGGCACTA.1_6	YUFUB	TNKT 1
## CATGCCTCAAGGTTTC.1_6	YUFUB	NK 1
## CATGCCTCACAAGACG.1_6	YUFUB	CD4T 5
## CATGCCTCACCCATGG.1_6	YUFUB	Mono 4
## CATGCCTCATGTCGAT.1_6	YUFUB	TNKT 2
## CATGCCTTCAAGAAGT.1_6	YUFUB	Mono 3
## CATGCCTTCCACTCCA.1_6	YUFUB	B 2
## CATGCCTTCCGCAAGC.1_6	YUFUB	B 2
## CATGCCTTCGAGCCCA.1_6	YUFUB	TNKT 1
## CATGGCGAGACAAAGG.1_6	YUFUB	Mono 5
## CATGGCGAGGGAGTAA.1_6	YUFUB	B 2
## CATGGCGAGGGTGTTG.1_6	YUFUB	Mono 8
## CATGGCGAGGTGACCA.1_6	YUFUB	CD8T 1
## CATGGCGAGGTTACCT.1_6	YUFUB	CD4T 7
## CATGGCGCATACTCTT.1_6	YUFUB	NK 1
## CATGGCGGTCCGAATT.1_6	YUFUB	CD4T 2
## CATGGCGTCAACACTG.1_6	YUFUB	Mono 7
## CATGGCGTCGCGCCAA.1_6	YUFUB	Mono 2
## CATGGCGTCGGAAATA.1_6	YUFUB	CD4T 5

## CATTATCCAGTCAGCC.1_6	YUFUB	CD4T 1
## CATTATCGTAGAAAGG.1_6	YUFUB	CD4T 3
## CATTATCTCTCCAACC.1_6	YUFUB	Mono 7
## CATTATCTCTCTTGAT.1_6	YUFUB	Mono 3
## CATTGCGCAGCCTATGT.1_6	YUFUB	TNKT 1
## CATTGCGCAGTCAAGGC.1_6	YUFUB	TNKT 1
## CATTGCGCCATGGGAAC.1_6	YUFUB	Mono 4
## CATTGCGGTAGAAGGA.1_6	YUFUB	Mono 4
## CATTGCGGTCAGAAGC.1_6	YUFUB	B 2
## CATTGCTCACTCTTA.1_6	YUFUB	Mono 9
## CATTGCTCCAGAGGA.1_6	YUFUB	B 1
## CCAATCCAGTCGATAA.1_6	YUFUB	TNKT 1
## CCAATCCCAATCTGCA.1_6	YUFUB	Mono 4
## CCAATCCGTTACTTGAC.1_6	YUFUB	Mono 7
## CCAATCCGTGTTAAGA.1_6	YUFUB	Mono 1
## CCAATCCGTTCCCGAG.1_6	YUFUB	Mono 1
## CCAATCCTCGCCTGTT.1_6	YUFUB	NK 2
## CCACCTAAGTGCGTGA.1_6	YUFUB	B 1
## CCACCTAAGTTAGGTA.1_6	YUFUB	B 2
## CCACCTACAAGAAGAG.1_6	YUFUB	B 2
## CCACCTACAAGTAGTA.1_6	YUFUB	Mono 7
## CCACCTACAGGCTCAC.1_6	YUFUB	NK 2
## CCACCTAGTGCGGTAA.1_6	YUFUB	TNKT 1
## CCACCTATCCAACCAA.1_6	YUFUB	NK 2
## CCACCTATCGAGCCCA.1_6	YUFUB	TNKT 2
## CCACGGAAGCGTCAAG.1_6	YUFUB	B 2
## CCACGGAAGGCTACGA.1_6	YUFUB	Mono 1
## CCACGGACACCAACCG.1_6	YUFUB	B 2
## CCACGGACACCCAGTG.1_6	YUFUB	Mono 3
## CCACTACAGCGCCTCA.1_6	YUFUB	NK 1
## CCACTACCAAGACGTG.1_6	YUFUB	Mono 3
## CCACTACCACCCAGTG.1_6	YUFUB	TNKT 1
## CCACTACCAGGTTTCA.1_6	YUFUB	B 2
## CCACTACCATCAGTCA.1_6	YUFUB	Mono 4
## CCACTACGTTTGACAC.1_6	YUFUB	B 1
## CCACTACTCAACGGGA.1_6	YUFUB	CD4T 2
## CCACTACTACCGGGT.1_6	YUFUB	TNKT 1
## CCAGCGACACTTGAT.1_6	YUFUB	NK 3
## CCAGCGACAGCGAACA.1_6	YUFUB	Mono 5
## CCAGCGACAGTAGAGC.1_6	YUFUB	CD8T 1
## CCAGCGATCACTTACT.1_6	YUFUB	CD4T 2
## CCAGCGATCAGTGCAT.1_6	YUFUB	NK 3
## CCAGCGATCATCTGCC.1_6	YUFUB	Mono 4
## CCAGCGATCGCCTGTT.1_6	YUFUB	NK 1
## CCAGCGATCTCCTATA.1_6	YUFUB	Mono 8
## CCATGTCCAGCTTAAC.1_6	YUFUB	NK 2
## CCATGTCCATTCTCAT.1_6	YUFUB	B 1
## CCATGTGCTCTTCAAG.1_6	YUFUB	Mono 9
## CCATGTCTCCTTGGTC.1_6	YUFUB	B 1
## CCATTGCGAAAGGTGC.1_6	YUFUB	CD4T 3
## CCATTGCGATTTGCCC.1_6	YUFUB	CD4T 3
## CCATTGCGTCTTCAAG.1_6	YUFUB	Mono 5
## CCCAATCCATCGGACC.1_6	YUFUB	NK 2
## CCCAATCCATTACGAC.1_6	YUFUB	Mono 7

## CCAATCGTTCGCTAA.1_6	YUFUB	B 1
## CCAATCTCACGGGT.1_6	YUFUB	Mono 3
## CCCAGTTCAAAGTGCG.1_6	YUFUB	NK 4
## CCCAGTTGTAAGTAGC.1_6	YUFUB	Mono 1
## CCCAGTTTCAGAGCTT.1_6	YUFUB	Mono 8
## CCCAGTTTCGGAACG.1_6	YUFUB	Mono 3
## CCTCCTAGCGTGAGT.1_6	YUFUB	Mono 5
## CCTCCTAGTCGTTTG.1_6	YUFUB	TNKT 1
## CCTCCTCAATCCGAT.1_6	YUFUB	TNKT 1
## CCTCCTCAGTGACAG.1_6	YUFUB	Mono 7
## CCTCCTGTTTCCACC.1_6	YUFUB	Mono 1
## CCGGGATAGTAATCCC.1_6	YUFUB	NK 3
## CCGGGATCAGTCGATT.1_6	YUFUB	CD4T 3
## CCGGGATCATATGGTC.1_6	YUFUB	TNKT 1
## CCGGGATGTAGGAGTC.1_6	YUFUB	B 2
## CCGGGATTCAAAGACA.1_6	YUFUB	CD4T 3
## CCGGTAGAGGCCATAG.1_6	YUFUB	TNKT 1
## CCGGTAGAGGTGATAT.1_6	YUFUB	NK 2
## CCGGTAGAGTCCGGTC.1_6	YUFUB	Mono 4
## CCGGTAGCAATGTTGC.1_6	YUFUB	TNKT 1
## CCGGTAGCAGTAGAGC.1_6	YUFUB	B 3
## CCGGTAGCATTCTCAT.1_6	YUFUB	Mono 7
## CCGGTAGGTGTTGAGG.1_6	YUFUB	NK 4
## CCGGTAGTCATAACCG.1_6	YUFUB	Mono 3
## CCGGTAGTCTATGTGG.1_6	YUFUB	NK 1
## CCGTACTTCCCTCTTT.1_6	YUFUB	CD4T 1
## CCGTGGAAGATTACCC.1_6	YUFUB	Mono 2
## CCGTGGAAGGCAAAGA.1_6	YUFUB	Mono 7
## CCGTGGAACAACAACA.1_6	YUFUB	NK 3
## CCGTGGAAGTAAAATCA.1_6	YUFUB	NK 1
## CCGTGGAAGTGAAGGCT.1_6	YUFUB	CD4T 2
## CCGTGGAATCCCAAGAT.1_6	YUFUB	B 1
## CCGTTCAAGCTGATAA.1_6	YUFUB	Mono 3
## CCGTTCACAAGAGGCT.1_6	YUFUB	Mono 1
## CCGTTCACAAGTAGTA.1_6	YUFUB	TNKT 1
## CCGTTCAGTATCGCAT.1_6	YUFUB	Mono 4
## CCGTTCAGTCTAACGT.1_6	YUFUB	CD8T 2
## CCGTTCAGTCTGCGGT.1_6	YUFUB	Mono 3
## CCGTTCAGTTGAGGTG.1_6	YUFUB	Mono 3
## CCGTTCATCTACTATC.1_6	YUFUB	Mono 2
## CCTAAAGAGAATAGGG.1_6	YUFUB	NK 1
## CCTAAAGAGGCCATAG.1_6	YUFUB	Mono 3
## CCTAAAGAGTTATCGC.1_6	YUFUB	CD4T 6
## CCTAAAGCACCATCCT.1_6	YUFUB	CD4T 6
## CCTAAAGCAGATGAGC.1_6	YUFUB	CD4T 4
## CCTAAAGGTCATCCCT.1_6	YUFUB	CD4T 2
## CCTAAAGGTGCTAGCC.1_6	YUFUB	Mono 4
## CCTAAAGGTGCTTCTC.1_6	YUFUB	Mono 3
## CCTAAAGTCATAAAGG.1_6	YUFUB	Mono 5
## CCTAAAGTCATGTCTT.1_6	YUFUB	CD4T 3
## CCTAAAGTCGAGAGCA.1_6	YUFUB	NK 4
## CCTACACAGGCATGTG.1_6	YUFUB	B 1
## CCTACACCAAGCCGCT.1_6	YUFUB	B 1
## CCTACACTCACATAGC.1_6	YUFUB	CD8T 1

## CCTACTCTTAACCT.1_6	YUFUB	Mono 1
## CCTACCAAGTATCGAA.1_6	YUFUB	Mono 8
## CCTACCAGTCCTGCTT.1_6	YUFUB	CD4T 3
## CCTACCATCATCTGTT.1_6	YUFUB	Mono 3
## CCTAGCTAGATAGCAT.1_6	YUFUB	B 3
## CCTAGCTCACTAGTAC.1_6	YUFUB	CD4T 1
## CCTAGCTCACTTCTGC.1_6	YUFUB	CD4T 1
## CCTAGCTCATCACAAC.1_6	YUFUB	Mono 1
## CCTAGCTTCATTCACT.1_6	YUFUB	NK 1
## CCTAGCTTCGTACCGG.1_6	YUFUB	CD4T 2
## CCTAGCTTCTGCCCTA.1_6	YUFUB	Mono 8
## CCTATTACAGTGGGAT.1_6	YUFUB	CD4T 4
## CCTATTAGTCTAGCGC.1_6	YUFUB	CD4T 2
## CCTCAGTCACCTGGTG.1_6	YUFUB	NK 3
## CCTCAGTGTTGTGGAG.1_6	YUFUB	CD8T 1
## CCTCTGAAGAGCTGGT.1_6	YUFUB	Mono 4
## CCTCTGACAAACTGCT.1_6	YUFUB	TNKT 1
## CCTCTGACACGTTGGC.1_6	YUFUB	NK 4
## CCTCTGACATTAGGCT.1_6	YUFUB	NK 1
## CCTCTGATCACCTCGT.1_6	YUFUB	NK 1
## CCTTACGAGAGTAATC.1_6	YUFUB	CD4T 2
## CCTTACGCACATTTCT.1_6	YUFUB	Mono 7
## CCTTACGCACCAGTTA.1_6	YUFUB	NK 3
## CCTTACGGTACCGGCT.1_6	YUFUB	NK 1
## CCTTACGGTCGAAAGC.1_6	YUFUB	CD8T 1
## CCTTACGGTCTTGATG.1_6	YUFUB	CD8T 1
## CCTTACGTCCTAGGGC.1_6	YUFUB	NK 4
## CCTTACGTCTCGGACG.1_6	YUFUB	NK 1
## CCTTACGTCTTGAGGT.1_6	YUFUB	CD4T 3
## CCTTCCCAGATATGGT.1_6	YUFUB	CD4T 5
## CCTTCCCGTAAGGATT.1_6	YUFUB	Mono 7
## CCTTCCCGTGCTCTTC.1_6	YUFUB	Mono 2
## CCTTCCCTCACGCATA.1_6	YUFUB	Mono 7
## CCTTCCCTCAGCATGT.1_6	YUFUB	NK 2
## CCTTCCCTCAGCGACC.1_6	YUFUB	CD4T 1
## CCTTCGACAAAGAATC.1_6	YUFUB	CD4T 5
## CCTTCGATCAAGAAGT.1_6	YUFUB	Mono 1
## CCTTCGATCCTTGGTC.1_6	YUFUB	Mono 7
## CCTTCGATCGTATCAG.1_6	YUFUB	B 2
## CCTTCGATCTTATCTG.1_6	YUFUB	Mono 5
## CCTTTCTAGACGCTTT.1_6	YUFUB	B 2
## CCTTTCTCAGATTGCT.1_6	YUFUB	Mono 8
## CCTTTCTCAGTCGTGC.1_6	YUFUB	B 1
## CCTTTCTGTAAACACA.1_6	YUFUB	B 4
## CCTTTCTGTCATATCG.1_6	YUFUB	Mono 8
## CCTTTCTGTGCGTGT.1_6	YUFUB	Mono 5
## CCTTTCTGTGCTTTC.1_6	YUFUB	CD4T 1
## CCTTTCTGTGCACTTA.1_6	YUFUB	Mono 8
## CCTTTCTTCACATAGC.1_6	YUFUB	CD8T 1
## CCTTTCTTCTAACTTC.1_6	YUFUB	TNKT 1
## CCTTTCTTCTGTCAAG.1_6	YUFUB	CD4T 6
## CGAACATAGGAATGGA.1_6	YUFUB	Mono 4
## CGAACATAGTGAAGAG.1_6	YUFUB	NK 1
## CGAACATAGTTAAGTG.1_6	YUFUB	B 2

## CGAACATAGTTTCCTT.1_6	YUFUB	B 3
## CGAACATGTATAGGGC.1_6	YUFUB	B 1
## CGAACATGTGAGGCTA.1_6	YUFUB	NK 4
## CGAACATTCAAACCAC.1_6	YUFUB	CD4T 6
## CGAACATTACGAAGG.1_6	YUFUB	Mono 2
## CGAACATTGAGGTAG.1_6	YUFUB	CD4T 1
## CGAACATTCTGCCCTA.1_6	YUFUB	B 2
## CGAACATTCTGTGCAA.1_6	YUFUB	Mono 3
## CGAATGTAGTCCGTAT.1_6	YUFUB	CD4T 3
## CGAATGTCAGGACCCT.1_6	YUFUB	CD4T 3
## CGAATGTGTTGTTGA.1_6	YUFUB	CD4T 1
## CGAATGTTCAAACAAG.1_6	YUFUB	B 1
## CGAATGTTACCTCGT.1_6	YUFUB	CD4T 2
## CGACCTTAGACTACAA.1_6	YUFUB	Mono 8
## CGACCTTAGCCGAAA.1_6	YUFUB	NK 4
## CGACCTTAGTATCTCG.1_6	YUFUB	CD4T 6
## CGACCTTCAAGCCAC.1_6	YUFUB	Mono 8
## CGACCTTCACGAAATA.1_6	YUFUB	CD4T 1
## CGACCTTCAGGATCGA.1_6	YUFUB	B 1
## CGACCTTTCACCCGAG.1_6	YUFUB	TNKT 1
## CGACCTTTCAGGTAAA.1_6	YUFUB	B 2
## CGACCTTTCGGGTGT.1_6	YUFUB	CD4T 1
## CGACCTTTCCTCGGTT.1_6	YUFUB	Mono 8
## CGACTTCAGGCGTCT.1_6	YUFUB	Mono 3
## CGACTTCAGTCGATAA.1_6	YUFUB	Mono 4
## CGACTTCCAAGGTGTG.1_6	YUFUB	CD4T 4
## CGACTTCCACGAAAGC.1_6	YUFUB	B 3
## CGACTTCCAGTAACGG.1_6	YUFUB	NK 2
## CGACTTCCATCGATGT.1_6	YUFUB	TNKT 1
## CGACTTCGTGAAGGCT.1_6	YUFUB	NK 2
## CGACTTCTCAGGATCT.1_6	YUFUB	Mono 5
## CGACTTCTCCACGACG.1_6	YUFUB	TNKT 1
## CGAGAAGCAATAAGCA.1_6	YUFUB	CD8T 1
## CGAGAAGCACCCATGG.1_6	YUFUB	B 2
## CGAGAAGCATGGTTGT.1_6	YUFUB	Mono 1
## CGAGAAGTCGTTGACA.1_6	YUFUB	CD4T 1
## CGAGCACAGACCTAGG.1_6	YUFUB	B 1
## CGAGCACAGACTCGGA.1_6	YUFUB	CD4T 1
## CGAGCACCAAGAAAGG.1_6	YUFUB	CD4T 4
## CGAGCACCAAGCGCTC.1_6	YUFUB	Mono 3
## CGAGCACCATCCAACA.1_6	YUFUB	Mono 1
## CGAGCACGTAAAGTCA.1_6	YUFUB	Mono 8
## CGAGCACGTTATCACG.1_6	YUFUB	Mono 8
## CGAGCACTCGCTTAGA.1_6	YUFUB	NK 1
## CGAGCACTCGGTCCGA.1_6	YUFUB	Mono 7
## CGAGCCAAGAAGAAGC.1_6	YUFUB	NK 4
## CGAGCCAAGCTATGCT.1_6	YUFUB	CD4T 1
## CGAGCCACAAGACACG.1_6	YUFUB	B 3
## CGAGCCATCACTTACT.1_6	YUFUB	Mono 8
## CGAGCCATCAGAGACG.1_6	YUFUB	CD4T 2
## CGAGCCATCCGCAGTG.1_6	YUFUB	CD4T 3
## CGATCGGCACAGGAGT.1_6	YUFUB	Mono 8
## CGATCGGCAGATGGGT.1_6	YUFUB	B 1
## CGATCGGCAGGCTGAA.1_6	YUFUB	B 1

## CGATCGGGTACGACCC.1_6	YUFUB	NK 2
## CGATCGGGTCATGCCG.1_6	YUFUB	NK 3
## CGATCGGGTGTGGTTT.1_6	YUFUB	NK 1
## CGATCGGGTTAAGACA.1_6	YUFUB	Mono 7
## CGATCGGGTTCCACAA.1_6	YUFUB	Mono 8
## CGATCGGTCGCCTGTT.1_6	YUFUB	CD4T 7
## CGATCGGTCTTCGAGA.1_6	YUFUB	CD4T 7
## CGATGGCAGCCACCTG.1_6	YUFUB	Mono 2
## CGATGGCAGGCATGTG.1_6	YUFUB	NK 1
## CGATGGCAGTACTTGC.1_6	YUFUB	Mono 7
## CGATGGCAGTGAAGTT.1_6	YUFUB	CD4T 3
## CGATGGCCACTTAACG.1_6	YUFUB	B 2
## CGATGGCCAGCATACT.1_6	YUFUB	Mono 5
## CGATGGCCATGGGAAC.1_6	YUFUB	NK 4
## CGATGGCGTAGGGACT.1_6	YUFUB	Mono 4
## CGATGGCTCTCCAGGG.1_6	YUFUB	Mono 7
## CGATGGCTCTCGGACG.1_6	YUFUB	NK 1
## CGATGTACACCACCAG.1_6	YUFUB	B 3
## CGATGTAGTACGAAAT.1_6	YUFUB	Mono 8
## CGATGTAGTCGGGTCT.1_6	YUFUB	Mono 4
## CGATGTATCTCAAACG.1_6	YUFUB	B 1
## CGATTGAAGAGTTGGC.1_6	YUFUB	Mono 5
## CGATTGAAGCCAGAAC.1_6	YUFUB	CD4T 2
## CGATTGAAGCCGCCTA.1_6	YUFUB	Mono 8
## CGATTGAAGCTGCAAG.1_6	YUFUB	Mono 9
## CGATTGAGTCTGCCAG.1_6	YUFUB	Mono 3
## CGATTGAGTTATCACG.1_6	YUFUB	B 3
## CGATTGATCAAGGCTT.1_6	YUFUB	CD4T 3
## CGATTGATCGCCAAAT.1_6	YUFUB	Mono 1
## CGCCAAGAGAAGGTGA.1_6	YUFUB	Mono 8
## CGCCAAGAGATGTTAG.1_6	YUFUB	Mono 1
## CGCCAAGAGGCAATTA.1_6	YUFUB	Mono 3
## CGCCAAGGTAAGGGAA.1_6	YUFUB	Mono 1
## CGCCAAGGTGCTCTTC.1_6	YUFUB	Mono 3
## CGCCAAGGTTAAAGTG.1_6	YUFUB	NK 1
## CGCCAAGGTTTCATGGT.1_6	YUFUB	CD4T 3
## CGCGGTAAGGCATGTG.1_6	YUFUB	Mono 9
## CGCGGTACAGGGCATA.1_6	YUFUB	NK 1
## CGCGGTAGTACTTCTT.1_6	YUFUB	Mono 3
## CGCGGTAGTCCTGCTT.1_6	YUFUB	B 2
## CGCGGTATCAGGTAAA.1_6	YUFUB	TNKT 1
## CGCGGTATCGGAGGTA.1_6	YUFUB	Mono 7
## CGCGTTTtagTTGTAGA.1_6	YUFUB	CD4T 2
## CGCGTTTCAAAGGAAG.1_6	YUFUB	NK 1
## CGCGTTTCAACGATGG.1_6	YUFUB	CD4T 6
## CGCGTTTCACACGCTG.1_6	YUFUB	CD4T 1
## CGCGTTTCAGCCTTTC.1_6	YUFUB	Mono 5
## CGCGTTTCAGTGGGAT.1_6	YUFUB	CD8T 1
## CGCGTTTGTACCTACA.1_6	YUFUB	Mono 5
## CGCGTTTGTATGCTTG.1_6	YUFUB	CD8T 3
## CGCGTTTGTACACGC.1_6	YUFUB	CD4T 1
## CGCGTTTTCCTCAAGAT.1_6	YUFUB	Mono 1
## CGCGTTTCTCGATGA.1_6	YUFUB	TNKT 1
## CGCTATCAGGATATAC.1_6	YUFUB	CD8T 2

## CGCTATCAGGGCTTCC.1_6	YUFUB	Mono 5
## CGCTATCCAACCGCCA.1_6	YUFUB	CD8T 3
## CGCTATCCACTTAACG.1_6	YUFUB	B 1
## CGCTATCCAGCCTTGG.1_6	YUFUB	B 3
## CGCTATCGTGGGTCAA.1_6	YUFUB	B 3
## CGCTATCGTTAAGACA.1_6	YUFUB	B 2
## CGCTATCTCAAACCAC.1_6	YUFUB	CD4T 5
## CGCTATCTCACAGTAC.1_6	YUFUB	NK 4
## CGCTATCTCATACGGT.1_6	YUFUB	CD4T 6
## CGCTATCTCGTGGACC.1_6	YUFUB	Mono 9
## CGCTATCTCTGATTCT.1_6	YUFUB	NK 1
## CGCTGGAGTAGCGTGA.1_6	YUFUB	Mono 2
## CGCTGGAGTAGTAGTA.1_6	YUFUB	Mono 2
## CGCTGGAGTGGCTCCA.1_6	YUFUB	NK 4
## CGCTGGAGTTGTCTTT.1_6	YUFUB	Mono 3
## CGCTGGATCTGCCCTA.1_6	YUFUB	NK 1
## CGCTTCACAATGAAAC.1_6	YUFUB	CD4T 7
## CGCTTCACAGATGGCA.1_6	YUFUB	CD4T 3
## CGCTTCACATGAGCGA.1_6	YUFUB	B 2
## CGCTTCAGTGGGTATG.1_6	YUFUB	B 3
## CGCTTCAGTTACAGAA.1_6	YUFUB	Mono 3
## CGCTTCAGTTCATGGT.1_6	YUFUB	Mono 5
## CGCTTCATCCAACCAA.1_6	YUFUB	CD4T 7
## CGGACACAGCTCCTCT.1_6	YUFUB	TNKT 2
## CGGACACAGGCTCAGA.1_6	YUFUB	NK 1
## CGGACACCAACACGCC.1_6	YUFUB	CD4T 1
## CGGACACCAGGTTTCA.1_6	YUFUB	Mono 1
## CGGACACGTAGAAGGA.1_6	YUFUB	NK 1
## CGGACACGTCATCGGC.1_6	YUFUB	CD4T 1
## CGGACACGTCTCCACT.1_6	YUFUB	CD4T 7
## CGGACACGTGTGCCTG.1_6	YUFUB	NK 2
## CGGACACGTTACGACT.1_6	YUFUB	NK 4
## CGGACACGTTGCTAA.1_6	YUFUB	CD4T 2
## CGGACACTCATGCTCC.1_6	YUFUB	NK 2
## CGGACACTCGCGATCG.1_6	YUFUB	Mono 1
## CGGACACTCTCAACTT.1_6	YUFUB	Mono 8
## CGGACGTAGAGTGACC.1_6	YUFUB	B 2
## CGGACGTAGTCGTACT.1_6	YUFUB	TNKT 1
## CGGACGTCAATCACAC.1_6	YUFUB	NK 4
## CGGACGTGTACCCAAT.1_6	YUFUB	CD4T 2
## CGGACGTGTCAGCTAT.1_6	YUFUB	NK 3
## CGGACGTGTCGAGATG.1_6	YUFUB	Mono 8
## CGGACGTGTTATGCGT.1_6	YUFUB	Mono 5
## CGGACGTTTCATTTGGG.1_6	YUFUB	NK 1
## CGGACGTTCTCGCATC.1_6	YUFUB	TNKT 1
## CGGACTGAGAAAACCTA.1_6	YUFUB	B 1
## CGGACTGAGGCTATCT.1_6	YUFUB	Mono 3
## CGGACTGCACAAGCCC.1_6	YUFUB	Mono 7
## CGGACTGCAGATGAGC.1_6	YUFUB	Mono 9
## CGGACTGTCCACTCCA.1_6	YUFUB	NK 3
## CGGACTGTCCTGCAGG.1_6	YUFUB	Mono 3
## CGGACTGTCTGCAAGT.1_6	YUFUB	Mono 3
## CGGAGCTAGGCTAGCA.1_6	YUFUB	Mono 5
## CGGAGCTCAACGATCT.1_6	YUFUB	B 1

## CGGAGCTCAAGACACG.1_6	YUFUB	CD4T 5
## CGGAGCTCAATCTGCA.1_6	YUFUB	NK 3
## CGGAGCTCACACTGCG.1_6	YUFUB	Mono 3
## CGGAGCTCATGACGGA.1_6	YUFUB	CD4T 4
## CGGAGCTGTAGCGCAA.1_6	YUFUB	B 1
## CGGAGCTGTGGTGTAG.1_6	YUFUB	Mono 3
## CGGAGCTTCGAACGGA.1_6	YUFUB	Mono 5
## CGGAGCTTCTATCCCG.1_6	YUFUB	NK 1
## CGGAGCTTCTTGCAAG.1_6	YUFUB	CD4T 7
## CGGAGTCAGTACTTGC.1_6	YUFUB	Mono 2
## CGGAGTCCAACTTGAC.1_6	YUFUB	B 3
## CGGAGTCCATCCAACA.1_6	YUFUB	B 3
## CGGAGTCGTGCCTGGT.1_6	YUFUB	B 3
## CGGCTAGCAAGGTTTC.1_6	YUFUB	CD4T 4
## CGGCTAGCAGAGCCAA.1_6	YUFUB	B 2
## CGGCTAGCATAAGACA.1_6	YUFUB	CD4T 2
## CGGGTCAAGAAGATTC.1_6	YUFUB	CD8T 1
## CGGGTCAAGAGTAAGG.1_6	YUFUB	Mono 2
## CGGGTCAAGATATGGT.1_6	YUFUB	Mono 8
## CGGGTCAAGCCGCCTA.1_6	YUFUB	CD8T 1
## CGGGTCAAGCGTTCCG.1_6	YUFUB	Mono 2
## CGGGTCACAATGGAAT.1_6	YUFUB	CD4T 7
## CGGGTCACACTCGACG.1_6	YUFUB	Mono 3
## CGGGTCATCAAACGGG.1_6	YUFUB	NK 1
## CGGTAAAGTCATGCT.1_6	YUFUB	Mono 7
## CGGTAAACACCCATTC.1_6	YUFUB	B 1
## CGGTAAAGTCCCTACT.1_6	YUFUB	CD4T 7
## CGGTAAATCACCTCA.1_6	YUFUB	NK 1
## CGGTAAATCCAGGGCT.1_6	YUFUB	TNKT 1
## CGGTAAATCGAGAACG.1_6	YUFUB	Mono 3
## CGGTAAATCTGGTGTA.1_6	YUFUB	CD4T 4
## CGTAGCGAGAAGAAGC.1_6	YUFUB	CD4T 6
## CGTAGCGAGGCGCTCT.1_6	YUFUB	CD4T 1
## CGTAGCGCAATGACCT.1_6	YUFUB	B 2
## CGTAGCGCAGATGAGC.1_6	YUFUB	CD4T 3
## CGTAGCGCATGCCACG.1_6	YUFUB	CD4T 5
## CGTAGCGCATGCTGGC.1_6	YUFUB	CD4T 4
## CGTAGGCAGATGTGGC.1_6	YUFUB	CD4T 4
## CGTAGGCAGTCAAGGC.1_6	YUFUB	CD8T 2
## CGTAGGCCAAGAAGAG.1_6	YUFUB	B 2
## CGTAGGCCACGGCTAC.1_6	YUFUB	NK 1
## CGTAGGCGTAAGGGCT.1_6	YUFUB	NK 2
## CGTAGGCGTGCCTGTG.1_6	YUFUB	TNKT 1
## CGTAGGCTCAGACTA.1_6	YUFUB	B 2
## CGTCACTAGATCACGG.1_6	YUFUB	Mono 2
## CGTCACTAGATCTGCT.1_6	YUFUB	B 3
## CGTCACTAGCTGCAAG.1_6	YUFUB	Mono 4
## CGTCACTCATCCCACT.1_6	YUFUB	CD4T 2
## CGTCACTGTATCTGCA.1_6	YUFUB	B 1
## CGTCACTGTATTAGCC.1_6	YUFUB	B 2
## CGTCACTGTGATGTCT.1_6	YUFUB	Mono 8
## CGTCACTGTTGAGTTC.1_6	YUFUB	Mono 3
## CGTCACTTCACCAGGC.1_6	YUFUB	CD4T 5
## CGTCACTTCTATCCCG.1_6	YUFUB	Mono 5

## CGTCAGGAGAGCCTAG.1_6	YUFUB	TNKT 1
## CGTCAGGAGGCAAAGA.1_6	YUFUB	Mono 2
## CGTCAGGAGGGTATCG.1_6	YUFUB	Mono 5
## CGTCAGGGTAGTGAAT.1_6	YUFUB	NK 3
## CGTCAGGGTTAGGGTG.1_6	YUFUB	Mono 3
## CGTCAGGTCATAAAGG.1_6	YUFUB	Mono 4
## CGTCAGGTCTACTATC.1_6	YUFUB	NK 1
## CGTCCATCATCACCT.1_6	YUFUB	B 2
## CGTCCATTCACTTCAT.1_6	YUFUB	CD4T 7
## CGTCCATTCTCCAGGG.1_6	YUFUB	NK 1
## CGTCTACAGACCTTTG.1_6	YUFUB	NK 1
## CGTCTACCAAGTCTAC.1_6	YUFUB	Mono 2
## CGTCTACCAGACAAGC.1_6	YUFUB	CD4T 4
## CGTCTACGTACCAGTT.1_6	YUFUB	CD8T 1
## CGTCTACGTCAGAAGC.1_6	YUFUB	B 1
## CGTCTACGTCTCACCT.1_6	YUFUB	NK 4
## CGTCTACGTTAAAGTG.1_6	YUFUB	CD8T 1
## CGTCTACGTTCAACCA.1_6	YUFUB	TNKT 1
## CGTCTACGTTGAGGTG.1_6	YUFUB	TNKT 1
## CGTCTACTCAACCAAC.1_6	YUFUB	Mono 4
## CGTCTACTCAATACCG.1_6	YUFUB	TNKT 2
## CGTGAGCAGCAATCTC.1_6	YUFUB	Mono 8
## CGTGAGCGTAACGCGA.1_6	YUFUB	CD4T 1
## CGTGAGCGTGCTCTTC.1_6	YUFUB	B 1
## CGTGAGCGTTATCACG.1_6	YUFUB	Mono 2
## CGTGAGCTCATGGTCA.1_6	YUFUB	CD4T 7
## CGTGAGCTCGGCGCAT.1_6	YUFUB	B 2
## CGTGTAATCTCGTTTA.1_6	YUFUB	B 1
## CGTGTAATCTGATACG.1_6	YUFUB	TNKT 1
## CGTGTCTAGTACGACG.1_6	YUFUB	CD8T 1
## CGTGTCTCAAGTAGTA.1_6	YUFUB	Mono 8
## CGTGTCTCAGCGAACA.1_6	YUFUB	Mono 2
## CGTTAGAAGAGGGCTT.1_6	YUFUB	NK 1
## CGTTAGAAGCACCGTC.1_6	YUFUB	Mono 3
## CGTTAGAAGTACCGGA.1_6	YUFUB	B 2
## CGTTAGACACATGGGA.1_6	YUFUB	CD4T 2
## CGTTAGACATTTGCTT.1_6	YUFUB	B 2
## CGTTAGAGTATATGAG.1_6	YUFUB	Mono 9
## CGTTAGATCAACGAAA.1_6	YUFUB	Mono 4
## CGTTAGATCAGCGATT.1_6	YUFUB	B 2
## CGTTAGATCATCATTC.1_6	YUFUB	Mono 5
## CGTTAGATCCAGGGCT.1_6	YUFUB	Mono 1
## CGTTAGATCTGTACGA.1_6	YUFUB	Mono 7
## CGTTAGATCTTGGGTA.1_6	YUFUB	CD4T 7
## CGTTCTGAGAAACCGC.1_6	YUFUB	B 3
## CGTTCTGAGAATGTGT.1_6	YUFUB	B 2
## CGTTCTGAGGCAATTA.1_6	YUFUB	Mono 2
## CGTTCTGCACTAAGTC.1_6	YUFUB	Mono 5
## CGTTCTGCATATGAGA.1_6	YUFUB	Mono 7
## CGTTCTGTGAGAACG.1_6	YUFUB	NK 2
## CGTTCTGTCTATGTGG.1_6	YUFUB	B 1
## CGTTGGGAGATCACGG.1_6	YUFUB	NK 1
## CGTTGGGGTAGTACCT.1_6	YUFUB	CD4T 2
## CGTTGGGGTCGAATCT.1_6	YUFUB	NK 4

## CGTTGGGTCTATCCTA.1_6	YUFUB	CD4T 4
## CGTTGGGTCTGTCTAT.1_6	YUFUB	CD4T 1
## CTAACCTTAGGTGTGGT.1_6	YUFUB	Mono 3
## CTAACCTTCAAACAACA.1_6	YUFUB	NK 4
## CTAACCTTCAATGCCAT.1_6	YUFUB	CD8T 3
## CTAACCTTCAGACGCAA.1_6	YUFUB	Mono 1
## CTAACCTTGTACCGTAT.1_6	YUFUB	Mono 5
## CTAACCTTGTCCGTCAG.1_6	YUFUB	B 2
## CTAACCTTGTGTTGTA.1_6	YUFUB	Mono 1
## CTAACCTTGTCTGGTA.1_6	YUFUB	Mono 4
## CTAACCTTTCGCATGAT.1_6	YUFUB	Mono 8
## CTAACCTTTCGCTTGTC.1_6	YUFUB	NK 1
## CTAAGACCAAGAAGAG.1_6	YUFUB	Mono 1
## CTAAGACCAAGACACG.1_6	YUFUB	TNKT 2
## CTAAGACGTAGCGTAG.1_6	YUFUB	CD4T 1
## CTAAGACTCACAGGCC.1_6	YUFUB	NK 3
## CTAAGACTCACTATTC.1_6	YUFUB	TNKT 1
## CTAAGACTCGCATGGC.1_6	YUFUB	Mono 2
## CTAAGACTCTGTTGAG.1_6	YUFUB	Mono 4
## CTAATGGAGTACGTAA.1_6	YUFUB	CD4T 2
## CTAATGGCAGCCACCA.1_6	YUFUB	NK 1
## CTAATGGCATCCAACA.1_6	YUFUB	Mono 4
## CTAATGGGTGCAGACA.1_6	YUFUB	NK 1
## CTAATGGGTCTGTTT.1_6	YUFUB	NK 4
## CTAATGGTCACAATGC.1_6	YUFUB	B 1
## CTAATGGTCTTCGAGA.1_6	YUFUB	CD4T 3
## CTACACCAGATACACA.1_6	YUFUB	B 1
## CTACACCCATCCCACT.1_6	YUFUB	Mono 4
## CTACACCGTAAACGCG.1_6	YUFUB	CD4T 5
## CTACACCGTAGAAAGG.1_6	YUFUB	CD4T 6
## CTACACCGTCCATGA.1_6	YUFUB	B 3
## CTACACCTCAGCCTAA.1_6	YUFUB	CD4T 1
## CTACACCTCATGGTCA.1_6	YUFUB	TNKT 1
## CTACACCTCGTTACAG.1_6	YUFUB	Mono 9
## CTACATTAGATGTGGC.1_6	YUFUB	NK 4
## CTACATTAGCGTTCCG.1_6	YUFUB	CD4T 2
## CTACATTAGCTGTCTA.1_6	YUFUB	B 1
## CTACATTAGTTAGGTA.1_6	YUFUB	CD4T 4
## CTACATTACATTCTGA.1_6	YUFUB	Mono 2
## CTACATTATTCCTCG.1_6	YUFUB	CD4T 1
## CTACATTGTGTATGGG.1_6	YUFUB	B 3
## CTACATTTCCGCATAA.1_6	YUFUB	Mono 3
## CTACATTTCGGATGGA.1_6	YUFUB	B 1
## CTACATTTCTTCATGT.1_6	YUFUB	NK 3
## CTACCCACAGATCTGT.1_6	YUFUB	CD8T 1
## CTACCCACAGATTGCT.1_6	YUFUB	CD4T 1
## CTACCCACAGGGATTG.1_6	YUFUB	B 1
## CTACCCATCAGGTAAA.1_6	YUFUB	CD4T 1
## CTACCCATCATTGCCC.1_6	YUFUB	Mono 4
## CTACCCATCCACGCAG.1_6	YUFUB	B 1
## CTACGTCAGACTCGGA.1_6	YUFUB	Mono 5
## CTACGTCAGCTAACAA.1_6	YUFUB	TNKT 1
## CTACGTCCAAGACGTG.1_6	YUFUB	NK 1
## CTACGTCCATCACGAT.1_6	YUFUB	B 1

## CTACGTCTCAATAAGG.1_6	YUFUB	CD4T 7
## CTAGAGTAGAAAGTGG.1_6	YUFUB	Mono 4
## CTAGAGTCACGAAGCA.1_6	YUFUB	Mono 3
## CTAGAGTGACCGCTG.1_6	YUFUB	Mono 1
## CTAGAGTGCACTTCC.1_6	YUFUB	B 2
## CTAGAGTGTGATAAGT.1_6	YUFUB	Mono 1
## CTAGAGTGTTAAAGAC.1_6	YUFUB	CD4T 1
## CTAGAGTTCAAGAAGT.1_6	YUFUB	Mono 3
## CTAGAGTTCACTTCAT.1_6	YUFUB	Mono 5
## CTAGAGTTCAGGCCCA.1_6	YUFUB	B 1
## CTAGCCTAGACAAAGG.1_6	YUFUB	Mono 2
## CTAGCCTAGACTTTTCG.1_6	YUFUB	B 2
## CTAGCCTCACGCGAAA.1_6	YUFUB	CD8T 2
## CTAGCCTCATATACGC.1_6	YUFUB	CD8T 1
## CTAGCCTCATCTCCCA.1_6	YUFUB	CD8T 3
## CTAGCCTGTATCGCAT.1_6	YUFUB	CD4T 6
## CTAGCCTTCAATCACG.1_6	YUFUB	Mono 8
## CTAGCCTTCATTATCC.1_6	YUFUB	B 2
## CTAGCCTTCCGATATG.1_6	YUFUB	Mono 7
## CTAGTGAAGCCCAACC.1_6	YUFUB	Mono 4
## CTAGTGAAGCTACCTA.1_6	YUFUB	NK 3
## CTAGTGAAGGATGTAT.1_6	YUFUB	B 1
## CTAGTGACAAGACACG.1_6	YUFUB	CD8T 1
## CTAGTGACAGTGGGAT.1_6	YUFUB	B 2
## CTAGTGATCAACGGGA.1_6	YUFUB	Mono 2
## CTAGTGATCTGCTGCT.1_6	YUFUB	Mono 3
## CTCACACAGAGGTTGC.1_6	YUFUB	Mono 3
## CTCACACAGAGTAATC.1_6	YUFUB	Mono 5
## CTCACACCAAAGTCAA.1_6	YUFUB	NK 3
## CTCACACCACTTCTGC.1_6	YUFUB	Mono 1
## CTCACACCATCAGTAC.1_6	YUFUB	CD4T 6
## CTCACACCATGTAAGA.1_6	YUFUB	CD4T 2
## CTCACACGTAGAGCTG.1_6	YUFUB	CD4T 4
## CTCACACGTCAATACC.1_6	YUFUB	CD4T 6
## CTCACACGTCAATGTC.1_6	YUFUB	TNKT 1
## CTCACACGTCCAAGTT.1_6	YUFUB	CD8T 2
## CTCACACGTGTGGTTT.1_6	YUFUB	NK 3
## CTCAGAAGTAGAGCTG.1_6	YUFUB	Mono 2
## CTCAGAAGTAGGCATG.1_6	YUFUB	Mono 7
## CTCAGAAGTGACTACT.1_6	YUFUB	B 1
## CTCAGAATCAGCATGT.1_6	YUFUB	Mono 4
## CTCAGAATCCGCTGTT.1_6	YUFUB	Mono 4
## CTCAGAATCGGTAAAC.1_6	YUFUB	B 3
## CTCATTACAAGACGTG.1_6	YUFUB	NK 3
## CTCATTACAATGGATA.1_6	YUFUB	CD4T 3
## CTCATTACACCAGTTA.1_6	YUFUB	Mono 7
## CTCATTACATTGGTAC.1_6	YUFUB	Mono 1
## CTCATTAGTGGATAG.1_6	YUFUB	B 2
## CTCATTATCACGGTTA.1_6	YUFUB	NK 4
## CTCCTAGAGACCACGA.1_6	YUFUB	B 1
## CTCCTAGCATCCTAGA.1_6	YUFUB	NK 4
## CTCCTAGTCGGCTACG.1_6	YUFUB	NK 2
## CTCGAAACACGTCTCT.1_6	YUFUB	Mono 3
## CTCGAAACAGTCTTCC.1_6	YUFUB	CD8T 1

## CTCGAAACATTAACCG.1_6	YUFUB	B 1
## CTCGAAATCTCTGTCG.1_6	YUFUB	Mono 3
## CTCGAGGAGACCGGAT.1_6	YUFUB	Mono 1
## CTCGAGGAGCTAGCCC.1_6	YUFUB	Mono 1
## CTCGAGGCACACAGAG.1_6	YUFUB	NK 1
## CTCGAGGCATTGACA.1_6	YUFUB	Mono 3
## CTCGAGGTCCGAATGT.1_6	YUFUB	Mono 3
## CTCGAGGTCTGTGAA.1_6	YUFUB	Mono 5
## CTCGGAGTCGATGAGG.1_6	YUFUB	B 1
## CTCGGAGTCTCGCTTG.1_6	YUFUB	CD4T 2
## CTCGGGAGTCCAGTTA.1_6	YUFUB	B 2
## CTCGGGAGTTACCAGT.1_6	YUFUB	Mono 2
## CTCGTACAGTCAATAG.1_6	YUFUB	Mono 4
## CTCGTACCACAAGTAA.1_6	YUFUB	NK 1
## CTCGTACCACAGTCGC.1_6	YUFUB	CD4T 2
## CTCGTACCACGGCCAT.1_6	YUFUB	CD4T 5
## CTCGTACGTACGCACC.1_6	YUFUB	Mono 3
## CTCGTACGTACCTAA.1_6	YUFUB	CD4T 5
## CTCGTACGTGAGTGAC.1_6	YUFUB	CD4T 4
## CTCGTACGTTACTGAC.1_6	YUFUB	TNKT 1
## CTCGTACTCGCGTTTC.1_6	YUFUB	B 1
## CTCGTCAAGTATTGGA.1_6	YUFUB	B 1
## CTCGTACACCAACCG.1_6	YUFUB	CD4T 3
## CTCGTCAGTACCGCTG.1_6	YUFUB	CD4T 7
## CTCGTCAGTCAATATCG.1_6	YUFUB	CD4T 5
## CTCGTCAGTCTGGCT.1_6	YUFUB	Mono 3
## CTCGTCAGTATCACG.1_6	YUFUB	CD8T 3
## CTCGTCAATCCAGTAGT.1_6	YUFUB	B 1
## CTCGTCAATCCCTTGCA.1_6	YUFUB	NK 2
## CTCTAATGTCCGACGT.1_6	YUFUB	Mono 4
## CTCTAATTCACAAACC.1_6	YUFUB	Mono 4
## CTCTAATTCCTCAGT.1_6	YUFUB	B 2
## CTCTAATTCGCCCTTA.1_6	YUFUB	Mono 8
## CTCTAATTCGGAGGTA.1_6	YUFUB	NK 2
## CTCTAATTTCTATGTGG.1_6	YUFUB	CD4T 1
## CTCTACGAGGTGTGGT.1_6	YUFUB	TNKT 1
## CTCTACGCAATAGCAA.1_6	YUFUB	B 2
## CTCTACGGTAAATGAC.1_6	YUFUB	Mono 8
## CTCTACGGTACCTACA.1_6	YUFUB	Mono 1
## CTCTACGGTGCAACGA.1_6	YUFUB	B 2
## CTCTACGTCAAAGACA.1_6	YUFUB	Mono 8
## CTCTACGTGCGGTTTC.1_6	YUFUB	Mono 8
## CTCTACGTCTGGCGTG.1_6	YUFUB	B 3
## CTCTGGTAGACTTTTCG.1_6	YUFUB	Mono 7
## CTCTGGTAGTCCAGGA.1_6	YUFUB	Mono 8
## CTCTGGTCACATCCAA.1_6	YUFUB	CD4T 3
## CTCTGGTCACCAGGCT.1_6	YUFUB	Mono 1
## CTCTGGTCAGTAAGAT.1_6	YUFUB	NK 1
## CTCTGGTCATGTCGAT.1_6	YUFUB	Mono 3
## CTCTGGTGTCAACATC.1_6	YUFUB	TNKT 1
## CTCTGGTGTCCAAGTT.1_6	YUFUB	NK 4
## CTCTGGTGTGCCTCT.1_6	YUFUB	NK 2
## CTCTGGTTCAGGATCT.1_6	YUFUB	Mono 8
## CTCTGGTTCATAACCG.1_6	YUFUB	Mono 5

## CTCTGGTTCCTAGAAC.1_6	YUFUB	Mono 1
## CTCTGGTTCGGATGTT.1_6	YUFUB	NK 1
## CTGAAACCAAGTCTAC.1_6	YUFUB	Mono 3
## CTGAAACGTCATACTG.1_6	YUFUB	Mono 1
## CTGAAACGTCGGGTCT.1_6	YUFUB	Mono 8
## CTGAAACGTCTGCAAT.1_6	YUFUB	B 1
## CTGAAGTCACATCTTT.1_6	YUFUB	Mono 1
## CTGAAGTGTAAGTGTA.1_6	YUFUB	Mono 5
## CTGAAGTGTGATAAGT.1_6	YUFUB	CD4T 3
## CTGAAGTTCTACTATC.1_6	YUFUB	B 2
## CTGAAGTTCTTTCCTC.1_6	YUFUB	CD4T 1
## CTGATAGAGAATGTTG.1_6	YUFUB	CD4T 4
## CTGATAGAGATGAGAG.1_6	YUFUB	Mono 2
## CTGATAGAGCATCATC.1_6	YUFUB	CD4T 4
## CTGATAGAGGGTGTTG.1_6	YUFUB	CD4T 2
## CTGATAGCATAAGACA.1_6	YUFUB	TNKT 1
## CTGATAGTCCCTCTTT.1_6	YUFUB	Mono 2
## CTGATCCAGGACATTA.1_6	YUFUB	CD4T 3
## CTGATCCTCACGATGT.1_6	YUFUB	CD4T 4
## CTGCCTACAGTATAAG.1_6	YUFUB	B 4
## CTGCCTACATGCGCAC.1_6	YUFUB	NK 2
## CTGCCTACATGGTTGT.1_6	YUFUB	B 2
## CTGCCTAGTACCATCA.1_6	YUFUB	CD4T 3
## CTGCCTAGTAGCGATG.1_6	YUFUB	Mono 4
## CTGCCTAGTGGTCCGT.1_6	YUFUB	Mono 9
## CTGCCTATCAGTACGT.1_6	YUFUB	CD4T 2
## CTGCCTATCATCGATG.1_6	YUFUB	NK 2
## CTGCCTATCCATGAAC.1_6	YUFUB	B 1
## CTGCCTATCTAGCACA.1_6	YUFUB	Mono 1
## CTGCCTATCTCCCTGA.1_6	YUFUB	Mono 4
## CTGCGGAAGACCCACC.1_6	YUFUB	CD4T 2
## CTGCGGAAGTCAAGCG.1_6	YUFUB	B 1
## CTGCGGAAGTTATCGC.1_6	YUFUB	Mono 3
## CTGCGGACATAGAAAC.1_6	YUFUB	B 1
## CTGCGGACATAGGATA.1_6	YUFUB	B 1
## CTGCGGAGTCTCTCTG.1_6	YUFUB	CD8T 1
## CTGCTGTGTAACGCGA.1_6	YUFUB	B 3
## CTGCTGTGTATAATGG.1_6	YUFUB	CD4T 1
## CTGGTCTGTATAGTAG.1_6	YUFUB	Mono 1
## CTGGTCTGTATATGGA.1_6	YUFUB	NK 2
## CTGGTCTGTGGTTTCA.1_6	YUFUB	CD4T 1
## CTGGTCTGTTTACTCT.1_6	YUFUB	NK 2
## CTGGTCTTCTGAGTGT.1_6	YUFUB	CD4T 3
## CTGGTCTTCTGCTGTC.1_6	YUFUB	B 1
## CTGGTCTTCTTGTTTG.1_6	YUFUB	B 3
## CTGTGCTAGCCCAATT.1_6	YUFUB	Mono 4
## CTGTGCTAGTGGTAGC.1_6	YUFUB	Mono 4
## CTGTGCTCAACACCCG.1_6	YUFUB	B 2
## CTGTGCTCAGGGTATG.1_6	YUFUB	B 2
## CTGTGCTTCTCGTTTA.1_6	YUFUB	B 1
## CTGTTTAAGAGAACAG.1_6	YUFUB	CD4T 1
## CTGTTTAAGAGGGATA.1_6	YUFUB	Mono 5
## CTGTTTAAGGGTCGAT.1_6	YUFUB	Mono 4
## CTGTTTACACCGAATT.1_6	YUFUB	B 1

## CTGTTTAGTGTGGT.1_6	YUFUB	NK 4
## CTTAACTAGATCTGCT.1_6	YUFUB	CD4T 1
## CTTAACTCAAGTTAAG.1_6	YUFUB	CD8T 1
## CTTAACTCACATTAGC.1_6	YUFUB	Mono 1
## CTTAACTCAGCGTAAG.1_6	YUFUB	CD4T 7
## CTTAACTGTCTTCAAG.1_6	YUFUB	TNKT 2
## CTTAACTTCCGCTGTT.1_6	YUFUB	Mono 7
## CTTACCGCACGAGGTA.1_6	YUFUB	NK 2
## CTTACCGCAGTAGAGC.1_6	YUFUB	Mono 1
## CTTACCGTCTTACCGC.1_6	YUFUB	CD4T 1
## CTTAGGAAGACAGACC.1_6	YUFUB	Mono 3
## CTTAGGAAGAGTGACC.1_6	YUFUB	CD4T 4
## CTTAGGACACCTTGTC.1_6	YUFUB	B 3
## CTTAGGACACGGATAG.1_6	YUFUB	CD4T 3
## CTTAGGATCACGAAGG.1_6	YUFUB	B 1
## CTTCTCTAGAAAGTGG.1_6	YUFUB	Mono 2
## CTTCTCTAGACGCAAC.1_6	YUFUB	NK 2
## CTTCTCTCAGGGTACA.1_6	YUFUB	Mono 8
## CTTCTCTGTACCATCA.1_6	YUFUB	CD4T 1
## CTTCTCTTCAATCTCT.1_6	YUFUB	TNKT 1
## CTTCTCTTCCTTCAAT.1_6	YUFUB	CD4T 3
## CTTGGCTAGGTTCCCTA.1_6	YUFUB	NK 1
## CTTGGCTGTAGGACAC.1_6	YUFUB	B 1
## CTTGGCTTCGAGAACG.1_6	YUFUB	B 2
## CTTTGCGAGTTCGCGC.1_6	YUFUB	CD4T 1
## CTTTGCGCAGTTCCTT.1_6	YUFUB	TNKT 2
## CTTTGCGGTACGAAAT.1_6	YUFUB	CD8T 1
## CTTTGCGGTGATGATA.1_6	YUFUB	CD4T 2
## CTTTGCGGTGTCCTCT.1_6	YUFUB	B 1
## CTTTGCGGTTGGAGGT.1_6	YUFUB	NK 1
## GAAACTCAGAGGACGG.1_6	YUFUB	CD4T 5
## GAAACTCAGAGTGACC.1_6	YUFUB	Mono 3
## GAAACTCAGGACCACA.1_6	YUFUB	CD4T 4
## GAAACTCAGTAGGCCA.1_6	YUFUB	B 1
## GAAACTCAGTGGTCCC.1_6	YUFUB	Mono 5
## GAAACTCCACGCTTTC.1_6	YUFUB	Mono 8
## GAAACTCCAGGCAGTA.1_6	YUFUB	Mono 4
## GAAACTCCAGGCTGAA.1_6	YUFUB	NK 1
## GAAACTCGTCTCTTG.1_6	YUFUB	CD4T 6
## GAAACTCTCAAACAAG.1_6	YUFUB	CD4T 7
## GAAACTCTCCTCTAGC.1_6	YUFUB	B 1
## GAAACTCTCTTGAGGT.1_6	YUFUB	CD4T 3
## GAAATGAAGCCTATGT.1_6	YUFUB	CD4T 1
## GAAATGAAGGATGGTC.1_6	YUFUB	Mono 4
## GAAATGAGTACCGTAT.1_6	YUFUB	B 2
## GAAATGAGTCCAGTAT.1_6	YUFUB	CD4T 1
## GAAATGATCACAGGCC.1_6	YUFUB	Mono 8
## GAAATGATCACATAGC.1_6	YUFUB	NK 1
## GAACATCAGCACGCCT.1_6	YUFUB	NK 4
## GAACATCAGCGGATCA.1_6	YUFUB	NK 1
## GAACATCTCTCGCTTG.1_6	YUFUB	NK 2
## GAACCTAAGGCTCAGA.1_6	YUFUB	CD8T 2
## GAACCTACAATGGAAT.1_6	YUFUB	CD4T 7
## GAACCTACACCCGAC.1_6	YUFUB	B 3

## GAACCTACACTTACGA.1_6	YUFUB	NK 2
## GAACCTACAGTTCCT.1_6	YUFUB	CD4T 4
## GAACCTACATCTGGTA.1_6	YUFUB	B 3
## GAACCTAGTTCAGGCC.1_6	YUFUB	Mono 4
## GAACCTATCCGTCATC.1_6	YUFUB	Mono 4
## GAACGGAAGCGCCTTG.1_6	YUFUB	Mono 5
## GAACGGAAGTCCATAC.1_6	YUFUB	CD4T 1
## GAACGGAGTTCATGGT.1_6	YUFUB	CD4T 2
## GAACGGATCAGGCAAG.1_6	YUFUB	Mono 5
## GAAGCAGAGCTAGTTC.1_6	YUFUB	CD4T 4
## GAAGCAGCATAAAGGT.1_6	YUFUB	NK 3
## GAAGCAGGTTCACCTC.1_6	YUFUB	CD4T 7
## GAAGCAGTCCTTTCGG.1_6	YUFUB	CD4T 1
## GAAGCAGTCGGTGTTA.1_6	YUFUB	Mono 7
## GAATAAGAGGGATGGG.1_6	YUFUB	CD4T 1
## GAATAAGAGGTCATCT.1_6	YUFUB	Mono 1
## GAATAAGCAACTTGAC.1_6	YUFUB	B 2
## GAATAAGCACAAAGTAA.1_6	YUFUB	CD4T 4
## GAATAAGTCATCTGCC.1_6	YUFUB	CD4T 1
## GAATGAAGTCATATCG.1_6	YUFUB	NK 1
## GAATGAAGTCGATTGT.1_6	YUFUB	B 2
## GAATGAAGTCTCATCC.1_6	YUFUB	B 2
## GAATGAAGTGACGCCT.1_6	YUFUB	NK 1
## GAATGAAGTTTGA CTG.1_6	YUFUB	CD4T 1
## GACACGCAGAGTACCG.1_6	YUFUB	Mono 3
## GACACGCAGTAGTGG.1_6	YUFUB	NK 3
## GACACGCCAGCGTAAG.1_6	YUFUB	CD4T 3
## GACACGCCAGGATTGG.1_6	YUFUB	CD4T 1
## GACACGCTCCAGTATG.1_6	YUFUB	Mono 7
## GACAGAGAGAGTTGGC.1_6	YUFUB	B 3
## GACAGAGAGGCTAGAC.1_6	YUFUB	Mono 3
## GACAGAGAGTCATGCT.1_6	YUFUB	Mono 3
## GACAGAGAGTTACCCA.1_6	YUFUB	CD4T 5
## GACAGAGCAATAGCGG.1_6	YUFUB	CD4T 6
## GACAGAGCATGCTAGT.1_6	YUFUB	Mono 4
## GACAGAGGTGTGACGA.1_6	YUFUB	CD4T 1
## GACAGAGTCATATCGG.1_6	YUFUB	CD4T 2
## GACAGAGTCGCCAGCA.1_6	YUFUB	Mono 1
## GACCAATAGATGGCGT.1_6	YUFUB	CD8T 1
## GACCAATCAATCGAAA.1_6	YUFUB	B 1
## GACCAATCACAAGCCC.1_6	YUFUB	CD8T 1
## GACCAATGTCCTCCA.1_6	YUFUB	CD8T 2
## GACCAATTCAATACCG.1_6	YUFUB	B 1
## GACCTGGCAGTCCTTC.1_6	YUFUB	Mono 3
## GACCTGGTCAGGCAAG.1_6	YUFUB	NK 3
## GACGCGTAGATACACA.1_6	YUFUB	B 1
## GACGCGTAGCTAGTGG.1_6	YUFUB	Mono 3
## GACGCGTAGGCTCATT.1_6	YUFUB	Mono 5
## GACGCGTCATGAGCGA.1_6	YUFUB	B 1
## GACGCGTTCATACGGT.1_6	YUFUB	CD4T 2
## GACGCGTTCTCGAGTA.1_6	YUFUB	B 1
## GACGGCTAGAAGAAGC.1_6	YUFUB	Mono 1
## GACGGCTAGTTTCCTT.1_6	YUFUB	NK 4
## GACGGCTCAAAC TGCT.1_6	YUFUB	Mono 9

## GACGGCTCACCCATGG.1_6	YUFUB	NK 3
## GACGGCTCAGGGAGAG.1_6	YUFUB	B 1
## GACGGCTGTGCACGAA.1_6	YUFUB	B 2
## GACGGCTGTTACCTC.1_6	YUFUB	Mono 4
## GACGTGCAGCTTTGGT.1_6	YUFUB	CD4T 7
## GACGTGCCAAGAGTCG.1_6	YUFUB	NK 4
## GACGTGCCAATAAGCA.1_6	YUFUB	B 1
## GACGTGCCATGGTAGG.1_6	YUFUB	Mono 5
## GACGTGCGTACCTACA.1_6	YUFUB	NK 1
## GACGTGCGTCGCCATG.1_6	YUFUB	B 1
## GACGTGCGTGAACCTT.1_6	YUFUB	CD8T 1
## GACGTGCTCCCATTTA.1_6	YUFUB	TNKT 1
## GACGTGCTCGTCACGG.1_6	YUFUB	Mono 4
## GACGTTAAGCTGTTCA.1_6	YUFUB	Mono 3
## GACGTTAGTGGTAACG.1_6	YUFUB	Mono 2
## GACGTTATCGAGCCCA.1_6	YUFUB	B 2
## GACGTTATCGCTGATA.1_6	YUFUB	CD4T 6
## GACGTTATCTTCGAGA.1_6	YUFUB	B 1
## GACTAACAGTCTCGGC.1_6	YUFUB	Mono 5
## GACTAACCAAGCCTAT.1_6	YUFUB	NK 2
## GACTAACCCACTGGTG.1_6	YUFUB	B 2
## GACTAACCCAGCTGTAT.1_6	YUFUB	Mono 5
## GACTAACTCTGTTGAG.1_6	YUFUB	Mono 5
## GACTACAAGACCTTTG.1_6	YUFUB	CD8T 1
## GACTACAAGATCACGG.1_6	YUFUB	NK 2
## GACTACAAGCGAGAAA.1_6	YUFUB	Mono 2
## GACTACACAGTAAGCG.1_6	YUFUB	Mono 8
## GACTACATCGCGTAGC.1_6	YUFUB	Mono 3
## GACTGCGAGGCCCGTT.1_6	YUFUB	B 3
## GACTGCGGTAAAGTCA.1_6	YUFUB	CD4T 6
## GAGCAGAAGCCGCCTA.1_6	YUFUB	CD4T 3
## GAGCAGAGTTACGACT.1_6	YUFUB	CD4T 1
## GAGGTGAAGAACTGTA.1_6	YUFUB	CD4T 7
## GAGGTGACACATCCAA.1_6	YUFUB	Mono 3
## GAGGTGACACCCTATC.1_6	YUFUB	Mono 3
## GAGGTGACATGGTTGT.1_6	YUFUB	CD4T 2
## GAGGTGAGTAGGCATG.1_6	YUFUB	Mono 4
## GAGGTGAGTGAGGCTA.1_6	YUFUB	CD8T 1
## GAGGTGAGTCCCGAG.1_6	YUFUB	B 3
## GAGTCCGCAAAGTGCG.1_6	YUFUB	Mono 1
## GAGTCCGCAAGACACG.1_6	YUFUB	CD4T 7
## GAGTCCGCACCCAGTG.1_6	YUFUB	B 2
## GAGTCCGCACCCATGG.1_6	YUFUB	B 1
## GAGTCCGCAGTCGTGC.1_6	YUFUB	B 3
## GATCAGTAGCGTAGTG.1_6	YUFUB	B 1
## GATCAGTAGCTAGCCC.1_6	YUFUB	NK 1
## GATCAGTAGTCCAGGA.1_6	YUFUB	CD4T 1
## GATCAGTAGTGGACGT.1_6	YUFUB	Mono 1
## GATCAGTAGTTAGGTA.1_6	YUFUB	CD4T 5
## GATCAGTCAACGATGG.1_6	YUFUB	B 1
## GATCAGTGTCATTAGC.1_6	YUFUB	NK 3
## GATCAGTGCTTGATG.1_6	YUFUB	NK 3
## GATCAGTGTGAGTTC.1_6	YUFUB	B 1
## GATCGATAGGCCCTTG.1_6	YUFUB	CD4T 1

## GATCGATAGTAACCCT.1_6	YUFUB	TNKT 1
## GATCGATCAATCAGAA.1_6	YUFUB	TNKT 1
## GATCGATCATAGACTC.1_6	YUFUB	Mono 9
## GATCGATTATATCGG.1_6	YUFUB	CD4T 6
## GATCGATTCCGTAGGC.1_6	YUFUB	CD4T 6
## GATCGATTCTTGCCGT.1_6	YUFUB	Mono 3
## GATCGCGAGGACCACA.1_6	YUFUB	Mono 3
## GATCGCGAGTACATGA.1_6	YUFUB	B 3
## GATCGCGCAATTCCTT.1_6	YUFUB	B 3
## GATCGCGGTACAGTTC.1_6	YUFUB	NK 3
## GATCGCGGTACCGCTG.1_6	YUFUB	B 1
## GATCGCGGTCTACCTC.1_6	YUFUB	DC 1
## GATCGCGTCACTTACT.1_6	YUFUB	Mono 8
## GATCGCGTCAGGATCT.1_6	YUFUB	CD4T 3
## GATCGCGTCCTGCCAT.1_6	YUFUB	CD8T 3
## GATCGTAAGATGTAAC.1_6	YUFUB	TNKT 1
## GATCGTACAAGCTGGA.1_6	YUFUB	CD4T 2
## GATCGTAGTCAACATC.1_6	YUFUB	B 2
## GATCGTAGTTGAACTC.1_6	YUFUB	CD4T 3
## GATCGTATCACAGGCC.1_6	YUFUB	Mono 2
## GATCGTATCGGAATCT.1_6	YUFUB	B 2
## GATCGTATCTGTCTCG.1_6	YUFUB	TNKT 2
## GATCTAGAGCTGGAAC.1_6	YUFUB	Mono 5
## GATCTAGAGGCTCAGA.1_6	YUFUB	B 3
## GATCTAGCAAAGGCGT.1_6	YUFUB	CD4T 1
## GATCTAGCACACCGCA.1_6	YUFUB	B 1
## GATCTAGGTGTGGCTC.1_6	YUFUB	NK 3
## GATCTAGTCCCATTTA.1_6	YUFUB	TNKT 1
## GATCTAGTCCTCATT.1_6	YUFUB	Mono 4
## GATCTAGTCTATGTGG.1_6	YUFUB	TNKT 2
## GATGAAAAGCGTGAAC.1_6	YUFUB	CD4T 3
## GATGAAAAGTGAACGC.1_6	YUFUB	CD4T 1
## GATGAAAAGTGCGATG.1_6	YUFUB	Mono 3
## GATGAAACAAGTAATG.1_6	YUFUB	NK 1
## GATGAAAGTACCATCA.1_6	YUFUB	TNKT 1
## GATGAAAGTCTCAACA.1_6	YUFUB	Mono 4
## GATGAGGCAAGGACTG.1_6	YUFUB	CD4T 6
## GATGAGGCAATAGCAA.1_6	YUFUB	Mono 2
## GATGAGGCACGACTCG.1_6	YUFUB	Mono 4
## GATGAGGCATTTCACT.1_6	YUFUB	Mono 7
## GATGAGGGTAATTGGA.1_6	YUFUB	TNKT 2
## GATGAGGTCAACACTG.1_6	YUFUB	Mono 7
## GATGAGGTCAACGGCC.1_6	YUFUB	CD4T 2
## GATGCTAAGACAGACC.1_6	YUFUB	TNKT 1
## GATGCTACACCGAATT.1_6	YUFUB	CD4T 3
## GATGCTACAGCAGTTT.1_6	YUFUB	B 1
## GATGCTATCAGGATCT.1_6	YUFUB	Mono 1
## GATGCTATCATCTGTT.1_6	YUFUB	B 2
## GATGCTATCTGTACGA.1_6	YUFUB	B 3
## GATTACAGAGACGCTTT.1_6	YUFUB	NK 4
## GATTACAGTCTCGGACG.1_6	YUFUB	Mono 8
## GCAAACCTCAAGCTGAG.1_6	YUFUB	NK 1
## GCAAACCTCAGGCTCAC.1_6	YUFUB	Mono 7
## GCAAACCTCATCCAACA.1_6	YUFUB	NK 2

## GCAAACGTGTGATGTGG.1_6	YUFUB	NK 3
## GCAAACGTGTGTACAC.1_6	YUFUB	TNKT 2
## GCAAACGTTACCGGGT.1_6	YUFUB	Mono 7
## GCAAACGTTACGGTTA.1_6	YUFUB	CD4T 1
## GCAAACGTTCCGTCATC.1_6	YUFUB	CD4T 6
## GCAATCAAGGTGCACA.1_6	YUFUB	Mono 2
## GCAATCACACATTAGC.1_6	YUFUB	CD8T 1
## GCAATCACAGACTCGC.1_6	YUFUB	Mono 5
## GCAATCAGTAATAGCA.1_6	YUFUB	B 2
## GCAATCAGTATAGGTA.1_6	YUFUB	CD4T 3
## GCAATCAGTATTCTCT.1_6	YUFUB	Mono 2
## GCAATCAGTCTAACGT.1_6	YUFUB	CD4T 1
## GCAATCATCAAGAAGT.1_6	YUFUB	TNKT 1
## GCAATCATCGATCCCT.1_6	YUFUB	TNKT 1
## GCAATCATCTTCGGTC.1_6	YUFUB	B 2
## GCACATAAGAAACCGC.1_6	YUFUB	TNKT 1
## GCACATAAGCACACAG.1_6	YUFUB	CD4T 2
## GCACATACAGATTGCT.1_6	YUFUB	NK 1
## GCACATACAGGTCCAC.1_6	YUFUB	TNKT 1
## GCACATAGTGCTAGCC.1_6	YUFUB	CD4T 4
## GCACATAGTGCTGTAT.1_6	YUFUB	B 1
## GCACATAGTGTCGCTG.1_6	YUFUB	B 3
## GCACATATCCGCATCT.1_6	YUFUB	NK 4
## GCACATATCGCGTTTC.1_6	YUFUB	B 1
## GCACTCTAGTCCGGTC.1_6	YUFUB	NK 1
## GCACTCTCAACTGCGC.1_6	YUFUB	NK 4
## GCACTCTCACACTGCG.1_6	YUFUB	CD4T 1
## GCACTCTCAGATGGGT.1_6	YUFUB	B 1
## GCACTCTGTAAGGGCT.1_6	YUFUB	Mono 3
## GCACTCTGTGAGGCTA.1_6	YUFUB	B 1
## GCACTCTTCCCTTGCA.1_6	YUFUB	CD8T 2
## GCACTCTTCTTATTCA.1_6	YUFUB	Mono 1
## GCACTCTTCGGACAAG.1_6	YUFUB	TNKT 1
## GCACTCTTCTCTTGAT.1_6	YUFUB	B 1
## GCAGCCAAGAAAGTGG.1_6	YUFUB	Mono 8
## GCAGCCAAGAACAATC.1_6	YUFUB	B 2
## GCAGCCAAGAATGTGT.1_6	YUFUB	Mono 5
## GCAGCCAAGGGAACGG.1_6	YUFUB	NK 2
## GCAGCCAAGGGCATGT.1_6	YUFUB	B 3
## GCAGCCAGTCCCGACA.1_6	YUFUB	B 2
## GCAGCCAGTTCAACCA.1_6	YUFUB	NK 3
## GCAGCCAGTTTGACAC.1_6	YUFUB	B 1
## GCAGCCATCATCGATG.1_6	YUFUB	CD8T 3
## GCAGCCATCGACCAGC.1_6	YUFUB	Mono 1
## GCAGTTAGTTCGGCAC.1_6	YUFUB	Mono 3
## GCATACAAGCCCAACC.1_6	YUFUB	Mono 9
## GCATACAAGTACGACG.1_6	YUFUB	Mono 3
## GCATACACAACACCTA.1_6	YUFUB	B 2
## GCATACACAGCATGAG.1_6	YUFUB	Mono 5
## GCATACACATTCTGCT.1_6	YUFUB	B 1
## GCATACAGTGTGTTGGT.1_6	YUFUB	Mono 3
## GCATACAGTTAAGAAC.1_6	YUFUB	CD4T 3
## GCATACATCGGCGGTT.1_6	YUFUB	CD4T 4
## GCATACATCTTAGAGC.1_6	YUFUB	Mono 4

## GCATGATAGTTTAGGA.1_6	YUFUB	CD4T 5
## GCATGATCACTGTTAG.1_6	YUFUB	B 1
## GCATGATCATCCAACA.1_6	YUFUB	NK 3
## GCATGATTCAACACAC.1_6	YUFUB	CD4T 5
## GCATGCGAGAACAAC.1_6	YUFUB	Mono 5
## GCATGCGAGTACGTTC.1_6	YUFUB	Mono 9
## GCATGCGGTAATTGGA.1_6	YUFUB	B 1
## GCATGCGTCTGCAGTA.1_6	YUFUB	Mono 1
## GCATGTAAGATGCCAG.1_6	YUFUB	NK 2
## GCATGTACAAAGGAAG.1_6	YUFUB	Mono 2
## GCATGTACATGACGGA.1_6	YUFUB	CD8T 1
## GCATGTAGTACGACCC.1_6	YUFUB	B 2
## GCATGTAGTATATGGA.1_6	YUFUB	CD4T 3
## GCATGTAGTCAATACC.1_6	YUFUB	Mono 8
## GCATGTAGTCAATGTC.1_6	YUFUB	NK 1
## GCATGTAGTTAAAGTG.1_6	YUFUB	Mono 7
## GCATGTAGTTTGGCGC.1_6	YUFUB	Mono 3
## GCATGTATCTGAGTGT.1_6	YUFUB	NK 2
## GCATGTATCTGCCAGG.1_6	YUFUB	NK 1
## GCCAAATAGGGCTCTC.1_6	YUFUB	CD4T 2
## GCCAAATCAGACAGGT.1_6	YUFUB	CD4T 1
## GCCAAATGTCTAGCCG.1_6	YUFUB	CD4T 5
## GCCAAATGTTTGTTC.1_6	YUFUB	CD4T 6
## GCCAAATTCACGCGGT.1_6	YUFUB	B 1
## GCCAAATTCGTAGGTT.1_6	YUFUB	NK 4
## GCCTCTAAGACTTGAA.1_6	YUFUB	Mono 8
## GCCTCTAAGTGTCAT.1_6	YUFUB	Mono 3
## GCCTCTACAGCGTTTCG.1_6	YUFUB	TNKT 1
## GCCTCTAGTGATGATA.1_6	YUFUB	Mono 4
## GCCTCTATCTCGTTTA.1_6	YUFUB	B 1
## GCGACCACAACCGCCA.1_6	YUFUB	CD4T 3
## GCGACCATCAATCTCT.1_6	YUFUB	B 2
## GCGACCATCAGGCAAG.1_6	YUFUB	B 1
## GCGACCATCAGGCGAA.1_6	YUFUB	CD8T 1
## GCGACCATCCAATGGT.1_6	YUFUB	B 2
## GCGACCATCGAGAACG.1_6	YUFUB	Mono 8
## GCGACCATCTCACATT.1_6	YUFUB	CD8T 1
## GCGAGAAAGGGCTTGA.1_6	YUFUB	Mono 5
## GCGAGAACAGCTGCTG.1_6	YUFUB	NK 4
## GCGAGAAGTGAICTAT.1_6	YUFUB	Mono 3
## GCGCAACAGAAACCAT.1_6	YUFUB	CD4T 2
## GCGCAACCAAACCTAC.1_6	YUFUB	NK 1
## GCGCAACCAGTATCTG.1_6	YUFUB	CD4T 1
## GCGCAACTCAAAGACA.1_6	YUFUB	CD4T 3
## GCGCAGTGTAAAGTAG.1_6	YUFUB	Mono 8
## GCGCAGTGTGTGACCC.1_6	YUFUB	NK 3
## GCGCAGTGTAAAGTG.1_6	YUFUB	NK 2
## GCGCAGTTCACAACGT.1_6	YUFUB	CD4T 4
## GCGCAGTTCCTGTACC.1_6	YUFUB	NK 1
## GCGCAGTTCGTATACG.1_6	YUFUB	Mono 8
## GCGCCAAGTGCAACTT.1_6	YUFUB	CD4T 2
## GCGCCAAGTTAGATGA.1_6	YUFUB	CD8T 1
## GCGCGATAGCGATAGC.1_6	YUFUB	CD4T 6
## GCGCGATGTAAACGCG.1_6	YUFUB	Mono 4

## GCGCGATGTGGTAACG.1_6	YUFUB	CD4T 4
## GCGCGATTCCAGAGGA.1_6	YUFUB	Mono 3
## GCGCGATTCGTTTGCC.1_6	YUFUB	NK 1
## GCGGGTTAGAAGGCCT.1_6	YUFUB	B 1
## GCGGGTTAGCCGCCTA.1_6	YUFUB	CD4T 4
## GCGGGTTGTACTTAGC.1_6	YUFUB	Mono 1
## GCGGGTTGTCTAGTCA.1_6	YUFUB	CD4T 6
## GCGGGTTTCAAAGACA.1_6	YUFUB	Mono 2
## GCGGGTTTCCTTGACC.1_6	YUFUB	NK 2
## GCGGGTTTCGCATGAT.1_6	YUFUB	Mono 5
## GCTCCTAAGCTAACTC.1_6	YUFUB	B 3
## GCTCCTACAGACAAAT.1_6	YUFUB	B 2
## GCTCCTAGTCACACGC.1_6	YUFUB	CD4T 1
## GCTCCTATCCGTCAA.1_6	YUFUB	NK 3
## GCTCTGTAGAAAACCAT.1_6	YUFUB	B 2
## GCTCTGTAGCTAAGAT.1_6	YUFUB	CD4T 4
## GCTCTGTAGGGCTTCC.1_6	YUFUB	Mono 7
## GCTCTGTAGTTGAGTA.1_6	YUFUB	NK 4
## GCTCTGTCAGGCTCAC.1_6	YUFUB	CD4T 7
## GCTCTGTGTTCCAACA.1_6	YUFUB	Mono 4
## GCTCTGTGTTGCGCAC.1_6	YUFUB	Mono 8
## GCTCTGTTCCAACCAA.1_6	YUFUB	CD4T 1
## GCTGCAGAGAATTCCC.1_6	YUFUB	Mono 7
## GCTGCAGAGACCCACC.1_6	YUFUB	Mono 1
## GCTGCAGAGGGCTCTC.1_6	YUFUB	B 1
## GCTGCAGCAGTAAGAT.1_6	YUFUB	NK 1
## GCTGCAGGTCAAAGAT.1_6	YUFUB	B 1
## GCTGCAGTCTAAGCCA.1_6	YUFUB	B 2
## GCTGCGAAGATAGGAG.1_6	YUFUB	Mono 5
## GCTGCGAAGCAATATG.1_6	YUFUB	B 1
## GCTGCGACACACCGCA.1_6	YUFUB	B 2
## GCTGCGAGTGTTAAGA.1_6	YUFUB	CD4T 1
## GCTGCTTGTCGCATAT.1_6	YUFUB	CD4T 1
## GCTGCTTTCCATTCTA.1_6	YUFUB	Mono 1
## GCTGCTTTGCGGATC.1_6	YUFUB	TNKT 1
## GCTGGGTAGAGTAAGG.1_6	YUFUB	Mono 5
## GCTGGGTAGATTACCC.1_6	YUFUB	NK 1
## GCTGGGTAGCTAACTC.1_6	YUFUB	Mono 5
## GCTGGGTGTCCGTCAG.1_6	YUFUB	Mono 3
## GCTGGGTTACCGTAA.1_6	YUFUB	Mono 2
## GCTTCCAAGGCTAGCA.1_6	YUFUB	Mono 4
## GCTTCCACACAGATTC.1_6	YUFUB	B 2
## GCTTCCACAGCGAACA.1_6	YUFUB	Mono 7
## GCTTCCACATTCACTT.1_6	YUFUB	NK 1
## GCTTCCACATTCTTAC.1_6	YUFUB	CD4T 2
## GCTTCCAGTCACAAGG.1_6	YUFUB	Mono 8
## GCTTCCATCACCGTAA.1_6	YUFUB	CD4T 3
## GCTTCCATCCTGTAGA.1_6	YUFUB	NK 2
## GCTTGAAAGTTAGCGG.1_6	YUFUB	NK 1
## GCTTGAACAATAGCAA.1_6	YUFUB	Mono 5
## GCTTGAAGTAATAGCA.1_6	YUFUB	B 1
## GCTTGAAGTGGTCCGT.1_6	YUFUB	NK 1
## GCTTGAATCAAGAAGT.1_6	YUFUB	NK 3
## GCTTGAATCTGAGGGA.1_6	YUFUB	NK 4

## GGAAAGCAGCGTTGCC.1_6	YUFUB	CD4T 7
## GGAAAGCAGGCTAGCA.1_6	YUFUB	NK 1
## GGAAAGCCACCATGTA.1_6	YUFUB	NK 4
## GGAAAGCCAGGGTTAG.1_6	YUFUB	Mono 7
## GGAAAGCCAGTCCTTC.1_6	YUFUB	CD4T 1
## GGAAAGCTCACTTATC.1_6	YUFUB	B 1
## GGAAAGCTCCAGAAGG.1_6	YUFUB	TNKT 1
## GGAAAGCTCGCCATAA.1_6	YUFUB	CD4T 7
## GGAACCTTAGAGTAATC.1_6	YUFUB	Mono 5
## GGAACCTTAGGGCACTA.1_6	YUFUB	NK 3
## GGAACCTTCATGCCCGA.1_6	YUFUB	Mono 2
## GGAACCTTGTAATCGTC.1_6	YUFUB	NK 4
## GGAACCTTTCAAGAAGT.1_6	YUFUB	B 2
## GGAATAAAGTGAACGC.1_6	YUFUB	CD8T 2
## GGAATAAGTGACAAAT.1_6	YUFUB	CD4T 2
## GGACAAGAGATCTGCT.1_6	YUFUB	Mono 7
## GGACAAGCAAACAACA.1_6	YUFUB	CD4T 3
## GGACAAGGTGACCAAG.1_6	YUFUB	DC 1
## GGACAAGGTGGGTCAA.1_6	YUFUB	B 3
## GGACAAGGTTATGTGC.1_6	YUFUB	CD4T 1
## GGACAAGTCCCATTAT.1_6	YUFUB	Mono 3
## GGACAAGTCGAGGTAG.1_6	YUFUB	B 6
## GGACAAGTCTAGAGTC.1_6	YUFUB	Mono 5
## GGACAGAAGTAACCCT.1_6	YUFUB	CD4T 7
## GGACAGACACCGCTAG.1_6	YUFUB	Mono 4
## GGACAGACACGGTAAG.1_6	YUFUB	NK 3
## GGACAGACACTGTGTA.1_6	YUFUB	CD4T 1
## GGACAGAGTAAATGAC.1_6	YUFUB	NK 2
## GGACAGAGTGTAACGG.1_6	YUFUB	Mono 3
## GGACAGATCTCCCTGA.1_6	YUFUB	B 2
## GGACATTAGCTAAGAT.1_6	YUFUB	Mono 3
## GGACATTAGTATCGAA.1_6	YUFUB	CD4T 3
## GGACATTACGCATCG.1_6	YUFUB	B 1
## GGACATTCAATTATCTC.1_6	YUFUB	CD4T 7
## GGACATTGTAAGGATT.1_6	YUFUB	Mono 3
## GGACATTGTAGAAAGG.1_6	YUFUB	CD4T 2
## GGACATTGTATGAATG.1_6	YUFUB	CD4T 4
## GGACATTTACCGTAA.1_6	YUFUB	NK 2
## GGACATTTCCCATTTA.1_6	YUFUB	B 1
## GGACGTCAGTATCTCG.1_6	YUFUB	Mono 3
## GGACGTCCACCATCCT.1_6	YUFUB	CD4T 3
## GGACGTCCATCTGGTA.1_6	YUFUB	CD4T 1
## GGAGCAAAGGCTCATT.1_6	YUFUB	B 3
## GGAGCAAAGTGGTAGC.1_6	YUFUB	Mono 8
## GGAGCAACAGACGCCT.1_6	YUFUB	Mono 3
## GGAGCAAGTTGTCTTT.1_6	YUFUB	B 2
## GGAGCAATCGCAAAC.1_6	YUFUB	B 1
## GGAGCAATCTTACCGC.1_6	YUFUB	CD4T 4
## GGATGTTGTGCCTTGG.1_6	YUFUB	Mono 4
## GGATGTTTCCTTTCTC.1_6	YUFUB	CD4T 3
## GGATTACAGACAGACC.1_6	YUFUB	Mono 7
## GGATTACAGCTCCCAG.1_6	YUFUB	CD4T 7
## GGATTACAGTGAATTG.1_6	YUFUB	NK 4
## GGATTACCACGACTCG.1_6	YUFUB	Mono 8

## GGATTACGTCCGTGAC.1_6	YUFUB	CD4T 1
## GGATTACGTTCCCTTG.1_6	YUFUB	Mono 1
## GGATTACTCAGTTTGG.1_6	YUFUB	NK 1
## GGATTACTCGAGGTAG.1_6	YUFUB	Mono 3
## GGCAATTAGCACACAG.1_6	YUFUB	Mono 4
## GGCAATTAGGGTGTGT.1_6	YUFUB	Mono 3
## GGCAATTAGTGTGAA.1_6	YUFUB	Mono 1
## GGCAATTCAATCAGAA.1_6	YUFUB	TNKT 1
## GGCAATTCAATCCGAT.1_6	YUFUB	B 1
## GGCAATTCACGGACAA.1_6	YUFUB	CD4T 1
## GGCAATTGTTGTGGCC.1_6	YUFUB	CD4T 3
## GGCAATTTCAACGGCC.1_6	YUFUB	NK 2
## GGCCGATAGCTAAACA.1_6	YUFUB	CD4T 3
## GGCCGATAGTCAAGCG.1_6	YUFUB	Mono 7
## GGCCGATCACGTCTCT.1_6	YUFUB	NK 2
## GGCCGATGTTCGTGAT.1_6	YUFUB	CD4T 1
## GGCCGATTCGACGGAA.1_6	YUFUB	TNKT 1
## GGCGACTAGACTACAA.1_6	YUFUB	NK 3
## GGCGACTCACTACAGT.1_6	YUFUB	NK 1
## GGCGACTCACTGTGTA.1_6	YUFUB	TNKT 1
## GGCGACTCACTTACGA.1_6	YUFUB	CD4T 1
## GGCGACTCAGCATGAG.1_6	YUFUB	TNKT 1
## GGCGACTCATCTCGCT.1_6	YUFUB	Mono 5
## GGCGTGTTCATGCTC.1_6	YUFUB	NK 3
## GGCGTGTTCGTCGTTT.1_6	YUFUB	CD4T 7
## GGCTCGAAGCTAGTTC.1_6	YUFUB	CD4T 4
## GGCTCGAAGGATTCGG.1_6	YUFUB	Mono 3
## GGCTCGACATGACGGA.1_6	YUFUB	NK 2
## GGCTCGAGTAGAGGAA.1_6	YUFUB	B 1
## GGCTCGATCACCTCA.1_6	YUFUB	B 3
## GGCTCGATCAGCGATT.1_6	YUFUB	Mono 3
## GGCTGGTAGCTGATAA.1_6	YUFUB	B 1
## GGCTGGTCAGCTCGCA.1_6	YUFUB	NK 1
## GGCTGGTCATCTGGTA.1_6	YUFUB	B 1
## GGCTGGTTCAGGTTCA.1_6	YUFUB	Mono 1
## GGCTGGTTCGTTTATC.1_6	YUFUB	CD4T 2
## GGCTGGTTCTAACCGA.1_6	YUFUB	B 2
## GGGAATGAGCCCAGCT.1_6	YUFUB	NK 3
## GGGAATGCACTCTGTC.1_6	YUFUB	Mono 1
## GGGAATGCATTGGGCC.1_6	YUFUB	CD4T 7
## GGGAATGGTCTAGTCA.1_6	YUFUB	Mono 3
## GGGACCTCAAACAACA.1_6	YUFUB	TNKT 1
## GGGACCTCACGTTGGC.1_6	YUFUB	CD4T 6
## GGGACCTCAGGACCTT.1_6	YUFUB	CD4T 3
## GGGACCTGTGCATCTA.1_6	YUFUB	Mono 3
## GGGAGATGTAGCGTCC.1_6	YUFUB	CD4T 1
## GGGAGATGTTGGGACA.1_6	YUFUB	B 1
## GGGAGATTCACGCGGT.1_6	YUFUB	Mono 8
## GGGAGATTCATGCATG.1_6	YUFUB	Mono 5
## GGGATGAAGTTACGGG.1_6	YUFUB	Mono 8
## GGGATGACAGTTCATG.1_6	YUFUB	B 3
## GGGATGAGTGCAGACA.1_6	YUFUB	CD4T 2
## GGGATGAGTGTAAAGTA.1_6	YUFUB	NK 2
## GGGATGATCAGTTTGG.1_6	YUFUB	Mono 3

## GGGCACTAGACATAAC.1_6	YUFUB	B 1
## GGGCACTAGGCCCTCA.1_6	YUFUB	TNKT 1
## GGGCACTCAACGATGG.1_6	YUFUB	CD8T 2
## GGGCACTCAACTGCTA.1_6	YUFUB	Mono 3
## GGGCACTGTAAGCACG.1_6	YUFUB	NK 2
## GGGCACTGTATGGTTC.1_6	YUFUB	Mono 2
## GGGCACTGTTCCACAA.1_6	YUFUB	CD4T 4
## GGGCACTTCAGCTCTC.1_6	YUFUB	CD4T 1
## GGGCACTTCATGTCTT.1_6	YUFUB	Mono 1
## GGGCACTTCCGCAGTG.1_6	YUFUB	Mono 3
## GGGCATCGTCTGGAGA.1_6	YUFUB	Mono 2
## GGGCATCGTGCCTGTG.1_6	YUFUB	CD8T 2
## GGGCATCGTTACCGAT.1_6	YUFUB	NK 2
## GGGCATCTCATGTGGT.1_6	YUFUB	CD4T 1
## GGGTCTGAGATATGGT.1_6	YUFUB	B 1
## GGGTCTGAGGACAGCT.1_6	YUFUB	B 1
## GGGTCTGTCCGGCACA.1_6	YUFUB	CD4T 5
## GGGTCTGTCTGACGGC.1_6	YUFUB	Mono 1
## GGGTCTGTCTGCCGTT.1_6	YUFUB	Mono 1
## GGGTCTGTCTAACCGA.1_6	YUFUB	Mono 4
## GGGTTGCAGAGCTGGT.1_6	YUFUB	Mono 7
## GGGTTGCCAAACCTAC.1_6	YUFUB	NK 1
## GGGTTGCGTCACCCAG.1_6	YUFUB	B 1
## GGGTTGCGTGAACCTT.1_6	YUFUB	Mono 7
## GGGTTGCGTGAATCAT.1_6	YUFUB	B 1
## GGTATTGAGTTGAGAT.1_6	YUFUB	Mono 3
## GGTATTGTCAAGGTAA.1_6	YUFUB	CD4T 3
## GGTATTGTCCGGCACA.1_6	YUFUB	CD4T 1
## GGTATTGTCTGCAGTA.1_6	YUFUB	Mono 4
## GGTGAAGAGTACGATA.1_6	YUFUB	B 2
## GGTGAAGCATCCTAGA.1_6	YUFUB	Mono 7
## GGTGAAGGTGACTCAT.1_6	YUFUB	Mono 5
## GGTGAAGTCATGGTCA.1_6	YUFUB	Mono 5
## GGTGAAGTCATTATCC.1_6	YUFUB	CD4T 3
## GGTGAAGTCGAATGCT.1_6	YUFUB	CD4T 1
## GGTGCGTAGCGATCCC.1_6	YUFUB	CD4T 1
## GGTGCGTCAAACCTGCT.1_6	YUFUB	NK 2
## GGTGCGTCAAGGACTG.1_6	YUFUB	CD4T 2
## GGTGCGTCAGTTCATG.1_6	YUFUB	CD8T 1
## GGTGCGTGTCAACATC.1_6	YUFUB	CD4T 6
## GGTGCGTGTTGTTTC.1_6	YUFUB	B 2
## GGTGCGTTCGCAAGC.1_6	YUFUB	CD4T 4
## GGTGTTAAGCAATCTC.1_6	YUFUB	Mono 4
## GGTGTTACATCCGGGT.1_6	YUFUB	B 2
## GGTGTTAGTACAGACG.1_6	YUFUB	B 3
## GGTGTTATCAAGAAGT.1_6	YUFUB	CD4T 5
## GGTGTTATCCGTTGCT.1_6	YUFUB	Mono 2
## GGTGTTATCGCAAACCT.1_6	YUFUB	TNKT 1
## GGTGTTATCTTCATGT.1_6	YUFUB	CD4T 2
## GTAACGTAGCCGTCGT.1_6	YUFUB	CD4T 1
## GTAACGTCAAGTCTAC.1_6	YUFUB	B 2
## GTAACGTGTACAAGG.1_6	YUFUB	NK 1
## GTAACGTGTCTCATCC.1_6	YUFUB	Mono 3
## GTAACGTGTGAGGGTT.1_6	YUFUB	TNKT 1

## GTAACGTGTGGGTATG.1_6	YUFUB	CD4T 1
## GTAACGTTCCATGCTC.1_6	YUFUB	CD8T 1
## GTAACGTTCCGCTGTT.1_6	YUFUB	CD4T 4
## GTAACGTTCTGTCTAT.1_6	YUFUB	Mono 2
## GTAACGTTCTTGTACT.1_6	YUFUB	NK 1
## GTAACGTGCAACGGCC.1_6	YUFUB	B 3
## GTAACGTGTCGTACGGC.1_6	YUFUB	CD4T 2
## GTAACGTGTCGTAGGAG.1_6	YUFUB	B 1
## GTACGTAAAGTCGTACT.1_6	YUFUB	NK 3
## GTACGTACAATGTTGC.1_6	YUFUB	Mono 4
## GTACGTACACAGATTC.1_6	YUFUB	B 2
## GTACGTAGTTAGTGGG.1_6	YUFUB	NK 1
## GTACGTATCGATCCCT.1_6	YUFUB	B 2
## GTACTCCAGCAGATCG.1_6	YUFUB	Mono 8
## GTACTCCAGGGCTTCC.1_6	YUFUB	Mono 1
## GTACTCCGTCAAAGCG.1_6	YUFUB	NK 2
## GTACTCCGTCAACTGT.1_6	YUFUB	Mono 3
## GTACTCCGTCAATCGGC.1_6	YUFUB	NK 3
## GTACTCCGTGCCTGTG.1_6	YUFUB	Mono 4
## GTACTCCTCACTTACT.1_6	YUFUB	NK 4
## GTACTCCTCCCATTAT.1_6	YUFUB	CD4T 6
## GTACTCCTCGTTTATC.1_6	YUFUB	B 1
## GTACTCCTCTGACCTC.1_6	YUFUB	B 2
## GTACTCCTCTGCAGTA.1_6	YUFUB	Mono 5
## GTACTTTAGCTCAACT.1_6	YUFUB	Mono 4
## GTACTTTAGGGCTTGA.1_6	YUFUB	TNKT 1
## GTACTTTCAGACAGGT.1_6	YUFUB	CD8T 1
## GTACTTTCAGATTGCT.1_6	YUFUB	Mono 8
## GTACTTTCATAACCTG.1_6	YUFUB	B 2
## GTACTTTGTAGGCATG.1_6	YUFUB	NK 1
## GTAGGCCAGAATAGGG.1_6	YUFUB	NK 2
## GTAGGCCAGTGAACGC.1_6	YUFUB	CD4T 1
## GTAGGCCACGGTGTG.1_6	YUFUB	CD4T 2
## GTAGGCCAGATGGGT.1_6	YUFUB	CD4T 1
## GTAGGCCGTTATGCGT.1_6	YUFUB	Mono 4
## GTAGGCCTCCGAAGAG.1_6	YUFUB	CD4T 6
## GTAGGCCTCGCGTTTC.1_6	YUFUB	Mono 3
## GTAGTCAAGCGTCTAT.1_6	YUFUB	Mono 3
## GTAGTCAGTATCGCAT.1_6	YUFUB	CD4T 7
## GTAGTCAGTATGCTTG.1_6	YUFUB	Mono 3
## GTAGTCAGTCTCACCT.1_6	YUFUB	CD4T 1
## GTAGTCAGTTGGAGGT.1_6	YUFUB	Mono 5
## GTAGTCATCCACGACG.1_6	YUFUB	Mono 4
## GTATCTTAGCCACTAT.1_6	YUFUB	TNKT 2
## GTATCTTAGCGATAGC.1_6	YUFUB	CD4T 6
## GTATCTTAGGTAGCCA.1_6	YUFUB	CD4T 2
## GTATCTTCAGGAACGT.1_6	YUFUB	Mono 8
## GTATCTTTCACGCGGT.1_6	YUFUB	CD4T 1
## GTATCTTTCAGTACGT.1_6	YUFUB	Mono 3
## GTATTCTAGGGATGGG.1_6	YUFUB	Mono 7
## GTATTCTAGGGCTTGA.1_6	YUFUB	Mono 7
## GTATTCTAGTAATCCC.1_6	YUFUB	B 3
## GTATTCTCACGGATAG.1_6	YUFUB	CD8T 2
## GTATTCTGTGCGGTAA.1_6	YUFUB	CD4T 5

## GTATTCTGTTGACGTT.1_6	YUFUB	Mono 8
## GTATTCTTCAAAGTAG.1_6	YUFUB	CD4T 5
## GTCAAGTAGAGTCGGT.1_6	YUFUB	B 1
## GTCAAGTAGATAGCAT.1_6	YUFUB	NK 4
## GTCAAGTCACCAGATT.1_6	YUFUB	B 1
## GTCAAGTCAGACAAGC.1_6	YUFUB	Mono 5
## GTCAAGTTCTAACCGA.1_6	YUFUB	Mono 7
## GTCACAAAGGTGATAT.1_6	YUFUB	NK 4
## GTCACAACAGCCTGTG.1_6	YUFUB	B 1
## GTCACAACAGCTGTAT.1_6	YUFUB	CD4T 4
## GTCACAAGTCTGATCA.1_6	YUFUB	Mono 7
## GTCACAATCACTATTC.1_6	YUFUB	Mono 4
## GTCACGGAGAATTCCC.1_6	YUFUB	Mono 4
## GTCACGGAGGTAGCCA.1_6	YUFUB	NK 2
## GTCACGGCACAGGTTT.1_6	YUFUB	CD4T 3
## GTCACGGTCAACACAC.1_6	YUFUB	Mono 8
## GTCATTTAGGACAGCT.1_6	YUFUB	B 1
## GTCATTTTCAGGTCTCG.1_6	YUFUB	CD4T 5
## GTCATTTTCATGTCGAT.1_6	YUFUB	CD4T 1
## GTCATTTGTAGGACAC.1_6	YUFUB	CD4T 2
## GTCATTTGTAGTACCT.1_6	YUFUB	Mono 4
## GTCATTTGTTCCCTTG.1_6	YUFUB	TNKT 2
## GTCATTTTCGTAGATC.1_6	YUFUB	NK 2
## GTCCTCACATTGCGGC.1_6	YUFUB	CD8T 3
## GTCCTCAGTAAATACG.1_6	YUFUB	Mono 1
## GTCCTCATCACCTCGT.1_6	YUFUB	NK 4
## GTCCTCATCAGGCCCA.1_6	YUFUB	Mono 2
## GTCGGGTCACGCATCG.1_6	YUFUB	Mono 3
## GTCGGGTCAGACGCAA.1_6	YUFUB	CD4T 2
## GTCGGGTTCAACTCTT.1_6	YUFUB	B 3
## GTCGGGTTCGGTTAAC.1_6	YUFUB	NK 2
## GTCGTAACAGGGATTG.1_6	YUFUB	B 1
## GTCGTAAGTATTAGCC.1_6	YUFUB	Mono 8
## GTCGTAAGTCCCTACT.1_6	YUFUB	TNKT 1
## GTCGTAAGTGAAGGCT.1_6	YUFUB	B 2
## GTCGTAATCCTAAGTG.1_6	YUFUB	Mono 3
## GTCTCGTAGGACATTA.1_6	YUFUB	Mono 8
## GTCTCGTGTGCAGTAG.1_6	YUFUB	Mono 5
## GTCTCGTTCATGAAC.1_6	YUFUB	CD8T 2
## GTCTTCGAGCCGGTAA.1_6	YUFUB	Mono 8
## GTCTTCGCAATGGACG.1_6	YUFUB	CD4T 7
## GTCTTCGCAGCGATCC.1_6	YUFUB	B 2
## GTCTTCGGTAGGCATG.1_6	YUFUB	Mono 7
## GTCTTCGTCAAGCCTA.1_6	YUFUB	NK 1
## GTCTTCGTGCTAGCG.1_6	YUFUB	NK 4
## GTGAAGGAGGTCATCT.1_6	YUFUB	B 1
## GTGAAGGCAAACGTGG.1_6	YUFUB	Mono 3
## GTGAAGGTCTAACTTC.1_6	YUFUB	Mono 3
## GTGAAGGTCTCGGACG.1_6	YUFUB	Mono 4
## GTGCAGCAGTACACCT.1_6	YUFUB	B 1
## GTGCAGCCAATGCCAT.1_6	YUFUB	Mono 5
## GTGCAGCGTACCGCTG.1_6	YUFUB	Mono 3
## GTGCAGCGTCCCGACA.1_6	YUFUB	NK 3
## GTGCAGCGTGATAAAC.1_6	YUFUB	B 1

## GTGCAGCGTGTGTTGGT.1_6	YUFUB	Mono 8
## GTGCAGCTCATGTGGT.1_6	YUFUB	NK 1
## GTGCAGCTCATTGCCA.1_6	YUFUB	Mono 3
## GTGCAGCTCCTACAGA.1_6	YUFUB	CD4T 3
## GTGCAGCTCGCATGGC.1_6	YUFUB	Mono 2
## GTGCAGCTCTGTCCGT.1_6	YUFUB	Mono 5
## GTGCATAAGTAATCCC.1_6	YUFUB	NK 2
## GTGCATACACCCAGTG.1_6	YUFUB	Mono 7
## GTGCATACACGGTAAG.1_6	YUFUB	Mono 4
## GTGCATACAGACGTAG.1_6	YUFUB	CD4T 3
## GTGCATAGTACGCACC.1_6	YUFUB	CD4T 5
## GTGCATATCACAGTAC.1_6	YUFUB	B 2
## GTGCATATCATAGCAC.1_6	YUFUB	B 2
## GTGCATATCATGGTCA.1_6	YUFUB	B 2
## GTGCGGTAGAGCTGGT.1_6	YUFUB	B 1
## GTGCGGTAGTTAACGA.1_6	YUFUB	NK 2
## GTGCGGTGTTATTCTC.1_6	YUFUB	B 1
## GTGCGGTTCTTGTA.1_6	YUFUB	CD4T 3
## GTGCTTCAGATCTGAA.1_6	YUFUB	CD4T 1
## GTGCTTCCAATGGATA.1_6	YUFUB	Mono 4
## GTGCTTCGTAATCGTC.1_6	YUFUB	NK 1
## GTGCTTCGTACCATCA.1_6	YUFUB	Mono 2
## GTGCTTCTCCTAGGGC.1_6	YUFUB	CD4T 6
## GTGGGTCAGACTTTTCG.1_6	YUFUB	B 1
## GTGGGTCCAAGAGTCG.1_6	YUFUB	B 2
## GTGGGTCCAGGGTTAG.1_6	YUFUB	Mono 8
## GTGGGTTCGTACCGCTG.1_6	YUFUB	Mono 7
## GTGTGCGAGAACA.1_6	YUFUB	CD4T 3
## GTGTGCGCAGCGTCCA.1_6	YUFUB	CD8T 2
## GTGTGCGTCAACGGCC.1_6	YUFUB	CD4T 5
## GTGTGCGTCAGTTGAC.1_6	YUFUB	B 3
## GTGTGCGTCTCGGACG.1_6	YUFUB	TNKT 1
## GTGTTAGGTCTAACGT.1_6	YUFUB	B 2
## GTGTTAGGTGATGTCT.1_6	YUFUB	Mono 4
## GTGTTAGGTGCTGTAT.1_6	YUFUB	B 1
## GTTAAGCCACTAGTAC.1_6	YUFUB	CD4T 1
## GTTAAGCCAGACGCTC.1_6	YUFUB	Mono 3
## GTTAAGCGTAGCTGCC.1_6	YUFUB	CD4T 3
## GTTAAGCTCCCTAACC.1_6	YUFUB	CD4T 5
## GTTAAGCTCGTACGGC.1_6	YUFUB	Mono 3
## GTTACAGAGAAAGTGG.1_6	YUFUB	CD4T 1
## GTTACAGAGATGTTAG.1_6	YUFUB	TNKT 1
## GTTACAGAGGCGTACA.1_6	YUFUB	CD4T 1
## GTTACAGAGTATCTCG.1_6	YUFUB	TNKT 1
## GTTACAGCATCTGGTA.1_6	YUFUB	Mono 2
## GTTACAGGTCTAGGTT.1_6	YUFUB	CD4T 4
## GTTACAGGTGACTACT.1_6	YUFUB	Mono 5
## GTTCATTAGAGCCCAA.1_6	YUFUB	Mono 1
## GTTCATTAGCCACGTC.1_6	YUFUB	NK 2
## GTTCATTAGCCAGAAC.1_6	YUFUB	NK 4
## GTTCATTAGCTGCAAG.1_6	YUFUB	Mono 2
## GTTCATTCACTTGAT.1_6	YUFUB	CD4T 4
## GTTCATTGTCTCCCTA.1_6	YUFUB	Mono 4
## GTTCATTGTGGAAAGA.1_6	YUFUB	B 1

## GTTCATTGTGTTAAGA.1_6	YUFUB	NK 4
## GTTCATTTTCATGCTCC.1_6	YUFUB	Mono 3
## GTTCGGGAGCCAACAG.1_6	YUFUB	B 1
## GTTCGGGCAAACCCAT.1_6	YUFUB	CD4T 4
## GTTCGGGCAAGTAATG.1_6	YUFUB	B 2
## GTTCGGGCAGCATGAG.1_6	YUFUB	Mono 3
## GTTCGGGCATGCAACT.1_6	YUFUB	Mono 5
## GTTCGGGGTTGGTTTG.1_6	YUFUB	CD4T 4
## GTTCGGGTCCACTCCA.1_6	YUFUB	B 1
## GTTCTCGAGATATGCA.1_6	YUFUB	Mono 4
## GTTCTCGAGCTCCTTC.1_6	YUFUB	NK 3
## GTTCTCGAGGATGGAA.1_6	YUFUB	B 1
## GTTCTCGCAAGCCAC.1_6	YUFUB	Mono 7
## GTTCTCGCATGCCCGA.1_6	YUFUB	Mono 5
## GTTCTCGGTCAGAATA.1_6	YUFUB	CD8T 2
## GTTTCTAAGCGTCAAG.1_6	YUFUB	Mono 8
## GTTTCTAAGGATGGAA.1_6	YUFUB	TNKT 1
## GTTTCTAAGGGAGTAA.1_6	YUFUB	CD4T 1
## GTTTCTAAGGTGATAT.1_6	YUFUB	B 1
## GTTTCTACAGTAGAGC.1_6	YUFUB	B 2
## GTTTCTACATCACCT.1_6	YUFUB	Mono 9
## GTTTCTACATGAGCGA.1_6	YUFUB	TNKT 2
## GTTTCTATCGGTAAAC.1_6	YUFUB	Mono 7
## TAAACCGAGAACAATC.1_6	YUFUB	CD4T 3
## TAAACCGAGCCGCCTA.1_6	YUFUB	CD4T 7
## TAAACCGAGGGAACGG.1_6	YUFUB	Mono 4
## TAAACCGAGTCCTCCT.1_6	YUFUB	CD4T 1
## TAAACCGCAATGTTGC.1_6	YUFUB	CD4T 1
## TAAACCGCAGCTCGAC.1_6	YUFUB	Mono 3
## TAAACCGGTTCTGTGAT.1_6	YUFUB	NK 1
## TAAACCGTCAGCGATT.1_6	YUFUB	Mono 5
## TAAACCGTCTGTCAAG.1_6	YUFUB	B 3
## TAAGAGAAGACACTAA.1_6	YUFUB	NK 3
## TAAGAGAAGCGCTCCA.1_6	YUFUB	CD4T 6
## TAAGCGTAGACAATAC.1_6	YUFUB	NK 4
## TAAGCGTCAAAGGCGT.1_6	YUFUB	NK 3
## TAAGCGTCAAAGGTGC.1_6	YUFUB	Mono 9
## TAAGCGTCAAGTTCTG.1_6	YUFUB	TNKT 1
## TAAGCGTGTGCTGTAT.1_6	YUFUB	CD4T 5
## TAAGCGTGTGTGACCC.1_6	YUFUB	CD4T 1
## TAAGCGTGTTACGCGC.1_6	YUFUB	Mono 5
## TAAGCGTTCATTTGGG.1_6	YUFUB	Mono 5
## TAAGCGTTCGGTTGCT.1_6	YUFUB	Mono 4
## TAAGCGTTCCTATGTT.1_6	YUFUB	TNKT 1
## TAAGCGTTCGTTTATC.1_6	YUFUB	Mono 7
## TAAGTGCAGGAATTAC.1_6	YUFUB	B 1
## TAAGTGCCAAGTTCT.1_6	YUFUB	Mono 4
## TAAGTGCCACGTCTCT.1_6	YUFUB	CD8T 2
## TAAGTGCGTCTTGCGG.1_6	YUFUB	CD8T 3
## TAAGTGCGTGCACCAC.1_6	YUFUB	NK 2
## TAAGTGCGTTAAAGTG.1_6	YUFUB	NK 1
## TAAGTGCTCGGCGGTT.1_6	YUFUB	NK 4
## TAAGTGCTCTTGAGAC.1_6	YUFUB	Mono 1
## TACACGAAGGCCCGTT.1_6	YUFUB	CD4T 1

## TACACGACAAACCTAC.1_6	YUFUB	CD4T 7
## TACACGACATAGACTC.1_6	YUFUB	B 2
## TACACGAGTATAGGGC.1_6	YUFUB	Mono 5
## TACACGAGTGACGGTA.1_6	YUFUB	Mono 4
## TACACGATCAACGAAA.1_6	YUFUB	B 2
## TACACGATCCGCAGTG.1_6	YUFUB	Mono 3
## TACACGATCTGCTGCT.1_6	YUFUB	NK 3
## TACAGTGAGTCACGCC.1_6	YUFUB	Mono 1
## TACAGTGCAGTCGTGC.1_6	YUFUB	Mono 3
## TACAGTGGTCCTGCTT.1_6	YUFUB	NK 2
## TACAGTGGTTCCACTC.1_6	YUFUB	CD4T 4
## TACAGTGTCCACGCAG.1_6	YUFUB	CD4T 3
## TACAGTGTCTCAAACG.1_6	YUFUB	Mono 2
## TACCTATAGAATGTGT.1_6	YUFUB	Mono 7
## TACCTATAGGTGGGTT.1_6	YUFUB	Mono 8
## TACCTATCATGCCTAA.1_6	YUFUB	Mono 7
## TACCTATGTACGCACC.1_6	YUFUB	Mono 1
## TACCTATGTTAGATGA.1_6	YUFUB	Mono 2
## TACCTTAAGGACAGCT.1_6	YUFUB	NK 3
## TACCTTAAGTGGACGT.1_6	YUFUB	NK 2
## TACCTTACACACCGCA.1_6	YUFUB	NK 1
## TACCTTACACAGCCCA.1_6	YUFUB	NK 2
## TACCTTAGTCTCCCTA.1_6	YUFUB	Mono 8
## TACCTTAGTTCGGTCT.1_6	YUFUB	B 2
## TACCTTAGTTGGACCC.1_6	YUFUB	CD4T 1
## TACCTTATCGCACTCT.1_6	YUFUB	CD4T 4
## TACGGATCAGGTCGTC.1_6	YUFUB	NK 1
## TACGGATCAGTTAACC.1_6	YUFUB	NK 1
## TACGGATGTAGCGTCC.1_6	YUFUB	Mono 8
## TACGGATTCATCTGCC.1_6	YUFUB	B 1
## TACGGGCCATATACCG.1_6	YUFUB	CD8T 1
## TACGGGCCATCTGGTA.1_6	YUFUB	Mono 1
## TACGGGCGTAGCCTCG.1_6	YUFUB	CD4T 1
## TACGGTAAGAGGTTAT.1_6	YUFUB	CD4T 4
## TACGGTACAACACCCG.1_6	YUFUB	TNKT 1
## TACGGTACAAGCTGTT.1_6	YUFUB	Mono 5
## TACGGTATCGCGGATC.1_6	YUFUB	Mono 3
## TACGGTATCTTGCAAT.1_6	YUFUB	Mono 5
## TACTCATAGAAACCGC.1_6	YUFUB	Mono 3
## TACTCATAGAGGGATA.1_6	YUFUB	Mono 3
## TACTCATAGCTCAACT.1_6	YUFUB	Mono 4
## TACTCATAGGCCCTCA.1_6	YUFUB	B 1
## TACTCATCAAGTCTGT.1_6	YUFUB	Mono 3
## TACTCATCATGGTCAT.1_6	YUFUB	NK 1
## TACTCATGTACAAGTA.1_6	YUFUB	Mono 8
## TACTCATGTCGCGGTT.1_6	YUFUB	Mono 2
## TACTCATTCAGATAAG.1_6	YUFUB	B 2
## TACTCGCAGAAGGGTA.1_6	YUFUB	B 2
## TACTCGCAGAGCCCAA.1_6	YUFUB	TNKT 1
## TACTCGCAGGCTACGA.1_6	YUFUB	TNKT 1
## TACTCGCAGTCTCAAC.1_6	YUFUB	Mono 4
## TACTCGCAGTGCGTGA.1_6	YUFUB	Mono 8
## TACTCGCCACCACCAG.1_6	YUFUB	TNKT 1
## TACTCGCCACGTCTCT.1_6	YUFUB	B 2

## TACTCGCCAGCTTCGG.1_6	YUFUB	Mono 8
## TACTCGCCATGGAATA.1_6	YUFUB	NK 2
## TACTCGCGTTTGTTTC.1_6	YUFUB	CD4T 3
## TACTCGCTCTTCTGGC.1_6	YUFUB	B 3
## TACTTACAGATGCGAC.1_6	YUFUB	B 3
## TACTTACAGGACGAAA.1_6	YUFUB	CD4T 6
## TACTTACAGGCGTACA.1_6	YUFUB	B 1
## TACTTACGTAGAAGGA.1_6	YUFUB	CD4T 4
## TACTTACGTATATGAG.1_6	YUFUB	Mono 1
## TACTTACGTATCACCA.1_6	YUFUB	Mono 1
## TACTTACGTCCGAACC.1_6	YUFUB	Mono 1
## TACTTACGTGTCAATC.1_6	YUFUB	TNKT 1
## TACTTACTCACGATGT.1_6	YUFUB	Mono 8
## TACTTACTCTACTCAT.1_6	YUFUB	CD4T 4
## TACTTGTTAGAAGGGTA.1_6	YUFUB	CD4T 4
## TACTTGTTAGTAATCCC.1_6	YUFUB	B 2
## TACTTGTTCAAGCGAGT.1_6	YUFUB	B 2
## TACTTGTCACCGATAT.1_6	YUFUB	CD4T 5
## TACTTGTCAGGACCCT.1_6	YUFUB	B 3
## TACTTGTTGAAGCACG.1_6	YUFUB	Mono 7
## TACTTGTTGTGATGCCC.1_6	YUFUB	Mono 3
## TACTTGTTGTTAGGAA.1_6	YUFUB	Mono 4
## TACTTGTTTCAGTCCCT.1_6	YUFUB	B 3
## TACTTGTTTCCTAGAAC.1_6	YUFUB	Mono 2
## TAGACCAAGGCTCTTA.1_6	YUFUB	CD8T 1
## TAGACCACAATGTAAG.1_6	YUFUB	Mono 4
## TAGACCACACAGCCCA.1_6	YUFUB	B 3
## TAGACCACATCCGTGG.1_6	YUFUB	B 3
## TAGACCACATTACGAC.1_6	YUFUB	CD4T 1
## TAGACCAGTCCAAGTT.1_6	YUFUB	CD8T 1
## TAGACCAGTGCCTGGT.1_6	YUFUB	Mono 3
## TAGACCATCATTGCGA.1_6	YUFUB	Mono 5
## TAGACCATCCAAATGC.1_6	YUFUB	B 1
## TAGACCATCTCCTATA.1_6	YUFUB	CD4T 1
## TAGAGCTAGCCTCGTG.1_6	YUFUB	Mono 9
## TAGAGCTCAAATTGCC.1_6	YUFUB	Mono 8
## TAGAGCTCACGCTTTC.1_6	YUFUB	NK 4
## TAGAGCTCATCTATGG.1_6	YUFUB	Mono 4
## TAGAGCTGTAGAGGAA.1_6	YUFUB	B 2
## TAGAGCTGTCACTGGC.1_6	YUFUB	B 1
## TAGAGCTTCACAAACC.1_6	YUFUB	B 2
## TAGAGCTTCACCATAG.1_6	YUFUB	CD4T 6
## TAGAGCTTCTCTAAGG.1_6	YUFUB	CD8T 2
## TAGAGCTTCTGTTGAG.1_6	YUFUB	Mono 8
## TAGCCGGAGGGCACTA.1_6	YUFUB	CD4T 2
## TAGCCGGAGTGTTGAA.1_6	YUFUB	NK 3
## TAGCCGGCAAACCTAC.1_6	YUFUB	CD8T 3
## TAGCCGGCAAATCCGT.1_6	YUFUB	Mono 5
## TAGCCGGCACGAAAGC.1_6	YUFUB	CD4T 2
## TAGCCGGCAGATCCAT.1_6	YUFUB	Mono 5
## TAGCCGGGTACATCCA.1_6	YUFUB	Mono 7
## TAGCCGGGTGCAACTT.1_6	YUFUB	B 1
## TAGCCGGTCACTCTTA.1_6	YUFUB	CD4T 1
## TAGCCGGTCCAAACTG.1_6	YUFUB	Mono 4

## TAGCCGGTCGAACGGA.1_6	YUFUB	B 1
## TAGGCATAGTGAAGTT.1_6	YUFUB	CD4T 2
## TAGGCATCAAACAACA.1_6	YUFUB	Mono 4
## TAGGCATCAGTTTACG.1_6	YUFUB	B 3
## TAGGCATCATACCATG.1_6	YUFUB	B 1
## TAGGCATCATCTCGCT.1_6	YUFUB	TNKT 1
## TAGGCATGTCGAGATG.1_6	YUFUB	Mono 8
## TAGGCATGTGCACGAA.1_6	YUFUB	Mono 8
## TAGGCATTCTTTCTC.1_6	YUFUB	Mono 4
## TAGTGGTAGTTACCCA.1_6	YUFUB	TNKT 1
## TAGTGGTCATCCCATC.1_6	YUFUB	Mono 4
## TAGTGGTGTAGCACGA.1_6	YUFUB	NK 3
## TAGTGGTGTATAGGGC.1_6	YUFUB	B 1
## TAGTGGTGTACGTCA.1_6	YUFUB	CD4T 7
## TAGTGGTTCGGTTAAC.1_6	YUFUB	CD4T 6
## TAGTGGTTCTTTAGTC.1_6	YUFUB	B 2
## TAGTTGGAGCCCTAAT.1_6	YUFUB	CD4T 6
## TAGTTGGAGTTTCCTT.1_6	YUFUB	Mono 2
## TAGTTGGCAATAAGCA.1_6	YUFUB	NK 1
## TAGTTGGCACTCAGGC.1_6	YUFUB	NK 1
## TAGTTGGGTCTGGAGA.1_6	YUFUB	Mono 3
## TAGTTGGTCAGTTGAC.1_6	YUFUB	CD4T 1
## TATCAGGAGACAGACC.1_6	YUFUB	Mono 3
## TATCAGGAGACTGTAA.1_6	YUFUB	CD4T 1
## TATCAGGAGATACACA.1_6	YUFUB	NK 1
## TATCAGGAGCAGCCTC.1_6	YUFUB	B 1
## TATCAGGAGCTGAAAT.1_6	YUFUB	Mono 7
## TATCAGGCAACGCACC.1_6	YUFUB	CD4T 6
## TATCAGGCACCCATGG.1_6	YUFUB	Mono 1
## TATCAGGCACTGCCAG.1_6	YUFUB	Mono 4
## TATCAGGGTCAGTGA.1_6	YUFUB	B 2
## TATCAGGGTCTGAAC.1_6	YUFUB	CD4T 5
## TATCAGGTCCTAGGGC.1_6	YUFUB	TNKT 1
## TATCAGGTCTTAGAGC.1_6	YUFUB	Mono 3
## TATCTCAAGCTTTGGT.1_6	YUFUB	B 2
## TATCTCACAAGGTTTC.1_6	YUFUB	CD4T 4
## TATCTCACAAGTTAAG.1_6	YUFUB	Mono 7
## TATCTCAGTAGAAAGG.1_6	YUFUB	Mono 8
## TATCTCAGTTACCAGT.1_6	YUFUB	NK 1
## TATGCCCCGTATTAGCC.1_6	YUFUB	Mono 4
## TATGCCCCGTGAATCT.1_6	YUFUB	Mono 4
## TATGCCCCGTACCAGT.1_6	YUFUB	CD4T 1
## TATGCCCTCCCTGACT.1_6	YUFUB	B 1
## TATTACCAGATGGCGT.1_6	YUFUB	Mono 5
## TATTACCAGCCCAACC.1_6	YUFUB	NK 4
## TATTACCTCCTTTACA.1_6	YUFUB	Mono 9
## TATTACCTCTTCTGGC.1_6	YUFUB	CD4T 1
## TCAACGACAATGTTGC.1_6	YUFUB	CD4T 3
## TCAACGAGTCCAATA.1_6	YUFUB	CD8T 1
## TCAACGATCAGGATCT.1_6	YUFUB	Mono 1
## TCAACGATCTCGGACG.1_6	YUFUB	Mono 4
## TCAACGATCTGTCTCG.1_6	YUFUB	CD4T 3
## TCAATCTAGGGAGTAA.1_6	YUFUB	B 1
## TCAATCTCAAGTACCT.1_6	YUFUB	CD8T 2

## TCAATCTCAGCCTGTG.1_6	YUFUB	CD4T 5
## TCAATCTGTACCGCTG.1_6	YUFUB	CD4T 1
## TCAATCTGTGTTTGTG.1_6	YUFUB	B 3
## TCAATCTTCCAAAGTC.1_6	YUFUB	TNKT 1
## TCAATCTTCGCGGATC.1_6	YUFUB	NK 3
## TCACAAGCAAGGGTCA.1_6	YUFUB	CD4T 3
## TCACAAGCACGAAATA.1_6	YUFUB	CD4T 3
## TCACAAGTCATGCATG.1_6	YUFUB	B 1
## TCACGAACACAGACAG.1_6	YUFUB	CD4T 1
## TCACGAACACGTTGGC.1_6	YUFUB	B 1
## TCACGAAGTCAATACC.1_6	YUFUB	Mono 4
## TCACGAAGTCAGCTAT.1_6	YUFUB	B 6
## TCACGAATCATGTCTT.1_6	YUFUB	CD4T 3
## TCACGAATCTTGTA CT.1_6	YUFUB	CD4T 6
## TCAGATGAGTGGCACA.1_6	YUFUB	Mono 2
## TCAGATGGTCCAACTA.1_6	YUFUB	TNKT 1
## TCAGCAAAGGCTACGA.1_6	YUFUB	Mono 4
## TCAGCAACAAGGTTTC.1_6	YUFUB	Mono 2
## TCAGCAAGTAAGTGGC.1_6	YUFUB	Mono 7
## TCAGCAAGTACCAGTT.1_6	YUFUB	CD4T 4
## TCAGCAAGTAGCGATG.1_6	YUFUB	Mono 4
## TCAGCAAGTGATAAGT.1_6	YUFUB	CD4T 3
## TCAGCAATCAGTCCCT.1_6	YUFUB	CD8T 2
## TCAGCTCAGATTACCC.1_6	YUFUB	B 2
## TCAGCTCAGTTACGGG.1_6	YUFUB	B 1
## TCAGCTCAGTTCGCGC.1_6	YUFUB	CD4T 1
## TCAGCTCCACAGCCCA.1_6	YUFUB	B 2
## TCAGCTCCAGTCAGAG.1_6	YUFUB	Mono 2
## TCAGCTCCAGTTTACG.1_6	YUFUB	Mono 5
## TCAGCTCTCAGAGACG.1_6	YUFUB	CD4T 3
## TCAGGATAGAGTGACC.1_6	YUFUB	Mono 5
## TCAGGATCACATGACT.1_6	YUFUB	CD4T 3
## TCAGGATCACCTATCC.1_6	YUFUB	NK 4
## TCAGGATGTGAAATCA.1_6	YUFUB	Mono 4
## TCAGGATGTGCAACTT.1_6	YUFUB	B 2
## TCAGGATGTCCGTCT.1_6	YUFUB	B 1
## TCAGGATTCACTCTTA.1_6	YUFUB	B 2
## TCAGGATTCCCTTGCA.1_6	YUFUB	B 1
## TCAGGATTCTGAAAGA.1_6	YUFUB	B 2
## TCAGGTAAGGACATTA.1_6	YUFUB	B 1
## TCAGGTACAATCGAAA.1_6	YUFUB	CD4T 1
## TCAGGTACAGGTGGAT.1_6	YUFUB	CD4T 3
## TCAGGTAGTACATGTC.1_6	YUFUB	NK 2
## TCAGGTAGTCGAAAGC.1_6	YUFUB	B 2
## TCAGGTAGTTAAAGTG.1_6	YUFUB	CD8T 1
## TCAGGTATCCTGCCAT.1_6	YUFUB	Mono 5
## TCAGGTATCGAATGCT.1_6	YUFUB	Mono 1
## TCATTACAGGCCCTCA.1_6	YUFUB	NK 2
## TCATTACAGTTTGCGT.1_6	YUFUB	B 2
## TCATTACCAAAGTCAA.1_6	YUFUB	CD4T 6
## TCATTACCACTGCCAG.1_6	YUFUB	B 2
## TCATTACGTAAGTGGC.1_6	YUFUB	B 3
## TCATTACGTCAGATAA.1_6	YUFUB	B 2
## TCATTACGTCGCGGTT.1_6	YUFUB	CD4T 7

## TCATTTGAGCGCCTCA.1_6	YUFUB	Mono 3
## TCATTTGCAGCCAATT.1_6	YUFUB	Mono 4
## TCATTTGCATGAAGTA.1_6	YUFUB	CD4T 7
## TCATTTGGTAGGGACT.1_6	YUFUB	B 1
## TCATTTGGTCCGTCAG.1_6	YUFUB	NK 1
## TCATTTGGTTAAGAAC.1_6	YUFUB	B 2
## TCCACACAGCGAAGGG.1_6	YUFUB	CD4T 4
## TCCACACCAATAACGA.1_6	YUFUB	NK 1
## TCCACACGTCTGCGGT.1_6	YUFUB	NK 1
## TCCACACTACGAAGG.1_6	YUFUB	B 2
## TCCACACTCATAACCG.1_6	YUFUB	CD4T 3
## TCCACACTCCCTCTTT.1_6	YUFUB	Mono 8
## TCCACACTCTGGAGCC.1_6	YUFUB	Mono 8
## TCCACACTCTGGTATG.1_6	YUFUB	NK 2
## TCCCGATAGGTGATTA.1_6	YUFUB	Mono 8
## TCCCGATAGTGTACGG.1_6	YUFUB	Mono 7
## TCCCGATCAGCTCGCA.1_6	YUFUB	CD4T 3
## TCCCGATCATGCCTTC.1_6	YUFUB	B 1
## TCCCGATCATGGGAAC.1_6	YUFUB	CD4T 6
## TCCCGATCATGTGAT.1_6	YUFUB	B 2
## TCCCGATCATTGGTAC.1_6	YUFUB	Mono 4
## TCCCGATGTCTTGTC.1_6	YUFUB	B 2
## TCCCGATTCCAGAAGG.1_6	YUFUB	Mono 3
## TCCCGATTCCGAGCCA.1_6	YUFUB	B 1
## TCCCGATTCTCGAGTA.1_6	YUFUB	NK 3
## TCGAGGCAGATGGCGT.1_6	YUFUB	CD4T 7
## TCGAGGCAGGGAACA.1_6	YUFUB	CD4T 2
## TCGAGGCCAATGGAGC.1_6	YUFUB	Mono 7
## TCGAGGCCACCCAGTG.1_6	YUFUB	CD4T 1
## TCGAGGCCATCTACGA.1_6	YUFUB	NK 3
## TCGAGGCTCACCAGGC.1_6	YUFUB	CD4T 3
## TCGAGGCTCATCACCC.1_6	YUFUB	Mono 7
## TCGAGGCTCATGTCTT.1_6	YUFUB	Mono 5
## TCGAGGCTCCTAGGGC.1_6	YUFUB	Mono 5
## TCGAGGCTCGCCGTGA.1_6	YUFUB	CD4T 7
## TCGCGAGAGAAAACCGC.1_6	YUFUB	B 2
## TCGCGAGCAAGACACG.1_6	YUFUB	CD4T 1
## TCGCGAGCAAGTAGTA.1_6	YUFUB	NK 4
## TCGCGAGCAGTCACTA.1_6	YUFUB	Mono 4
## TCGCGAGGTGCGCTTG.1_6	YUFUB	Mono 9
## TCGCGAGTCAGGTAAA.1_6	YUFUB	TNKT 1
## TCGCGAGTCCACGAAT.1_6	YUFUB	NK 3
## TCGCGTTAGGATATAC.1_6	YUFUB	CD4T 1
## TCGCGTTCACGCGAAA.1_6	YUFUB	CD4T 1
## TCGGGACAGTCCAGGA.1_6	YUFUB	CD4T 4
## TCGGGACCAATAAGCA.1_6	YUFUB	B 3
## TCGGGACCAGGTCTCG.1_6	YUFUB	B 2
## TCGGGACCATGCTGGC.1_6	YUFUB	CD4T 1
## TCGGGACGTAGCTTGT.1_6	YUFUB	CD4T 7
## TCGGGACGTATATGAG.1_6	YUFUB	NK 3
## TCGGGACTCAACACGT.1_6	YUFUB	Mono 5
## TCGGGACTCCCTCTTT.1_6	YUFUB	B 2
## TCGGTAACAACACCTA.1_6	YUFUB	Mono 1
## TCGGTAACACCAGGCT.1_6	YUFUB	Mono 2

## TCGGTAACACGCATCG.1_6	YUFUB	B 1
## TCGGTAAGTACACCGC.1_6	YUFUB	NK 4
## TCGGTAAGTCGCATCG.1_6	YUFUB	CD8T 2
## TCGTACCCAGCCTTGG.1_6	YUFUB	CD4T 1
## TCGTACCCATTGTGCA.1_6	YUFUB	Mono 5
## TCGTACCGTCTCATCC.1_6	YUFUB	Mono 3
## TCGTACCGTGCCTGGT.1_6	YUFUB	B 2
## TCGTACCTCACGCGGT.1_6	YUFUB	B 1
## TCGTACCTCATAGCAC.1_6	YUFUB	NK 1
## TCGTACCTCGAGAACG.1_6	YUFUB	Mono 3
## TCGTACCTCGCAAAC.1_6	YUFUB	Mono 3
## TCGTAGAAGTCCATAC.1_6	YUFUB	CD4T 1
## TCGTAGACAGATGGCA.1_6	YUFUB	Mono 3
## TCGTAGAGTACAGACG.1_6	YUFUB	NK 3
## TCGTAGAGTACAGTGG.1_6	YUFUB	TNKT 1
## TCGTAGAGTAGCCTAT.1_6	YUFUB	CD4T 1
## TCGTAGATCACCGGT.1_6	YUFUB	B 1
## TCTATTGCAGATCTGT.1_6	YUFUB	B 1
## TCTATTGGTCCAGTTA.1_6	YUFUB	Mono 2
## TCTATTGGTGTGCCTG.1_6	YUFUB	Mono 8
## TCTATTGTCTGTCCGT.1_6	YUFUB	TNKT 2
## TCTCATAAGAATGTTG.1_6	YUFUB	CD4T 4
## TCTCATAAGAGACTAT.1_6	YUFUB	B 3
## TCTCATACACTCTGTC.1_6	YUFUB	B 1
## TCTCATACAGCGAACA.1_6	YUFUB	Mono 7
## TCTCATACATTGGCGC.1_6	YUFUB	Mono 4
## TCTCATATCAACCAAC.1_6	YUFUB	CD8T 2
## TCTCATATCCTCGCAT.1_6	YUFUB	CD4T 7
## TCTCTAAAGTTAAGTG.1_6	YUFUB	B 2
## TCTCTAACAAGTCTAC.1_6	YUFUB	B 1
## TCTCTAACAGGTGCCT.1_6	YUFUB	CD8T 2
## TCTCTAACATTTGCCC.1_6	YUFUB	B 1
## TCTCTAAGTGAACCTT.1_6	YUFUB	NK 4
## TCTCTAAGTGGCAAAC.1_6	YUFUB	B 1
## TCTCTAATCAGCTCTC.1_6	YUFUB	CD4T 1
## TCTCTAATCGCCAGCA.1_6	YUFUB	CD4T 1
## TCTGAGAAGGGTGTGT.1_6	YUFUB	Mono 3
## TCTGAGACAAACTGTC.1_6	YUFUB	Mono 7
## TCTGAGACAATAGCGG.1_6	YUFUB	Mono 2
## TCTGAGACACCTCGGA.1_6	YUFUB	B 2
## TCTGAGACATTCGACA.1_6	YUFUB	Mono 8
## TCTGAGACATTGCGGC.1_6	YUFUB	Mono 9
## TCTGAGAGTGCTGTAT.1_6	YUFUB	Mono 7
## TCTGAGATCGTCTGCT.1_6	YUFUB	B 1
## TCTGGAAGGTGCTTT.1_6	YUFUB	Mono 3
## TCTGGAAGTATCTCG.1_6	YUFUB	Mono 3
## TCTGGAACAACCTTGAC.1_6	YUFUB	NK 1
## TCTGGAACAATCTGCA.1_6	YUFUB	Mono 8
## TCTGGAACAGCTTCGG.1_6	YUFUB	Mono 2
## TCTGGAACATATGGTC.1_6	YUFUB	Mono 2
## TCTGGAAGTAAATACG.1_6	YUFUB	B 1
## TCTGGAAGTTAAGTAG.1_6	YUFUB	CD4T 4
## TCTGGAATCAAAGTAG.1_6	YUFUB	Mono 9
## TCTGGAATCTAACCGA.1_6	YUFUB	CD4T 3

## TCTTCGGAGATGTCGG.1_6	YUFUB	Mono 3
## TCTTCGGCACTTACGA.1_6	YUFUB	Mono 5
## TCTTCGGGTAAGTGTA.1_6	YUFUB	B 2
## TCTTCGGGTCACCCAG.1_6	YUFUB	CD8T 1
## TCTTCGGGTCCCGACA.1_6	YUFUB	CD4T 7
## TCTTCGGTCAGTTCGA.1_6	YUFUB	NK 2
## TCTTCGGTCCTTGACC.1_6	YUFUB	CD4T 3
## TCTTTCCAGCTGATAA.1_6	YUFUB	B 1
## TCTTTCCCACCTGGTG.1_6	YUFUB	CD4T 2
## TCTTTCCGTGGCTCCA.1_6	YUFUB	NK 3
## TCTTTCCTCAGCGACC.1_6	YUFUB	NK 2
## TCTTTCCTCGAACTGT.1_6	YUFUB	B 1
## TGAAAGACAATAGAGT.1_6	YUFUB	Mono 4
## TGAAAGACACGTCTCT.1_6	YUFUB	Mono 3
## TGAAAGACATCACGAT.1_6	YUFUB	Mono 5
## TGAAAGAGTAGAAGGA.1_6	YUFUB	CD4T 5
## TGAAAGAGTAGAGGAA.1_6	YUFUB	Mono 8
## TGAAAGAGTCCGCTGA.1_6	YUFUB	CD4T 2
## TGAAAGATCGAACGGA.1_6	YUFUB	Mono 3
## TGAAAGATCTGAGTGT.1_6	YUFUB	NK 1
## TGACAACAGACCACGA.1_6	YUFUB	Mono 7
## TGACAACAGCGATATA.1_6	YUFUB	B 2
## TGACAACCATGACGGA.1_6	YUFUB	CD4T 1
## TGACAACGTATGGTTC.1_6	YUFUB	Mono 3
## TGACAACGTCATATGC.1_6	YUFUB	NK 4
## TGACAACGTCGAAAGC.1_6	YUFUB	CD4T 4
## TGACAACCTCATGCTCC.1_6	YUFUB	TNKT 1
## TGACAACCTCGCCCTTA.1_6	YUFUB	B 1
## TGACGGCAGACAGAGA.1_6	YUFUB	Mono 4
## TGACGGCAGGCATGTG.1_6	YUFUB	B 2
## TGACGGCGTCAACTGT.1_6	YUFUB	CD4T 7
## TGACGGCTCACTCCTG.1_6	YUFUB	Mono 8
## TGACGGCTCAGCTTAG.1_6	YUFUB	Mono 5
## TGACTAGAGGCCCGTT.1_6	YUFUB	CD4T 5
## TGACTAGCACGCGAAA.1_6	YUFUB	Mono 5
## TGACTAGCATCCAACA.1_6	YUFUB	CD4T 3
## TGACTAGGTGTTGGGA.1_6	YUFUB	Mono 5
## TGACTTTAGTGATCGG.1_6	YUFUB	TNKT 1
## TGACTTTCAAACCCAT.1_6	YUFUB	Mono 4
## TGACTTTCAAGCGTAG.1_6	YUFUB	CD4T 1
## TGACTTTTCTGTCCGT.1_6	YUFUB	CD4T 4
## TGAGAGGAGGCAAAGA.1_6	YUFUB	CD4T 1
## TGAGAGGCAGTAACGG.1_6	YUFUB	CD4T 5
## TGAGAGGCATCGGGTC.1_6	YUFUB	CD4T 1
## TGAGAGGGTACTCGCG.1_6	YUFUB	CD8T 2
## TGAGAGGGTGACGGTA.1_6	YUFUB	NK 3
## TGAGAGGGTGTTTGGT.1_6	YUFUB	TNKT 1
## TGAGAGGTCAATAAGG.1_6	YUFUB	Mono 4
## TGAGAGGTCCACTGGG.1_6	YUFUB	Mono 4
## TGAGAGGTGCGGTTTC.1_6	YUFUB	CD4T 3
## TGAGAGGTCTGATACG.1_6	YUFUB	NK 3
## TGAGCATAGTTGTCGT.1_6	YUFUB	CD4T 2
## TGAGCATCACTATCTT.1_6	YUFUB	Mono 1
## TGAGCATCATAGGATA.1_6	YUFUB	Mono 3

## TGAGCATGTATATGAG.1_6	YUFUB	Mono 4
## TGAGCATGTGCCTGCA.1_6	YUFUB	CD4T 1
## TGAGCATGTTAAGGGC.1_6	YUFUB	Mono 8
## TGAGCATGTTTAGCTG.1_6	YUFUB	Mono 4
## TGAGCATTCGAGCCA.1_6	YUFUB	NK 2
## TGAGCATTCCTAAGTG.1_6	YUFUB	B 1
## TGAGCCGAGGGAACA.1_6	YUFUB	Mono 9
## TGAGCCGCACTCTGTC.1_6	YUFUB	NK 1
## TGAGCCGGTAACGCGA.1_6	YUFUB	TNKT 1
## TGAGCCGGTCTCTTTA.1_6	YUFUB	Mono 3
## TGAGCCGGTGAGGGAG.1_6	YUFUB	Mono 8
## TGAGCCGGTTACGTCA.1_6	YUFUB	Mono 3
## TGAGCCGGTTAGTGGG.1_6	YUFUB	Mono 1
## TGAGCCGTCGGCGCAT.1_6	YUFUB	CD4T 1
## TGAGGGAAGCCCTAAT.1_6	YUFUB	Mono 4
## TGAGGGAAGGACACCA.1_6	YUFUB	B 2
## TGAGGGACAGGCGATA.1_6	YUFUB	Mono 3
## TGAGGGACAGTATAAG.1_6	YUFUB	NK 2
## TGAGGGAGTCTAGCGC.1_6	YUFUB	B 2
## TGAGGGATCGCTAGCG.1_6	YUFUB	B 2
## TGAGGGATCTTGAGAC.1_6	YUFUB	CD4T 7
## TGATTTCAAGCAGAAC.1_6	YUFUB	CD4T 1
## TGATTTCACTAGCCGA.1_6	YUFUB	Mono 2
## TGATTTCCATCCTTGC.1_6	YUFUB	NK 2
## TGATTTCTGTAAGAGGA.1_6	YUFUB	CD4T 6
## TGATTTCTGTATGAAAC.1_6	YUFUB	B 3
## TGATTTCTCCTGTAGA.1_6	YUFUB	NK 1
## TGCACCTAGAGGGATA.1_6	YUFUB	Mono 2
## TGCACCTAGCTGTTCA.1_6	YUFUB	CD8T 1
## TGCACCTCAGCCAGAA.1_6	YUFUB	NK 2
## TGCACCTCAGCGTTTCG.1_6	YUFUB	Mono 2
## TGCACCTGTTGATTGC.1_6	YUFUB	B 2
## TGCCAAAAGCGTAATA.1_6	YUFUB	CD4T 4
## TGCCAAAAGCTAAACA.1_6	YUFUB	Mono 4
## TGCCAAACACGAAAGC.1_6	YUFUB	CD4T 2
## TGCCAAAGTAGGCATG.1_6	YUFUB	Mono 7
## TGCCAAATCTATCCTA.1_6	YUFUB	NK 2
## TGCCCATAGCGGCTTC.1_6	YUFUB	CD4T 4
## TGCCCATCAGCCACCA.1_6	YUFUB	CD4T 1
## TGCCCATCAGGACCCT.1_6	YUFUB	TNKT 2
## TGCCCATGTACTTAGC.1_6	YUFUB	Mono 5
## TGCCCATTCGCCCTTA.1_6	YUFUB	CD4T 5
## TGCCCATTCCTAGAGC.1_6	YUFUB	Mono 1
## TGCCCTACAAGCTGAG.1_6	YUFUB	TNKT 1
## TGCCCTACAGCTGCTG.1_6	YUFUB	NK 1
## TGCCCTATCACAACGT.1_6	YUFUB	CD4T 1
## TGCCCTATCGCTTAGA.1_6	YUFUB	NK 1
## TGCGCAGAGTAGTGCG.1_6	YUFUB	NK 1
## TGCGCAGAGTGGTCCC.1_6	YUFUB	Mono 3
## TGCGCAGGTACCATCA.1_6	YUFUB	B 2
## TGCGCAGTCAACACCA.1_6	YUFUB	NK 2
## TGCGCAGTCTAACGGT.1_6	YUFUB	Mono 3
## TGCGCAGTCTGTGCAA.1_6	YUFUB	CD4T 2
## TGCGGGTCATTAGGCT.1_6	YUFUB	Mono 8

## TGCGGGTGTCACTTCC.1_6	YUFUB	Mono 4
## TGCGGGTTCACCCGAG.1_6	YUFUB	Mono 3
## TGCGGGTTCAGGCAAG.1_6	YUFUB	B 2
## TGCGGGTTCGGCCGAT.1_6	YUFUB	Mono 8
## TGCGTGGAGCGTGAGT.1_6	YUFUB	CD4T 1
## TGCGTGGAGTACGCCC.1_6	YUFUB	Mono 3
## TGCGTGGCAATAGCAA.1_6	YUFUB	CD4T 5
## TGCGTGGCACTGTGTA.1_6	YUFUB	B 3
## TGCGTGGGTCCAGTGC.1_6	YUFUB	CD4T 3
## TGCTACCCAAGTTCT.1_6	YUFUB	Mono 5
## TGCTACCCACTGTTAG.1_6	YUFUB	CD4T 7
## TGCTACCCAGAGTGTG.1_6	YUFUB	CD4T 3
## TGCTACCCATGTTCCC.1_6	YUFUB	Mono 3
## TGCTACCGTAAGAGAG.1_6	YUFUB	CD4T 7
## TGCTACCGTATAAACG.1_6	YUFUB	CD4T 1
## TGCTACCGTCAGTGA.1_6	YUFUB	B 1
## TGCTGCTAGAGGGCTT.1_6	YUFUB	CD8T 1
## TGCTGCTAGAGTACAT.1_6	YUFUB	Mono 5
## TGCTGCTCAAGCTGAG.1_6	YUFUB	B 3
## TGCTGCTCACAGTCGC.1_6	YUFUB	Mono 7
## TGCTGCTCAGTTCCTT.1_6	YUFUB	TNKT 1
## TGCTGCTGTACTTCTT.1_6	YUFUB	CD8T 2
## TGCTGCTGTGACAAAT.1_6	YUFUB	CD4T 2
## TGCTGCTTCATGTCCC.1_6	YUFUB	CD8T 1
## TGCTGCTTCTGCGTAA.1_6	YUFUB	Mono 1
## TGCTGCTTCTGTTGAG.1_6	YUFUB	Mono 3
## TGGACGCAGTCTCAAC.1_6	YUFUB	CD4T 1
## TGGACGCGTTCCGTCT.1_6	YUFUB	TNKT 1
## TGGACGCTCACCCGAG.1_6	YUFUB	Mono 4
## TGGACGCTCTGCCCTA.1_6	YUFUB	CD4T 5
## TGGCCAGCAAAGCAAT.1_6	YUFUB	CD4T 6
## TGGCCAGGTATGAAAC.1_6	YUFUB	Mono 2
## TGGCCAGTCCCATTTA.1_6	YUFUB	CD4T 2
## TGGCGCACATAAGACA.1_6	YUFUB	CD4T 4
## TGGCGCATCAACCATG.1_6	YUFUB	CD4T 1
## TGGCGCATCTCTGTCTG.1_6	YUFUB	Mono 3
## TGGCTGGAGAGACTTA.1_6	YUFUB	B 3
## TGGCTGGGTATTAGCC.1_6	YUFUB	Mono 8
## TGGCTGGTCCTATGTT.1_6	YUFUB	Mono 8
## TGGGAAGAGGCTCAGA.1_6	YUFUB	Mono 5
## TGGGAAGAGTTAGGTA.1_6	YUFUB	B 3
## TGGGAAGGTGATAAGT.1_6	YUFUB	CD4T 6
## TGGGAAGGTGTGAATA.1_6	YUFUB	B 3
## TGGGCGTAGTACGACG.1_6	YUFUB	Mono 3
## TGGGCGTCAATCACAC.1_6	YUFUB	CD4T 1
## TGGGCGTCAATGAAAC.1_6	YUFUB	CD4T 4
## TGGGCGTTCACCCTCA.1_6	YUFUB	B 3
## TGGTTAGAGAGAGCTC.1_6	YUFUB	B 1
## TGGTTAGAGGGATGGG.1_6	YUFUB	TNKT 1
## TGGTTAGAGTCTCCTC.1_6	YUFUB	Mono 8
## TGGTTAGCAGTCAGAG.1_6	YUFUB	CD4T 1
## TGGTTAGGTCCAGTGC.1_6	YUFUB	Mono 5
## TGGTTAGTCAGAAATG.1_6	YUFUB	B 2
## TGGTTAGTCTACCTGC.1_6	YUFUB	NK 3

## TGGTTCCGTCATGCAT.1_6	YUFUB	NK 3
## TGGTTCCTCAACTCTT.1_6	YUFUB	CD4T 3
## TGGTTCCTCGGCGGTT.1_6	YUFUB	B 1
## TGGTTCCTCTGACCTC.1_6	YUFUB	B 1
## TGTATTCCAGGCATGTG.1_6	YUFUB	Mono 3
## TGTATTCCAAGGTGTG.1_6	YUFUB	TNKT 1
## TGTATTCCAGCAGTTT.1_6	YUFUB	CD4T 1
## TGTATTCCATGCCGA.1_6	YUFUB	B 1
## TGTATTCCATTCTTAC.1_6	YUFUB	Mono 9
## TGTCCCAAGATGTAAC.1_6	YUFUB	B 1
## TGTCCCACATAGTAAG.1_6	YUFUB	B 2
## TGTCCCAGTCTTCTCG.1_6	YUFUB	DC 1
## TGTCCCAGTGACTION.1_6	YUFUB	CD4T 2
## TGTCCCAGTGGCAAAC.1_6	YUFUB	B 2
## TGTCCCAGTGTGGGA.1_6	YUFUB	Mono 5
## TGTCCCAGTTGCGCAC.1_6	YUFUB	CD8T 2
## TGTCCCATCTCCTATA.1_6	YUFUB	CD4T 2
## TGTCCCATCTGCCCTA.1_6	YUFUB	CD8T 2
## TGTCCCATCTTTACGT.1_6	YUFUB	CD4T 2
## TGTGGTAAGCCACGCT.1_6	YUFUB	CD4T 4
## TGTGGTAAGCTAGGCA.1_6	YUFUB	Mono 3
## TGTGGTATCCATGAGT.1_6	YUFUB	Mono 5
## TGTGGTATCGAACTGT.1_6	YUFUB	TNKT 1
## TGTGGTATCTACCTGC.1_6	YUFUB	CD4T 4
## TGTGGTATCTGTCTAT.1_6	YUFUB	CD4T 4
## TGTGTTTAGTGTGGCA.1_6	YUFUB	B 2
## TGTGTTTGTGGAACAG.1_6	YUFUB	CD4T 7
## TGTGTTTTTCATAAAGG.1_6	YUFUB	NK 2
## TGTGTTTTCTGCTGTC.1_6	YUFUB	CD4T 1
## TGTTCCGAGATCACGG.1_6	YUFUB	NK 2
## TGTTCCGAGGCACATG.1_6	YUFUB	CD4T 4
## TGTTCCGAGTCAAGGC.1_6	YUFUB	CD4T 1
## TGTTCCGAGTCGAGTG.1_6	YUFUB	Mono 1
## TGTTCCGAGTGACATA.1_6	YUFUB	Mono 3
## TGTTCCGAGTGGTAAT.1_6	YUFUB	Mono 4
## TGTTCCGCACAACGCC.1_6	YUFUB	CD4T 5
## TGTTCCGCACACTGCG.1_6	YUFUB	CD8T 2
## TGTTCCGCACCGTTGG.1_6	YUFUB	CD4T 3
## TGTTCCGGTGGAAAGA.1_6	YUFUB	Mono 1
## TGTTCCGTGAGCATGT.1_6	YUFUB	TNKT 1
## TGTTCCGTGCGCCATAA.1_6	YUFUB	CD4T 2
## TTAAGTCAGATATGGT.1_6	YUFUB	CD4T 3
## TTAAGTCAGATCCCGC.1_6	YUFUB	NK 4
## TTAAGTCAGGGCACTA.1_6	YUFUB	B 2
## TTAAGTCCATTGCGGC.1_6	YUFUB	CD4T 4
## TTAAGTCGTAGCACGA.1_6	YUFUB	TNKT 1
## TTAAGTCGTACAAGG.1_6	YUFUB	CD4T 1
## TTAAGTCTCCAGAGGA.1_6	YUFUB	Mono 4
## TTAGGACAGCTCAACT.1_6	YUFUB	Mono 8
## TTAGGACGTAGGCTGA.1_6	YUFUB	NK 1
## TTAGGACGTGCAACGA.1_6	YUFUB	NK 4
## TTAGGACTCGACCAGC.1_6	YUFUB	Mono 3
## TTAGGCAAGAGAGCTC.1_6	YUFUB	CD8T 2
## TTAGGCAAGATGCCAG.1_6	YUFUB	CD4T 4

## TTAGGCACACGTTGGC.1_6	YUFUB	CD4T 1
## TTAGGCATCAGCGATT.1_6	YUFUB	CD4T 6
## TTAGTTCAGCAAATCA.1_6	YUFUB	NK 1
## TTAGTTCAGCGTAGTG.1_6	YUFUB	Mono 1
## TTAGTTCGAAGCCGTC.1_6	YUFUB	Mono 3
## TTAGTTCAGACGCCT.1_6	YUFUB	NK 3
## TTAGTTCAGTTTACG.1_6	YUFUB	B 2
## TTAGTTCGTACAAGTA.1_6	YUFUB	TNKT 1
## TTAGTTCGTAGAGCTG.1_6	YUFUB	CD8T 1
## TTAGTTCCTCTATGTT.1_6	YUFUB	CD4T 1
## TTATGCTCAGCATACT.1_6	YUFUB	Mono 3
## TTATGCTGTAGCAAAT.1_6	YUFUB	NK 1
## TTATGCTGTATGAAAC.1_6	YUFUB	B 1
## TTATGCTTCACAGTAC.1_6	YUFUB	NK 1
## TTATGCTTCTGCAGTA.1_6	YUFUB	NK 3
## TCCCAGAGCTACCGC.1_6	YUFUB	Mono 1
## TCCCAGAGGACATTA.1_6	YUFUB	NK 2
## TCCCAGCATAACCTG.1_6	YUFUB	Mono 1
## TCCCAGCATTCCTGC.1_6	YUFUB	Mono 3
## TCCCAGGTGTCCTCT.1_6	YUFUB	B 2
## TCCCAGTCCCTGACT.1_6	YUFUB	TNKT 2
## TCCCAGTCTCTAGGA.1_6	YUFUB	Mono 8
## TTCGAAGCAATGAAAC.1_6	YUFUB	Mono 7
## TTCGAAGTCATTTGGG.1_6	YUFUB	Mono 3
## TTCGAAGTCCTAGAAC.1_6	YUFUB	Mono 1
## TTCGGTCAGCCAGAAC.1_6	YUFUB	CD4T 5
## TTCGGTCAGCGTGAAC.1_6	YUFUB	NK 3
## TTCGGTCAGGCTAGGT.1_6	YUFUB	Mono 7
## TTCGGTCCAAGCCCAC.1_6	YUFUB	Mono 3
## TTCGGTCGTTCACAA.1_6	YUFUB	Mono 8
## TTCGGTCTCAGTTCGA.1_6	YUFUB	CD4T 4
## TTCGGTCTCGCCAGCA.1_6	YUFUB	CD4T 1
## TTCTACAAGAGTACAT.1_6	YUFUB	NK 1
## TTCTACAAGCCTTGAT.1_6	YUFUB	Mono 3
## TTCTACACACTTAAGC.1_6	YUFUB	NK 4
## TTCTACACAGGAACGT.1_6	YUFUB	NK 4
## TTCTACACATTGGGCC.1_6	YUFUB	Mono 5
## TTCTACAGTAAGTAGT.1_6	YUFUB	NK 1
## TTCTACAGTAGCGATG.1_6	YUFUB	Mono 8
## TTCTACAGTGTGGTTT.1_6	YUFUB	Mono 7
## TTCTACAGTTACGACT.1_6	YUFUB	B 1
## TTCTACAGTCCCTTG.1_6	YUFUB	Mono 4
## TTCTACATCTAGAGTC.1_6	YUFUB	NK 1
## TTCTACATCTGTCAAG.1_6	YUFUB	B 2
## TTCTACATCTTTACAC.1_6	YUFUB	Mono 1
## TTCTCAAAGATAGTCA.1_6	YUFUB	NK 1
## TTCTCAACACTCAGGC.1_6	YUFUB	CD4T 3
## TTCTCAAGTAGAGCTG.1_6	YUFUB	NK 1
## TTCTCCTAGGCCCTTG.1_6	YUFUB	B 1
## TTCTCCTAGTGAAGTT.1_6	YUFUB	Mono 5
## TTCTCCTGTCCCTACT.1_6	YUFUB	Mono 8
## TTCTCCTGTTTGTTTC.1_6	YUFUB	TNKT 2
## TTCTCCTTCGGTCCGA.1_6	YUFUB	CD4T 3
## TTCTCCTTCTCCCTGA.1_6	YUFUB	Mono 5

## TTCTTAGAGGGCTTGA.1_6	YUFUB	Mono 3
## TTCTTAGGTAGCGATG.1_6	YUFUB	Mono 1
## TTCTTAGTCACGCATA.1_6	YUFUB	B 1
## TTCTTAGTCGACGGAA.1_6	YUFUB	B 3
## TTCTTAGTCGCTTAGA.1_6	YUFUB	CD8T 2
## TTGAACGCACGAGGTA.1_6	YUFUB	CD4T 5
## TTGAACGCACTGAAGG.1_6	YUFUB	Mono 3
## TTGAACGCAGCTCGCA.1_6	YUFUB	B 2
## TTGAACGTCGGAAATA.1_6	YUFUB	NK 2
## TTGACTTAGAAGGTTT.1_6	YUFUB	CD4T 5
## TTGACTTAGTCCTCCT.1_6	YUFUB	B 2
## TTGACTTGTAAGGGCT.1_6	YUFUB	CD4T 7
## TTGACTTTCGCAAGCC.1_6	YUFUB	Mono 4
## TTGACTTCTCTTAGGA.1_6	YUFUB	Mono 1
## TTGCCGTCACCATCCT.1_6	YUFUB	Mono 4
## TTGCCGTGTGTCTGAT.1_6	YUFUB	Mono 4
## TTGCCGTGTGTTCTTT.1_6	YUFUB	B 1
## TTGCCGTGTAGAACAA.1_6	YUFUB	Mono 8
## TTGCCGTGTCCATGA.1_6	YUFUB	B 2
## TTGCCGTTACAGTAC.1_6	YUFUB	NK 3
## TTGCCGTTCTGAAAGA.1_6	YUFUB	TNKT 1
## TTGCGTCGTCGAAAGC.1_6	YUFUB	CD4T 4
## TTGCGTCTCAACGGGA.1_6	YUFUB	NK 3
## TTGCGTCTCTGGCGTG.1_6	YUFUB	Mono 3
## TTGGAACAGACGCAAC.1_6	YUFUB	B 2
## TTGGAACAGAGCTATA.1_6	YUFUB	Mono 4
## TTGGAACGTGCACTTA.1_6	YUFUB	NK 1
## TTGGAACGCGCCAA.1_6	YUFUB	B 1
## TTGGCAAAGGGCATGT.1_6	YUFUB	NK 1
## TTGGCAACAAGACACG.1_6	YUFUB	CD4T 4
## TTGGCAACAAGGACAC.1_6	YUFUB	NK 1
## TTGGCAACACAGACTT.1_6	YUFUB	NK 4
## TTGGCAACAGCGTCCA.1_6	YUFUB	B 2
## TTGGCAAGTTGGACCC.1_6	YUFUB	NK 3
## TTGGCAATCAGTGTG.1_6	YUFUB	Mono 3
## TTGGCAATCTTTAGTC.1_6	YUFUB	Mono 2
## TTGTAGGAGCTAGGCA.1_6	YUFUB	NK 3
## TTGTAGGAGGATGTAT.1_6	YUFUB	NK 1
## TTGTAGGGTAGCGCAA.1_6	YUFUB	Mono 4
## TTGTAGGTCTGGCGAC.1_6	YUFUB	Mono 8
## TTTACTGAGTCGCCGT.1_6	YUFUB	Mono 4
## TTTACTGGTCAGGACA.1_6	YUFUB	CD4T 1
## TTTACTGTCAAACAAG.1_6	YUFUB	B 3
## TTTACTGTCAACCATG.1_6	YUFUB	Mono 7
## TTTACTGTCAAGAAGT.1_6	YUFUB	CD4T 3
## TTTATGCGTAATCGTC.1_6	YUFUB	Mono 4
## TTTATGCGTACTCTCC.1_6	YUFUB	CD4T 3
## TTTATGCTCAAGATCC.1_6	YUFUB	CD4T 3
## TTTATGCTCTCTTGAT.1_6	YUFUB	Mono 2
## TTTATGCTCTTCCTTC.1_6	YUFUB	Mono 1
## TTTCTCAGAGACGAA.1_6	YUFUB	NK 2
## TTTCTCAGGAGCGAG.1_6	YUFUB	Mono 7
## TTTCTCAGTGAACAT.1_6	YUFUB	TNKT 1
## TTTCTCCAAGCTGAG.1_6	YUFUB	Mono 3

## TTTCTCTCGTAACGACG.1_6	YUFUB	CD4T 4
## TTTCTCTCTCACGGTTA.1_6	YUFUB	B 1
## TTTGCGCCACGAAACG.1_6	YUFUB	Mono 8
## TTTGCGCCAGAGTGTG.1_6	YUFUB	Mono 4
## TTTGCGCCATGAGCGA.1_6	YUFUB	B 3
## TTTGCGCGTCAAAGAT.1_6	YUFUB	NK 1
## TTTGCGCTCGGCCGAT.1_6	YUFUB	Mono 1
## TTTGCGCTCTGCGGCA.1_6	YUFUB	Mono 8
## TTTGCGCTCTTGGGTA.1_6	YUFUB	Mono 4
## TTTGGTTCAAGCCGTC.1_6	YUFUB	Mono 3
## TTTGGTTCAATCTGCA.1_6	YUFUB	Mono 5
## TTTGGTTCACGGTAAG.1_6	YUFUB	NK 1
## TTTGGTTCATCCCATC.1_6	YUFUB	Mono 3
## TTTGGTTGTCTCTTAT.1_6	YUFUB	Mono 5
## TTTGGTTTCCGATATG.1_6	YUFUB	Mono 8
## TTTGTACAGGGTATG.1_6	YUFUB	Mono 3
## TTTGTACAGTACCCAAT.1_6	YUFUB	CD4T 7
## TTTGTATCAGCACAT.1_6	YUFUB	CD4T 6
## TTTGTATCGCACTCT.1_6	YUFUB	CD4T 1
## AAACCTGAGCTCCTTC.1_7	YUTAU	Mono 6
## AAACCTGAGGTAAACT.1_7	YUTAU	CD4T 1
## AAACCTGCAGGGATTG.1_7	YUTAU	CD4T 3
## AAACCTGCATATACCG.1_7	YUTAU	Mono 8
## AAACCTGGTAACGCGA.1_7	YUTAU	Mono 7
## AAACCTGGTCTCCCTA.1_7	YUTAU	NK 3
## AAACCTGGTGGTGTAG.1_7	YUTAU	NK 3
## AAACCTGTCACGATGT.1_7	YUTAU	B 1
## AAACCTGTCCACGCAG.1_7	YUTAU	Mono 7
## AAACGGGCAAGTCTAC.1_7	YUTAU	DC 1
## AAACGGGCATGTAGTC.1_7	YUTAU	CD4T 5
## AAACGGGGTATATGAG.1_7	YUTAU	Mono 7
## AAACGGGTCCAATGGT.1_7	YUTAU	Mono 6
## AAAGATGAGGCGATAC.1_7	YUTAU	B 1
## AAAGATGCAAAGGCGT.1_7	YUTAU	Mono 7
## AAAGATGCACCTCGGA.1_7	YUTAU	Mono 1
## AAAGATGCATACAGCT.1_7	YUTAU	Mono 3
## AAAGATGCATCAGTCA.1_7	YUTAU	CD8T 3
## AAAGATGGTAAGGGAA.1_7	YUTAU	TNKT 2
## AAAGATGGTAGCCTCG.1_7	YUTAU	Mono 1
## AAAGCAAAGCGCCTTG.1_7	YUTAU	Mono 7
## AAAGCAAAGGGCTTGA.1_7	YUTAU	Mono 5
## AAAGCAACACATGGGA.1_7	YUTAU	Mono 4
## AAAGCAACATTGAGCT.1_7	YUTAU	CD4T 1
## AAAGCAATCGCCTGTT.1_7	YUTAU	CD4T 1
## AAAGCAATCGGAAACG.1_7	YUTAU	CD4T 1
## AAAGCAATCTCGTTTA.1_7	YUTAU	DC 1
## AAAGTAGAGAACTGTA.1_7	YUTAU	Mono 6
## AAAGTAGAGCAACGGT.1_7	YUTAU	DC 1
## AAAGTAGAGTGGGATC.1_7	YUTAU	Mono 7
## AAAGTAGCAATGGTCT.1_7	YUTAU	Mono 3
## AAAGTAGCACCTATC.1_7	YUTAU	Mono 1
## AAAGTAGCATCTATGG.1_7	YUTAU	DC 1
## AAAGTAGGTAGCGTGA.1_7	YUTAU	CD4T 3
## AAAGTAGGTCGATTGT.1_7	YUTAU	DC 1

## AAAGTAGTCCCTAATT.1_7	YUTAU	CD8T 2
## AAATGCCCAAGAAGAG.1_7	YUTAU	CD4T 1
## AAATGCCCAAGGACAC.1_7	YUTAU	CD4T 2
## AAATGCCCATCGATTG.1_7	YUTAU	CD4T 7
## AAATGCCGTACCAGTT.1_7	YUTAU	CD8T 1
## AAATGCCGTAGATTAG.1_7	YUTAU	CD4T 1
## AAATGCCGTCAGATAA.1_7	YUTAU	Mono 4
## AAATGCCGTGAGGGAG.1_7	YUTAU	TNKT 1
## AAATGCCGTTTCGCTAA.1_7	YUTAU	Mono 4
## AACACGTAGATCACGG.1_7	YUTAU	CD4T 1
## AACACGTAGGTTCCCTA.1_7	YUTAU	Mono 1
## AACACGTACACCACCAG.1_7	YUTAU	Mono 8
## AACACGTACAGTTTACG.1_7	YUTAU	Mono 7
## AACACGTCATTAGCCA.1_7	YUTAU	B 1
## AACACGTGTGCGAAAC.1_7	YUTAU	TNKT 1
## AACCATGAGACCGGAT.1_7	YUTAU	Mono 7
## AACCATGAGATCTGCT.1_7	YUTAU	CD4T 5
## AACCATGCAGCCAGAA.1_7	YUTAU	Mono 4
## AACCATGTCCGTCAA.1_7	YUTAU	Mono 1
## AACCATGTCTCGCATC.1_7	YUTAU	Mono 2
## AACCGCGCAACACCTA.1_7	YUTAU	B 1
## AACCGCGCAAGTACCT.1_7	YUTAU	Mono 3
## AACCGCGCACCCATTC.1_7	YUTAU	B 2
## AACCGCGCAGATGGGT.1_7	YUTAU	Mono 4
## AACCGCGGTCCGACGT.1_7	YUTAU	NK 1
## AACCGCGGTACAGAA.1_7	YUTAU	Mono 7
## AACCGCGTCATTTGGG.1_7	YUTAU	Mono 7
## AACCGCGTCCGAAGAG.1_7	YUTAU	Mono 4
## AACCGCGTCGCGGATC.1_7	YUTAU	Mono 3
## AACGTTGCACCAGCAC.1_7	YUTAU	Mono 5
## AACGTTGCAGATAATG.1_7	YUTAU	Mono 1
## AACGTTGCATGGTTGT.1_7	YUTAU	Mono 5
## AACGTTGGTCCAGTGC.1_7	YUTAU	NK 1
## AACGTTGGTCTCAACA.1_7	YUTAU	Mono 7
## AACGTTGTCCCTAACC.1_7	YUTAU	Mono 7
## AACGTTGTCTGTACGG.1_7	YUTAU	CD8T 1
## AACGTTGTCTGTGCAA.1_7	YUTAU	CD8T 2
## AACTCAGAGATACACA.1_7	YUTAU	Mono 6
## AACTCAGAGTACGATA.1_7	YUTAU	NK 3
## AACTCAGCACCGAAAG.1_7	YUTAU	CD4T 3
## AACTCAGCAGCCTGTG.1_7	YUTAU	Mono 7
## AACTCAGCATCATCCC.1_7	YUTAU	Mono 8
## AACTCAGCATGCAATC.1_7	YUTAU	Mono 7
## AACTCAGGTACCAGTT.1_7	YUTAU	CD4T 2
## AACTCAGGTAGAAGGA.1_7	YUTAU	Mono 6
## AACTCAGGTCAACTGT.1_7	YUTAU	Mono 1
## AACTCAGTCATCGGAT.1_7	YUTAU	B 1
## AACTCAGTCTTCCTTC.1_7	YUTAU	Mono 7
## AACTCCCAGCGGCTTC.1_7	YUTAU	Mono 7
## AACTCCCAGGGTGTGT.1_7	YUTAU	TNKT 2
## AACTCCCCAAGGACTG.1_7	YUTAU	B 3
## AACTCCCCAATTGCTG.1_7	YUTAU	CD4T 5
## AACTCCCGTAGCTGCC.1_7	YUTAU	Mono 7
## AACTCCCGTCGAACAG.1_7	YUTAU	Mono 4

## AACTCCCTCACAACGT.1_7	YUTAU	NK 2
## AACTCCCTCACCAGGC.1_7	YUTAU	CD4T 5
## AACTCCCTCAGTTGAC.1_7	YUTAU	B 2
## AACTCTTCAATGGAAT.1_7	YUTAU	Mono 9
## AACTCTTCACTTACGA.1_7	YUTAU	CD4T 5
## AACTCTTCAGCAGTTT.1_7	YUTAU	CD4T 3
## AACTCTTGTTCTGAATC.1_7	YUTAU	CD4T 6
## AACTCTTTCCAATGGT.1_7	YUTAU	CD4T 5
## AACTCTTTTCGAACTGT.1_7	YUTAU	CD4T 2
## AACTGGTAGACCACGA.1_7	YUTAU	Mono 2
## AACTGGTAGACCCACC.1_7	YUTAU	Mono 9
## AACTGGTAGCGTAATA.1_7	YUTAU	CD4T 1
## AACTGGTAGGACAGAA.1_7	YUTAU	Mono 7
## AACTGGTCACTAGTAC.1_7	YUTAU	Mono 3
## AACTGGTGTACAAGTA.1_7	YUTAU	CD4T 2
## AACTGGTTCATTATCC.1_7	YUTAU	Mono 7
## AACTGGTTCCGCGGTA.1_7	YUTAU	Mono 6
## AACTGGTTCCGGGTGT.1_7	YUTAU	Mono 7
## AACTGGTTCTGCCAGG.1_7	YUTAU	Mono 3
## AACTGGTTCTTCGAGA.1_7	YUTAU	CD4T 5
## AACTTTTCAGAAACCAT.1_7	YUTAU	Mono 5
## AACTTTTCAGCACCGCT.1_7	YUTAU	DC 1
## AACTTTTCAGCCGCCTA.1_7	YUTAU	Mono 6
## AACTTTCCAAACCCAT.1_7	YUTAU	CD4T 4
## AACTTTCCAACACCCG.1_7	YUTAU	CD4T 7
## AACTTTCTGTGGCGAAT.1_7	YUTAU	B 1
## AACTTTCTCAATCACG.1_7	YUTAU	CD8T 1
## AAGACCTAGAATTCCC.1_7	YUTAU	TNKT 2
## AAGACCTAGATATACG.1_7	YUTAU	DC 1
## AAGACCTAGCGTGAAC.1_7	YUTAU	CD4T 5
## AAGACCTAGTATTGGA.1_7	YUTAU	B 2
## AAGACCTAGTCTTGCA.1_7	YUTAU	CD4T 5
## AAGACCTCAGCCAGAA.1_7	YUTAU	Mono 5
## AAGACCTGTCTAAACC.1_7	YUTAU	Mono 3
## AAGACCTGTCTCTCGT.1_7	YUTAU	CD4T 4
## AAGACCTTCAAGGTAA.1_7	YUTAU	TNKT 1
## AAGACCTTCGCCAAAT.1_7	YUTAU	Mono 9
## AAGACCTTCTATCCTA.1_7	YUTAU	CD4T 5
## AAGACCTTCTGACCTC.1_7	YUTAU	Mono 3
## AAGACCTTCTGCCCTA.1_7	YUTAU	TNKT 1
## AAGACCTTCTGCTGCT.1_7	YUTAU	DC 1
## AAGCCGCAGAAACCAT.1_7	YUTAU	CD4T 1
## AAGCCGCAGAGACTAT.1_7	YUTAU	CD4T 4
## AAGCCGCAGAGAGCTC.1_7	YUTAU	Mono 1
## AAGCCGCCAATGGACG.1_7	YUTAU	B 2
## AAGCCGCGTACGAAAT.1_7	YUTAU	B 1
## AAGCCGCGTGACTION.1_7	YUTAU	DC 1
## AAGCCGCGTTAAGACA.1_7	YUTAU	CD4T 3
## AAGCCGCTCAGTCCCT.1_7	YUTAU	B 2
## AAGCCGCTCATGTGGT.1_7	YUTAU	Mono 7
## AAGCCGCTCATTGCCC.1_7	YUTAU	Mono 2
## AAGCCGCTCCGTAGGC.1_7	YUTAU	CD4T 5
## AAGGAGCAGAGTGACC.1_7	YUTAU	Mono 7
## AAGGAGCAGCAATATG.1_7	YUTAU	CD8T 1

## AAGGAGCCAAATCCGT.1_7	YUTAU	CD4T 4
## AAGGAGCGTATATGGA.1_7	YUTAU	CD4T 4
## AAGGAGCGTTTCCACC.1_7	YUTAU	CD8T 1
## AAGGAGCTCACCGGT.1_7	YUTAU	CD8T 1
## AAGGCAGAGGCAATTA.1_7	YUTAU	Mono 4
## AAGGCAGAGGCATGGT.1_7	YUTAU	Mono 3
## AAGGCAGCAAAGAATC.1_7	YUTAU	TNKT 2
## AAGGCAGCATGCAATC.1_7	YUTAU	Mono 9
## AAGGCAGGTACGCTGC.1_7	YUTAU	Mono 3
## AAGGCAGGTGACCAAG.1_7	YUTAU	Mono 3
## AAGGCAGGTGCACTTA.1_7	YUTAU	CD4T 1
## AAGGCAGGTGCGGTAA.1_7	YUTAU	Mono 3
## AAGGCAGGTTATGTGC.1_7	YUTAU	CD8T 1
## AAGGCAGTCATCTGCC.1_7	YUTAU	Mono 6
## AAGGCAGTCCGTCATC.1_7	YUTAU	CD4T 1
## AAGGTTTCAGTCATCCA.1_7	YUTAU	CD8T 1
## AAGGTTCCATCGGACC.1_7	YUTAU	B 2
## AAGGTTTCGTAAGGATT.1_7	YUTAU	NK 1
## AAGGTTTCGTAGCAAAT.1_7	YUTAU	Mono 6
## AAGGTTTCGTCAATGTC.1_7	YUTAU	Mono 3
## AAGGTTCTCACTATTC.1_7	YUTAU	CD4T 5
## AAGGTTCTCAGGCGAA.1_7	YUTAU	Mono 6
## AAGTCTGAGACGCAAC.1_7	YUTAU	CD4T 2
## AAGTCTGCAAAGGAAG.1_7	YUTAU	Mono 4
## AAGTCTGCACAACGTT.1_7	YUTAU	CD4T 4
## AAGTCTGGTCCATGAT.1_7	YUTAU	NK 1
## AAGTCTGTCACAAACC.1_7	YUTAU	CD4T 1
## AATCCAGCAATGGATA.1_7	YUTAU	Mono 9
## AATCCAGGTGCCTGGT.1_7	YUTAU	CD4T 2
## AATCCAGTCACAGGCC.1_7	YUTAU	Mono 9
## AATCCAGTCTCAAGTG.1_7	YUTAU	CD8T 2
## AATCGGTAGGGAGTAA.1_7	YUTAU	Mono 3
## AATCGGTAGGGTCGAT.1_7	YUTAU	Mono 2
## AATCGGTAGTACGACG.1_7	YUTAU	Mono 7
## AATCGGTCACACATGT.1_7	YUTAU	CD4T 6
## AATCGGTCAGACAAGC.1_7	YUTAU	NK 3
## AATCGGTCATAGAAAC.1_7	YUTAU	CD4T 4
## AATCGGTCATCTACGA.1_7	YUTAU	CD4T 1
## AATCGGTGTAACGTTT.1_7	YUTAU	CD4T 2
## AATCGGTGTACCCAG.1_7	YUTAU	CD4T 5
## AATCGGTGTGAGGGAG.1_7	YUTAU	CD4T 6
## AATCGGTGTTAAGATG.1_7	YUTAU	Mono 6
## AATCGGTTCTAGCACA.1_7	YUTAU	Mono 2
## ACACCAACACTCAGGC.1_7	YUTAU	Mono 6
## ACACCAAGTAGTAGTA.1_7	YUTAU	Mono 7
## ACACCAAGTGTAAGTA.1_7	YUTAU	CD8T 2
## ACACCAATCAACTCTT.1_7	YUTAU	CD4T 1
## ACACCAATCAGTTTGG.1_7	YUTAU	CD4T 1
## ACACCAATCCTAGGGC.1_7	YUTAU	Mono 7
## ACACCAATCTCGATGA.1_7	YUTAU	Mono 7
## ACACCCTAGAAGCCCA.1_7	YUTAU	CD4T 4
## ACACCCTAGCGGCTTC.1_7	YUTAU	TNKT 2
## ACACCCTCACGAAATA.1_7	YUTAU	DC 1
## ACACCCTCACGTAAGG.1_7	YUTAU	Mono 7

## ACACCCTGTAGCACGA.1_7	YUTAU	CD4T 3
## ACACCCTGTCAATGTC.1_7	YUTAU	Mono 7
## ACACCCTGTTCCCGAG.1_7	YUTAU	Mono 6
## ACACCCTTCGCATGAT.1_7	YUTAU	NK 1
## ACACCCTTCGTCTGAA.1_7	YUTAU	Mono 3
## ACACCGGAGACCTAGG.1_7	YUTAU	B 2
## ACACCGGCATCCCACT.1_7	YUTAU	CD4T 5
## ACACCGGGTCACCCAG.1_7	YUTAU	NK 2
## ACACCGGGTCATATCG.1_7	YUTAU	CD4T 5
## ACACCGGGTGATAAAC.1_7	YUTAU	Mono 1
## ACACCGGGTGCTGTAT.1_7	YUTAU	CD4T 5
## ACACCGGTCACGCGGT.1_7	YUTAU	CD4T 1
## ACACCGGTCTGAGGGA.1_7	YUTAU	Mono 7
## AACTGAAGTACGCCC.1_7	YUTAU	CD4T 6
## AACTGACACCTTGTC.1_7	YUTAU	CD4T 1
## AACTGAGTCAATACC.1_7	YUTAU	CD4T 3
## AACTGAGTGAAAGAG.1_7	YUTAU	NK 2
## AACTGAGTGATAAAC.1_7	YUTAU	Mono 5
## AACTGATCGCATGAT.1_7	YUTAU	CD4T 6
## AACTGATCGCGGATC.1_7	YUTAU	Mono 2
## ACAGCCGAGATCGATA.1_7	YUTAU	CD8T 1
## ACAGCCGAGATGTGGC.1_7	YUTAU	Mono 7
## ACAGCCGCACCATGTA.1_7	YUTAU	Mono 5
## ACAGCCGCAGTAAGCG.1_7	YUTAU	DC 1
## ACAGCCGCATTGGTAC.1_7	YUTAU	Mono 3
## ACAGCCGTGGGTATG.1_7	YUTAU	CD4T 1
## ACAGCCGTCAACTCTT.1_7	YUTAU	Mono 1
## ACAGCCGTCCGCAAGC.1_7	YUTAU	Mono 5
## ACAGCTAAGAACAAC.1_7	YUTAU	Mono 4
## ACAGCTAAGAATTGTG.1_7	YUTAU	Mono 6
## ACAGCTAAGACACGAC.1_7	YUTAU	Mono 6
## ACAGCTAAGTTACCCA.1_7	YUTAU	Mono 4
## ACAGCTACACTCAGGC.1_7	YUTAU	Mono 5
## ACAGCTACAGATGAGC.1_7	YUTAU	Mono 1
## ACAGCTAGTAGCACGA.1_7	YUTAU	CD4T 2
## ACAGCTAGTATAGTAG.1_7	YUTAU	Mono 1
## ACAGCTAGTCTAGTGT.1_7	YUTAU	B 1
## ACAGCTAGTTAAGACA.1_7	YUTAU	Mono 7
## ACAGCTATCAATAAGG.1_7	YUTAU	Mono 6
## ACAGCTATCACCTCA.1_7	YUTAU	Mono 1
## ACAGCTATCAGCTGGC.1_7	YUTAU	Mono 5
## ACAGCTATCCCTCAGT.1_7	YUTAU	Mono 7
## ACAGCTATCTCAAGTG.1_7	YUTAU	DC 1
## ACAGCTATCTTCGGTC.1_7	YUTAU	Mono 6
## ACATACGAGCCAGTTT.1_7	YUTAU	Mono 3
## ACATACGAGGGAAACA.1_7	YUTAU	CD4T 2
## ACATACGAGTTCGATC.1_7	YUTAU	CD4T 1
## ACATACGCAACACCCG.1_7	YUTAU	CD4T 7
## ACATACGCAGATCTGT.1_7	YUTAU	Mono 7
## ACATACGGTCATATCG.1_7	YUTAU	Mono 2
## ACATACGGTCCTCTTG.1_7	YUTAU	NK 3
## ACATACGGTCTAGGTT.1_7	YUTAU	Mono 3
## ACATACGGTCTGGTCG.1_7	YUTAU	CD4T 6
## ACATACGGTTCGTCTC.1_7	YUTAU	CD4T 2

## ACATACGGTTGGGACA.1_7	YUTAU	Mono 6
## ACATACGTACCTCGT.1_7	YUTAU	CD8T 1
## ACATACGTCCCTAACC.1_7	YUTAU	CD4T 5
## ACATCAGAGGTGTTAA.1_7	YUTAU	Mono 5
## ACATCAGCAAGAAGAG.1_7	YUTAU	Mono 9
## ACATCAGCAATGGAAT.1_7	YUTAU	TNKT 1
## ACATCAGCAGGTGCCT.1_7	YUTAU	Mono 7
## ACATCAGGTATAGGGC.1_7	YUTAU	NK 1
## ACATCAGGTCTAGCCG.1_7	YUTAU	Mono 7
## ACATCAGTCCGCGTTT.1_7	YUTAU	Mono 6
## ACATCAGTCCTAGTGA.1_7	YUTAU	Mono 1
## ACATCAGTCGAGCCCA.1_7	YUTAU	Mono 8
## ACATGGTAGAAACCGC.1_7	YUTAU	CD4T 4
## ACATGGTAGATGTAAC.1_7	YUTAU	TNKT 1
## ACATGGTCAGAAGCAC.1_7	YUTAU	CD8T 1
## ACATGGTGTATTACCG.1_7	YUTAU	CD4T 1
## ACATGGTGTGATAAAC.1_7	YUTAU	Mono 7
## ACATGGTGTGGCAAAC.1_7	YUTAU	Mono 8
## ACCAGTAAGACAGACC.1_7	YUTAU	Mono 7
## ACCAGTAAGATTACCC.1_7	YUTAU	TNKT 1
## ACCAGTACACCGAAAG.1_7	YUTAU	CD8T 1
## ACCAGTACACGTCAGC.1_7	YUTAU	CD4T 1
## ACCAGTACACTTGAT.1_7	YUTAU	Mono 7
## ACCAGTACATCACCT.1_7	YUTAU	CD4T 6
## ACCAGTAGTCCGAACC.1_7	YUTAU	Mono 4
## ACCAGTAGTGCCTGCA.1_7	YUTAU	NK 3
## ACCAGTATCAACCATG.1_7	YUTAU	Mono 7
## ACCAGTATCTGCTGCT.1_7	YUTAU	CD4T 5
## ACCCACTCACCGAATT.1_7	YUTAU	CD4T 4
## ACCCACTCAGTAGAGC.1_7	YUTAU	NK 3
## ACCCACTGTCGGGTCT.1_7	YUTAU	CD4T 3
## ACCCACTGTTCGTCTC.1_7	YUTAU	Mono 7
## ACCCACTTCCGTCAA.1_7	YUTAU	CD4T 7
## ACCCACTTCGCGGATC.1_7	YUTAU	Mono 4
## ACCCACTTCGTTGACA.1_7	YUTAU	CD4T 1
## ACCGTAAAGAAAGTGG.1_7	YUTAU	CD8T 2
## ACCGTAAAGCCCGAAA.1_7	YUTAU	Mono 2
## ACCGTAAAGTAATCCC.1_7	YUTAU	B 2
## ACCGTAAAGTCTTGATG.1_7	YUTAU	Mono 4
## ACCGTAATCCACTCCA.1_7	YUTAU	NK 1
## ACCTTTACACCCAGTG.1_7	YUTAU	Mono 8
## ACCTTTACATCGATGT.1_7	YUTAU	CD4T 5
## ACCTTTAGTTAAGATG.1_7	YUTAU	Mono 7
## ACCTTTATCAGCAACT.1_7	YUTAU	Mono 7
## ACCTTTATCAGGATCT.1_7	YUTAU	TNKT 2
## ACGAGCCAGAAGGTGA.1_7	YUTAU	Mono 4
## ACGAGCCAGAGGGATA.1_7	YUTAU	Mono 4
## ACGAGCCAGTTTGCCT.1_7	YUTAU	Mono 4
## ACGAGCCCAACAACCT.1_7	YUTAU	DC 1
## ACGAGCCTCAGGTTCA.1_7	YUTAU	Mono 4
## ACGAGCCTCCAGTATG.1_7	YUTAU	Mono 3
## ACGAGCCTCTGCTGCT.1_7	YUTAU	Mono 7
## ACGAGGACACCACGTG.1_7	YUTAU	Mono 6
## ACGAGGAGTACCTACA.1_7	YUTAU	CD8T 1

## ACGAGGAGTGTGAAAT.1_7	YUTAU	TNKT 1
## ACGAGGATCGAGGTAG.1_7	YUTAU	CD4T 1
## ACGATACAGAGTCGGT.1_7	YUTAU	Mono 6
## ACGATACAGGAAACA.1_7	YUTAU	NK 1
## ACGATACCAATAGCAA.1_7	YUTAU	B 1
## ACGATACCACCAACCG.1_7	YUTAU	TNKT 1
## ACGATACCACCCTATC.1_7	YUTAU	NK 3
## ACGATACCAGCGTCCA.1_7	YUTAU	B 1
## ACGATACCATTAGGCT.1_7	YUTAU	CD4T 5
## ACGATACGTACCAGTT.1_7	YUTAU	TNKT 2
## ACGATACGTCATCCCT.1_7	YUTAU	DC 1
## ACGATACGTCTAAAGA.1_7	YUTAU	Mono 3
## ACGATACGTGTAATGA.1_7	YUTAU	B 2
## ACGATACTCATCGCTC.1_7	YUTAU	CD4T 4
## ACGATACTCCGCATCT.1_7	YUTAU	Mono 9
## ACGATACTCGGATGGA.1_7	YUTAU	TNKT 1
## ACGATACTCTTGTCAT.1_7	YUTAU	CD4T 1
## ACGATGTAGATAGCAT.1_7	YUTAU	Mono 7
## ACGATGTCATGTTCCC.1_7	YUTAU	CD4T 1
## ACGATGTGTACTTGAC.1_7	YUTAU	Mono 5
## ACGATGTGTAGTACCT.1_7	YUTAU	Mono 8
## ACGATGTGTCCGTCAG.1_7	YUTAU	TNKT 1
## ACGATGTGTCTTGATG.1_7	YUTAU	CD4T 1
## ACGATGTTCAGAAATG.1_7	YUTAU	Mono 4
## ACGATGTTCCAAAGTC.1_7	YUTAU	CD4T 5
## ACGATGTTCCTTAATC.1_7	YUTAU	CD4T 5
## ACGCAGCAGAATTCCC.1_7	YUTAU	Mono 8
## ACGCAGCAGAGACTTA.1_7	YUTAU	B 1
## ACGCAGCAGTGCCATT.1_7	YUTAU	Mono 1
## ACGCAGCCAAAGGAAG.1_7	YUTAU	CD4T 7
## ACGCAGCCAAAGGTGC.1_7	YUTAU	Mono 8
## ACGCAGCCATGAACCT.1_7	YUTAU	Mono 9
## ACGCAGCGTAACGCGA.1_7	YUTAU	CD4T 1
## ACGCAGCGTATGGTTC.1_7	YUTAU	CD4T 4
## ACGCAGCGTGCAGACA.1_7	YUTAU	CD4T 1
## ACGCAGCGTGCCTTGG.1_7	YUTAU	CD4T 5
## ACGCAGCTCTATCGCC.1_7	YUTAU	Mono 7
## ACGCCAGAGACAATAC.1_7	YUTAU	CD4T 5
## ACGCCAGAGATATGGT.1_7	YUTAU	CD4T 4
## ACGCCAGAGCCCTAAT.1_7	YUTAU	Mono 2
## ACGCCAGAGGAGTACC.1_7	YUTAU	Mono 3
## ACGCCAGAGGGAAACA.1_7	YUTAU	CD4T 1
## ACGCCAGCAATAAGCA.1_7	YUTAU	Mono 2
## ACGCCAGCACCTCGTT.1_7	YUTAU	TNKT 1
## ACGCCAGCAGGTTTCA.1_7	YUTAU	NK 4
## ACGCCAGCATCACGAT.1_7	YUTAU	CD4T 5
## ACGCCAGCATGGTCAT.1_7	YUTAU	Mono 3
## ACGCCAGGTCCAGTGC.1_7	YUTAU	NK 3
## ACGCCAGTCAGCTTAG.1_7	YUTAU	Mono 6
## ACGCCAGTCCCAAGTA.1_7	YUTAU	Mono 3
## ACGCCGACACGTCAGC.1_7	YUTAU	Mono 5
## ACGCCGACAGTAAGCG.1_7	YUTAU	Mono 5
## ACGCCGATCAATCTCT.1_7	YUTAU	Mono 7
## ACGCCGATCGTTTAGG.1_7	YUTAU	CD8T 1

##	ACGCCGATCTAAGCCA.1_7	YUTAU	CD4T	1
##	ACGCCGATCTCCAGGG.1_7	YUTAU	Mono	4
##	ACGGAGAAGAGGTAGA.1_7	YUTAU	DC	1
##	ACGGAGACACATTTCT.1_7	YUTAU	CD4T	1
##	ACGGCCAAGACAGAGA.1_7	YUTAU	CD8T	1
##	ACGGCCAAGGCCCTCA.1_7	YUTAU	Mono	7
##	ACGGCCACAAGTCTAC.1_7	YUTAU	CD4T	6
##	ACGGCCACAGGGCATA.1_7	YUTAU	CD4T	7
##	ACGGCCAGTAAATGAC.1_7	YUTAU	CD4T	5
##	ACGGCCATCCTTAATC.1_7	YUTAU	NK	3
##	ACGGGCTGTGAGGGAG.1_7	YUTAU	DC	1
##	ACGGGCTGTGCTCTCT.1_7	YUTAU	B	1
##	ACGGGCTTCCGCGGTA.1_7	YUTAU	Mono	8
##	ACGGGCTTCGCAAACT.1_7	YUTAU	Mono	8
##	ACGGGCTTCTCCCTGA.1_7	YUTAU	Mono	9
##	ACGGGCTTCTCGTTTA.1_7	YUTAU	CD4T	5
##	ACGGGCTTCTTAGCCC.1_7	YUTAU	TNKT	1
##	ACGGGTCAGAGGGCTT.1_7	YUTAU	Mono	6
##	ACGGGTCAGCCGCCTA.1_7	YUTAU	CD4T	1
##	ACGGGTCAGTCAAGGC.1_7	YUTAU	CD4T	7
##	ACGGGTCCAAAGAATC.1_7	YUTAU	CD4T	1
##	ACGGGTCTGTCACCTTA.1_7	YUTAU	Mono	5
##	ACGGGTCTCAACCAAC.1_7	YUTAU	Mono	1
##	ACGGGTCTCATTCACT.1_7	YUTAU	CD4T	1
##	ACGGGTCTCCGAGCCA.1_7	YUTAU	Mono	2
##	ACGTCAAAGAAGGACA.1_7	YUTAU	CD4T	4
##	ACGTCAACAAGGTTTC.1_7	YUTAU	Mono	9
##	ACGTCAAGTCATGCAT.1_7	YUTAU	Mono	8
##	ACGTCAAGTGCTGTAT.1_7	YUTAU	TNKT	2
##	ACGTCAATCGGAGGTA.1_7	YUTAU	TNKT	1
##	ACTATCTAGACCTAGG.1_7	YUTAU	CD4T	6
##	ACTATCTAGAGCTATA.1_7	YUTAU	NK	3
##	ACTATCTAGGAATGGA.1_7	YUTAU	CD4T	5
##	ACTATCTCACCGCTAG.1_7	YUTAU	CD4T	2
##	ACTATCTCACTCAGGC.1_7	YUTAU	TNKT	1
##	ACTATCTCATCATCCC.1_7	YUTAU	Mono	2
##	ACTATCTTCAGCTTAG.1_7	YUTAU	Mono	6
##	ACTATCTTCCCTCTTT.1_7	YUTAU	CD4T	4
##	ACTATCTTCCGGGTGT.1_7	YUTAU	CD4T	1
##	ACTGAACAGACCACGA.1_7	YUTAU	Mono	3
##	ACTGAACAGCAGGCTA.1_7	YUTAU	Mono	3
##	ACTGAACAGTGAATTG.1_7	YUTAU	CD8T	1
##	ACTGAACCAAAGAATC.1_7	YUTAU	Mono	7
##	ACTGAACCAACTGGCC.1_7	YUTAU	Mono	5
##	ACTGAACCAAGCTGAG.1_7	YUTAU	Mono	4
##	ACTGAACCACAGAGGT.1_7	YUTAU	Mono	7
##	ACTGAACCATCTCCCA.1_7	YUTAU	CD4T	1
##	ACTGAACCATGAACCT.1_7	YUTAU	NK	2
##	ACTGAACGTACCAGTT.1_7	YUTAU	CD8T	2
##	ACTGAACGTACCTACA.1_7	YUTAU	CD8T	1
##	ACTGAACGTACCCAG.1_7	YUTAU	CD8T	1
##	ACTGAACGTCAGAGGT.1_7	YUTAU	B	2
##	ACTGAACTCAATACCG.1_7	YUTAU	Mono	7
##	ACTGAACTCAGAGACG.1_7	YUTAU	NK	2

## ACTGAACTCCATGAAC.1_7	YUTAU	CD4T 5
## ACTGAACTCTCTGAGA.1_7	YUTAU	Mono 7
## ACTGAGTAGACTAAGT.1_7	YUTAU	CD8T 1
## ACTGAGTAGCCACCTG.1_7	YUTAU	CD4T 1
## ACTGAGTAGCCACTAT.1_7	YUTAU	TNKT 1
## ACTGAGTAGTGAAGTT.1_7	YUTAU	CD4T 3
## ACTGAGTCAAGGACTG.1_7	YUTAU	CD4T 1
## ACTGAGTCACAGGCCT.1_7	YUTAU	CD8T 1
## ACTGAGTGTACCGGCT.1_7	YUTAU	Mono 3
## ACTGAGTGTCTAGCCG.1_7	YUTAU	Mono 9
## ACTGAGTTCTGCAAGT.1_7	YUTAU	Mono 3
## ACTGATGAGAATTCCC.1_7	YUTAU	Mono 3
## ACTGATGAGAGTAAGG.1_7	YUTAU	CD4T 5
## ACTGATGAGATAGGAG.1_7	YUTAU	Mono 8
## ACTGATGAGCCAACAG.1_7	YUTAU	CD4T 1
## ACTGATGCACAAGCCC.1_7	YUTAU	CD8T 1
## ACTGATGCACAGCCCA.1_7	YUTAU	Mono 7
## ACTGATGCAGGAACGT.1_7	YUTAU	Mono 3
## ACTGATGCAGGACCCT.1_7	YUTAU	NK 3
## ACTGATGGTAATCACC.1_7	YUTAU	CD4T 4
## ACTGATGGTGCCTGGT.1_7	YUTAU	Mono 1
## ACTGATGTCCAAAGTC.1_7	YUTAU	CD4T 1
## ACTGATGTCCGCAAGC.1_7	YUTAU	Mono 7
## ACTGATGTGCGCAAAT.1_7	YUTAU	Mono 2
## ACTGATGTCTCGATGA.1_7	YUTAU	Mono 6
## ACTGCTCAGGCTCAGA.1_7	YUTAU	CD8T 1
## ACTGCTCCACCACCAG.1_7	YUTAU	CD4T 6
## ACTGCTCGTAGAGGAA.1_7	YUTAU	CD4T 4
## ACTGCTCGTGGCCCTA.1_7	YUTAU	NK 3
## ACTGTCCCAATGAATG.1_7	YUTAU	CD8T 1
## ACTGTCCCACAGCCCA.1_7	YUTAU	TNKT 2
## ACTGTCCCACCAACCG.1_7	YUTAU	Mono 8
## ACTGTCCCAGTAGAGC.1_7	YUTAU	CD4T 4
## ACTGTCCCATACGCCG.1_7	YUTAU	CD4T 3
## ACTGTCCGTATAAACG.1_7	YUTAU	NK 1
## ACTGTCCGTCCGCTGA.1_7	YUTAU	Mono 3
## ACTGTCCCTACGAAGG.1_7	YUTAU	Mono 8
## ACTGTCCCTCATGCTCC.1_7	YUTAU	CD4T 3
## ACTGTCCCTCGAATGGG.1_7	YUTAU	B 2
## ACTGTCCCTCTTACGT.1_7	YUTAU	CD4T 7
## ACTTACTAGAGTCTGG.1_7	YUTAU	Mono 7
## ACTTACTAGTACATGA.1_7	YUTAU	Mono 7
## ACTTACTCAAGCCTAT.1_7	YUTAU	CD4T 4
## ACTTACTCAATAGCAA.1_7	YUTAU	Mono 5
## ACTTACTCACGCCAGT.1_7	YUTAU	CD8T 2
## ACTTACTGTAAAGGAG.1_7	YUTAU	Mono 6
## ACTTACTGTCCAAGTT.1_7	YUTAU	TNKT 2
## ACTTACTTCGCGGATC.1_7	YUTAU	CD8T 3
## ACTTACTTCTTAGCCC.1_7	YUTAU	CD4T 6
## ACTTGTTAGCCAGAAC.1_7	YUTAU	Mono 7
## ACTTGTTAGGCATGTG.1_7	YUTAU	B 1
## ACTTGTTAGGTAGCTG.1_7	YUTAU	Mono 3
## ACTTGTTAGTTACGGG.1_7	YUTAU	CD4T 6
## ACTTGTTGTACGAAAT.1_7	YUTAU	CD4T 2

##	ACTTGTTGTCCTAGCG.1_7	YUTAU	CD4T	5
##	ACTTGTTGTGAAGGCT.1_7	YUTAU	Mono	3
##	ACTTTCAAGAGACTTA.1_7	YUTAU	CD4T	5
##	ACTTTCACACTCTGTC.1_7	YUTAU	CD8T	1
##	ACTTTCAGTAGGAGTC.1_7	YUTAU	Mono	2
##	ACTTTCAGTCCAAGTT.1_7	YUTAU	Mono	3
##	AGAATAGCACGAAATA.1_7	YUTAU	Mono	7
##	AGAATAGCACGGATAG.1_7	YUTAU	Mono	5
##	AGAATAGGTATGAAAC.1_7	YUTAU	Mono	7
##	AGAATAGTCAACACGT.1_7	YUTAU	Mono	8
##	AGAATAGTCACCGGGT.1_7	YUTAU	Mono	4
##	AGAATAGTCCGCTGTT.1_7	YUTAU	Mono	7
##	AGACGTTAGAAACCTA.1_7	YUTAU	B	2
##	AGACGTTAGATATACG.1_7	YUTAU	Mono	4
##	AGACGTTAGATCGATA.1_7	YUTAU	CD4T	7
##	AGACGTTAGCCCAGCT.1_7	YUTAU	TNKT	2
##	AGACGTTCAAGTCATC.1_7	YUTAU	CD4T	5
##	AGACGTTCAATGGACG.1_7	YUTAU	B	3
##	AGACGTTGTACCTACA.1_7	YUTAU	TNKT	2
##	AGACGTTGTATATGAG.1_7	YUTAU	CD4T	6
##	AGACGTTGTGAGTGAC.1_7	YUTAU	CD4T	5
##	AGACGTTGTGTGACGA.1_7	YUTAU	Mono	2
##	AGACGTTTCAAACCAC.1_7	YUTAU	Mono	3
##	AGAGCGAAGCTAAGAT.1_7	YUTAU	Mono	3
##	AGAGCGACAGCTGTTA.1_7	YUTAU	B	2
##	AGAGCGATCTGGCGAC.1_7	YUTAU	Mono	1
##	AGAGCTTAGAGGTACC.1_7	YUTAU	Mono	7
##	AGAGCTTAGAGGTTAT.1_7	YUTAU	Mono	2
##	AGAGCTTAGATCCTGT.1_7	YUTAU	Mono	7
##	AGAGCTTCAAACGTGG.1_7	YUTAU	CD8T	1
##	AGAGCTTGTACAGTTC.1_7	YUTAU	NK	1
##	AGAGCTTTCAGAAATG.1_7	YUTAU	Mono	6
##	AGAGCTTTCAGTCCCT.1_7	YUTAU	CD4T	1
##	AGAGCTTTCCTTGGTC.1_7	YUTAU	Mono	5
##	AGAGTGGAGAAGGCCT.1_7	YUTAU	Mono	3
##	AGAGTGGAGATGTAAC.1_7	YUTAU	CD4T	5
##	AGAGTGGCAATGAATG.1_7	YUTAU	Mono	8
##	AGAGTGGCATGAAGTA.1_7	YUTAU	CD4T	1
##	AGAGTGGTCCTTCAAT.1_7	YUTAU	CD4T	2
##	AGATCTGAGCTAAACA.1_7	YUTAU	Mono	3
##	AGATCTGAGCTAGCCC.1_7	YUTAU	Mono	6
##	AGATCTGCACTAAGTC.1_7	YUTAU	Mono	3
##	AGATCTGCACTTCGAA.1_7	YUTAU	DC	1
##	AGATCTGCAGCCTTTC.1_7	YUTAU	B	1
##	AGATCTGTCGTTGACA.1_7	YUTAU	NK	4
##	AGATTGCAGATCCGAG.1_7	YUTAU	Mono	6
##	AGATTGCCAACACCCG.1_7	YUTAU	Mono	9
##	AGATTGCCAAGACACG.1_7	YUTAU	CD4T	5
##	AGATTGCCACAACGTT.1_7	YUTAU	Mono	8
##	AGATTGCCACCACCAG.1_7	YUTAU	Mono	4
##	AGATTGCCACCGAATT.1_7	YUTAU	Mono	9
##	AGATTGCCACGGCTAC.1_7	YUTAU	CD4T	1
##	AGATTGCCAGGATTGG.1_7	YUTAU	Mono	6
##	AGATTGCCATGGTTGT.1_7	YUTAU	Mono	6

## AGATTGCGTACAGACG.1_7	YUTAU	Mono 5
## AGATTGCGTCAGTGGA.1_7	YUTAU	Mono 7
## AGATTGCGTGGCTCCA.1_7	YUTAU	Mono 3
## AGATTGCTCAACACAC.1_7	YUTAU	NK 1
## AGATTGCTCGCGGATC.1_7	YUTAU	CD4T 5
## AGATTGCTCTAGAGTC.1_7	YUTAU	Mono 5
## AGCAGCCAGATCCCGC.1_7	YUTAU	Mono 5
## AGCAGCCAGGCTAGCA.1_7	YUTAU	CD4T 1
## AGCAGCCAGTGTTAGA.1_7	YUTAU	Mono 1
## AGCAGCCAGTTTCCTT.1_7	YUTAU	Mono 3
## AGCAGCCCAATAGAGT.1_7	YUTAU	Mono 7
## AGCAGCCCAGGGTATG.1_7	YUTAU	NK 2
## AGCAGCCCATCCGGGT.1_7	YUTAU	Mono 4
## AGCAGCCCATGCTGGC.1_7	YUTAU	Mono 1
## AGCAGCCGTCCCTACT.1_7	YUTAU	CD4T 3
## AGCAGCCTCAATAAGG.1_7	YUTAU	CD4T 2
## AGCAGCCTCAATACCG.1_7	YUTAU	CD4T 2
## AGCATACCAAATACAG.1_7	YUTAU	B 2
## AGCATACCAGTTCATG.1_7	YUTAU	NK 4
## AGCATACGTGGTGTAG.1_7	YUTAU	Mono 4
## AGCATACGTGTTGGGA.1_7	YUTAU	NK 1
## AGCCTAAAGACCTAGG.1_7	YUTAU	TNKT 1
## AGCCTAAAGGACAGAA.1_7	YUTAU	Mono 4
## AGCCTAAAGGGCTTGA.1_7	YUTAU	Mono 7
## AGCCTAAGTGCAACTT.1_7	YUTAU	CD4T 1
## AGCCTAATCAAGGTAA.1_7	YUTAU	CD4T 5
## AGCCTAATCTGGGCCA.1_7	YUTAU	DC 1
## AGCGGTCCACGGTAAG.1_7	YUTAU	CD4T 1
## AGCGGTCCAGTATAAG.1_7	YUTAU	DC 1
## AGCGGTCTCGCTGTA.1_7	YUTAU	Mono 3
## AGCGGTCTCGTACCGG.1_7	YUTAU	CD8T 1
## AGCGGTCTCTAGAGTC.1_7	YUTAU	Mono 1
## AGCGTATAGAGGGATA.1_7	YUTAU	CD4T 5
## AGCGTATCACAGCGTC.1_7	YUTAU	Mono 5
## AGCGTATCATGGGAAC.1_7	YUTAU	CD4T 5
## AGCGTATGTAGAAAGG.1_7	YUTAU	Mono 3
## AGCGTATGTGATGTCT.1_7	YUTAU	Mono 5
## AGCGTATGTGTGAATA.1_7	YUTAU	CD4T 2
## AGCGTATGTTAGAACA.1_7	YUTAU	CD8T 3
## AGCGTATGTTGTTGG.1_7	YUTAU	Mono 5
## AGCGTATTCGTTGACA.1_7	YUTAU	CD4T 5
## AGCGTATTCTCTTATG.1_7	YUTAU	CD4T 6
## AGCGTCGAGAAACCAT.1_7	YUTAU	CD4T 1
## AGCGTCGAGAGGGATA.1_7	YUTAU	Mono 6
## AGCGTCGCAAGTCTAC.1_7	YUTAU	CD4T 2
## AGCGTCGGTTAAGATG.1_7	YUTAU	Mono 3
## AGCTCCTAGAGTACCG.1_7	YUTAU	CD4T 5
## AGCTCCTAGCCCTAAT.1_7	YUTAU	NK 3
## AGCTCCTAGGGCTTCC.1_7	YUTAU	CD8T 1
## AGCTCCTAGTAATCCC.1_7	YUTAU	CD4T 7
## AGCTCCTAGTACGCGA.1_7	YUTAU	B 1
## AGCTCCTAGTTTAGGA.1_7	YUTAU	Mono 3
## AGCTCCTCACCACCAG.1_7	YUTAU	Mono 1
## AGCTCCTCATTGGCGC.1_7	YUTAU	CD8T 3

## AGCTCCTTCGGCTACG.1_7	YUTAU	Mono 3
## AGCTCTCAGAAGGCCT.1_7	YUTAU	CD4T 5
## AGCTCTCAGAGAACAG.1_7	YUTAU	Mono 9
## AGCTCTCAGCTAGGCA.1_7	YUTAU	Mono 5
## AGCTCTCAGGACACCA.1_7	YUTAU	Mono 7
## AGCTCTCAGTGACTCT.1_7	YUTAU	Mono 5
## AGCTCTCCAGCCTGTG.1_7	YUTAU	Mono 1
## AGCTCTCCATACAGCT.1_7	YUTAU	Mono 5
## AGCTCTCCATCGACGC.1_7	YUTAU	CD4T 1
## AGCTCTCGTAAGAGGA.1_7	YUTAU	CD4T 7
## AGCTCTCGTAAGGATT.1_7	YUTAU	Mono 1
## AGCTCTCGTAGGCATG.1_7	YUTAU	DC 1
## AGCTCTCGTAGGGACT.1_7	YUTAU	Mono 9
## AGCTCTCGTTCCAACA.1_7	YUTAU	NK 4
## AGCTCTCTCAAGGTAA.1_7	YUTAU	CD8T 1
## AGCTCTCTCAGGCCCA.1_7	YUTAU	NK 1
## AGCTCTCTCATCATTC.1_7	YUTAU	CD4T 5
## AGCTCTCTCTGATTCT.1_7	YUTAU	Mono 7
## AGCTCTCTCTGGTATG.1_7	YUTAU	Mono 9
## AGCTTGAAGGGTCGAT.1_7	YUTAU	CD8T 1
## AGCTTGACAGATGGGT.1_7	YUTAU	Mono 1
## AGCTTGACAGGGAGAG.1_7	YUTAU	DC 1
## AGCTTGACAGGTGGAT.1_7	YUTAU	Mono 1
## AGCTTGACATCGGACC.1_7	YUTAU	CD4T 5
## AGCTTGAGTACCGGCT.1_7	YUTAU	DC 1
## AGCTTGAGTCATATGC.1_7	YUTAU	DC 1
## AGCTTGAGTCCATGAT.1_7	YUTAU	CD4T 3
## AGCTTGAGTCCCGACA.1_7	YUTAU	Mono 6
## AGGCCACAGCCCAACC.1_7	YUTAU	Mono 6
## AGGCCACCACCGAAAG.1_7	YUTAU	Mono 8
## AGGCCACCAGACGCAA.1_7	YUTAU	Mono 8
## AGGCCACCAGGGTATG.1_7	YUTAU	Mono 2
## AGGCCACGTCGGCACT.1_7	YUTAU	Mono 7
## AGGCCACGTTAAGTAG.1_7	YUTAU	Mono 3
## AGGCCACGTTCCCGAG.1_7	YUTAU	TNKT 1
## AGGCCACTCCAAGTAC.1_7	YUTAU	B 2
## AGGCCACTCGATCCCT.1_7	YUTAU	Mono 4
## AGGCCGTAGAAGGCCT.1_7	YUTAU	Mono 3
## AGGCCGTCAAACAACA.1_7	YUTAU	Mono 7
## AGGCCGTACCTTGTC.1_7	YUTAU	CD4T 3
## AGGCCGTACGCCAGAA.1_7	YUTAU	Mono 6
## AGGCCGTACGCGTCCA.1_7	YUTAU	CD4T 1
## AGGCCGTCACTGGAGT.1_7	YUTAU	Mono 7
## AGGCCGTATCCAACA.1_7	YUTAU	Mono 4
## AGGCCGTGTCAACATC.1_7	YUTAU	Mono 7
## AGGCCGTTACGCATA.1_7	YUTAU	B 2
## AGGCCGTTCCCTTGTC.1_7	YUTAU	Mono 5
## AGGGAGTAGCGTTAT.1_7	YUTAU	NK 3
## AGGGAGTAGCTAGGCA.1_7	YUTAU	Mono 6
## AGGGAGTACCAGCAC.1_7	YUTAU	CD4T 3
## AGGGAGTCATTTGCTT.1_7	YUTAU	CD8T 1
## AGGGAGTTCAGCGACC.1_7	YUTAU	Mono 3
## AGGGAGTTCAGCTTAG.1_7	YUTAU	Mono 5
## AGGGAGTTCCGTCAAA.1_7	YUTAU	CD8T 1

## AGGGATGAGTGGGCTA.1_7	YUTAU	CD4T 3
## AGGGATGCAGTCACTA.1_7	YUTAU	DC 1
## AGGGATGGTACCGCTG.1_7	YUTAU	CD4T 1
## AGGGATGGTTAAGACA.1_7	YUTAU	NK 3
## AGGGATGTCAACACCA.1_7	YUTAU	Mono 6
## AGGGATGTCAGTTTGG.1_7	YUTAU	CD4T 5
## AGGGATGTCCGCAAGC.1_7	YUTAU	Mono 7
## AGGGATGTGCTAGCG.1_7	YUTAU	Mono 6
## AGGGATGTCTCGCTTG.1_7	YUTAU	Mono 7
## AGGGATGTCTTGCCGT.1_7	YUTAU	Mono 5
## AGGGTGAAGGTGATAT.1_7	YUTAU	CD4T 1
## AGGGTGACAAGTCATC.1_7	YUTAU	Mono 6
## AGGGTGAGTATTCTCT.1_7	YUTAU	DC 1
## AGGGTGATCATGCATG.1_7	YUTAU	NK 1
## AGGTCATAGCTGAAAT.1_7	YUTAU	Mono 6
## AGGTCATAGGTACTCT.1_7	YUTAU	Mono 6
## AGGTCATAGTTACGGG.1_7	YUTAU	Mono 4
## AGGTCATCACAGCCCA.1_7	YUTAU	TNKT 1
## AGGTCATCAGGACCCT.1_7	YUTAU	Mono 4
## AGGTCATCAGGGTACA.1_7	YUTAU	CD8T 2
## AGGTCATCAGTTCCCT.1_7	YUTAU	CD8T 2
## AGGTCATTCAACACTG.1_7	YUTAU	Mono 7
## AGGTCATTACGAAGG.1_7	YUTAU	NK 1
## AGGTCATTCCCAAGAT.1_7	YUTAU	Mono 7
## AGGTCATTCTATGTGG.1_7	YUTAU	NK 1
## AGGTCATTCTGGGCCA.1_7	YUTAU	Mono 6
## AGGTCCGCAGTAGAGC.1_7	YUTAU	Mono 7
## AGGTCCGCATAAGACA.1_7	YUTAU	NK 1
## AGGTCCGGTCAGTGGA.1_7	YUTAU	Mono 8
## AGGTCCGGTTAGTGGG.1_7	YUTAU	CD8T 3
## AGGTCCGGTCTGGTA.1_7	YUTAU	B 1
## AGGTCCGTCTGTCAAG.1_7	YUTAU	Mono 5
## AGTAGTCAGCATCATC.1_7	YUTAU	Mono 5
## AGTAGTCCACAGCCCA.1_7	YUTAU	Mono 6
## AGTAGTCCACCGAATT.1_7	YUTAU	CD8T 1
## AGTAGTCCACCTTGTC.1_7	YUTAU	CD4T 2
## AGTAGTCGTGTCTGAT.1_7	YUTAU	CD4T 5
## AGTAGTCTCATTGCGA.1_7	YUTAU	Mono 4
## AGTCTTTAGGGTGTTG.1_7	YUTAU	Mono 3
## AGTCTTTCACAGCCCA.1_7	YUTAU	NK 3
## AGTCTTTGTCAAAGAT.1_7	YUTAU	Mono 1
## AGTCTTTGTCCATGA.1_7	YUTAU	CD4T 6
## AGTCTTTTCTAACTGG.1_7	YUTAU	Mono 3
## AGTGAGGAGAACAACCT.1_7	YUTAU	CD4T 1
## AGTGAGGAGTGCTGCC.1_7	YUTAU	B 1
## AGTGAGGCAAACGTGG.1_7	YUTAU	Mono 7
## AGTGAGGCACAGACTT.1_7	YUTAU	Mono 3
## AGTGAGGCAGTCTTCC.1_7	YUTAU	Mono 6
## AGTGAGGGTGGTACAG.1_7	YUTAU	Mono 6
## AGTGAGGGTGTGAATA.1_7	YUTAU	NK 1
## AGTGAGGTCAATACCG.1_7	YUTAU	CD4T 6
## AGTGAGGTGATGTCCC.1_7	YUTAU	TNKT 1
## AGTGAGGTGATAGAA.1_7	YUTAU	Mono 5
## AGTGGAAGCTAACAA.1_7	YUTAU	Mono 7

## AGTGGGAGTGATAAAC.1_7	YUTAU	B 1
## AGTGGGAGTGCATCTA.1_7	YUTAU	Mono 5
## AGTGGGATCACATACG.1_7	YUTAU	Mono 7
## AGTGTCAAGGGAA.1_7	YUTAU	CD4T 5
## AGTGTCAATAAACG.1_7	YUTAU	CD4T 3
## AGTGTCAAGCAACAG.1_7	YUTAU	Mono 1
## AGTGTCAAGCGATTGT.1_7	YUTAU	B 1
## AGTGTCAACACTG.1_7	YUTAU	Mono 5
## AGTGTCAACGCGGT.1_7	YUTAU	DC 1
## AGTGTCAAGTAGGAG.1_7	YUTAU	Mono 3
## AGTTGGTAGACCGAT.1_7	YUTAU	Mono 7
## AGTTGGTAGGCGTACA.1_7	YUTAU	B 2
## AGTTGGTAGTACGTAA.1_7	YUTAU	NK 3
## AGTTGGTCAAGCCGTC.1_7	YUTAU	CD4T 1
## AGTTGGTCAACCAACCG.1_7	YUTAU	Mono 2
## AGTTGGTGTGGTAAA.1_7	YUTAU	B 1
## AGTTGGTTCACCCGAG.1_7	YUTAU	CD4T 2
## AGTTGGTTCTCCAACC.1_7	YUTAU	Mono 7
## ATAACGCAGCCACGTC.1_7	YUTAU	CD4T 1
## ATAACGCAGCCCTAAT.1_7	YUTAU	NK 3
## ATAACGCAGTGTGAA.1_7	YUTAU	CD8T 1
## ATAACGCCACCTGGTG.1_7	YUTAU	CD8T 1
## ATAACGCCATGTCGAT.1_7	YUTAU	CD8T 1
## ATAACGCCATTCAGG.1_7	YUTAU	CD4T 3
## ATAACGCGTCTCTTTA.1_7	YUTAU	Mono 9
## ATAACGCGTTTGTGG.1_7	YUTAU	Mono 3
## ATAAGAGAGAACTGTA.1_7	YUTAU	CD4T 4
## ATAAGAGAGCCCTAAT.1_7	YUTAU	Mono 8
## ATAAGAGGTATAGGTA.1_7	YUTAU	Mono 8
## ATAAGAGTCATAACCG.1_7	YUTAU	CD8T 1
## ATAAGAGTCCAGAGGA.1_7	YUTAU	Mono 8
## ATAAGAGTCGGACAAG.1_7	YUTAU	Mono 6
## ATAGACCAGACAATAC.1_7	YUTAU	Mono 3
## ATAGACCAGACCCACC.1_7	YUTAU	NK 4
## ATAGACCAGAGCAATT.1_7	YUTAU	Mono 4
## ATAGACCAGTGGTCCC.1_7	YUTAU	Mono 9
## ATAGACCAGTTAAGTG.1_7	YUTAU	Mono 8
## ATAGACCCAAACCCAT.1_7	YUTAU	NK 1
## ATAGACCCAGCGAACA.1_7	YUTAU	Mono 6
## ATAGACCCATCACCCT.1_7	YUTAU	Mono 9
## ATAGACCCATGGGACA.1_7	YUTAU	Mono 1
## ATAGACCGTGTATGGG.1_7	YUTAU	Mono 2
## ATAGACCTCAAGAAGT.1_7	YUTAU	TNKT 2
## ATAGACCTCCTATGTT.1_7	YUTAU	CD4T 3
## ATCACGAAGACTACAA.1_7	YUTAU	Mono 1
## ATCACGAAGACTTTTCG.1_7	YUTAU	Mono 6
## ATCACGAAGCATGGCA.1_7	YUTAU	B 3
## ATCACGAAGGTAAACT.1_7	YUTAU	Mono 3
## ATCACGAGTCCAGTTA.1_7	YUTAU	Mono 8
## ATCACGAGTGGCTTG.1_7	YUTAU	B 1
## ATCACGAGTTCATGGT.1_7	YUTAU	Mono 7
## ATCACGATCACCACCT.1_7	YUTAU	CD4T 1
## ATCATCTAGAGATGAG.1_7	YUTAU	Mono 5
## ATCATCTAGCCACGCT.1_7	YUTAU	Mono 6

## ATCATCTAGTGAACAT.1_7	YUTAU	Mono 7
## ATCATCTCACATAACC.1_7	YUTAU	CD4T 3
## ATCATCTCACGGTTTA.1_7	YUTAU	Mono 6
## ATCATCTCAGATCGGA.1_7	YUTAU	B 3
## ATCATCTCAGGTGGAT.1_7	YUTAU	Mono 5
## ATCATCTCAGTAACGG.1_7	YUTAU	CD8T 1
## ATCATCTCAGTCGATT.1_7	YUTAU	CD8T 1
## ATCATCTGTGAGGGTT.1_7	YUTAU	Mono 7
## ATCATCTTCAAACAAG.1_7	YUTAU	Mono 9
## ATCATCTTCAACGAAA.1_7	YUTAU	Mono 5
## ATCATCTTACGGTTA.1_7	YUTAU	Mono 7
## ATCATGGAGACATAAC.1_7	YUTAU	Mono 5
## ATCATGGAGGGAAACA.1_7	YUTAU	Mono 9
## ATCATGGCACAGACAG.1_7	YUTAU	CD8T 2
## ATCATGGCAGCTTCGG.1_7	YUTAU	Mono 6
## ATCATGGGTACAGAA.1_7	YUTAU	TNKT 2
## ATCATGGTCACCGGGT.1_7	YUTAU	CD8T 1
## ATCCACCAGTTAGCGG.1_7	YUTAU	Mono 4
## ATCCACCCACCCTATC.1_7	YUTAU	Mono 4
## ATCCACCCAGGACCCT.1_7	YUTAU	CD4T 7
## ATCCACCCATGTTCCC.1_7	YUTAU	Mono 1
## ATCCACCTCTTGTCAT.1_7	YUTAU	TNKT 1
## ATCCGAAAGAGACTAT.1_7	YUTAU	Mono 9
## ATCCGAAAGAGGTAGA.1_7	YUTAU	CD4T 1
## ATCCGAAAGGACATTA.1_7	YUTAU	Mono 3
## ATCCGAAAGTACGCGA.1_7	YUTAU	CD4T 3
## ATCCGAACACAGGAGT.1_7	YUTAU	Mono 6
## ATCCGAACACTCGACG.1_7	YUTAU	Mono 8
## ATCCGAACATACTCTT.1_7	YUTAU	Mono 7
## ATCCGAAGTACAGCAG.1_7	YUTAU	CD4T 6
## ATCCGAAGTTTAGGAA.1_7	YUTAU	CD4T 2
## ATCCGAATCGAGAACG.1_7	YUTAU	NK 3
## ATCCGAATCTGTCTAT.1_7	YUTAU	CD4T 2
## ATCCGAATCTTTAGGG.1_7	YUTAU	Mono 4
## ATCGAGTAGCGATCCC.1_7	YUTAU	Mono 8
## ATCGAGTAGCTCCTTC.1_7	YUTAU	NK 1
## ATCGAGTAGTTTCCTT.1_7	YUTAU	DC 1
## ATCGAGTCACACGCTG.1_7	YUTAU	Mono 6
## ATCGAGTCACTGCCAG.1_7	YUTAU	TNKT 2
## ATCGAGTCAGTATAAG.1_7	YUTAU	Mono 6
## ATCGAGTGACAGTTC.1_7	YUTAU	CD8T 2
## ATCGAGTTCACAACGT.1_7	YUTAU	Mono 1
## ATCGAGTTCATCTGCC.1_7	YUTAU	CD4T 5
## ATCGAGTTCTGCTGTC.1_7	YUTAU	NK 2
## ATCTACTAGAGAACAG.1_7	YUTAU	B 1
## ATCTACTAGGACAGAA.1_7	YUTAU	CD4T 4
## ATCTACTCAAGGTTCT.1_7	YUTAU	Mono 7
## ATCTACTCACGGTAAG.1_7	YUTAU	CD4T 1
## ATCTACTCATCGACGC.1_7	YUTAU	B 1
## ATCTACTGTACCCAAT.1_7	YUTAU	TNKT 1
## ATCTACTGTTGCTCTC.1_7	YUTAU	Mono 3
## ATCTACTTCACGAAGG.1_7	YUTAU	Mono 6
## ATCTACTTCGCCGTGA.1_7	YUTAU	B 2
## ATCTGCCAGCGATCCC.1_7	YUTAU	NK 1

## ATCTGCCAGGGCTTGA.1_7	YUTAU	CD4T 3
## ATCTGCCCATCCCATC.1_7	YUTAU	TNKT 1
## ATGAGGGAGGCGACAT.1_7	YUTAU	Mono 4
## ATGAGGGAGTGAATTG.1_7	YUTAU	CD8T 1
## ATGAGGGCAAGAGTCG.1_7	YUTAU	Mono 3
## ATGAGGGGTCTCTCTG.1_7	YUTAU	CD4T 3
## ATGAGGGGTGACCAAG.1_7	YUTAU	B 1
## ATGAGGGGTGCAGACA.1_7	YUTAU	Mono 5
## ATGAGGGTCATCGATG.1_7	YUTAU	CD8T 1
## ATGAGGGTCCAAATGC.1_7	YUTAU	Mono 5
## ATGAGGGTCTGGCGAC.1_7	YUTAU	Mono 1
## ATGCGATAGAGGTTGC.1_7	YUTAU	DC 1
## ATGCGATAGCTAGCCC.1_7	YUTAU	TNKT 1
## ATGCGATAGGCACATG.1_7	YUTAU	TNKT 2
## ATGCGATAGGTAGCTG.1_7	YUTAU	CD4T 5
## ATGCGATAGTAGGTGC.1_7	YUTAU	CD4T 5
## ATGCGATCAATAAGCA.1_7	YUTAU	NK 1
## ATGCGATCACCCAGTG.1_7	YUTAU	Mono 8
## ATGCGATGTACAAGTA.1_7	YUTAU	CD8T 1
## ATGCGATGTGTTTCGAT.1_7	YUTAU	CD4T 3
## ATGGGAGAGTGGCGATG.1_7	YUTAU	Mono 8
## ATGGGAGCAACCGCCA.1_7	YUTAU	DC 1
## ATGGGAGGTAACGCGA.1_7	YUTAU	Mono 9
## ATGGGAGGTTTAGCTG.1_7	YUTAU	Mono 7
## ATGGGAGTCAGAGCTT.1_7	YUTAU	CD8T 2
## ATGGGAGTCCTAGTGA.1_7	YUTAU	Mono 6
## ATGGGAGTCCTTCAAT.1_7	YUTAU	Mono 3
## ATGGGAGTCCTTGACC.1_7	YUTAU	Mono 4
## ATGGGAGTCTCCAGGG.1_7	YUTAU	CD8T 1
## ATGTGTGAGCTGCAAG.1_7	YUTAU	TNKT 1
## ATGTGTGGTAAGAGGA.1_7	YUTAU	Mono 7
## ATGTGTGGTTAAGTAG.1_7	YUTAU	Mono 9
## ATGTGTGGTTCCTCCA.1_7	YUTAU	DC 1
## ATGTGTGGTTCTGAAC.1_7	YUTAU	CD4T 5
## ATGTGTGTCGGTGTTA.1_7	YUTAU	CD4T 1
## ATTACTCAGCCAGTTT.1_7	YUTAU	Mono 7
## ATTACTCAGGCCCTCA.1_7	YUTAU	DC 1
## ATTACTCAGTAGGCCA.1_7	YUTAU	TNKT 2
## ATTACTCCAGCCTGTG.1_7	YUTAU	CD4T 1
## ATTACTCGTCCGCTGA.1_7	YUTAU	CD4T 1
## ATTACTCGTGTTGAGG.1_7	YUTAU	Mono 5
## ATTACTCTCACAGGCC.1_7	YUTAU	CD4T 2
## ATTACTCTCTATCGCC.1_7	YUTAU	CD4T 5
## ATTACTCTCTGGAGCC.1_7	YUTAU	NK 1
## ATTATCCAGGACTGGT.1_7	YUTAU	Mono 7
## ATTATCCAGTTACGGG.1_7	YUTAU	Mono 3
## ATTATCCCAAGAAAGG.1_7	YUTAU	B 1
## ATTATCCCACACAGAG.1_7	YUTAU	Mono 7
## ATTATCCGTAAGGGCT.1_7	YUTAU	Mono 5
## ATTATCCGTCTCATCC.1_7	YUTAU	CD8T 1
## ATTATCCGTTGAGGTG.1_7	YUTAU	Mono 6
## ATTATCCTCCACGAAT.1_7	YUTAU	Mono 6
## ATTCTACAGCAAATCA.1_7	YUTAU	Mono 1
## ATTCTACAGCGCTTAT.1_7	YUTAU	Mono 7

## ATTCTACCACCATCCT.1_7	YUTAU	Mono 4
## ATTCTACCACGGCTAC.1_7	YUTAU	B 2
## ATTCTACGTAGCGATG.1_7	YUTAU	B 1
## ATTCTACTCCAGAAGG.1_7	YUTAU	Mono 3
## ATTGGACAGAGACTTA.1_7	YUTAU	B 1
## ATTGGACAGCGATATA.1_7	YUTAU	DC 1
## ATTGGACAGTGGTAAT.1_7	YUTAU	Mono 4
## ATTGGACCAGTAACGG.1_7	YUTAU	Mono 3
## ATTGGACCATGGGACA.1_7	YUTAU	B 2
## ATTGGACGTATAATGG.1_7	YUTAU	CD8T 1
## ATTGGACTCACTGGGC.1_7	YUTAU	CD4T 7
## ATTGGACTCCTCGCAT.1_7	YUTAU	Mono 5
## ATTGGTGAGACTAGGC.1_7	YUTAU	Mono 7
## ATTGGTGAGGCGCTCT.1_7	YUTAU	CD4T 5
## ATTGGTGAGGCGTACA.1_7	YUTAU	CD4T 3
## ATTGGTGAGATGGGT.1_7	YUTAU	Mono 6
## ATTGGTGGTACCCAAT.1_7	YUTAU	CD4T 1
## ATTGGTGGTAGCCTAT.1_7	YUTAU	Mono 3
## ATTGGTGGTCTTGTC.1_7	YUTAU	Mono 7
## ATTGGTGTCAAACGGG.1_7	YUTAU	Mono 8
## ATTGGTGTACAGGCC.1_7	YUTAU	CD4T 5
## ATTGGTGTCCGCTGTT.1_7	YUTAU	Mono 1
## ATTTCTGAGAATCTCC.1_7	YUTAU	Mono 2
## ATTTCTGAGGACATTA.1_7	YUTAU	B 1
## ATTTCTGCAAGCTGAG.1_7	YUTAU	Mono 6
## ATTTCTGCAGGGTACA.1_7	YUTAU	NK 4
## ATTTCTGCAGTTCCT.1_7	YUTAU	Mono 7
## ATTTCTGGTGTGACGA.1_7	YUTAU	Mono 5
## ATTTCTGTACCAGGC.1_7	YUTAU	Mono 7
## ATTTCTGTCCCTGACT.1_7	YUTAU	CD8T 1
## CAACCAAAGCGATATA.1_7	YUTAU	Mono 7
## CAACCAACAATGGAGC.1_7	YUTAU	CD4T 1
## CAACCAACAGACGTAG.1_7	YUTAU	DC 1
## CAACCAACAGTCACTA.1_7	YUTAU	NK 1
## CAACCAACATCGGGTC.1_7	YUTAU	DC 1
## CAACCAAGTACCGGCT.1_7	YUTAU	Mono 3
## CAACCAATCACTTATC.1_7	YUTAU	Mono 7
## CAACCTCAGACAGACC.1_7	YUTAU	Mono 7
## CAACCTCAGACTTGAA.1_7	YUTAU	Mono 4
## CAACCTCAGCCCTAAT.1_7	YUTAU	TNKT 1
## CAACCTCCACGGCCAT.1_7	YUTAU	CD4T 7
## CAACCTCCAGCTCCGA.1_7	YUTAU	CD4T 4
## CAACCTCGTAAGAGAG.1_7	YUTAU	CD4T 1
## CAACCTCTCAGCTCTC.1_7	YUTAU	Mono 2
## CAACCTCTCTTTGAT.1_7	YUTAU	CD4T 5
## CAACTAGAGAAGCCCA.1_7	YUTAU	CD4T 3
## CAACTAGCACGCATCG.1_7	YUTAU	Mono 1
## CAACTAGCAGGAATGC.1_7	YUTAU	Mono 6
## CAACTAGGTTAGTGGG.1_7	YUTAU	CD8T 2
## CAACTAGTCGAGAGCA.1_7	YUTAU	CD4T 1
## CAACTAGTCTCCCTGA.1_7	YUTAU	NK 1
## CAACTAGTCTGAAAGA.1_7	YUTAU	B 1
## CAAGAAACACAGAGGT.1_7	YUTAU	Mono 8
## CAAGAAACACGGCTAC.1_7	YUTAU	Mono 7

## CAAGAAAGTACACCGC.1_7	YUTAU	Mono 7
## CAAGAAAGTCTGCCAG.1_7	YUTAU	CD4T 1
## CAAGAAATCAGTCCCT.1_7	YUTAU	TNKT 2
## CAAGAAATCCTCCTAG.1_7	YUTAU	Mono 4
## CAAGAAATCGATCCCT.1_7	YUTAU	Mono 3
## CAAGATCAGACCTAGG.1_7	YUTAU	TNKT 2
## CAAGATCAGAGACGAA.1_7	YUTAU	Mono 7
## CAAGATCCAATCACAC.1_7	YUTAU	B 2
## CAAGATCCAGATGAGC.1_7	YUTAU	CD8T 1
## CAAGATCGTGCAACTT.1_7	YUTAU	CD8T 3
## CAAGATCTCACGCGGT.1_7	YUTAU	Mono 3
## CAAGGCCAGTTGTAGA.1_7	YUTAU	CD4T 5
## CAAGGCCCAATCCAAC.1_7	YUTAU	NK 1
## CAAGGCCGTGGAAAGA.1_7	YUTAU	Mono 3
## CAAGGCCGTGGCCCTA.1_7	YUTAU	B 2
## CAAGGCCTCAACGGGA.1_7	YUTAU	CD8T 2
## CAAGGCCTCCATGAGT.1_7	YUTAU	CD8T 1
## CAAGGCCTCGTTACAG.1_7	YUTAU	B 1
## CAAGGCCTCTACGAGT.1_7	YUTAU	Mono 4
## CAAGTTGAGATATGGT.1_7	YUTAU	CD4T 2
## CAAGTTGCAAAGTGCG.1_7	YUTAU	CD4T 4
## CAAGTTGCAAGAAGAG.1_7	YUTAU	Mono 2
## CAAGTTGCAATGCCAT.1_7	YUTAU	CD4T 1
## CAAGTTGCACAACGCC.1_7	YUTAU	CD4T 5
## CAAGTTGCACACATGT.1_7	YUTAU	Mono 2
## CAAGTTGCACTGAAGG.1_7	YUTAU	B 2
## CAAGTTGCAGGGATTG.1_7	YUTAU	Mono 9
## CAAGTTGCATTATCTC.1_7	YUTAU	CD4T 1
## CAAGTTGGTGGAAAGA.1_7	YUTAU	Mono 7
## CAAGTTGGTGGTAACG.1_7	YUTAU	TNKT 1
## CAAGTTGGTTCCTCCA.1_7	YUTAU	Mono 6
## CAAGTTGTCACCCGAG.1_7	YUTAU	Mono 3
## CACAAACAGCCAACAG.1_7	YUTAU	Mono 8
## CACAAACAGCCCTAAT.1_7	YUTAU	B 2
## CACAAACAGCGTAATA.1_7	YUTAU	Mono 8
## CACAAACAGTGGGCTA.1_7	YUTAU	CD4T 2
## CACAAACCACGCGAAA.1_7	YUTAU	Mono 3
## CACAAACCATCGGAAG.1_7	YUTAU	CD8T 1
## CACAAACTCCTGCAGG.1_7	YUTAU	Mono 1
## CACACAAAGATCCCGC.1_7	YUTAU	Mono 2
## CACACAACAAGAAAGG.1_7	YUTAU	TNKT 1
## CACACAACAATCACAC.1_7	YUTAU	Mono 6
## CACACAACACGTAAGG.1_7	YUTAU	Mono 5
## CACACAATCGGACAAG.1_7	YUTAU	CD4T 4
## CACACAATCTGATTCT.1_7	YUTAU	CD4T 5
## CACACCTAGCCCTAAT.1_7	YUTAU	NK 2
## CACACCTAGTTACGGG.1_7	YUTAU	B 4
## CACACCTCAAGCGCTC.1_7	YUTAU	Mono 3
## CACACCTCAAGGACTG.1_7	YUTAU	Mono 4
## CACACCTCACAACGCC.1_7	YUTAU	Mono 1
## CACACCTCAGCCAGAA.1_7	YUTAU	CD4T 2
## CACACCTGTCAGAAGC.1_7	YUTAU	CD4T 5
## CACACCTGTCCGAGTC.1_7	YUTAU	Mono 7
## CACACCTGTCCCTTG.1_7	YUTAU	CD4T 7

## CACACCTTCTTTAGGG.1_7	YUTAU	CD4T 5
## CACACTCAGAGACTAT.1_7	YUTAU	NK 2
## CACACTCGTCCATCCT.1_7	YUTAU	CD4T 5
## CACACTCGTCCATGAT.1_7	YUTAU	CD4T 5
## CACACTCGTGCATCTA.1_7	YUTAU	Mono 7
## CACACTCGTGGGTATG.1_7	YUTAU	B 2
## CACACTCGTGTATGGG.1_7	YUTAU	NK 2
## CACACTCGTTCCCGAG.1_7	YUTAU	CD4T 7
## CACAGGCAGACAGACC.1_7	YUTAU	Mono 6
## CACAGGCAGCCCAATT.1_7	YUTAU	Mono 4
## CACAGGCAGCCCTAAT.1_7	YUTAU	Mono 8
## CACAGGCAGGCTCAGA.1_7	YUTAU	DC 1
## CACAGGCAGTACATGA.1_7	YUTAU	CD8T 1
## CACAGGCCACCAACCG.1_7	YUTAU	CD4T 1
## CACAGGCGTCCTAGCG.1_7	YUTAU	TNKT 2
## CACAGGCGTCGAGATG.1_7	YUTAU	CD8T 2
## CACAGGCTCCTTAATC.1_7	YUTAU	Mono 6
## CACAGGCTCCTTGGTC.1_7	YUTAU	CD4T 1
## CACAGTAAGAAACGCC.1_7	YUTAU	NK 2
## CACAGTAGTGGGTATG.1_7	YUTAU	Mono 8
## CACAGTAGTTTGCATG.1_7	YUTAU	Mono 6
## CACAGTATCACGATGT.1_7	YUTAU	CD4T 5
## CACAGTATCCCTAACC.1_7	YUTAU	NK 3
## CACAGTATCGAGAACG.1_7	YUTAU	DC 1
## CACATAGAGCCAACAG.1_7	YUTAU	Mono 9
## CACATAGCACCTATC.1_7	YUTAU	CD8T 1
## CACATAGGTGCACTTA.1_7	YUTAU	CD4T 1
## CACATAGGTGCTAGCC.1_7	YUTAU	Mono 1
## CACATAGTCTGATACG.1_7	YUTAU	B 1
## CACATTTAGATATGGT.1_7	YUTAU	Mono 6
## CACATTTAGCCACGCT.1_7	YUTAU	Mono 5
## CACATTTGTTGAGGCC.1_7	YUTAU	Mono 7
## CACATTTGTTCCGTCT.1_7	YUTAU	Mono 3
## CACATTTGTTGGGACA.1_7	YUTAU	CD8T 1
## CACATTTTCGATCCCT.1_7	YUTAU	Mono 7
## CACCACTAGGGAACGG.1_7	YUTAU	CD4T 5
## CACCACTCAATGGATA.1_7	YUTAU	DC 1
## CACCACTGTCCTGCTT.1_7	YUTAU	CD8T 2
## CACCACTGTGAGGGTT.1_7	YUTAU	NK 1
## CACCACTTCGAGAGCA.1_7	YUTAU	CD8T 1
## CACCACTTCGTTTGCC.1_7	YUTAU	Mono 3
## CACCAGGAGACTAAGT.1_7	YUTAU	Mono 9
## CACCAGGAGCCACGCT.1_7	YUTAU	Mono 7
## CACCAGGAGGGTTCCC.1_7	YUTAU	CD8T 1
## CACCAGGCACACCGAC.1_7	YUTAU	CD8T 1
## CACCAGGCACCCTATC.1_7	YUTAU	TNKT 1
## CACCAGGCATAAGACA.1_7	YUTAU	CD4T 6
## CACCAGGCATACGCCG.1_7	YUTAU	DC 1
## CACCTTGAGAGTACCG.1_7	YUTAU	DC 1
## CACCTTGAGCAGCGTA.1_7	YUTAU	Mono 7
## CACCTTGAGGGAAACA.1_7	YUTAU	Mono 8
## CACCTTGAGGGCTCTC.1_7	YUTAU	Mono 4
## CACCTTGAGTGGGATC.1_7	YUTAU	CD4T 5
## CACCTTGCACTAAGTC.1_7	YUTAU	Mono 9

## CACCTTGCATGCAACT.1_7	YUTAU	CD4T 1
## CACCTTGCATTAGGCT.1_7	YUTAU	Mono 6
## CACCTTGGTAGGACAC.1_7	YUTAU	CD4T 3
## CACCTTGGTGCAGGTA.1_7	YUTAU	Mono 3
## CACTCCAAGACGCAAC.1_7	YUTAU	Mono 6
## CACTCCAAGCTAACAA.1_7	YUTAU	Mono 3
## CACTCCAAGTACGTAA.1_7	YUTAU	NK 1
## CACTCCACAATGAATG.1_7	YUTAU	CD4T 6
## CACTCCACATTACGAC.1_7	YUTAU	Mono 2
## CACTCCAGTCTCTTTA.1_7	YUTAU	DC 1
## CACTCCAGTGATGTCT.1_7	YUTAU	DC 1
## CACTCCAGTGTAATGA.1_7	YUTAU	Mono 3
## CACTCCAGTTCCCGAG.1_7	YUTAU	Mono 6
## CACTCCATCTGTACGA.1_7	YUTAU	CD8T 3
## CAGAATCAGACAAAGG.1_7	YUTAU	CD4T 6
## CAGAATCAGACTTGAA.1_7	YUTAU	CD4T 1
## CAGAATCAGATGCCAG.1_7	YUTAU	Mono 3
## CAGAATCAGTACGATA.1_7	YUTAU	Mono 3
## CAGAATCCACCCATTC.1_7	YUTAU	CD4T 7
## CAGAATCCACGGTGTC.1_7	YUTAU	Mono 3
## CAGAATCGTAAGGATT.1_7	YUTAU	Mono 3
## CAGAATCGTATATGAG.1_7	YUTAU	CD4T 3
## CAGAATCGTGTGGCTC.1_7	YUTAU	CD4T 5
## CAGAATCGTGTGGGA.1_7	YUTAU	Mono 7
## CAGAATCGTTCCTCCA.1_7	YUTAU	Mono 2
## CAGAATCTCATGCATG.1_7	YUTAU	DC 1
## CAGAATCTCCTGTACC.1_7	YUTAU	Mono 5
## CAGAATCTCGGTGTCTG.1_7	YUTAU	Mono 3
## CAGAGAGCATTCGACA.1_7	YUTAU	CD4T 1
## CAGAGAGGTAGGGACT.1_7	YUTAU	Mono 6
## CAGAGAGTCTAACGGT.1_7	YUTAU	Mono 7
## CAGATCAAGAGACGAA.1_7	YUTAU	B 1
## CAGATCAAGAGATGAG.1_7	YUTAU	Mono 6
## CAGATCAAGGGAAACA.1_7	YUTAU	TNKT 1
## CAGATCACAATAGAGT.1_7	YUTAU	B 2
## CAGATCACACATCCAA.1_7	YUTAU	Mono 4
## CAGATCACACCCTATC.1_7	YUTAU	TNKT 1
## CAGATCACACTGTTAG.1_7	YUTAU	CD4T 3
## CAGATCACAGGACCCT.1_7	YUTAU	Mono 8
## CAGATCACAGTACACT.1_7	YUTAU	B 1
## CAGATCACATCACCCT.1_7	YUTAU	NK 2
## CAGATCACATCCCACT.1_7	YUTAU	Mono 2
## CAGATCACATGAAGTA.1_7	YUTAU	CD4T 1
## CAGATCAGTACGCTGC.1_7	YUTAU	Mono 3
## CAGATCAGTCGCATAT.1_7	YUTAU	B 1
## CAGATCATCAGATAAG.1_7	YUTAU	CD4T 1
## CAGATCATCGGAATCT.1_7	YUTAU	Mono 1
## CAGATCATCTATCGCC.1_7	YUTAU	CD8T 1
## CAGCAGCAGACAGGCT.1_7	YUTAU	CD4T 1
## CAGCAGCAGCCCAACC.1_7	YUTAU	TNKT 1
## CAGCAGCAGTACGCCC.1_7	YUTAU	CD4T 5
## CAGCAGCAGTCAAGCG.1_7	YUTAU	CD4T 6
## CAGCAGCCAATCCGAT.1_7	YUTAU	TNKT 2
## CAGCAGCCAGGAATCG.1_7	YUTAU	Mono 3

## CAGCAGCGTAGCAAAT.1_7	YUTAU	NK 4
## CAGCAGCGTTCCTTG.1_7	YUTAU	TNKT 1
## CAGCAGCGTTGGGACA.1_7	YUTAU	Mono 7
## CAGCAGCTCTGTCAAG.1_7	YUTAU	CD4T 2
## CAGCATAAGACATAAC.1_7	YUTAU	NK 4
## CAGCATAAGCAGACTG.1_7	YUTAU	Mono 6
## CAGCATAAGCCCTAAT.1_7	YUTAU	Mono 4
## CAGCATAAGGAATTAC.1_7	YUTAU	CD4T 2
## CAGCATAAGGGAACGG.1_7	YUTAU	Mono 4
## CAGCATAACCGATAT.1_7	YUTAU	Mono 5
## CAGCATAACCTCGTT.1_7	YUTAU	NK 1
## CAGCATAACAGCTCGC.1_7	YUTAU	B 2
## CAGCATAACAGGTACA.1_7	YUTAU	Mono 6
## CAGCATAACAGTGGGAT.1_7	YUTAU	CD4T 6
## CAGCATAGTCTAACGT.1_7	YUTAU	Mono 1
## CAGCATAGTGCGAAAC.1_7	YUTAU	CD4T 5
## CAGCATATCAACGGCC.1_7	YUTAU	CD8T 1
## CAGCATATCCACGACG.1_7	YUTAU	NK 4
## CAGCATATCCGCATAA.1_7	YUTAU	CD4T 2
## CAGCATATCCTTGACC.1_7	YUTAU	Mono 7
## CAGCCGAAGTGAATTG.1_7	YUTAU	B 1
## CAGCCGACAAGTACCT.1_7	YUTAU	Mono 8
## CAGCCGACACCTATC.1_7	YUTAU	TNKT 1
## CAGCCGAGTAGTAGTA.1_7	YUTAU	B 1
## CAGCCGAGTCCGAATT.1_7	YUTAU	Mono 7
## CAGCCGAGTGGTAACG.1_7	YUTAU	Mono 7
## CAGCCGATCCTAGTGA.1_7	YUTAU	DC 1
## CAGCGACAGACGCACA.1_7	YUTAU	DC 1
## CAGCGACAGAGGTTGC.1_7	YUTAU	Mono 7
## CAGCGACAGATCTGCT.1_7	YUTAU	TNKT 2
## CAGCGACAGGCGATAC.1_7	YUTAU	Mono 7
## CAGCGACCAATCCAAC.1_7	YUTAU	B 1
## CAGCGACGTTTGGGCC.1_7	YUTAU	Mono 3
## CAGCGACTCTCACATT.1_7	YUTAU	CD4T 6
## CAGCGACTCTGGTGTA.1_7	YUTAU	Mono 9
## CAGCTAAAGCCCAACC.1_7	YUTAU	Mono 6
## CAGCTAAAGGCCCTCA.1_7	YUTAU	CD8T 1
## CAGCTAACACGGTAAG.1_7	YUTAU	CD4T 3
## CAGCTAACAGATGAGC.1_7	YUTAU	Mono 2
## CAGCTAACAGGAACGT.1_7	YUTAU	Mono 3
## CAGCTAAGTAGAAAGG.1_7	YUTAU	Mono 2
## CAGCTAATCAACTCTT.1_7	YUTAU	Mono 3
## CAGCTGGAGACTGTAA.1_7	YUTAU	CD4T 1
## CAGCTGGAGATCCCGC.1_7	YUTAU	CD8T 1
## CAGCTGGCAATCTGCA.1_7	YUTAU	Mono 4
## CAGCTGGCAGTATAAG.1_7	YUTAU	Mono 7
## CAGCTGGCATTCTCAT.1_7	YUTAU	Mono 9
## CAGCTGGGTACAGCAG.1_7	YUTAU	Mono 9
## CAGCTGGGTAGGAGTC.1_7	YUTAU	Mono 6
## CAGCTGGGTGCATCTA.1_7	YUTAU	Mono 1
## CAGCTGGTCCTCGCAT.1_7	YUTAU	Mono 7
## CAGCTGGTCTAACTGG.1_7	YUTAU	Mono 3
## CAGCTGGTCTTAGCCC.1_7	YUTAU	NK 2
## CAGGTGCCATACTACG.1_7	YUTAU	Mono 7

## CAGGTGCGTCCAAGTT.1_7	YUTAU	Mono 3
## CAGGTGCGTCCCTACT.1_7	YUTAU	CD4T 7
## CAGGTGCTCTCAAACG.1_7	YUTAU	CD4T 1
## CAGGTGCTCTTCGGTC.1_7	YUTAU	Mono 3
## CAGTAACAGCCCAATT.1_7	YUTAU	CD4T 7
## CAGTAACAGGGCTTGA.1_7	YUTAU	CD4T 4
## CAGTAACCAACACCTA.1_7	YUTAU	NK 3
## CAGTAACCAGGCTCAC.1_7	YUTAU	CD4T 6
## CAGTAACCATCACAAC.1_7	YUTAU	CD4T 5
## CAGTAACCATGGGACA.1_7	YUTAU	Mono 4
## CAGTAACGTAAGCACG.1_7	YUTAU	CD4T 1
## CAGTAACGTCTTGCGG.1_7	YUTAU	Mono 6
## CAGTAACGTGAAAGAG.1_7	YUTAU	Mono 2
## CAGTAACTCCATTCTA.1_7	YUTAU	Mono 3
## CAGTCCTAGAAACCGC.1_7	YUTAU	B 1
## CAGTCCTAGCGGATCA.1_7	YUTAU	B 1
## CAGTCCTCACAGCGTC.1_7	YUTAU	CD4T 5
## CAGTCCTCACCCAGTG.1_7	YUTAU	Mono 7
## CAGTCCTCATGGATGG.1_7	YUTAU	Mono 6
## CAGTCCTGTATAATGG.1_7	YUTAU	CD4T 1
## CAGTCCTGTCAGTGG.1_7	YUTAU	CD4T 7
## CAGTCCTTCGCAGGCT.1_7	YUTAU	B 4
## CATATGGAGACAGACC.1_7	YUTAU	Mono 2
## CATATGGAGTAACCCT.1_7	YUTAU	Mono 6
## CATATGGCAAATACAG.1_7	YUTAU	TNKT 1
## CATATGGCACATGGGA.1_7	YUTAU	Mono 6
## CATATGGTCACGCGGT.1_7	YUTAU	B 1
## CATATTCGTAGCGATG.1_7	YUTAU	Mono 9
## CATATTCGTACCCAG.1_7	YUTAU	Mono 6
## CATATTCGTACAGGT.1_7	YUTAU	B 2
## CATATTCGTGATGTCT.1_7	YUTAU	Mono 5
## CATATTCCTCAGTAGT.1_7	YUTAU	CD4T 5
## CATATTCCTCGCAAGC.1_7	YUTAU	CD4T 1
## CATATTCCTGTACGA.1_7	YUTAU	Mono 2
## CATCAAGAGATCGATA.1_7	YUTAU	B 2
## CATCAAGCAACTGCTA.1_7	YUTAU	CD4T 5
## CATCAAGCACATTAGC.1_7	YUTAU	CD4T 5
## CATCAAGCACCCATC.1_7	YUTAU	Mono 8
## CATCAAGCATCCCATC.1_7	YUTAU	Mono 4
## CATCAAGGTAATCACC.1_7	YUTAU	Mono 7
## CATCAAGGTCCTCTTG.1_7	YUTAU	Mono 7
## CATCAAGTCAACCAAC.1_7	YUTAU	NK 1
## CATCAAGTCCCTGACT.1_7	YUTAU	CD8T 2
## CATCAAGTCGGTTAAC.1_7	YUTAU	Mono 3
## CATCAAGTCTTCTGGC.1_7	YUTAU	CD8T 2
## CATCAGAAGACTAGAT.1_7	YUTAU	CD4T 2
## CATCAGAAGGGAAACA.1_7	YUTAU	CD4T 3
## CATCAGACACAGTCGC.1_7	YUTAU	Mono 6
## CATCAGACAGATGAGC.1_7	YUTAU	Mono 1
## CATCAGACAGTATCTG.1_7	YUTAU	Mono 8
## CATCAGAGTTGGAGGT.1_7	YUTAU	TNKT 1
## CATCAGATCACGACTA.1_7	YUTAU	Mono 7
## CATCAGATCCTCAACC.1_7	YUTAU	B 2
## CATCCACAGAAACGAG.1_7	YUTAU	DC 1

## CATCCACCAACCGCCA.1_7	YUTAU	CD4T 3
## CATCCACCAAGGGTCA.1_7	YUTAU	DC 1
## CATCCACCACATAACC.1_7	YUTAU	CD4T 6
## CATCCACCAGGTCTCG.1_7	YUTAU	CD4T 2
## CATCCACGTTAGTGGG.1_7	YUTAU	CD8T 1
## CATCCACTCGCCTGTT.1_7	YUTAU	Mono 7
## CATCCACTCGGCTACG.1_7	YUTAU	Mono 7
## CATCGAAAGGAGTAGA.1_7	YUTAU	Mono 8
## CATCGAACAGGAATCG.1_7	YUTAU	CD4T 2
## CATCGGGCACTGTGTA.1_7	YUTAU	DC 1
## CATCGGGCATCACGAT.1_7	YUTAU	Mono 9
## CATCGGGCATGCCGA.1_7	YUTAU	CD4T 4
## CATCGGGGTATAGTAG.1_7	YUTAU	CD4T 4
## CATCGGGGTGGTAAA.1_7	YUTAU	CD8T 1
## CATCGGGTCTGAGTGT.1_7	YUTAU	CD4T 7
## CATGACAAGATCTGCT.1_7	YUTAU	Mono 3
## CATGACACAGAAGCAC.1_7	YUTAU	CD8T 1
## CATGACAGTCAAAGAT.1_7	YUTAU	Mono 7
## CATGACAGTGCTTCTC.1_7	YUTAU	CD4T 3
## CATGACAGTTCCTCCA.1_7	YUTAU	Mono 5
## CATGACATCAGGTAAA.1_7	YUTAU	DC 1
## CATGACATCATCATTC.1_7	YUTAU	CD4T 4
## CATGACATCTTCGAGA.1_7	YUTAU	CD4T 4
## CATGCCTAGATCCGAG.1_7	YUTAU	TNKT 2
## CATGCCTAGCCACGTC.1_7	YUTAU	B 2
## CATGCCTAGCTCCTCT.1_7	YUTAU	Mono 7
## CATGCCTAGTCCATAC.1_7	YUTAU	CD4T 2
## CATGCCTCACAGTCGC.1_7	YUTAU	B 2
## CATGCCTCAGCTGCTG.1_7	YUTAU	CD8T 1
## CATGCCTGTCCAGTGC.1_7	YUTAU	Mono 1
## CATGCCTGTGAAAGAG.1_7	YUTAU	CD4T 3
## CATGCCTGTGCAACGA.1_7	YUTAU	NK 3
## CATGCCTGTTATGTGC.1_7	YUTAU	CD4T 3
## CATGCCTGTTCCAACA.1_7	YUTAU	CD4T 2
## CATGCCTTCTGAGTGT.1_7	YUTAU	TNKT 1
## CATGCCTTCTTTACGT.1_7	YUTAU	B 1
## CATGGCGCAACCGCCA.1_7	YUTAU	Mono 7
## CATGGCGCAGACGCCT.1_7	YUTAU	Mono 3
## CATGGCGCATGACGGA.1_7	YUTAU	Mono 5
## CATGGCGCATGGAATA.1_7	YUTAU	DC 1
## CATGGCGTCTCTTATG.1_7	YUTAU	Mono 3
## CATTATCCAAGACGTG.1_7	YUTAU	Mono 5
## CATTATCCAATGTTGC.1_7	YUTAU	CD8T 1
## CATTATCCACACCGCA.1_7	YUTAU	Mono 3
## CATTATCCACATCCGG.1_7	YUTAU	NK 1
## CATTATCCAGATGGGT.1_7	YUTAU	CD4T 3
## CATTATCCAGATTGCT.1_7	YUTAU	B 2
## CATTATCGTCCATGAT.1_7	YUTAU	CD8T 1
## CATTATCGTCCACAA.1_7	YUTAU	Mono 7
## CATTATCTCAAGAAGT.1_7	YUTAU	Mono 7
## CATTATCTCAGCTGGC.1_7	YUTAU	Mono 7
## CATTATCTCGACAGCC.1_7	YUTAU	CD4T 1
## CATTTCGAGTCCCACG.1_7	YUTAU	Mono 5
## CATTTCGAGTCCGGTC.1_7	YUTAU	B 1

## CATTGCCCACCTCGGA.1_7	YUTAU	CD4T 1
## CATTGCCCATGAAGTA.1_7	YUTAU	NK 1
## CATTGCGTAACGCGA.1_7	YUTAU	CD4T 1
## CATTGCGTCAGTGGA.1_7	YUTAU	CD4T 3
## CATTGCGTGTGCCTG.1_7	YUTAU	CD8T 1
## CATTGCGTTACAGAA.1_7	YUTAU	Mono 6
## CATTGCGTTACGGAG.1_7	YUTAU	Mono 7
## CCAATCCAGCCACGTC.1_7	YUTAU	CD4T 2
## CCAATCCAGTCCCACG.1_7	YUTAU	CD4T 5
## CCAATCCCACCCATGG.1_7	YUTAU	TNKT 2
## CCAATCCCCTACAGT.1_7	YUTAU	CD8T 2
## CCAATCCGTCAGAGGT.1_7	YUTAU	NK 1
## CCAATCCGTCTAGCCG.1_7	YUTAU	NK 1
## CCAATCCGTGTCAATC.1_7	YUTAU	B 4
## CCAATCCTCATTGCCC.1_7	YUTAU	Mono 7
## CCAATCCTCCCTAATT.1_7	YUTAU	Mono 8
## CCACCTAAGGACAGAA.1_7	YUTAU	Mono 5
## CCACCTACAAGTCTA.1_7	YUTAU	CD4T 1
## CCACCTACAATCCGAT.1_7	YUTAU	Mono 3
## CCACCTACAGTAACGG.1_7	YUTAU	Mono 7
## CCACCTACATTCTCAT.1_7	YUTAU	CD4T 5
## CCACCTAGTGGAAGA.1_7	YUTAU	NK 2
## CCACCTATCTATCCCG.1_7	YUTAU	Mono 5
## CCACGGAAGAGGTAGA.1_7	YUTAU	NK 1
## CCACGGACAAGTGGCC.1_7	YUTAU	B 1
## CCACGGACATCTCCA.1_7	YUTAU	DC 1
## CCACGGAGTCAGATAA.1_7	YUTAU	TNKT 1
## CCACGGAGTGCATCTA.1_7	YUTAU	CD8T 2
## CCACGGATCAGAGGTG.1_7	YUTAU	CD4T 3
## CCACTACAGAAACCAT.1_7	YUTAU	Mono 8
## CCACTACAGATCGGGT.1_7	YUTAU	Mono 1
## CCACTACAGCGGCTTC.1_7	YUTAU	CD8T 1
## CCACTACGTAGGGTAC.1_7	YUTAU	Mono 8
## CCACTACTCAAACCGT.1_7	YUTAU	Mono 6
## CCACTACTACCGTAA.1_7	YUTAU	NK 1
## CCACTACTCTTAGCCC.1_7	YUTAU	Mono 4
## CCAGCGAAGAAGCCCA.1_7	YUTAU	CD4T 7
## CCAGCGAAGCAGCCTC.1_7	YUTAU	CD4T 1
## CCAGCGAAGGGCTCTC.1_7	YUTAU	Mono 7
## CCAGCGACAAAGCGGT.1_7	YUTAU	DC 1
## CCAGCGACACACAGAG.1_7	YUTAU	Mono 6
## CCAGCGACACAGTCGC.1_7	YUTAU	Mono 1
## CCAGCGATCAAGAAGT.1_7	YUTAU	CD8T 2
## CCAGCGATCCTCAATT.1_7	YUTAU	B 1
## CCAGCGATCTACGAGT.1_7	YUTAU	Mono 7
## CCATGTCCAAGCCTAT.1_7	YUTAU	CD4T 6
## CCATGTCCACCCATGG.1_7	YUTAU	Mono 9
## CCATGTCCATCACAAC.1_7	YUTAU	CD4T 3
## CCATGTTCGTCAACCA.1_7	YUTAU	B 1
## CCATGTTCGTCCATGA.1_7	YUTAU	Mono 7
## CCATGTCTCCGATATG.1_7	YUTAU	CD4T 2
## CCATGTCTCTCCCTGA.1_7	YUTAU	Mono 8
## CCATTCGAGAGCCCAA.1_7	YUTAU	CD8T 1
## CCATTCGAGAGGGATA.1_7	YUTAU	Mono 4

## CCATTTCGAGCGCCTCA.1_7	YUTAU	CD4T 1
## CCATTTCGAGTGTGAAT.1_7	YUTAU	Mono 3
## CCATTTCGCAAGCTGGA.1_7	YUTAU	CD8T 2
## CCATTTCGCACACAGAG.1_7	YUTAU	Mono 9
## CCATTTCGCAGCATACT.1_7	YUTAU	Mono 3
## CCATTTCGCAGCCACCA.1_7	YUTAU	CD4T 1
## CCATTTCGCATGCAACT.1_7	YUTAU	Mono 3
## CCATTTCGGTGACCAAG.1_7	YUTAU	TNKT 2
## CCATTTCGTCAACGGGA.1_7	YUTAU	CD4T 6
## CCATTTCGTTCATTGCGA.1_7	YUTAU	Mono 7
## CCATTTCGTCCACGAAT.1_7	YUTAU	Mono 3
## CCCAATCAGAATAGGG.1_7	YUTAU	Mono 3
## CCCAATCAGATGGGTC.1_7	YUTAU	NK 3
## CCCAATCAGCCTATGT.1_7	YUTAU	Mono 3
## CCCAATCAGCTCCTTC.1_7	YUTAU	TNKT 1
## CCCAATCAGGCGTACA.1_7	YUTAU	CD4T 1
## CCCAATCCAACAACCT.1_7	YUTAU	CD8T 1
## CCCAATCCAATAGCGG.1_7	YUTAU	NK 3
## CCCAATCCAGGCGATA.1_7	YUTAU	NK 1
## CCCAATCTCAAACCAC.1_7	YUTAU	Mono 7
## CCCAATCTCACCAGGT.1_7	YUTAU	Mono 3
## CCCAATCTCCCTAATT.1_7	YUTAU	CD4T 3
## CCCAGTTAGACTAGAT.1_7	YUTAU	DC 1
## CCCAGTTAGCTCCTTC.1_7	YUTAU	NK 1
## CCCAGTTAGGAGTTGC.1_7	YUTAU	Mono 7
## CCCAGTTAGGGATGGG.1_7	YUTAU	Mono 7
## CCCAGTTAGTCGTTTG.1_7	YUTAU	Mono 7
## CCCAGTTAGTGGACGT.1_7	YUTAU	Mono 7
## CCCAGTTCAGCTTAAC.1_7	YUTAU	NK 1
## CCCAGTTCATCTGGTA.1_7	YUTAU	Mono 4
## CCCAGTTGTTAAGATG.1_7	YUTAU	Mono 2
## CCCAGTTGTTAAGTAG.1_7	YUTAU	CD4T 4
## CCCAGTTTCACTATTC.1_7	YUTAU	Mono 3
## CCCAGTTTCCTGTAGA.1_7	YUTAU	Mono 6
## CCCAGTTTCGGCGCAT.1_7	YUTAU	Mono 3
## CCCAGTTTCTCCTATA.1_7	YUTAU	Mono 6
## CCCATACCACCAGTTA.1_7	YUTAU	DC 1
## CCCATACCAGGGAGAG.1_7	YUTAU	Mono 7
## CCCATACGTGGTCCGT.1_7	YUTAU	CD4T 5
## CCCTCCTAGCGAAGGG.1_7	YUTAU	Mono 9
## CCCTCCTAGGACAGAA.1_7	YUTAU	Mono 2
## CCCTCCTAGGGTATCG.1_7	YUTAU	Mono 6
## CCCTCCTAGTGCCAGA.1_7	YUTAU	CD8T 1
## CCCTCCTCAACACGCC.1_7	YUTAU	Mono 8
## CCCTCCTCAACTGCGC.1_7	YUTAU	CD4T 1
## CCCTCCTCAATAGCGG.1_7	YUTAU	Mono 1
## CCCTCCTCACCAGGCT.1_7	YUTAU	Mono 2
## CCCTCCTGTCACTTCC.1_7	YUTAU	CD8T 3
## CCCTCCTGTCAACCA.1_7	YUTAU	Mono 6
## CCCTCCTTCCGTCATC.1_7	YUTAU	Mono 7
## CCCTCCTTCGACGGAA.1_7	YUTAU	NK 3
## CCGGGATCAAGCGCTC.1_7	YUTAU	Mono 8
## CCGGGATCAATAACGA.1_7	YUTAU	Mono 7
## CCGGGATCAATGGATA.1_7	YUTAU	CD4T 6

## CCGGGATCACCTATCC.1_7	YUTAU	CD4T 1
## CCGGGATCATCCATC.1_7	YUTAU	Mono 7
## CCGGGATGTAGAGTGC.1_7	YUTAU	CD4T 5
## CCGGGATGTCGGCTCA.1_7	YUTAU	B 1
## CCGGGATGTGAAATCA.1_7	YUTAU	TNKT 2
## CCGGGATTCTCCGGTT.1_7	YUTAU	Mono 7
## CCGGTAGGTAAGAGAG.1_7	YUTAU	Mono 2
## CCGGTAGGTATATGAG.1_7	YUTAU	CD8T 2
## CCGGTAGGTTGGGACA.1_7	YUTAU	CD4T 3
## CCGTACTAGCTATGCT.1_7	YUTAU	NK 2
## CCGTACTCATGCATGT.1_7	YUTAU	CD8T 2
## CCGTACTGTCATATCG.1_7	YUTAU	CD4T 3
## CCGTACTGTGCAACGA.1_7	YUTAU	Mono 3
## CCGTACTTCAGTGCAT.1_7	YUTAU	CD4T 5
## CCGTACTTCCTAGGGC.1_7	YUTAU	NK 4
## CCGTGGAAGCGATCCC.1_7	YUTAU	Mono 7
## CCGTGGAAGCTTCGCG.1_7	YUTAU	Mono 7
## CCGTGGAAGGGAAACA.1_7	YUTAU	NK 1
## CCGTGGAAGTGTGGCA.1_7	YUTAU	Mono 5
## CCGTGGAGTAAGGGCT.1_7	YUTAU	Mono 8
## CCGTGGAGTACCTACA.1_7	YUTAU	Mono 6
## CCGTGGAGTAGGGACT.1_7	YUTAU	CD4T 1
## CCGTGGAGTCCATGAT.1_7	YUTAU	CD4T 5
## CCGTTCAAGGTGACCA.1_7	YUTAU	Mono 6
## CCGTTCAAGTCTCCTC.1_7	YUTAU	CD4T 1
## CCGTTCAGTTCTGAAC.1_7	YUTAU	CD4T 1
## CCGTTCATCACATAGC.1_7	YUTAU	Mono 7
## CCGTTCATCAGCGACC.1_7	YUTAU	CD4T 3
## CCGTTCATCCAAAGTC.1_7	YUTAU	Mono 7
## CCGTTCATCGTTTATC.1_7	YUTAU	Mono 3
## CCTAAAGAGCCCTAAT.1_7	YUTAU	TNKT 1
## CCTAAAGAGGAGCGAG.1_7	YUTAU	Mono 1
## CCTAAAGAGTAATCCC.1_7	YUTAU	CD8T 1
## CCTAAAGCATCCCATC.1_7	YUTAU	CD4T 2
## CCTAAAGGTGCGCTTG.1_7	YUTAU	B 1
## CCTAAAGTCAAGAAGT.1_7	YUTAU	CD8T 1
## CCTAAAGTCTGCAGG.1_7	YUTAU	Mono 6
## CCTAAAGTCTATCGCC.1_7	YUTAU	Mono 7
## CCTACACAGATATGCA.1_7	YUTAU	CD8T 2
## CCTACACAGCGTTAT.1_7	YUTAU	B 3
## CCTACACAGGGATACC.1_7	YUTAU	TNKT 1
## CCTACACAGTGACATA.1_7	YUTAU	Mono 1
## CCTACACCACATCCGG.1_7	YUTAU	Mono 7
## CCTACACCACCCATGG.1_7	YUTAU	Mono 9
## CCTACACCACTGAAGG.1_7	YUTAU	CD4T 1
## CCTACACCAGCGTAAG.1_7	YUTAU	Mono 7
## CCTACACGTCTAACGT.1_7	YUTAU	Mono 3
## CCTACACGTCTGCCAG.1_7	YUTAU	DC 1
## CCTACACGTGACTCAT.1_7	YUTAU	CD4T 1
## CCTACACTCGCCAAAT.1_7	YUTAU	Mono 2
## CCTACACTCTTCGAGA.1_7	YUTAU	CD4T 1
## CCTACCACACAAGACG.1_7	YUTAU	Mono 6
## CCTACCACACAGCCCA.1_7	YUTAU	CD4T 5
## CCTACCACACCGAATT.1_7	YUTAU	Mono 1

## CCTACCAGTAGATTAG.1_7	YUTAU	Mono 5
## CCTAGCTAGACTGGGT.1_7	YUTAU	CD4T 5
## CCTAGCTCACGAAAGC.1_7	YUTAU	Mono 7
## CCTAGCTGTCTCGTTC.1_7	YUTAU	CD8T 1
## CCTAGCTGTTGGAGGT.1_7	YUTAU	TNKT 1
## CCTATTACAAGACACG.1_7	YUTAU	B 1
## CCTATTACACACCGCA.1_7	YUTAU	CD8T 2
## CCTATTAGTAAGGATT.1_7	YUTAU	Mono 8
## CCTATTAGTGTAACGG.1_7	YUTAU	Mono 3
## CCTATTAGTTAAAGAC.1_7	YUTAU	CD8T 2
## CCTATTATCAATACCG.1_7	YUTAU	TNKT 1
## CCTATTATCAGCACAT.1_7	YUTAU	B 1
## CCTATTATCCAGTAGT.1_7	YUTAU	Mono 7
## CCTATTATCCGAGCCA.1_7	YUTAU	Mono 4
## CCTCAGTAGACCGGAT.1_7	YUTAU	CD8T 1
## CCTCAGTAGAGCCCAA.1_7	YUTAU	Mono 7
## CCTCAGTAGGACGAAA.1_7	YUTAU	NK 1
## CCTCAGTAGGAGTAGA.1_7	YUTAU	TNKT 1
## CCTCAGTCACCGTTGG.1_7	YUTAU	CD4T 1
## CCTCAGTCACTGCCAG.1_7	YUTAU	Mono 8
## CCTCAGTCAGCTATTG.1_7	YUTAU	CD4T 5
## CCTCAGTGTGCATCTA.1_7	YUTAU	Mono 5
## CCTCAGTTCAGTCAGT.1_7	YUTAU	Mono 7
## CCTCTGAAGAGAACAG.1_7	YUTAU	Mono 1
## CCTCTGAAGCGACGTA.1_7	YUTAU	NK 4
## CCTCTGACAATAACGA.1_7	YUTAU	Mono 5
## CCTCTGACACGCTTTC.1_7	YUTAU	CD4T 1
## CCTCTGACAGAGCCAA.1_7	YUTAU	Mono 7
## CCTCTGAGTAAGAGAG.1_7	YUTAU	Mono 8
## CCTCTGATCATGCATG.1_7	YUTAU	CD4T 6
## CCTCTGATCTTACCGC.1_7	YUTAU	Mono 9
## CCTTACGCATGGGACA.1_7	YUTAU	Mono 6
## CCTTACGTCCAGAAGG.1_7	YUTAU	Mono 1
## CCTTCCCCACACATGT.1_7	YUTAU	NK 1
## CCTTCCCCATCTCCA.1_7	YUTAU	DC 1
## CCTTCCCGTAGAAAGG.1_7	YUTAU	TNKT 1
## CCTTCGAAGAAGAAGC.1_7	YUTAU	CD4T 5
## CCTTCGAAGGCGTACA.1_7	YUTAU	CD4T 1
## CCTTCGACAAATCCGT.1_7	YUTAU	Mono 9
## CCTTCGACAGGAATCG.1_7	YUTAU	CD4T 1
## CCTTCGAGTACAGACG.1_7	YUTAU	Mono 5
## CCTTCGAGTACGACCC.1_7	YUTAU	NK 2
## CCTTCGAGTCAGAAGC.1_7	YUTAU	CD4T 2
## CCTTCGAGTCATCCCT.1_7	YUTAU	Mono 6
## CCTTCGAGTGAAAGAG.1_7	YUTAU	B 2
## CCTTCGATCATGCTCC.1_7	YUTAU	Mono 6
## CCTTCGATCGTCACGG.1_7	YUTAU	Mono 7
## CCTTCGATCTCGAGTA.1_7	YUTAU	CD4T 1
## CCTTCGATCTGGAGCC.1_7	YUTAU	Mono 8
## CCTTTCTAGAGTGACC.1_7	YUTAU	CD4T 7
## CCTTTCTAGCTTTGGT.1_7	YUTAU	Mono 6
## CCTTTCTAGTACACCT.1_7	YUTAU	Mono 1
## CCTTTCTCACCAGTTA.1_7	YUTAU	Mono 6
## CCTTTCTCACGAAAGC.1_7	YUTAU	Mono 2

## CCTTTCTGTCATATCG.1_7	YUTAU	CD4T 3
## CCTTTCTGTAAAGTAG.1_7	YUTAU	CD4T 7
## CCTTTCTTCCAGGGCT.1_7	YUTAU	CD4T 5
## CCTTTCTTCGCCCTTA.1_7	YUTAU	TNKT 1
## CGAACATAGAACAATC.1_7	YUTAU	Mono 7
## CGAACATAGAATAGGG.1_7	YUTAU	Mono 7
## CGAACATAGGAGTACC.1_7	YUTAU	CD8T 2
## CGAACATAGTGTGAAT.1_7	YUTAU	CD4T 5
## CGAACATCAAGAGTCG.1_7	YUTAU	Mono 5
## CGAACATCATTTTCAGG.1_7	YUTAU	Mono 8
## CGAACATGTATCAGTC.1_7	YUTAU	Mono 2
## CGAACATGTCAGATAA.1_7	YUTAU	CD8T 1
## CGAACATTTCAGTACGT.1_7	YUTAU	Mono 3
## CGAACATTCCAAAGTC.1_7	YUTAU	CD4T 3
## CGAATGTCAATCTACG.1_7	YUTAU	CD4T 6
## CGAATGTCAGACACTT.1_7	YUTAU	Mono 6
## CGAATGTGTAGAGTGC.1_7	YUTAU	Mono 1
## CGAATGTGTCCCTACT.1_7	YUTAU	DC 1
## CGAATGTGTTCCACC.1_7	YUTAU	Mono 5
## CGAATGTTCAGAAATG.1_7	YUTAU	Mono 9
## CGAATGTTCAGTTCGA.1_7	YUTAU	Mono 2
## CGAATGTTCCTCGGATG.1_7	YUTAU	CD4T 5
## CGAATGTTCGCCAGCA.1_7	YUTAU	Mono 5
## CGACCTTAGACCTAGG.1_7	YUTAU	CD4T 1
## CGACCTTAGCAAATCA.1_7	YUTAU	B 1
## CGACCTTAGTCGAGTG.1_7	YUTAU	Mono 3
## CGACCTTAGTGAACGC.1_7	YUTAU	CD4T 3
## CGACCTTCAAAGTGCG.1_7	YUTAU	Mono 3
## CGACCTTCAGCATGAG.1_7	YUTAU	CD4T 3
## CGACCTTCAGGTGCCT.1_7	YUTAU	CD4T 6
## CGACCTTCATGGATGG.1_7	YUTAU	Mono 8
## CGACCTTGTAATTCTT.1_7	YUTAU	Mono 8
## CGACCTTGTCGAATT.1_7	YUTAU	CD4T 1
## CGACCTTGTTAGGGTG.1_7	YUTAU	Mono 6
## CGACCTTTCAAAGTAG.1_7	YUTAU	CD4T 5
## CGACCTTTCAGAAATG.1_7	YUTAU	Mono 4
## CGACCTTTCCCAAGTA.1_7	YUTAU	Mono 2
## CGACTTCAGCTCCTCT.1_7	YUTAU	CD4T 1
## CGACTTCAGTTAGGTA.1_7	YUTAU	CD4T 6
## CGACTTCCATGGGAAC.1_7	YUTAU	Mono 3
## CGACTTCCATGTCGAT.1_7	YUTAU	CD4T 1
## CGACTTCTCCTAGAAC.1_7	YUTAU	Mono 4
## CGAGAAGAGATCCCAT.1_7	YUTAU	Mono 2
## CGAGAAGAGATGTTAG.1_7	YUTAU	CD4T 1
## CGAGAAGAGGGTGTGT.1_7	YUTAU	Mono 3
## CGAGAAGAGGTCATCT.1_7	YUTAU	Mono 7
## CGAGAAGCAACTGGCC.1_7	YUTAU	Mono 6
## CGAGAAGCAGCTGCTG.1_7	YUTAU	CD4T 7
## CGAGAAGCATCTACGA.1_7	YUTAU	Mono 5
## CGAGAAGGTCACAAGG.1_7	YUTAU	Mono 3
## CGAGAAGTCCAGATCA.1_7	YUTAU	Mono 5
## CGAGAAGTCGGAAACG.1_7	YUTAU	CD8T 2
## CGAGAAGTCTTAACCT.1_7	YUTAU	Mono 8
## CGAGCACAGCCACGCT.1_7	YUTAU	CD8T 1

## CGAGCACAGCCATCGC.1_7	YUTAU	CD4T 1
## CGAGCACCACCAGATT.1_7	YUTAU	NK 3
## CGAGCACCACCTCGGA.1_7	YUTAU	Mono 3
## CGAGCACCAGTTCATG.1_7	YUTAU	Mono 3
## CGAGCACGTCACAAGG.1_7	YUTAU	Mono 2
## CGAGCACTCAGCCTAA.1_7	YUTAU	Mono 7
## CGAGCACTCCGTCAA.1_7	YUTAU	CD4T 2
## CGAGCACTCCTCAATT.1_7	YUTAU	Mono 7
## CGAGCCAAGATATACG.1_7	YUTAU	Mono 7
## CGAGCCAGTATTCTCT.1_7	YUTAU	Mono 6
## CGAGCCAGTCACCCAG.1_7	YUTAU	Mono 7
## CGAGCCAGTTTGCATG.1_7	YUTAU	NK 1
## CGAGCCATCAGTTGAC.1_7	YUTAU	DC 1
## CGAGCCATCTCGATGA.1_7	YUTAU	Mono 4
## CGATCGGAGATCCCGC.1_7	YUTAU	CD4T 3
## CGATCGGAGTCCCACG.1_7	YUTAU	Mono 7
## CGATCGGTCATTCACT.1_7	YUTAU	Mono 6
## CGATCGGTCCTCCTAG.1_7	YUTAU	CD4T 1
## CGATGGCAGCGTAGTG.1_7	YUTAU	NK 3
## CGATGGCAGGCGATAC.1_7	YUTAU	DC 1
## CGATGGCAGTGTGAAT.1_7	YUTAU	DC 1
## CGATGGCAGTTCCACA.1_7	YUTAU	CD4T 1
## CGATGGCAGTTTGGCT.1_7	YUTAU	CD4T 5
## CGATGGCCACCATCCT.1_7	YUTAU	Mono 4
## CGATGGCCAGCCTTGG.1_7	YUTAU	CD4T 5
## CGATGGCCATGACATC.1_7	YUTAU	Mono 3
## CGATGGCGTATATGAG.1_7	YUTAU	Mono 9
## CGATGGCGTGAGGGAG.1_7	YUTAU	Mono 9
## CGATGGCGTGGCGAAT.1_7	YUTAU	Mono 6
## CGATGTACAGACAAGC.1_7	YUTAU	CD4T 6
## CGATGTACAGGAACGT.1_7	YUTAU	Mono 5
## CGATGTACATCCCACT.1_7	YUTAU	Mono 3
## CGATGTAGTACCGAGA.1_7	YUTAU	Mono 6
## CGATGTAGTAGCGCTC.1_7	YUTAU	CD4T 4
## CGATGTATCGTCTGAA.1_7	YUTAU	Mono 3
## CGATTGAAGAATTCCC.1_7	YUTAU	Mono 6
## CGATTGACACCCATGG.1_7	YUTAU	Mono 4
## CGATTGACACTGAAGG.1_7	YUTAU	CD8T 1
## CGATTGACAGGGTACA.1_7	YUTAU	Mono 6
## CGATTGAGTGGAAGA.1_7	YUTAU	B 2
## CGATTGATCACCGGGT.1_7	YUTAU	TNKT 1
## CGATTGATCGCCAAAT.1_7	YUTAU	Mono 3
## CGCCAAGGTGAAATCA.1_7	YUTAU	Mono 7
## CGCCAAGTCAACACTG.1_7	YUTAU	Mono 5
## CGCCAAGTCACCGTAA.1_7	YUTAU	CD4T 1
## CGCGGTAAGACCTAGG.1_7	YUTAU	CD4T 3
## CGCGGTAAGGCAGGTT.1_7	YUTAU	Mono 7
## CGCGGTACAAGCGCTC.1_7	YUTAU	Mono 3
## CGCGGTAGTAAGAGAG.1_7	YUTAU	Mono 6
## CGCGGTAGTAAGGATT.1_7	YUTAU	NK 1
## CGCGGTAGTACTCAAC.1_7	YUTAU	CD4T 6
## CGCGGTAGTAGCACGA.1_7	YUTAU	Mono 1
## CGCGGTAGTCACAAGG.1_7	YUTAU	CD4T 5
## CGCGGTAGTTAGATGA.1_7	YUTAU	DC 1

## CGCGGTATCACCTCA.1_7	YUTAU	Mono 7
## CGCGGTATCATCATT.1_7	YUTAU	Mono 3
## CGCGTTTAGGAATGA.1_7	YUTAU	Mono 6
## CGCGTTTCAAGCGAGT.1_7	YUTAU	NK 1
## CGCGTTTCACGGTTTA.1_7	YUTAU	Mono 7
## CGCGTTTCATGTCTCC.1_7	YUTAU	CD8T 1
## CGCGTTTGTTCATCCCT.1_7	YUTAU	Mono 6
## CGCGTTTTCAGAGACG.1_7	YUTAU	CD8T 2
## CGCTATCAGACAAAGG.1_7	YUTAU	Mono 9
## CGCTATCAGACACGAC.1_7	YUTAU	CD4T 1
## CGCTATCAGAGCTTCT.1_7	YUTAU	Mono 4
## CGCTATCAGCTGTCTA.1_7	YUTAU	CD4T 1
## CGCTATCCACACAGAG.1_7	YUTAU	Mono 1
## CGCTATCCATAGTAAG.1_7	YUTAU	Mono 6
## CGCTATCCATGAACCT.1_7	YUTAU	Mono 3
## CGCTATCGTAGCGCAA.1_7	YUTAU	CD4T 4
## CGCTATCGTAGCGTGA.1_7	YUTAU	CD4T 2
## CGCTATCGTATGAAAC.1_7	YUTAU	CD4T 3
## CGCTATCGTGAGGGTT.1_7	YUTAU	NK 2
## CGCTATCGTGTGAGG.1_7	YUTAU	Mono 3
## CGCTATCTCATACGGT.1_7	YUTAU	DC 1
## CGCTGGAAGAGGGCTT.1_7	YUTAU	Mono 8
## CGCTGGAAGCCCTAAT.1_7	YUTAU	NK 3
## CGCTGGACAAGGGTCA.1_7	YUTAU	Mono 3
## CGCTGGACATAAAGGT.1_7	YUTAU	CD4T 3
## CGCTGGAGTAACGCGA.1_7	YUTAU	Mono 7
## CGCTGGAGTAGATTAG.1_7	YUTAU	Mono 5
## CGCTGGATCCAAACTG.1_7	YUTAU	Mono 7
## CGCTTCAAGTGTCAT.1_7	YUTAU	CD4T 5
## CGCTTCACAGATGGCA.1_7	YUTAU	CD8T 1
## CGCTTCACATGGGACA.1_7	YUTAU	Mono 2
## CGCTTCAGTAATTGGA.1_7	YUTAU	Mono 3
## CGCTTCATCCGTAGTA.1_7	YUTAU	Mono 3
## CGCTTCATCTTAGAGC.1_7	YUTAU	Mono 3
## CGGACACAGAGCTGCA.1_7	YUTAU	NK 2
## CGGACACAGCTACCGC.1_7	YUTAU	CD8T 2
## CGGACACAGGCCCTTG.1_7	YUTAU	DC 1
## CGGACACAGGGAACGG.1_7	YUTAU	CD4T 2
## CGGACACCATCCGGGT.1_7	YUTAU	CD4T 3
## CGGACACGTGACGCCT.1_7	YUTAU	Mono 7
## CGGACACGTGTTGGGA.1_7	YUTAU	Mono 1
## CGGACACGTTCGGGCT.1_7	YUTAU	CD4T 1
## CGGACACTACGAAGG.1_7	YUTAU	CD4T 5
## CGGACACTCCTGCAGG.1_7	YUTAU	CD4T 2
## CGGACACTCGCGGATC.1_7	YUTAU	Mono 3
## CGGACACTCTTGCAAG.1_7	YUTAU	DC 1
## CGGACGTAGATCACGG.1_7	YUTAU	CD4T 4
## CGGACGTAGGATTCGG.1_7	YUTAU	B 1
## CGGACGTAGGCTAGCA.1_7	YUTAU	CD4T 5
## CGGACGTCAACGATCT.1_7	YUTAU	CD8T 1
## CGGACGTCAAGTTCTG.1_7	YUTAU	CD4T 7
## CGGACGTTCATGCCCGA.1_7	YUTAU	CD4T 3
## CGGACGTTCAGAGCTT.1_7	YUTAU	CD8T 2
## CGGACTGAGAACAAC.1_7	YUTAU	CD4T 2

## CGGACTGAGGATCGCA.1_7	YUTAU	CD4T 1
## CGGACTGGTAGGGACT.1_7	YUTAU	Mono 4
## CGGACTGTCACATGCA.1_7	YUTAU	Mono 4
## CGGACTGTCCGTACAA.1_7	YUTAU	NK 1
## CGGACTGTCCCATAA.1_7	YUTAU	B 1
## CGGAGCTAGAGGGCTT.1_7	YUTAU	Mono 5
## CGGAGCTAGAGTGAGA.1_7	YUTAU	B 1
## CGGAGCTAGTGAATTG.1_7	YUTAU	CD8T 1
## CGGAGCTTCAAACCAC.1_7	YUTAU	CD4T 1
## CGGAGCTTCACTCTTA.1_7	YUTAU	CD4T 5
## CGGAGCTTCGTTTATC.1_7	YUTAU	CD8T 1
## CGGAGCTTCTGTTTGT.1_7	YUTAU	CD8T 1
## CGGAGCTTCTTAACCT.1_7	YUTAU	Mono 7
## CGGAGTCAGAAGGTTT.1_7	YUTAU	CD4T 2
## CGGAGTCCAAATACAG.1_7	YUTAU	Mono 6
## CGGAGTCCACCTATCC.1_7	YUTAU	CD4T 5
## CGGAGTCCACTGTCGG.1_7	YUTAU	NK 1
## CGGAGTCCAGTATGCT.1_7	YUTAU	CD4T 5
## CGGAGTCCAGTGGGAT.1_7	YUTAU	DC 1
## CGGAGTCCATGACATC.1_7	YUTAU	Mono 5
## CGGAGTCCATGCAACT.1_7	YUTAU	Mono 3
## CGGAGTCGTAGGGTAC.1_7	YUTAU	CD8T 2
## CGGAGTCGTCGGGTCT.1_7	YUTAU	TNKT 1
## CGGAGTCTCACAATGC.1_7	YUTAU	CD4T 1
## CGGCTAGAGGGTCTCC.1_7	YUTAU	Mono 9
## CGGCTAGCAAGCGCTC.1_7	YUTAU	Mono 3
## CGGCTAGCAGCTTCGG.1_7	YUTAU	Mono 6
## CGGCTAGCATGTCTCC.1_7	YUTAU	TNKT 1
## CGGCTAGGTAGCGTCC.1_7	YUTAU	TNKT 1
## CGGCTAGTCAAGCCTA.1_7	YUTAU	Mono 7
## CGGCTAGTCTGGCGTG.1_7	YUTAU	CD4T 4
## CGGGTCAAGATCCGAG.1_7	YUTAU	CD4T 7
## CGGGTCACACAAGTAA.1_7	YUTAU	Mono 6
## CGGGTCAGTCCCGACA.1_7	YUTAU	Mono 3
## CGGGTCAGTCCACAA.1_7	YUTAU	Mono 7
## CGGGTCATCCGGGTGT.1_7	YUTAU	B 1
## CGGTAAAGAGCAATT.1_7	YUTAU	B 1
## CGGTAAAGCGAGAAA.1_7	YUTAU	Mono 8
## CGGTAAAGGACACCA.1_7	YUTAU	Mono 1
## CGGTAAACAGCCAGAA.1_7	YUTAU	Mono 7
## CGGTAAACATCGATTG.1_7	YUTAU	Mono 7
## CGGTAAACATGCCACG.1_7	YUTAU	DC 1
## CGGTAAAGTAAATACG.1_7	YUTAU	B 1
## CGGTAAAGTAATCGTC.1_7	YUTAU	CD8T 1
## CGGTAAAGTTCTGGTA.1_7	YUTAU	B 4
## CGGTAAATCCATGAGT.1_7	YUTAU	CD4T 5
## CGGTAAATCCTCAATT.1_7	YUTAU	Mono 7
## CGGTAAATCTATCGCC.1_7	YUTAU	Mono 5
## CGGTAAATCTGCCCTA.1_7	YUTAU	Mono 7
## CGTAGCGAGAAACCAT.1_7	YUTAU	CD4T 4
## CGTAGCGAGCCCTAAT.1_7	YUTAU	CD4T 6
## CGTAGCGCAGCTGTTA.1_7	YUTAU	Mono 3
## CGTAGCGCAGTATGCT.1_7	YUTAU	Mono 7
## CGTAGCGGTACCATCA.1_7	YUTAU	Mono 9

## CGTAGGCAGATAGCAT.1_7	YUTAU	CD4T 1
## CGTAGGCAGCTAACAA.1_7	YUTAU	Mono 6
## CGTAGGCAGCTAGCCC.1_7	YUTAU	TNKT 2
## CGTAGGCAGTACACCT.1_7	YUTAU	Mono 7
## CGTAGGCCAAGCGATG.1_7	YUTAU	CD4T 1
## CGTAGGCGTAAGGATT.1_7	YUTAU	Mono 7
## CGTAGGCGTACTTAGC.1_7	YUTAU	Mono 5
## CGTAGGCGTCAAAGAT.1_7	YUTAU	Mono 1
## CGTAGGCTCACTTATC.1_7	YUTAU	CD8T 3
## CGTAGGCTCTCTAGGA.1_7	YUTAU	Mono 3
## CGTCACTAGACATAAC.1_7	YUTAU	CD4T 2
## CGTCACTAGGATATAC.1_7	YUTAU	Mono 7
## CGTCACTCAAGCTGAG.1_7	YUTAU	CD4T 2
## CGTCACTCACCCATTC.1_7	YUTAU	Mono 8
## CGTCACTCAGGACGTA.1_7	YUTAU	Mono 1
## CGTCACTCATCCTTGC.1_7	YUTAU	Mono 7
## CGTCACTCATTGTGCA.1_7	YUTAU	B 1
## CGTCACTGTCTCCATC.1_7	YUTAU	CD4T 1
## CGTCACTTCATCATTC.1_7	YUTAU	NK 1
## CGTCAGGCAACTTGAC.1_7	YUTAU	B 1
## CGTCAGGCATTCTCAT.1_7	YUTAU	NK 1
## CGTCCATAGAAACCAT.1_7	YUTAU	Mono 5
## CGTCCATAGGGTTCCC.1_7	YUTAU	NK 1
## CGTCCATAGTGGAGTC.1_7	YUTAU	Mono 3
## CGTCCATCATGTGAT.1_7	YUTAU	CD4T 1
## CGTCCATGTAAGGGAA.1_7	YUTAU	TNKT 1
## CGTCCATGTATAGGTA.1_7	YUTAU	CD8T 1
## CGTCCATGTCCAAGTT.1_7	YUTAU	CD4T 6
## CGTCCATGTGCAGGTA.1_7	YUTAU	CD4T 5
## CGTCCATGTGCTGTAT.1_7	YUTAU	Mono 9
## CGTCCATGTTGCTCCT.1_7	YUTAU	CD4T 1
## CGTCCATTATAGCAC.1_7	YUTAU	Mono 6
## CGTCCATTGAGGTAG.1_7	YUTAU	CD4T 5
## CGTCCATTCTCCAGGG.1_7	YUTAU	Mono 9
## CGTCTACAGGAATGGA.1_7	YUTAU	NK 1
## CGTCTACAGTGAAGTT.1_7	YUTAU	CD4T 1
## CGTCTACAGTTGTCGT.1_7	YUTAU	B 1
## CGTCTACCAGGTCCAC.1_7	YUTAU	CD4T 3
## CGTCTACGTAAGGGAA.1_7	YUTAU	CD4T 5
## CGTCTACGTACATGTC.1_7	YUTAU	Mono 3
## CGTCTACGTAGGAGTC.1_7	YUTAU	NK 2
## CGTCTACGTATGAAAC.1_7	YUTAU	CD4T 3
## CGTCTACTCAGCATGT.1_7	YUTAU	Mono 7
## CGTCTACTCGGCGGTT.1_7	YUTAU	DC 1
## CGTCTACTCTGGAGCC.1_7	YUTAU	Mono 7
## CGTGAGCAGACAAGCC.1_7	YUTAU	Mono 6
## CGTGAGCAGAGTAAGG.1_7	YUTAU	CD4T 1
## CGTGAGCAGGGAGTAA.1_7	YUTAU	NK 3
## CGTGAGCCAACACCCG.1_7	YUTAU	Mono 6
## CGTGAGCCACAGAGGT.1_7	YUTAU	CD4T 1
## CGTGAGCCAGAAGCAC.1_7	YUTAU	Mono 3
## CGTGAGCCAGGACCCT.1_7	YUTAU	TNKT 1
## CGTGAGCGTACGACCC.1_7	YUTAU	TNKT 2
## CGTGAGCGTGCAACTT.1_7	YUTAU	B 1

## CGTGAGCTCATGCTCC.1_7	YUTAU	Mono 2
## CGTGAGCTCCCATTTA.1_7	YUTAU	Mono 7
## CGTGAGCTCTGCCCTA.1_7	YUTAU	CD4T 5
## CGTGTAAGGGATAACC.1_7	YUTAU	NK 1
## CGTGTAACATCTATGG.1_7	YUTAU	CD4T 2
## CGTGTAAGTACGACCC.1_7	YUTAU	Mono 4
## CGTGTAAGTAGCGATG.1_7	YUTAU	CD4T 6
## CGTGTAAGTAGGGTAC.1_7	YUTAU	Mono 5
## CGTGTAAGTATAGGTA.1_7	YUTAU	CD8T 1
## CGTGTAATCAAAGACA.1_7	YUTAU	B 1
## CGTGTAATCCAGGGCT.1_7	YUTAU	B 1
## CGTGTCTAGATCCGAG.1_7	YUTAU	CD8T 1
## CGTGTCTAGCTAACAA.1_7	YUTAU	CD4T 5
## CGTGTCTAGTCGAGTG.1_7	YUTAU	Mono 5
## CGTGTCTTCAGAGACG.1_7	YUTAU	CD4T 1
## CGTGTCTTCCCTGACT.1_7	YUTAU	CD4T 4
## CGTGTCTTCGGAATCT.1_7	YUTAU	Mono 7
## CGTGTCTTCTATCCCG.1_7	YUTAU	Mono 9
## CGTGTCTTCTGAAAGA.1_7	YUTAU	NK 4
## CGTTAGAAGCCCAGCT.1_7	YUTAU	CD4T 1
## CGTTAGACATGCCCGA.1_7	YUTAU	Mono 8
## CGTTAGAGTAGGAGTC.1_7	YUTAU	Mono 9
## CGTTAGATCACCGTAA.1_7	YUTAU	Mono 1
## CGTTAGATCTGATACG.1_7	YUTAU	Mono 8
## CGTTCTGAGATCCGAG.1_7	YUTAU	CD4T 3
## CGTTCTGAGATGGGTC.1_7	YUTAU	CD4T 5
## CGTTCTGCATGAGCGA.1_7	YUTAU	Mono 5
## CGTTCTGGTGAAATCA.1_7	YUTAU	Mono 4
## CGTTCTGGTGTTGGGA.1_7	YUTAU	B 1
## CGTTCTGTCAAGATCC.1_7	YUTAU	Mono 7
## CGTTGGGCACACGCTG.1_7	YUTAU	CD4T 5
## CGTTGGGCACAGATTC.1_7	YUTAU	CD8T 1
## CGTTGGGGTACCGGCT.1_7	YUTAU	Mono 4
## CGTTGGGGTGCACCTTA.1_7	YUTAU	Mono 3
## CGTTGGGTCATGGTCA.1_7	YUTAU	CD8T 2
## CGTTGGGTCTACTATC.1_7	YUTAU	Mono 7
## CTAACCTTAGCTGCAAG.1_7	YUTAU	Mono 7
## CTAACCTTCAAACAACA.1_7	YUTAU	CD8T 1
## CTAACCTTCAAAGGAAG.1_7	YUTAU	Mono 6
## CTAACCTTCAAGCTGGA.1_7	YUTAU	CD4T 4
## CTAACCTTCAGGTGCCT.1_7	YUTAU	TNKT 2
## CTAACCTTCATTAGCCA.1_7	YUTAU	Mono 5
## CTAACCTTGTATATGAG.1_7	YUTAU	Mono 8
## CTAACCTTGTACCGAT.1_7	YUTAU	Mono 5
## CTAACCTTTCACCCTCA.1_7	YUTAU	TNKT 1
## CTAAGACAGAGATGAG.1_7	YUTAU	Mono 6
## CTAAGACCAAGAAAGG.1_7	YUTAU	NK 3
## CTAAGACCAAGCTGAG.1_7	YUTAU	CD8T 1
## CTAAGACCAAGTCTAC.1_7	YUTAU	CD4T 1
## CTAAGACCACTTCTGC.1_7	YUTAU	Mono 7
## CTAAGACCATGTTGT.1_7	YUTAU	B 2
## CTAAGACGTACAGACG.1_7	YUTAU	Mono 6
## CTAAGACGTAGCAAAT.1_7	YUTAU	Mono 5
## CTAAGACGTCTCCCTA.1_7	YUTAU	Mono 2

## CTAAGACGTTAAAGTG.1_7	YUTAU	Mono 3
## CTAAGACTCAAAGACA.1_7	YUTAU	Mono 2
## CTAAGACTCAACCAAC.1_7	YUTAU	TNKT 2
## CTAAGACTCCTGCAGG.1_7	YUTAU	Mono 8
## CTAAGACTCGCCGTGA.1_7	YUTAU	Mono 7
## CTAATGGCAATAGCGG.1_7	YUTAU	Mono 7
## CTAATGGCAGATCCAT.1_7	YUTAU	CD4T 3
## CTAATGGCAGGATCGA.1_7	YUTAU	CD4T 1
## CTAATGGCAGTAGAGC.1_7	YUTAU	CD4T 5
## CTAATGGCATAAGACA.1_7	YUTAU	Mono 4
## CTAATGGCATGGAATA.1_7	YUTAU	CD4T 2
## CTAATGGTCACAAACC.1_7	YUTAU	Mono 2
## CTAATGGTCCAAAGTC.1_7	YUTAU	CD8T 1
## CTAATGGTCTACTTAC.1_7	YUTAU	Mono 4
## CTAATGGTCTTATCTG.1_7	YUTAU	Mono 6
## CTACACCAGAGCTTCT.1_7	YUTAU	NK 3
## CTACACCAGCGCCTCA.1_7	YUTAU	Mono 6
## CTACACCCACATGGGA.1_7	YUTAU	NK 2
## CTACACCCAGACGTAG.1_7	YUTAU	Mono 7
## CTACACCGTGCACGAA.1_7	YUTAU	Mono 4
## CTACACCGTTCTCATT.1_7	YUTAU	Mono 6
## CTACACCTCCGTAGGC.1_7	YUTAU	Mono 7
## CTACACCTCCTCGCAT.1_7	YUTAU	Mono 7
## CTACACCTCGATCCCT.1_7	YUTAU	CD4T 7
## CTACATTAGAATAGGG.1_7	YUTAU	Mono 9
## CTACATTAGATCGGGT.1_7	YUTAU	DC 1
## CTACATTAGATGCCAG.1_7	YUTAU	Mono 8
## CTACATTAGTGGCACA.1_7	YUTAU	Mono 2
## CTACATTAGTGTAATC.1_7	YUTAU	DC 1
## CTACATTACAGCCTTGG.1_7	YUTAU	CD4T 2
## CTACATTATGGGACA.1_7	YUTAU	Mono 4
## CTACATTGTCCGAACC.1_7	YUTAU	Mono 7
## CTACATTGTGACTACT.1_7	YUTAU	Mono 5
## CTACATTGTGAGTATA.1_7	YUTAU	Mono 4
## CTACATTTACCGTAA.1_7	YUTAU	Mono 6
## CTACATTTATTGCGA.1_7	YUTAU	CD4T 1
## CTACATTTGCGGATCG.1_7	YUTAU	CD4T 5
## CTACCCAAGAATTCCC.1_7	YUTAU	CD4T 6
## CTACCCAAGAGGTTGC.1_7	YUTAU	CD4T 7
## CTACCCAAGGATTCGG.1_7	YUTAU	Mono 1
## CTACCCACAATCTACG.1_7	YUTAU	Mono 7
## CTACCCATCAAACAAG.1_7	YUTAU	Mono 3
## CTACCCATCCCGGATG.1_7	YUTAU	Mono 7
## CTACCCATCCTACAGA.1_7	YUTAU	CD4T 3
## CTACGTCAGAAAAGTGG.1_7	YUTAU	Mono 8
## CTACGTCAGAGCTATA.1_7	YUTAU	Mono 7
## CTACGTCAGAGTAATC.1_7	YUTAU	Mono 7
## CTACGTCAGGCGACAT.1_7	YUTAU	CD4T 6
## CTACGTCAGGGCTCTC.1_7	YUTAU	Mono 7
## CTACGTCAGTTACCCA.1_7	YUTAU	NK 2
## CTACGTCCAACGATGG.1_7	YUTAU	CD4T 3
## CTACGTCCAAGGTTCT.1_7	YUTAU	Mono 7
## CTACGTCCATCGGGTC.1_7	YUTAU	NK 3
## CTACGTCTGCTGTAT.1_7	YUTAU	Mono 9

## CTACGTCGTTCCATGA.1_7	YUTAU	Mono 9
## CTACGTCTCAAACGGG.1_7	YUTAU	CD8T 2
## CTACGTCTCATGCTCC.1_7	YUTAU	Mono 4
## CTACGTCTCGGAAACG.1_7	YUTAU	Mono 3
## CTAGAGTAGATCCCGC.1_7	YUTAU	Mono 6
## CTAGAGTCAAAGCAAT.1_7	YUTAU	B 1
## CTAGAGTCACATTTCT.1_7	YUTAU	CD4T 5
## CTAGAGTCATGAACCT.1_7	YUTAU	DC 1
## CTAGAGTGACCTACA.1_7	YUTAU	NK 4
## CTAGAGTGTTAAGAAC.1_7	YUTAU	CD4T 1
## CTAGAGTTCAACACGT.1_7	YUTAU	B 1
## CTAGAGTTCAACCAAC.1_7	YUTAU	B 2
## CTAGAGTTCATCACCC.1_7	YUTAU	DC 1
## CTAGAGTTCTCCCTGA.1_7	YUTAU	Mono 6
## CTAGCCTAGATGCCAG.1_7	YUTAU	Mono 6
## CTAGCCTCACATGGGA.1_7	YUTAU	Mono 6
## CTAGCCTCAGCATGAG.1_7	YUTAU	Mono 2
## CTAGCCTCATGCCGA.1_7	YUTAU	Mono 7
## CTAGCCTCATGGAATA.1_7	YUTAU	CD8T 2
## CTAGCCTGTGGTCCGT.1_7	YUTAU	Mono 7
## CTAGCCTTCAAAGTC.1_7	YUTAU	Mono 3
## CTAGCCTTCCCTTGTG.1_7	YUTAU	NK 1
## CTAGCCTTCTATGTGG.1_7	YUTAU	Mono 7
## CTAGCCTTCTTGACGA.1_7	YUTAU	Mono 7
## CTAGTGAAGATGTAAC.1_7	YUTAU	B 2
## CTAGTGAAGCCCAATT.1_7	YUTAU	DC 1
## CTAGTGAAGGATATAC.1_7	YUTAU	CD4T 5
## CTAGTGAAGGCACATG.1_7	YUTAU	Mono 4
## CTAGTGAAGGCTAGAC.1_7	YUTAU	CD4T 4
## CTAGTGACAACACCCG.1_7	YUTAU	Mono 9
## CTAGTGACAAGCTGAG.1_7	YUTAU	CD4T 5
## CTAGTGACACCCAGTG.1_7	YUTAU	Mono 4
## CTAGTGAGTGGACGAT.1_7	YUTAU	Mono 5
## CTAGTGATCCCTCTTT.1_7	YUTAU	NK 3
## CTAGTGATCCGTAGGC.1_7	YUTAU	NK 2
## CTAGTGATCGGCTACG.1_7	YUTAU	DC 1
## CTCACACAGAAGCCCA.1_7	YUTAU	CD4T 3
## CTCACACAGAGACTAT.1_7	YUTAU	Mono 6
## CTCACACAGCGGCTTC.1_7	YUTAU	CD4T 1
## CTCACACAGGCTCTTA.1_7	YUTAU	Mono 6
## CTCACACAGTTAGGTA.1_7	YUTAU	Mono 7
## CTCACACCAAACAACA.1_7	YUTAU	Mono 4
## CTCACACCACCGGAAA.1_7	YUTAU	CD4T 5
## CTCACACGTATGGTTC.1_7	YUTAU	CD8T 1
## CTCACACTCAAGATCC.1_7	YUTAU	DC 1
## CTCACACTCCATGCTC.1_7	YUTAU	Mono 7
## CTCACACTCTGGAGCC.1_7	YUTAU	TNKT 2
## CTCAGAAAGTAACCCT.1_7	YUTAU	Mono 4
## CTCAGAACAAAGCTGGA.1_7	YUTAU	CD8T 1
## CTCAGAACAAAGTCATC.1_7	YUTAU	Mono 3
## CTCAGAACAGAGCCAA.1_7	YUTAU	Mono 8
## CTCAGAACAGCCTGTG.1_7	YUTAU	CD4T 2
## CTCAGAAAGTCTGGAGA.1_7	YUTAU	Mono 7
## CTCAGAAAGTGCCTGGT.1_7	YUTAU	Mono 6

## CTCAGAAGTTAGGGTG.1_7	YUTAU	CD4T 5
## CTCAGAATCACAATGC.1_7	YUTAU	NK 1
## CTCAGAATCCAACTG.1_7	YUTAU	NK 1
## CTCATTAAGACTAGAT.1_7	YUTAU	DC 1
## CTCATTAAGAGTACAT.1_7	YUTAU	NK 1
## CTCATTAAGGCACATG.1_7	YUTAU	CD8T 1
## CTCATTAAGTGGAGAA.1_7	YUTAU	CD4T 5
## CTCATTACAGCTGCTG.1_7	YUTAU	NK 1
## CTCATTAGTGACCAAG.1_7	YUTAU	CD8T 1
## CTCATTATCATTATCC.1_7	YUTAU	B 2
## CTCATTATCGCAAGCC.1_7	YUTAU	B 1
## CTCATTATCTGTCTCG.1_7	YUTAU	CD4T 4
## CTCCTAGAGAAGGACA.1_7	YUTAU	Mono 7
## CTCCTAGCAACACCCG.1_7	YUTAU	Mono 2
## CTCCTAGCAGATAATG.1_7	YUTAU	CD4T 6
## CTCCTAGGTGGTAACG.1_7	YUTAU	CD4T 6
## CTCCTAGGTGTAATGA.1_7	YUTAU	Mono 9
## CTCGAAAAGTCAATAG.1_7	YUTAU	CD4T 2
## CTCGAAACAAATACAG.1_7	YUTAU	Mono 4
## CTCGAAACAATCTACG.1_7	YUTAU	CD4T 5
## CTCGAAACAGCGATCC.1_7	YUTAU	CD8T 1
## CTCGAAAGTAAGTGTA.1_7	YUTAU	Mono 6
## CTCGAAAGTGTGGGA.1_7	YUTAU	Mono 5
## CTCGAAATCCAAATGC.1_7	YUTAU	CD4T 3
## CTCGAAATCCATGCTC.1_7	YUTAU	Mono 7
## CTCGAAATCTAGCACA.1_7	YUTAU	Mono 9
## CTCGAAATCTCACATT.1_7	YUTAU	CD4T 7
## CTCGAGGAGCATGGCA.1_7	YUTAU	DC 1
## CTCGAGGAGTTACGGG.1_7	YUTAU	DC 1
## CTCGAGGCACTGTCTGG.1_7	YUTAU	Mono 3
## CTCGAGGCAGGACCCT.1_7	YUTAU	TNKT 1
## CTCGAGGCATTTGCCC.1_7	YUTAU	Mono 1
## CTCGAGGGTCATATGC.1_7	YUTAU	CD8T 1
## CTCGAGGGTCCACGG.1_7	YUTAU	Mono 7
## CTCGAGGTCATTGCCC.1_7	YUTAU	CD4T 5
## CTCGAGGTCTTGCAAT.1_7	YUTAU	Mono 7
## CTCGGAGCACTTGAT.1_7	YUTAU	CD4T 6
## CTCGGAGCAGCATGAG.1_7	YUTAU	Mono 6
## CTCGGAGGTAACGACG.1_7	YUTAU	CD4T 1
## CTCGGAGGTAAGGGAA.1_7	YUTAU	CD4T 2
## CTCGGAGGTTACGGC.1_7	YUTAU	Mono 1
## CTCGGAGGTTGGAGGT.1_7	YUTAU	Mono 7
## CTCGGGAAGATGCCAG.1_7	YUTAU	Mono 7
## CTCGGGAAGCCGAAA.1_7	YUTAU	Mono 8
## CTCGGGACAAGGACTG.1_7	YUTAU	CD4T 7
## CTCGGGACAATAAGCA.1_7	YUTAU	Mono 3
## CTCGGGACACCCATTC.1_7	YUTAU	Mono 4
## CTCGGGAGTATAAACG.1_7	YUTAU	Mono 3
## CTCGGGATCATCACCC.1_7	YUTAU	Mono 9
## CTCGGGATCCAATGGT.1_7	YUTAU	Mono 7
## CTCGTACAGTGAACGC.1_7	YUTAU	CD4T 7
## CTCGTACCAAAGGCGT.1_7	YUTAU	NK 1
## CTCGTACCAAGCCTAT.1_7	YUTAU	CD4T 1
## CTCGTACCACGAAGCA.1_7	YUTAU	TNKT 2

## CTCGTACGTCCAGTTA.1_7	YUTAU	NK 3
## CTCGTACGTTTGTTGG.1_7	YUTAU	Mono 7
## CTCGTACTCAGCTCTC.1_7	YUTAU	B 1
## CTCGTACTCGCAAAC.1_7	YUTAU	B 2
## CTCGTCAAGACTGGGT.1_7	YUTAU	Mono 6
## CTCGTCAAGCCACGCT.1_7	YUTAU	Mono 7
## CTCGTCAACAAGCGCTC.1_7	YUTAU	CD4T 3
## CTCGTCAACACAGAG.1_7	YUTAU	Mono 7
## CTCGTCAACAGAAATA.1_7	YUTAU	B 1
## CTCGTCAACAGACGAA.1_7	YUTAU	Mono 6
## CTCGTCAAGTGGGAG.1_7	YUTAU	Mono 4
## CTCGTCACTACTATTC.1_7	YUTAU	Mono 3
## CTCGTCACTCACTCCA.1_7	YUTAU	Mono 3
## CTCTAATAGCCCAACC.1_7	YUTAU	TNKT 1
## CTCTAATAGGGTTCCC.1_7	YUTAU	Mono 6
## CTCTAATAGTAGGCCA.1_7	YUTAU	Mono 6
## CTCTAATCAAGCTGGA.1_7	YUTAU	CD8T 1
## CTCTAATCACCATCCT.1_7	YUTAU	Mono 4
## CTCTAATCAGCTGCAC.1_7	YUTAU	Mono 6
## CTCTAATCATGACGGA.1_7	YUTAU	Mono 7
## CTCTAATGTAACGACG.1_7	YUTAU	Mono 3
## CTCTAATGTGCACGAA.1_7	YUTAU	Mono 1
## CTCTAATGTGTATGGG.1_7	YUTAU	CD4T 2
## CTCTAATTCAGGCCTA.1_7	YUTAU	Mono 4
## CTCTAATTCAGCGACC.1_7	YUTAU	DC 1
## CTCTAATTCGGCTTGG.1_7	YUTAU	Mono 3
## CTCTACGAGATCCCGC.1_7	YUTAU	Mono 9
## CTCTACGAGATGTTAG.1_7	YUTAU	CD8T 1
## CTCTACGAGCACCGTC.1_7	YUTAU	B 1
## CTCTACGCAATGACCT.1_7	YUTAU	Mono 7
## CTCTACGCACCGCTAG.1_7	YUTAU	CD4T 5
## CTCTACGCAGGATTGG.1_7	YUTAU	Mono 7
## CTCTACGCATCATCCC.1_7	YUTAU	TNKT 2
## CTCTACGGTACGAAAT.1_7	YUTAU	CD4T 6
## CTCTACGGTCGAACAG.1_7	YUTAU	DC 1
## CTCTACGGTGACTACT.1_7	YUTAU	CD4T 2
## CTCTACGGTTACAGAA.1_7	YUTAU	Mono 7
## CTCTACGTCATTATCC.1_7	YUTAU	B 2
## CTCTACGTCTAACTGG.1_7	YUTAU	CD4T 5
## CTCTGGTAGCCAACAG.1_7	YUTAU	Mono 3
## CTCTGGTAGCCCTAAT.1_7	YUTAU	NK 3
## CTCTGGTAGCTATGCT.1_7	YUTAU	B 1
## CTCTGGTAGGATTCGG.1_7	YUTAU	CD4T 5
## CTCTGGTAGGGTTCCC.1_7	YUTAU	Mono 1
## CTCTGGTCAATGTTGC.1_7	YUTAU	Mono 7
## CTCTGGTCACAACTGT.1_7	YUTAU	Mono 3
## CTCTGGTCATGACATC.1_7	YUTAU	CD4T 3
## CTCTGGTGTAATAGCA.1_7	YUTAU	DC 1
## CTCTGGTGTCATCCCT.1_7	YUTAU	TNKT 2
## CTCTGGTGTCATGCAT.1_7	YUTAU	Mono 8
## CTCTGGTTCAGGCAAG.1_7	YUTAU	CD4T 1
## CTCTGGTCTGCAGTA.1_7	YUTAU	DC 1
## CTGAAACAGAGGTACC.1_7	YUTAU	CD4T 5
## CTGAAACAGTTCGCAT.1_7	YUTAU	Mono 3

## CTGAAACGTATAGGTA.1_7	YUTAU	TNKT 1
## CTGAAACGTCACAAGG.1_7	YUTAU	NK 3
## CTGAAACGTCGCCATG.1_7	YUTAU	Mono 3
## CTGAAACGTTCTCCA.1_7	YUTAU	NK 1
## CTGAAACTCAAAGACA.1_7	YUTAU	Mono 3
## CTGAAACTCAACTCTT.1_7	YUTAU	TNKT 1
## CTGAAACTCGCCAGCA.1_7	YUTAU	CD4T 4
## CTGAAACTCGGCGGTT.1_7	YUTAU	Mono 8
## CTGAAGTAGAGTGAGA.1_7	YUTAU	CD8T 2
## CTGAAGTAGATCCCAT.1_7	YUTAU	NK 3
## CTGAAGTAGCCGTCGT.1_7	YUTAU	Mono 8
## CTGAAGTAGGGCTTCC.1_7	YUTAU	Mono 6
## CTGAAGTAGTGGTAGC.1_7	YUTAU	CD4T 7
## CTGAAGTCAATCCGAT.1_7	YUTAU	CD4T 3
## CTGAAGTCACAGCCCA.1_7	YUTAU	CD4T 6
## CTGAAGTCAGACACTT.1_7	YUTAU	TNKT 1
## CTGAAGTCAGTCCTTC.1_7	YUTAU	Mono 7
## CTGAAGTCATCACCCT.1_7	YUTAU	NK 3
## CTGAAGTCATGCTGGC.1_7	YUTAU	Mono 3
## CTGAAGTGCATCCCT.1_7	YUTAU	CD4T 5
## CTGAAGTGTATCACG.1_7	YUTAU	Mono 7
## CTGAAGTTCACCCTCA.1_7	YUTAU	Mono 9
## CTGATAGAGATGCGAC.1_7	YUTAU	NK 4
## CTGATAGCAACTTGAC.1_7	YUTAU	Mono 5
## CTGATAGCAAGCCTAT.1_7	YUTAU	Mono 3
## CTGATAGCACATCCAA.1_7	YUTAU	Mono 4
## CTGATAGCAGTAGAGC.1_7	YUTAU	Mono 6
## CTGATAGCATTCACTT.1_7	YUTAU	B 1
## CTGATAGGTTGGTAAA.1_7	YUTAU	Mono 8
## CTGATAGTCCCTGACT.1_7	YUTAU	Mono 7
## CTGATCCAGATATGGT.1_7	YUTAU	CD4T 1
## CTGATCCAGGGCATGT.1_7	YUTAU	CD4T 1
## CTGATCCAGTACACCT.1_7	YUTAU	TNKT 2
## CTGATCCAGTAGGCCA.1_7	YUTAU	TNKT 2
## CTGATCCAGTCCATAC.1_7	YUTAU	Mono 7
## CTGATCCAGTCTCCTC.1_7	YUTAU	Mono 3
## CTGATCCCACGCGAAA.1_7	YUTAU	NK 2
## CTGATCCGTCAAAGAT.1_7	YUTAU	CD4T 5
## CTGATCCTCATCATTC.1_7	YUTAU	CD8T 1
## CTGATCCTCTTTAGGG.1_7	YUTAU	DC 1
## CTGCCTAAGACCTAGG.1_7	YUTAU	Mono 9
## CTGCCTAAGATCGGGT.1_7	YUTAU	CD4T 3
## CTGCCTAAGCTAGCCC.1_7	YUTAU	CD4T 6
## CTGCCTAAGTGATCGG.1_7	YUTAU	Mono 6
## CTGCCTACACATAACC.1_7	YUTAU	TNKT 2
## CTGCCTAGTGATAAAC.1_7	YUTAU	Mono 3
## CTGCCTATCGGAAACG.1_7	YUTAU	TNKT 2
## CTGCCTATCGGAGCAA.1_7	YUTAU	CD4T 3
## CTGCGGACAACAACCT.1_7	YUTAU	Mono 7
## CTGCGGAGTAAATGAC.1_7	YUTAU	Mono 7
## CTGCGGAGTGCAGACA.1_7	YUTAU	CD4T 4
## CTGCGGATCAGCATGT.1_7	YUTAU	Mono 7
## CTGCGGATCTGACCTC.1_7	YUTAU	DC 1
## CTGCGGATCTTTAGTC.1_7	YUTAU	CD8T 1

## CTGCTGTAGACAAAGG.1_7	YUTAU	CD4T 6
## CTGCTGTAGACAATAC.1_7	YUTAU	CD4T 5
## CTGCTGTAGTAGGTGC.1_7	YUTAU	Mono 7
## CTGCTGTCACGCCAGT.1_7	YUTAU	B 1
## CTGCTGTCAGCCTTGG.1_7	YUTAU	Mono 3
## CTGCTGTGTAAGAGAG.1_7	YUTAU	Mono 6
## CTGCTGTGTCATACTG.1_7	YUTAU	Mono 7
## CTGCTGTGTGCTAGCC.1_7	YUTAU	CD4T 4
## CTGCTGTTCGAACTGT.1_7	YUTAU	Mono 7
## CTGGTCTAGGACCACA.1_7	YUTAU	Mono 1
## CTGGTCTAGGCTAGCA.1_7	YUTAU	CD4T 5
## CTGGTCTAGGGTTTCT.1_7	YUTAU	CD4T 4
## CTGGTCTCACAACGT.1_7	YUTAU	CD4T 3
## CTGGTCTCATCCGTGG.1_7	YUTAU	CD4T 7
## CTGGTCTGTACAGTTC.1_7	YUTAU	Mono 7
## CTGGTCTTCAATAAGG.1_7	YUTAU	NK 3
## CTGGTCTTCCGTCATC.1_7	YUTAU	CD4T 3
## CTGGTCTTCGACCAGC.1_7	YUTAU	CD4T 6
## CTGGTCTTCTATCGCC.1_7	YUTAU	Mono 6
## CTGGTCTTCTGAGTGT.1_7	YUTAU	Mono 6
## CTGTGCTAGACAATAC.1_7	YUTAU	Mono 9
## CTGTGCTAGGGTATCG.1_7	YUTAU	CD4T 2
## CTGTGCTAGTGAAGAG.1_7	YUTAU	NK 1
## CTGTGCTAGTGGCACA.1_7	YUTAU	Mono 4
## CTGTGCTGTCAGATAA.1_7	YUTAU	NK 1
## CTGTGCTGTCTTGATG.1_7	YUTAU	CD4T 1
## CTGTGCTGTGAGGGAG.1_7	YUTAU	NK 1
## CTGTGCTTCAAACGGG.1_7	YUTAU	TNKT 1
## CTGTGCTTCACAGGCC.1_7	YUTAU	CD4T 5
## CTGTGCTTCCCGACTT.1_7	YUTAU	CD4T 5
## CTGTGCTTCCCTTGTTG.1_7	YUTAU	Mono 7
## CTGTTTAAGACCTAGG.1_7	YUTAU	Mono 4
## CTGTTTACAATGACCT.1_7	YUTAU	Mono 4
## CTGTTTACACGTCAGC.1_7	YUTAU	Mono 5
## CTGTTTACATTTGCC.1_7	YUTAU	CD4T 6
## CTGTTTAGTATATGAG.1_7	YUTAU	TNKT 1
## CTGTTTAGTCAGTGGA.1_7	YUTAU	B 2
## CTGTTTAGTGCTAGCC.1_7	YUTAU	Mono 3
## CTGTTTAGTGTTAAGA.1_7	YUTAU	Mono 4
## CTGTTTATCAACGGCC.1_7	YUTAU	CD4T 5
## CTAACTAGGGATGGG.1_7	YUTAU	Mono 4
## CTAACTAGTAGATGT.1_7	YUTAU	CD4T 1
## CTAACTACCAACCG.1_7	YUTAU	Mono 7
## CTAACTACCCACGTG.1_7	YUTAU	Mono 9
## CTAACTGTCCGTGAC.1_7	YUTAU	Mono 3
## CTAACTCCGATATG.1_7	YUTAU	TNKT 1
## CTAACTTCTCCGTT.1_7	YUTAU	NK 3
## CTTACCGAGACCGTC.1_7	YUTAU	CD4T 5
## CTTACCGCAAGTTGTC.1_7	YUTAU	Mono 6
## CTTACCGCATTCCTCG.1_7	YUTAU	Mono 7
## CTTACCGGTGGTGTAG.1_7	YUTAU	Mono 7
## CTTACCGTCCGCGGTA.1_7	YUTAU	Mono 3
## CTTACCGTCTGGTTCC.1_7	YUTAU	Mono 3
## CTTAGGACAGACGCTC.1_7	YUTAU	DC 1

## CTTAGGAGTACTTGAC.1_7	YUTAU	NK 2
## CTTAGGATCATTGCCC.1_7	YUTAU	Mono 7
## CTTAGGATCTCTGCTG.1_7	YUTAU	Mono 3
## CTTCTCTAGCGATCCC.1_7	YUTAU	NK 3
## CTTCTCTAGCGTAATA.1_7	YUTAU	Mono 5
## CTTCTCTAGGATCGCA.1_7	YUTAU	B 1
## CTTCTCTCACGCGAAA.1_7	YUTAU	DC 1
## CTTCTCTGTTATCACG.1_7	YUTAU	NK 2
## CTTCTCTGTTCCAACA.1_7	YUTAU	CD8T 1
## CTTCTCTGTTGATTCTG.1_7	YUTAU	CD4T 3
## CTTCTCTTCGAACTGT.1_7	YUTAU	CD4T 1
## CTTCTCTTCGGAACG.1_7	YUTAU	CD4T 4
## CTTCTCTTCGGAATA.1_7	YUTAU	DC 1
## CTTGGCTAGATCCCAT.1_7	YUTAU	DC 1
## CTTGGCTAGCACAGGT.1_7	YUTAU	CD4T 3
## CTTGGCTCACAGCCCA.1_7	YUTAU	Mono 7
## CTTGGCTCAGCGAACA.1_7	YUTAU	Mono 1
## CTTGGCTCATCGGGTC.1_7	YUTAU	CD4T 1
## CTTGGCTGTAATCACC.1_7	YUTAU	Mono 5
## CTTGGCTGTTACGACT.1_7	YUTAU	Mono 3
## CTTGGCTTCGAGCCCA.1_7	YUTAU	CD4T 6
## CTTTGCGGAGACTGTAA.1_7	YUTAU	Mono 4
## CTTTGCGCAATGAATG.1_7	YUTAU	Mono 7
## CTTTGCGCACAGGTTT.1_7	YUTAU	Mono 7
## CTTTGCGGTACGACCC.1_7	YUTAU	Mono 1
## CTTTGCGGTGCGAAAGC.1_7	YUTAU	Mono 5
## CTTTGCGGTGTGTGCC.1_7	YUTAU	CD8T 1
## CTTTGCGTCAGCTCTC.1_7	YUTAU	B 1
## CTTTGCGTCTGGCGAC.1_7	YUTAU	Mono 7
## GAAACTCAGAACAAC.1_7	YUTAU	Mono 6
## GAAACTCAGCCTATGT.1_7	YUTAU	CD4T 4
## GAAACTCAGTGCTGCC.1_7	YUTAU	Mono 7
## GAAACTCCAGCTCGAC.1_7	YUTAU	CD4T 1
## GAAACTCCAGTGGGAT.1_7	YUTAU	Mono 9
## GAAACTCGTCGACTAT.1_7	YUTAU	CD4T 1
## GAAACTCGTGCAGACA.1_7	YUTAU	Mono 7
## GAAACTCTCCACTGGG.1_7	YUTAU	CD4T 5
## GAAACTCTCCGCATCT.1_7	YUTAU	Mono 8
## GAAACTCTCGCAAAC.1_7	YUTAU	CD4T 5
## GAAACTCTCGGTCCGA.1_7	YUTAU	Mono 3
## GAAACTCTCTATCGCC.1_7	YUTAU	CD4T 1
## GAAATGACAAGACACG.1_7	YUTAU	NK 1
## GAAATGACACAGTCGC.1_7	YUTAU	CD4T 3
## GAAATGATCACTCCTG.1_7	YUTAU	Mono 7
## GAAATGATCCCAACGG.1_7	YUTAU	Mono 6
## GAAATGATCGACGGAA.1_7	YUTAU	NK 2
## GAACATCAGAAACGAG.1_7	YUTAU	Mono 6
## GAACATCAGATCGATA.1_7	YUTAU	Mono 1
## GAACATCAGGCTAGCA.1_7	YUTAU	Mono 7
## GAACATCCAGTCAGAG.1_7	YUTAU	CD4T 3
## GAACATCCAGTGGAGT.1_7	YUTAU	CD4T 3
## GAACATCCATGTCTCC.1_7	YUTAU	Mono 2
## GAACATCGTTAAAGTG.1_7	YUTAU	Mono 9
## GAACATCGTTAGGGTG.1_7	YUTAU	Mono 1

## GAACATCGTTGTCGCG.1_7	YUTAU	B 1
## GAACATCTCACCCGAG.1_7	YUTAU	CD8T 1
## GAACATCTCCTCAATT.1_7	YUTAU	Mono 5
## GAACCTAAGATAGTCA.1_7	YUTAU	CD8T 1
## GAACCTAAGGCCCTCA.1_7	YUTAU	Mono 6
## GAACCTACAGGTCCAC.1_7	YUTAU	CD4T 3
## GAACCTAGTACACCGC.1_7	YUTAU	CD4T 3
## GAACCTAGTCTCTCGT.1_7	YUTAU	CD8T 1
## GAACCTAGTGACAAAT.1_7	YUTAU	CD4T 1
## GAACCTAGTGACTACT.1_7	YUTAU	Mono 3
## GAACCTATCACCTCA.1_7	YUTAU	NK 3
## GAACCTATCGAGAGCA.1_7	YUTAU	Mono 6
## GAACCTATCTAGCACA.1_7	YUTAU	Mono 3
## GAACCTATCTGGAGCC.1_7	YUTAU	CD4T 3
## GAACGGAAGATAGGAG.1_7	YUTAU	Mono 6
## GAACGGACAAAGTCAA.1_7	YUTAU	Mono 7
## GAACGGACACCGAAAG.1_7	YUTAU	TNKT 2
## GAACGGAGTAGTGAAT.1_7	YUTAU	Mono 6
## GAACGGAGTATGAAAC.1_7	YUTAU	CD4T 5
## GAACGGAGTCATACTG.1_7	YUTAU	B 1
## GAACGGATCTGCAAGT.1_7	YUTAU	Mono 5
## GAAGCAGAGGCCCTCA.1_7	YUTAU	CD4T 4
## GAAGCAGCACTTGGAT.1_7	YUTAU	CD4T 1
## GAAGCAGGTAAGGGCT.1_7	YUTAU	Mono 6
## GAAGCAGGTCACCTAA.1_7	YUTAU	CD4T 3
## GAAGCAGGTGTAAGTA.1_7	YUTAU	Mono 8
## GAAGCAGTCAGCCTAA.1_7	YUTAU	Mono 3
## GAAGCAGTCCCTAATT.1_7	YUTAU	TNKT 2
## GAAGCAGTCCGCGCA.1_7	YUTAU	Mono 5
## GAATAAGCACGCCAGT.1_7	YUTAU	Mono 3
## GAATAAGCAGATGAGC.1_7	YUTAU	TNKT 2
## GAATAAGCAGGACCCT.1_7	YUTAU	Mono 9
## GAATAAGCAGTAAGAT.1_7	YUTAU	Mono 5
## GAATAAGCATCTACGA.1_7	YUTAU	CD8T 1
## GAATAAGCATGTTCCC.1_7	YUTAU	Mono 3
## GAATAAGGTACTCAAC.1_7	YUTAU	Mono 1
## GAATAAGGTAGAAAGG.1_7	YUTAU	NK 1
## GAATAAGTCATCACCC.1_7	YUTAU	CD4T 7
## GAATAAGTCTCCAACC.1_7	YUTAU	Mono 3
## GAATAAGTCTTGCAAT.1_7	YUTAU	CD4T 5
## GAATGAAAGACCCACC.1_7	YUTAU	TNKT 2
## GAATGAAAGATACACA.1_7	YUTAU	Mono 7
## GAATGAACATACCATG.1_7	YUTAU	CD4T 4
## GAATGAACATCCGCGA.1_7	YUTAU	CD4T 5
## GAATGAACATGTCTCC.1_7	YUTAU	Mono 9
## GAATGAAGTCAGAAGC.1_7	YUTAU	CD8T 1
## GAATGAATCTATCCCG.1_7	YUTAU	TNKT 1
## GACACGCAGAGATGAG.1_7	YUTAU	Mono 3
## GACACGCAGGCACATG.1_7	YUTAU	Mono 5
## GACACGCCATCGTCGG.1_7	YUTAU	Mono 6
## GACACGCCATGGTTGT.1_7	YUTAU	CD4T 3
## GACACGCGTATCAGTC.1_7	YUTAU	B 2
## GACACGCGTCCCGAG.1_7	YUTAU	NK 2
## GACACGCTCAGGCCCA.1_7	YUTAU	Mono 3

## GACACGCTCCCTAATT.1_7	YUTAU	Mono 7
## GACACGCTCGCACTCT.1_7	YUTAU	CD8T 3
## GACAGAGAGCCCAGCT.1_7	YUTAU	TNKT 1
## GACAGAGCATCCAACA.1_7	YUTAU	Mono 7
## GACAGAGGTCAGTGGA.1_7	YUTAU	CD4T 5
## GACAGAGGTCATCCCT.1_7	YUTAU	Mono 7
## GACAGAGGTGCAACGA.1_7	YUTAU	B 1
## GACAGAGTCAAACCGT.1_7	YUTAU	Mono 6
## GACAGAGTCCGTAGGC.1_7	YUTAU	Mono 8
## GACCAATAGATGCCAG.1_7	YUTAU	Mono 7
## GACCAATAGCGATAGC.1_7	YUTAU	Mono 3
## GACCAATAGGGCACTA.1_7	YUTAU	Mono 7
## GACCAATCAAGCTGAG.1_7	YUTAU	TNKT 1
## GACCAATCACCATCCT.1_7	YUTAU	Mono 4
## GACCAATCACTTGGAT.1_7	YUTAU	CD4T 6
## GACCAATCAGTAAGCG.1_7	YUTAU	B 1
## GACCAATGTCCAGTGC.1_7	YUTAU	Mono 9
## GACCAATGTGACTACT.1_7	YUTAU	CD4T 6
## GACCAATGTTCCCTTG.1_7	YUTAU	CD4T 6
## GACCAATTCAAAGACA.1_7	YUTAU	Mono 6
## GACCAATTCAACGGCC.1_7	YUTAU	CD4T 5
## GACCAATTCAGCCTAA.1_7	YUTAU	Mono 7
## GACCAATTCATGCTCC.1_7	YUTAU	TNKT 1
## GACCTGGAGACCTAGG.1_7	YUTAU	CD8T 2
## GACCTGGAGACGCACA.1_7	YUTAU	CD4T 1
## GACCTGGAGATGCCAG.1_7	YUTAU	TNKT 2
## GACCTGGAGATGCCTT.1_7	YUTAU	Mono 7
## GACCTGGAGTACGCCC.1_7	YUTAU	Mono 3
## GACCTGGCAACACCCG.1_7	YUTAU	NK 4
## GACCTGGCAGCCACCA.1_7	YUTAU	Mono 7
## GACCTGGCAGGGAGAG.1_7	YUTAU	CD4T 6
## GACCTGGCATGGAATA.1_7	YUTAU	TNKT 2
## GACCTGGGTACATGTC.1_7	YUTAU	Mono 6
## GACCTGGGTGCTAGCC.1_7	YUTAU	Mono 2
## GACCTGGTCATCATTC.1_7	YUTAU	Mono 3
## GACGCGTAGATGTTAG.1_7	YUTAU	B 1
## GACGCGTAGTAGATGT.1_7	YUTAU	Mono 6
## GACGCGTTCGCATGAT.1_7	YUTAU	Mono 5
## GACGCGTTCGGTCTAA.1_7	YUTAU	Mono 7
## GACGCGTTCCTGGGTA.1_7	YUTAU	CD4T 3
## GACGGCTAGCCACGCT.1_7	YUTAU	Mono 5
## GACGGCTCAACTTGAC.1_7	YUTAU	Mono 6
## GACGGCTGTAGCTGCC.1_7	YUTAU	CD8T 3
## GACGGCTTCAACGGGA.1_7	YUTAU	Mono 7
## GACGGCTTCGCATGAT.1_7	YUTAU	Mono 7
## GACGGCTTCTGCCCTA.1_7	YUTAU	CD4T 7
## GACGTGCAGGGCTCTC.1_7	YUTAU	NK 1
## GACGTGCCAAATCCGT.1_7	YUTAU	CD4T 1
## GACGTGCCACTGTGTA.1_7	YUTAU	B 1
## GACGTGCGTAACGACG.1_7	YUTAU	CD8T 1
## GACGTGCGTTAGGGTG.1_7	YUTAU	Mono 4
## GACGTGCTCGCCCTTA.1_7	YUTAU	CD4T 2
## GACGTGCTCTCTAGGA.1_7	YUTAU	Mono 5
## GACGTTAAGAATTCCC.1_7	YUTAU	Mono 2

## GACGTTAAGGCCCGTT.1_7	YUTAU	CD4T 2
## GACGTTAAGTGGGATC.1_7	YUTAU	TNKT 2
## GACGTTACACGAGAGT.1_7	YUTAU	CD8T 1
## GACGTTACAGACGCAA.1_7	YUTAU	CD8T 3
## GACGTTACATGGGAAC.1_7	YUTAU	CD4T 5
## GACGTTACATGTCGAT.1_7	YUTAU	B 4
## GACGTTAGTACTTCTT.1_7	YUTAU	B 1
## GACGTTAGTCGCGTGT.1_7	YUTAU	Mono 7
## GACGTTAGTCTCTCTG.1_7	YUTAU	Mono 5
## GACGTTAGTGATAAGT.1_7	YUTAU	Mono 3
## GACGTTATCACTTCAT.1_7	YUTAU	CD4T 5
## GACGTTATCTCGAGTA.1_7	YUTAU	Mono 2
## GACTAACAGAAGCCCA.1_7	YUTAU	Mono 1
## GACTAACAGCATCATC.1_7	YUTAU	Mono 4
## GACTAACCAATAAGCA.1_7	YUTAU	CD4T 5
## GACTAACCAATGGACG.1_7	YUTAU	CD4T 5
## GACTAACCCCCATGG.1_7	YUTAU	CD4T 7
## GACTAACGTGAAATCA.1_7	YUTAU	CD4T 6
## GACTAACTACCGGGT.1_7	YUTAU	Mono 6
## GACTAACTCAGTGTTG.1_7	YUTAU	CD4T 5
## GACTACAAGTACATGA.1_7	YUTAU	CD4T 5
## GACTACACAAAGGAAG.1_7	YUTAU	TNKT 2
## GACTACACAGGTGCCT.1_7	YUTAU	CD4T 2
## GACTACAGTACAGTTC.1_7	YUTAU	CD8T 1
## GACTACAGTACCATCA.1_7	YUTAU	Mono 4
## GACTACAGTACCGAGA.1_7	YUTAU	TNKT 1
## GACTACAGTATATCCG.1_7	YUTAU	TNKT 1
## GACTACAGTTATCACG.1_7	YUTAU	Mono 3
## GACTGCGAGAGCCCAA.1_7	YUTAU	Mono 3
## GACTGCGAGCCCAACC.1_7	YUTAU	TNKT 2
## GACTGCGAGGATCGCA.1_7	YUTAU	Mono 6
## GACTGCGCACCCATGG.1_7	YUTAU	Mono 5
## GACTGCGCATGTTCCC.1_7	YUTAU	CD4T 1
## GACTGCGGTCTCTCTG.1_7	YUTAU	B 1
## GACTGCGGTACGGAG.1_7	YUTAU	CD8T 1
## GACTGCGTCAATCACG.1_7	YUTAU	CD4T 5
## GACTGCGTCTGCTGTC.1_7	YUTAU	Mono 7
## GAGCAGAAGGCTAGAC.1_7	YUTAU	Mono 7
## GAGCAGATCACCGTAA.1_7	YUTAU	Mono 3
## GAGCAGATCGCCCTTA.1_7	YUTAU	CD4T 6
## GAGGTGAAGACTTGAA.1_7	YUTAU	CD8T 2
## GAGGTGACACGGTAAG.1_7	YUTAU	CD4T 1
## GAGGTGACAGTCGATT.1_7	YUTAU	CD4T 1
## GAGGTGAGTAAAGGAG.1_7	YUTAU	Mono 7
## GAGGTGAGTAACGCGA.1_7	YUTAU	NK 1
## GAGGTGAGTACTTGAC.1_7	YUTAU	Mono 7
## GAGGTGAGTATAGGTA.1_7	YUTAU	TNKT 1
## GAGGTGATCTGGTGTA.1_7	YUTAU	Mono 7
## GAGTCCGAGTACATGA.1_7	YUTAU	CD4T 1
## GAGTCCGCACACGCTG.1_7	YUTAU	CD4T 4
## GAGTCCGCACCATCCT.1_7	YUTAU	CD4T 6
## GAGTCCGCATCCGTGG.1_7	YUTAU	Mono 6
## GAGTCCGCATCCTTGC.1_7	YUTAU	CD4T 4
## GAGTCCGGTGACAAAT.1_7	YUTAU	CD8T 1

## GAGTCCGTCAAACCGT.1_7	YUTAU	B 1
## GAGTCCGTGAGCTCTC.1_7	YUTAU	B 1
## GAGTCCGTCTCCTAG.1_7	YUTAU	CD4T 5
## GAGTCCGTCTGTAGA.1_7	YUTAU	Mono 7
## GAGTCCGTCTCCCTGA.1_7	YUTAU	CD4T 4
## GAGTCCGTCTGACCTC.1_7	YUTAU	CD4T 5
## GAGTCCGTCTGGAGCC.1_7	YUTAU	Mono 9
## GATCAGTGTAAAGGGCT.1_7	YUTAU	Mono 7
## GATCAGTGTATCAGTC.1_7	YUTAU	Mono 7
## GATCAGTTTGAATGCT.1_7	YUTAU	CD4T 5
## GATCGATAGAGACTTA.1_7	YUTAU	Mono 7
## GATCGATCACTAAGTC.1_7	YUTAU	CD8T 2
## GATCGATCATCCCATC.1_7	YUTAU	B 2
## GATCGATGTCTAGCCG.1_7	YUTAU	CD4T 2
## GATCGATGTTAAGAAC.1_7	YUTAU	Mono 7
## GATCGATGTTAGAACA.1_7	YUTAU	NK 1
## GATCGATTGAGCTCGG.1_7	YUTAU	DC 1
## GATCGATTCCCTCAGT.1_7	YUTAU	Mono 3
## GATCGCGAGGGCTCTC.1_7	YUTAU	Mono 4
## GATCGCGGTAAGAGAG.1_7	YUTAU	Mono 4
## GATCGCGGTCTGGAGA.1_7	YUTAU	Mono 1
## GATCGCGTCTTTAGGG.1_7	YUTAU	Mono 3
## GATCGTAAGAAACCAT.1_7	YUTAU	CD4T 1
## GATCGTAAGACCTTTG.1_7	YUTAU	Mono 7
## GATCGTAAGATGTCGG.1_7	YUTAU	Mono 7
## GATCGTACATGCCCGA.1_7	YUTAU	NK 1
## GATCGTATCGGAAATA.1_7	YUTAU	Mono 5
## GATCTAGAGTACTTGC.1_7	YUTAU	Mono 8
## GATCTAGCACACTGCG.1_7	YUTAU	NK 1
## GATCTAGCAGCTGTAT.1_7	YUTAU	Mono 7
## GATCTAGCATCCGGGT.1_7	YUTAU	B 1
## GATCTAGGTACGCACC.1_7	YUTAU	CD8T 1
## GATCTAGGTATAGGTA.1_7	YUTAU	Mono 1
## GATCTAGTCAAAGACA.1_7	YUTAU	CD4T 5
## GATCTAGTCAAGAAGT.1_7	YUTAU	CD4T 5
## GATCTAGTCCGAAGAG.1_7	YUTAU	TNKT 2
## GATCTAGTCTCAAGTG.1_7	YUTAU	DC 1
## GATCTAGTCTTAGCCC.1_7	YUTAU	Mono 6
## GATGAAAAGATGTGTA.1_7	YUTAU	CD4T 5
## GATGAAACAAACTGTC.1_7	YUTAU	TNKT 1
## GATGAAACAAATCCGT.1_7	YUTAU	Mono 7
## GATGAAACACGCATCG.1_7	YUTAU	CD4T 2
## GATGAAACATAGGATA.1_7	YUTAU	Mono 7
## GATGAAACATGGAATA.1_7	YUTAU	Mono 8
## GATGAAAGTCCTCTTG.1_7	YUTAU	DC 1
## GATGAAAGTGTGAAAT.1_7	YUTAU	CD4T 5
## GATGAAATCCGTTGTC.1_7	YUTAU	Mono 7
## GATGAAATCTCCAGGG.1_7	YUTAU	Mono 9
## GATGAAATCTTTCCTC.1_7	YUTAU	B 1
## GATGAGGAGGAGTTGC.1_7	YUTAU	Mono 3
## GATGAGGCACCGTTGG.1_7	YUTAU	Mono 3
## GATGAGGCACTGCCAG.1_7	YUTAU	TNKT 1
## GATGAGGCAGGAACGT.1_7	YUTAU	Mono 7
## GATGAGGGTACTCAAC.1_7	YUTAU	CD4T 3

## GATGAGGGTGCACCTTA.1_7	YUTAU	NK 4
## GATGAGGGTTCGGGCT.1_7	YUTAU	NK 3
## GATGAGGTCAAAGTAG.1_7	YUTAU	TNKT 1
## GATGCTAAGTGGGTTG.1_7	YUTAU	B 2
## GATGCTACACCGAAAG.1_7	YUTAU	TNKT 2
## GATGCTACAGCATGAG.1_7	YUTAU	CD8T 1
## GATGCTACAGCCTTTC.1_7	YUTAU	CD8T 1
## GATGCTACAGCTGCTG.1_7	YUTAU	CD8T 1
## GATGCTACAGTCGTGC.1_7	YUTAU	Mono 1
## GATGCTATCCAACCAA.1_7	YUTAU	Mono 5
## GATGCTATCCTTTCTC.1_7	YUTAU	Mono 6
## GATTCAGAGATCTGCT.1_7	YUTAU	Mono 7
## GATTCAGAGTTTAGGA.1_7	YUTAU	CD4T 6
## GATTCAGCACAAAGCCC.1_7	YUTAU	Mono 9
## GATTCAGCACATAACC.1_7	YUTAU	NK 3
## GATTCAGCACAGGCT.1_7	YUTAU	Mono 6
## GATTCAGCATGAACCT.1_7	YUTAU	Mono 8
## GATTCAGCATGGGAAC.1_7	YUTAU	CD4T 1
## GATTCAGGTAACGCGA.1_7	YUTAU	Mono 3
## GATTCAGGTAATCGTC.1_7	YUTAU	B 1
## GATTCAGGTACTTGAC.1_7	YUTAU	TNKT 1
## GATTCAGTCAGGCCCA.1_7	YUTAU	Mono 6
## GATTCAGTCTAACTCT.1_7	YUTAU	Mono 7
## GCAAACCTCATTTGCTT.1_7	YUTAU	CD4T 5
## GCAAACCTGTAGGAGTC.1_7	YUTAU	Mono 1
## GCAAACCTGTATATCCG.1_7	YUTAU	CD4T 6
## GCAAACCTGTCATGCAT.1_7	YUTAU	CD4T 1
## GCAAACCTGTCCGTGAC.1_7	YUTAU	Mono 7
## GCAAACCTGTCTCCCTA.1_7	YUTAU	TNKT 1
## GCAAACCTTCACAAACC.1_7	YUTAU	Mono 7
## GCAATCAAGAAGGACA.1_7	YUTAU	CD4T 1
## GCAATCAAGCCACTAT.1_7	YUTAU	CD8T 1
## GCAATCACACATTTCT.1_7	YUTAU	CD4T 5
## GCAATCACATGAGCGA.1_7	YUTAU	CD4T 2
## GCAATCAGTATTAGCC.1_7	YUTAU	DC 1
## GCAATCATCTGCTGCT.1_7	YUTAU	CD4T 2
## GCACATAAGAATTCCC.1_7	YUTAU	CD4T 7
## GCACATAAGATATGCA.1_7	YUTAU	CD4T 4
## GCACATACAGATTGCT.1_7	YUTAU	Mono 7
## GCACATACAGGCTCAC.1_7	YUTAU	Mono 8
## GCACATACATGTCGAT.1_7	YUTAU	Mono 1
## GCACATATCGCCTGTT.1_7	YUTAU	CD4T 6
## GCACTCTAGGCTAGCA.1_7	YUTAU	CD8T 1
## GCACTCTAGTTATCGC.1_7	YUTAU	DC 1
## GCACTCTCAGGGATTG.1_7	YUTAU	NK 1
## GCACTCTCATACGCCG.1_7	YUTAU	CD8T 3
## GCACTCTCATTAACCG.1_7	YUTAU	Mono 7
## GCACTCTGTACATGTC.1_7	YUTAU	Mono 3
## GCACTCTTCATCACCC.1_7	YUTAU	Mono 9
## GCACTCTTCCCAAGAT.1_7	YUTAU	Mono 3
## GCAGCCAAGAGAACAG.1_7	YUTAU	Mono 2
## GCAGCCACAATGAAAC.1_7	YUTAU	CD4T 1
## GCAGCCACACTTACGA.1_7	YUTAU	Mono 7
## GCAGCCACATAGGATA.1_7	YUTAU	CD4T 1

## GCAGCCACATGAACCT.1_7	YUTAU	DC 1
## GCAGCCAGTAGAGTGC.1_7	YUTAU	Mono 1
## GCAGCCATCATGTCCC.1_7	YUTAU	TNKT 1
## GCAGTTACAACACCCG.1_7	YUTAU	NK 3
## GCAGTTACACCCATGG.1_7	YUTAU	Mono 5
## GCAGTTACAGGTGCCT.1_7	YUTAU	Mono 3
## GCAGTTACATATGCTG.1_7	YUTAU	CD4T 5
## GCAGTTAGTAGCTAAA.1_7	YUTAU	CD4T 1
## GCAGTTATCAGGATCT.1_7	YUTAU	NK 2
## GCAGTTATCATTGCCC.1_7	YUTAU	CD4T 5
## GCAGTTATCTGATACG.1_7	YUTAU	Mono 6
## GCATACAAGACCACGA.1_7	YUTAU	TNKT 1
## GCATACAAGCGATTCT.1_7	YUTAU	Mono 1
## GCATACACAAAGCGGT.1_7	YUTAU	Mono 3
## GCATACACAACACCCG.1_7	YUTAU	CD4T 7
## GCATACACACGGCTAC.1_7	YUTAU	CD4T 1
## GCATACACATCAGTAC.1_7	YUTAU	Mono 3
## GCATACACATTCACCT.1_7	YUTAU	CD4T 7
## GCATACAGTCCGAATT.1_7	YUTAU	Mono 7
## GCATACATCAGGCCCA.1_7	YUTAU	CD4T 1
## GCATGATAGATAGCAT.1_7	YUTAU	CD4T 7
## GCATGATCAAACCTGTC.1_7	YUTAU	CD8T 1
## GCATGATCAATAGCGG.1_7	YUTAU	B 1
## GCATGATCATAACCATG.1_7	YUTAU	CD4T 1
## GCATGATGTCATATGC.1_7	YUTAU	DC 1
## GCATGATGTCCGTCAG.1_7	YUTAU	NK 2
## GCATGATGTGGGTATG.1_7	YUTAU	CD8T 2
## GCATGATTCAAACGGG.1_7	YUTAU	Mono 7
## GCATGATTCTACGAGT.1_7	YUTAU	CD4T 1
## GCATGCGAGCCCAGCT.1_7	YUTAU	Mono 8
## GCATGCGCAACAACCT.1_7	YUTAU	Mono 6
## GCATGCGCAAGCCGCT.1_7	YUTAU	Mono 2
## GCATGCGGTGCAGTAG.1_7	YUTAU	CD4T 5
## GCATGCGTCACGACTA.1_7	YUTAU	Mono 7
## GCATGCGTCCTCCTAG.1_7	YUTAU	Mono 7
## GCATGCGTCTATCCTA.1_7	YUTAU	CD4T 2
## GCATGTAAGGTGCACA.1_7	YUTAU	CD4T 1
## GCATGTACACCATCCT.1_7	YUTAU	CD4T 1
## GCATGTACAGACGTAG.1_7	YUTAU	DC 1
## GCATGTACAGAGCCAA.1_7	YUTAU	Mono 5
## GCATGTAGTACATGTC.1_7	YUTAU	CD8T 1
## GCATGTAGTACCATCA.1_7	YUTAU	CD8T 2
## GCATGTATCTACTTAC.1_7	YUTAU	Mono 5
## GCATGTATCTGAAAGA.1_7	YUTAU	Mono 7
## GCCAAATAGATCCCGC.1_7	YUTAU	Mono 4
## GCCAAATCACAAGCCC.1_7	YUTAU	CD8T 1
## GCCAAATCACACAGAG.1_7	YUTAU	CD4T 3
## GCCAAATGTAAGGGCT.1_7	YUTAU	Mono 3
## GCCAAATGTACAGACG.1_7	YUTAU	Mono 6
## GCCAAATGTAGAAAGG.1_7	YUTAU	B 2
## GCCAAATGTAGGAGTC.1_7	YUTAU	Mono 7
## GCCAAATTCGCCCTTA.1_7	YUTAU	Mono 5
## GCCAAATTCCTAGCACA.1_7	YUTAU	Mono 1
## GCCTCTAAGTGACATA.1_7	YUTAU	CD4T 1

## GCCTCTAAGTGCCTGA.1_7	YUTAU	CD4T 3
## GCCTCTACACCCATTC.1_7	YUTAU	Mono 9
## GCCTCTACATCCCATC.1_7	YUTAU	TNKT 2
## GCCTCTAGTCGATTGT.1_7	YUTAU	Mono 3
## GCCTCTAGTGAGGGTT.1_7	YUTAU	Mono 8
## GCCTCTATCATTGCCC.1_7	YUTAU	Mono 3
## GCGACCAAGGAATGGA.1_7	YUTAU	Mono 7
## GCGACCAAGGCTAGCA.1_7	YUTAU	DC 1
## GCGACCACACGCCAGT.1_7	YUTAU	Mono 5
## GCGACCATCCCTGACT.1_7	YUTAU	Mono 4
## GCGAGAACATATACCG.1_7	YUTAU	CD4T 4
## GCGAGAAGTAAACACA.1_7	YUTAU	Mono 1
## GCGAGAAGTGTGACCC.1_7	YUTAU	CD4T 3
## GCGAGAAGTTGGAGGT.1_7	YUTAU	Mono 7
## GCGCAACAGAATAGGG.1_7	YUTAU	CD4T 4
## GCGCAACAGGCCCTTG.1_7	YUTAU	NK 1
## GCGCAACAGGGAAACA.1_7	YUTAU	Mono 6
## GCGCAACGTCATCCCT.1_7	YUTAU	Mono 8
## GCGCAACTCACCTTAT.1_7	YUTAU	B 1
## GCGCAACTCGAACTGT.1_7	YUTAU	CD4T 2
## GCGCAACTCGCCAAAT.1_7	YUTAU	Mono 1
## GCGCAACTCGCCATAA.1_7	YUTAU	Mono 2
## GCGCAACTCTAACTCT.1_7	YUTAU	Mono 3
## GCGCAGTAGAACTGTA.1_7	YUTAU	TNKT 1
## GCGCAGTAGAGTCGGT.1_7	YUTAU	Mono 6
## GCGCAGTAGCTGAACG.1_7	YUTAU	Mono 7
## GCGCAGTCAGCCTTGG.1_7	YUTAU	Mono 7
## GCGCAGTCATACGCCG.1_7	YUTAU	Mono 5
## GCGCAGTGTAACGCG.1_7	YUTAU	Mono 1
## GCGCAGTGTAGGCATG.1_7	YUTAU	Mono 7
## GCGCAGTTCTCCCTGA.1_7	YUTAU	Mono 8
## GCGCCAAAGCCGGTAA.1_7	YUTAU	Mono 5
## GCGCCAAAGCGGCTTC.1_7	YUTAU	Mono 7
## GCGCCAAAGGAATGGA.1_7	YUTAU	CD4T 6
## GCGCCAACAAACGTGG.1_7	YUTAU	Mono 6
## GCGCCAACACCATCCT.1_7	YUTAU	NK 1
## GCGCCAACACCGCTAG.1_7	YUTAU	CD4T 1
## GCGCCAAGTGAGGGTT.1_7	YUTAU	Mono 5
## GCGCCAAGTGCGAAAC.1_7	YUTAU	Mono 7
## GCGCCAATCATGCATG.1_7	YUTAU	Mono 6
## GCGCCAATCGCTAGCG.1_7	YUTAU	Mono 6
## GCGCGATAGACAGACC.1_7	YUTAU	B 1
## GCGCGATAGAGCAATT.1_7	YUTAU	CD8T 1
## GCGCGATCAAAGGAAG.1_7	YUTAU	TNKT 1
## GCGCGATCAGACAAAT.1_7	YUTAU	Mono 7
## GCGCGATGTCGACTAT.1_7	YUTAU	Mono 3
## GCGCGATGTTGCTAA.1_7	YUTAU	Mono 6
## GCGCGATTCTCAACC.1_7	YUTAU	CD4T 1
## GCGCGATTCTGGTTCC.1_7	YUTAU	Mono 7
## GCGGGTTAGATGGGTC.1_7	YUTAU	Mono 6
## GCGGGTTAGCCCAACC.1_7	YUTAU	DC 1
## GCGGGTTAGTCATCCA.1_7	YUTAU	Mono 3
## GCGGGTTCACATGTGT.1_7	YUTAU	Mono 8
## GCGGGTTCACGGTGTC.1_7	YUTAU	CD8T 1

## GCGGGTTCATCGGGTC.1_7	YUTAU	NK 2
## GCGGGTTGTATTAGCC.1_7	YUTAU	CD8T 1
## GCGGGTTTCTGCAAGT.1_7	YUTAU	CD8T 1
## GCGGGTTTCTGGCGAC.1_7	YUTAU	NK 1
## GCTCCTAAGACCCACC.1_7	YUTAU	CD4T 5
## GCTCCTAAGCTCCTTC.1_7	YUTAU	Mono 7
## GCTCCTACATGTCTCC.1_7	YUTAU	Mono 6
## GCTCCTAGTACAGCAG.1_7	YUTAU	CD4T 1
## GCTCCTAGTATATGGA.1_7	YUTAU	CD4T 5
## GCTCTGTAGATAGTCA.1_7	YUTAU	Mono 9
## GCTCTGTCAAAGAATC.1_7	YUTAU	NK 2
## GCTCTGTCAAGTTGTC.1_7	YUTAU	Mono 7
## GCTCTGTCACACTGCG.1_7	YUTAU	CD4T 3
## GCTCTGTCAGCTTAAC.1_7	YUTAU	CD4T 1
## GCTCTGTCATCGATTG.1_7	YUTAU	DC 1
## GCTCTGTCATCTCCCA.1_7	YUTAU	NK 1
## GCTCTGTGTCATACTG.1_7	YUTAU	B 1
## GCTCTGTGTGAGGCTA.1_7	YUTAU	DC 1
## GCTCTGTGTGCCTGGT.1_7	YUTAU	CD8T 1
## GCTCTGTGTGTATGGG.1_7	YUTAU	CD4T 5
## GCTCTGTGTGTGACGA.1_7	YUTAU	Mono 7
## GCTCTGTTGAGGTAG.1_7	YUTAU	CD4T 5
## GCTCTGTTCTCCCTGA.1_7	YUTAU	Mono 4
## GCTGCAGCAAGTAGTA.1_7	YUTAU	CD4T 5
## GCTGCAGCACCTCGGA.1_7	YUTAU	Mono 7
## GCTGCAGCACTTACGA.1_7	YUTAU	Mono 3
## GCTGCAGGTCCAAGTT.1_7	YUTAU	CD4T 5
## GCTGCAGGTCTGCAAT.1_7	YUTAU	CD4T 5
## GCTGCAGTCGAGAGCA.1_7	YUTAU	Mono 7
## GCTGCAGTCTCGAGTA.1_7	YUTAU	Mono 2
## GCTGCAGTCTTCTGGC.1_7	YUTAU	CD4T 4
## GCTGCGACACACCGCA.1_7	YUTAU	DC 1
## GCTGCGACACCCATTC.1_7	YUTAU	Mono 1
## GCTGCGACAGGTGCCT.1_7	YUTAU	Mono 3
## GCTGCGAGTATGCTTG.1_7	YUTAU	TNKT 1
## GCTGCGAGTTAGATGA.1_7	YUTAU	TNKT 2
## GCTGCGATCATCACCC.1_7	YUTAU	CD4T 4
## GCTGCTTAGGATGCGT.1_7	YUTAU	B 2
## GCTGCTTAGGGTATCG.1_7	YUTAU	Mono 7
## GCTGCTTCACGAGGTA.1_7	YUTAU	Mono 7
## GCTGCTTCATAGGATA.1_7	YUTAU	B 3
## GCTGCTTTCATGTGGT.1_7	YUTAU	CD4T 1
## GCTGCTTTCGACGGAA.1_7	YUTAU	Mono 7
## GCTGGGTAGACGCACA.1_7	YUTAU	Mono 7
## GCTGGGTCATCAGTAC.1_7	YUTAU	CD4T 6
## GCTGGGTCATGCCCGA.1_7	YUTAU	Mono 2
## GCTGGGTCATTCGACA.1_7	YUTAU	CD8T 1
## GCTGGGTGTCCAAGTT.1_7	YUTAU	B 2
## GCTGGGTCTGCTGTC.1_7	YUTAU	TNKT 2
## GCTTCCAAGACATAAC.1_7	YUTAU	CD4T 2
## GCTTCCAAGGCAGTCA.1_7	YUTAU	CD4T 5
## GCTTCCAAGGGTCTCC.1_7	YUTAU	CD4T 5
## GCTTCCACACTTCGAA.1_7	YUTAU	Mono 7
## GCTTCCACAGTCCTTC.1_7	YUTAU	CD8T 1

## GCTTCCACATTGGCGC.1_7	YUTAU	Mono 7
## GCTTCCAGTAGCCTAT.1_7	YUTAU	NK 1
## GCTTCCAGTGCAACGA.1_7	YUTAU	DC 1
## GCTTCCATCGGAAATA.1_7	YUTAU	TNKT 1
## GCTTGAAGTAGCTAAA.1_7	YUTAU	Mono 6
## GCTTGAAGTGAGGGAG.1_7	YUTAU	TNKT 2
## GCTTGAAGGTGACGA.1_7	YUTAU	CD4T 5
## GGAAAGCAGAGGTTAT.1_7	YUTAU	Mono 3
## GGAAAGCAGCCGAAA.1_7	YUTAU	TNKT 1
## GGAAAGCAGGGATGGG.1_7	YUTAU	Mono 8
## GGAAAGCCACAAGCCC.1_7	YUTAU	Mono 4
## GGAAAGCGTCATCCCT.1_7	YUTAU	Mono 9
## GGAAAGCGTGCACTTA.1_7	YUTAU	NK 2
## GGAAAGCGTTCGAATC.1_7	YUTAU	Mono 7
## GGAAAGCTCAAACCGT.1_7	YUTAU	B 2
## GGAAAGCTCACATGCA.1_7	YUTAU	CD4T 3
## GGAAAGCTCACTTATC.1_7	YUTAU	Mono 7
## GGAACCTTAGCCCAACC.1_7	YUTAU	NK 2
## GGAACCTTCAAAGGAAG.1_7	YUTAU	Mono 1
## GGAACCTTCATGACATC.1_7	YUTAU	Mono 9
## GGAACCTTCATGCCTTC.1_7	YUTAU	Mono 5
## GGAACCTTGTCGGTGAC.1_7	YUTAU	CD4T 5
## GGAACCTTGTTCTGGTA.1_7	YUTAU	B 1
## GGAACCTTCCACTCCA.1_7	YUTAU	CD4T 1
## GGAACCTTTCCTTAATC.1_7	YUTAU	DC 1
## GGAACCTTTCGCATGAT.1_7	YUTAU	Mono 3
## GGAACCTTTCCTCGGACG.1_7	YUTAU	Mono 3
## GGAATAAAGACAGAGA.1_7	YUTAU	Mono 5
## GGAATAAAGCGACGTA.1_7	YUTAU	B 1
## GGAATAACAGGTGCCT.1_7	YUTAU	Mono 8
## GGAATAATCAAAGTAG.1_7	YUTAU	TNKT 2
## GGAATAATCACCGTAA.1_7	YUTAU	Mono 6
## GGAATAATCACGCGGT.1_7	YUTAU	CD4T 6
## GGAATAATCGTCACGG.1_7	YUTAU	NK 3
## GGACAAGAGACGCAAC.1_7	YUTAU	Mono 7
## GGACAAGAGAGCTATA.1_7	YUTAU	Mono 5
## GGACAAGAGGCATGTG.1_7	YUTAU	CD4T 1
## GGACAAGCAAGCTGAG.1_7	YUTAU	Mono 6
## GGACAAGCAATGAATG.1_7	YUTAU	Mono 4
## GGACAAGCATGCCCGA.1_7	YUTAU	CD4T 7
## GGACAAGCATTACCTT.1_7	YUTAU	CD4T 5
## GGACAAGGTAAATGAC.1_7	YUTAU	CD8T 1
## GGACAAGGTCACAAGG.1_7	YUTAU	Mono 7
## GGACAAGGTTGATTCTG.1_7	YUTAU	CD4T 3
## GGACAAGTCCACTGGG.1_7	YUTAU	Mono 5
## GGACAGACAAAGGAAG.1_7	YUTAU	NK 3
## GGACAGACATGGATGG.1_7	YUTAU	CD4T 2
## GGACAGAGTCAGTGGA.1_7	YUTAU	CD4T 7
## GGACAGAGTTGGAGGT.1_7	YUTAU	Mono 4
## GGACAGATCAAAGTAG.1_7	YUTAU	Mono 6
## GGACATTAGAGTACCG.1_7	YUTAU	NK 3
## GGACATTAGCCAACAG.1_7	YUTAU	CD4T 5
## GGACATTAGCCGGTAA.1_7	YUTAU	CD4T 1
## GGACATTAGTGGCACA.1_7	YUTAU	Mono 4

## GGACATTGAGATGAGC.1_7	YUTAU	CD4T 3
## GGACATTGTGATGCCC.1_7	YUTAU	Mono 6
## GGACATTGTTAAGTAG.1_7	YUTAU	Mono 7
## GGACGTCAGAAACCTA.1_7	YUTAU	Mono 6
## GGACGTCAGACTTGAA.1_7	YUTAU	Mono 3
## GGACGTCAGCCTTGAT.1_7	YUTAU	B 1
## GGACGTCAGTCCCACG.1_7	YUTAU	DC 1
## GGACGTCACCCCTATC.1_7	YUTAU	Mono 8
## GGACGTCTCGATAGAA.1_7	YUTAU	CD8T 2
## GGACGTCTCGTAGGAG.1_7	YUTAU	Mono 1
## GGAGCAAAGCCCTAAT.1_7	YUTAU	Mono 5
## GGAGCAACAAACAACA.1_7	YUTAU	CD8T 1
## GGAGCAACAAAGTCAA.1_7	YUTAU	TNKT 1
## GGAGCAACAGTAAGAT.1_7	YUTAU	Mono 6
## GGAGCAAGTAGGAGTC.1_7	YUTAU	CD4T 1
## GGAGCAATCAAGCCTA.1_7	YUTAU	CD8T 2
## GGAGCAATCCAGAAGG.1_7	YUTAU	CD4T 4
## GGAGCAATCCGTAGGC.1_7	YUTAU	Mono 2
## GGATGTTAGACAATAC.1_7	YUTAU	Mono 7
## GGATGTTAGCACAGGT.1_7	YUTAU	CD4T 7
## GGATGTTAGCCCTAAT.1_7	YUTAU	CD8T 1
## GGATGTTAGCCTCGTG.1_7	YUTAU	Mono 3
## GGATGTTAGCTAACAA.1_7	YUTAU	Mono 4
## GGATGTTAGGATATAC.1_7	YUTAU	Mono 1
## GGATGTTCAATCGAAA.1_7	YUTAU	CD4T 2
## GGATGTTGTCGGGTCT.1_7	YUTAU	Mono 7
## GGATGTTGTTATGTGC.1_7	YUTAU	Mono 3
## GGATGTTTCACCAGGC.1_7	YUTAU	Mono 7
## GGATGTTTCCTAGGGC.1_7	YUTAU	CD4T 2
## GGATGTTTCTAACTCT.1_7	YUTAU	CD4T 1
## GGATTACAGTTTGCGT.1_7	YUTAU	Mono 3
## GGATTACCAAAGTCT.1_7	YUTAU	CD4T 3
## GGATTACAGATCGGA.1_7	YUTAU	Mono 3
## GGATTACGTATAGGGC.1_7	YUTAU	Mono 3
## GGATTACTCTCCAGGG.1_7	YUTAU	Mono 3
## GGCAATTAGAACTCGG.1_7	YUTAU	Mono 4
## GGCAATTCACCGAATT.1_7	YUTAU	Mono 8
## GGCAATTCAGTATAAG.1_7	YUTAU	Mono 7
## GGCAATTCATTACGAC.1_7	YUTAU	Mono 5
## GGCAATTGTGAGGGAG.1_7	YUTAU	CD8T 2
## GGCCGATAGAAGGTTT.1_7	YUTAU	Mono 7
## GGCCGATAGAGGGATA.1_7	YUTAU	NK 4
## GGCCGATAGCAAATCA.1_7	YUTAU	CD4T 2
## GGCCGATAGGCTCTTA.1_7	YUTAU	Mono 3
## GGCCGATCATCGGTTA.1_7	YUTAU	Mono 7
## GGCCGATGTCCGAGTC.1_7	YUTAU	Mono 6
## GGCCGATGTCCGTCT.1_7	YUTAU	Mono 7
## GGCCGATTCTGAGTGT.1_7	YUTAU	Mono 5
## GGCCGATTCTTAGAGC.1_7	YUTAU	DC 1
## GGCGACTAGACGCACA.1_7	YUTAU	CD4T 3
## GGCGACTAGGTAAACT.1_7	YUTAU	Mono 7
## GGCGACTCAATGAAAC.1_7	YUTAU	CD4T 5
## GGCGACTGTAGGGACT.1_7	YUTAU	Mono 8
## GGCGACTGTATAATGG.1_7	YUTAU	CD8T 1

## GGCGACTTCAATCACG.1_7	YUTAU	CD4T 4
## GGCGACTTCGATGAGG.1_7	YUTAU	Mono 8
## GGCGGTAGTGAACAT.1_7	YUTAU	B 3
## GGCGGTCAAGTTCTG.1_7	YUTAU	Mono 9
## GGCGGTGTCATGACGGA.1_7	YUTAU	CD4T 6
## GGCGGTGTACCTACA.1_7	YUTAU	Mono 5
## GGCGGTGTATAAACG.1_7	YUTAU	CD4T 5
## GGCGGTGTTCACA.1_7	YUTAU	Mono 8
## GGCGGTTCAAAGACA.1_7	YUTAU	Mono 2
## GGCGGTTCATAGCAC.1_7	YUTAU	B 1
## GGCGGTTCGCATCT.1_7	YUTAU	NK 1
## GGCGGTTCCTTCAAT.1_7	YUTAU	Mono 1
## GGCGGTTCCTCGATGA.1_7	YUTAU	NK 1
## GGCTCGAAGAGAGCTC.1_7	YUTAU	Mono 6
## GGCTCGACAGTGGAGT.1_7	YUTAU	Mono 7
## GGCTCGATCACAATGC.1_7	YUTAU	Mono 6
## GGCTGGTAGCTGAAAT.1_7	YUTAU	CD8T 1
## GGCTGGTCAAGCTGGA.1_7	YUTAU	Mono 5
## GGCTGGTCAAGGTCA.1_7	YUTAU	NK 1
## GGCTGGTGTACGACCC.1_7	YUTAU	TNKT 1
## GGCTGGTGTCAACATC.1_7	YUTAU	Mono 3
## GGCTGGTGTGAGAGGT.1_7	YUTAU	TNKT 2
## GGCTGGTTCGTTGCCT.1_7	YUTAU	CD4T 1
## GGGAATGAGGATGGAA.1_7	YUTAU	Mono 7
## GGGAATGCACAGCCCA.1_7	YUTAU	Mono 7
## GGGAATGCATTACCTT.1_7	YUTAU	DC 1
## GGGAATGGTCGCTTTC.1_7	YUTAU	Mono 3
## GGGAATGTCCATGCTC.1_7	YUTAU	Mono 7
## GGGACCTAGAATAGGG.1_7	YUTAU	B 2
## GGGACCTAGATCTGCT.1_7	YUTAU	Mono 4
## GGGACCTAGCACCGTC.1_7	YUTAU	DC 1
## GGGACCTAGGACTGGT.1_7	YUTAU	B 1
## GGGACCTAGTGAAGAG.1_7	YUTAU	CD8T 1
## GGGACCTAGTGATCGG.1_7	YUTAU	Mono 7
## GGGACCTCAGTAACGG.1_7	YUTAU	CD8T 1
## GGGACCTCATGACATC.1_7	YUTAU	B 1
## GGGACCTCATGCATGT.1_7	YUTAU	Mono 6
## GGGACCTCATGCCCGA.1_7	YUTAU	TNKT 2
## GGGACCTGTCAAAGAT.1_7	YUTAU	CD4T 1
## GGGACCTGTCTAGCCG.1_7	YUTAU	DC 1
## GGGACCTTCAGCATGT.1_7	YUTAU	CD4T 1
## GGGACCTTCCAAATGC.1_7	YUTAU	CD4T 3
## GGGACCTTCCGTCATC.1_7	YUTAU	Mono 7
## GGGACCTTCGGTCTAA.1_7	YUTAU	Mono 7
## GGGAGATAGGTGCACA.1_7	YUTAU	CD8T 1
## GGGAGATCACCGAATT.1_7	YUTAU	CD4T 6
## GGGAGATCACCGATAT.1_7	YUTAU	CD8T 1
## GGGAGATCACGGTAAG.1_7	YUTAU	Mono 7
## GGGAGATCACTAGTAC.1_7	YUTAU	DC 1
## GGGAGATCAGCGTAAG.1_7	YUTAU	NK 1
## GGGAGATGTGCAACGA.1_7	YUTAU	CD8T 1
## GGGAGATTCAACACAC.1_7	YUTAU	CD4T 6
## GGGAGATTCCAGAGGA.1_7	YUTAU	CD4T 2
## GGGAGATTCTCGAGTA.1_7	YUTAU	Mono 3

## GGGAGATTCTTGCAAG.1_7	YUTAU	CD8T 1
## GGGATGAAGAAACGCC.1_7	YUTAU	Mono 7
## GGGATGAAGCACACAG.1_7	YUTAU	CD4T 7
## GGGATGAAGCGTGAAC.1_7	YUTAU	Mono 7
## GGGATGAAGGAGTTTA.1_7	YUTAU	CD4T 1
## GGGATGACATGAGCGA.1_7	YUTAU	Mono 6
## GGGATGAGTATCAGTC.1_7	YUTAU	Mono 6
## GGGATGATCAAGCCTA.1_7	YUTAU	Mono 9
## GGGATGATCAGTACGT.1_7	YUTAU	DC 1
## GGGATGATCATGCTCC.1_7	YUTAU	CD8T 1
## GGGCACTAGAGCTTCT.1_7	YUTAU	CD4T 1
## GGGCACTAGAGTAAGG.1_7	YUTAU	B 2
## GGGCACTCACTGTGTA.1_7	YUTAU	NK 1
## GGGCACTGTCCAAGTT.1_7	YUTAU	Mono 4
## GGGCACTGTGATGTGG.1_7	YUTAU	Mono 3
## GGGCACTTCTGCAGTA.1_7	YUTAU	CD4T 4
## GGGCATCAGCCACGTC.1_7	YUTAU	Mono 7
## GGGCATCAGCCCTAAT.1_7	YUTAU	CD8T 3
## GGGCATCAGCTAACAA.1_7	YUTAU	TNKT 1
## GGGCATCAGGAGTAGA.1_7	YUTAU	TNKT 1
## GGGCATCCAAGCTGGA.1_7	YUTAU	CD8T 1
## GGGCATCCAATGACCT.1_7	YUTAU	Mono 1
## GGGCATCCAGCCACCA.1_7	YUTAU	Mono 8
## GGGCATCCATACGCTA.1_7	YUTAU	CD4T 7
## GGGCATCCATCTACGA.1_7	YUTAU	Mono 7
## GGGCATCCATGGTCAT.1_7	YUTAU	Mono 5
## GGGCATCCATTCTCAT.1_7	YUTAU	CD4T 4
## GGGCATCGTAAAGGAG.1_7	YUTAU	Mono 5
## GGGCATCGTTACGGAG.1_7	YUTAU	Mono 3
## GGGCATCTCCTCAACC.1_7	YUTAU	Mono 7
## GGGCATCTCGAACGGA.1_7	YUTAU	B 1
## GGGTCTGAGAATTCCC.1_7	YUTAU	CD4T 6
## GGGTCTGAGAGTGAGA.1_7	YUTAU	Mono 7
## GGGTCTGAGATGTCGG.1_7	YUTAU	CD4T 5
## GGGTCTGAGGTACTCT.1_7	YUTAU	Mono 7
## GGGTCTGGTCAACTGT.1_7	YUTAU	CD4T 6
## GGGTCTGGTCAGTGGA.1_7	YUTAU	Mono 6
## GGGTCTGGTCCGTTAA.1_7	YUTAU	CD4T 5
## GGGTCTGGTCTCCCTA.1_7	YUTAU	TNKT 2
## GGGTCTGTCTCTGAGA.1_7	YUTAU	NK 3
## GGGTCTGTCTGCCCTA.1_7	YUTAU	CD8T 1
## GGGTTGCAGAGTCTGG.1_7	YUTAU	Mono 1
## GGGTTGCAGCGAGAAA.1_7	YUTAU	NK 1
## GGGTTGCCAAGAAAGG.1_7	YUTAU	NK 1
## GGGTTGCCAGATCTGT.1_7	YUTAU	CD8T 2
## GGGTTGCCATGCCCGA.1_7	YUTAU	CD8T 1
## GGGTTGCTCACCTTAT.1_7	YUTAU	Mono 7
## GGGTTGCTCCGCAGTG.1_7	YUTAU	CD4T 1
## GGTATTGAGCCCGAAA.1_7	YUTAU	CD4T 7
## GGTATTGAGGTGTGGT.1_7	YUTAU	Mono 3
## GGTATTGAGGTGTTAA.1_7	YUTAU	Mono 7
## GGTATTGAGTACTTGC.1_7	YUTAU	CD8T 2
## GGTATTGCACACATGT.1_7	YUTAU	NK 1
## GGTATTGCACGGTAAG.1_7	YUTAU	Mono 1

## GGTATTGCATCTGGTA.1_7	YUTAU	NK 1
## GGTATTGGTACGAAAT.1_7	YUTAU	CD4T 1
## GGTATTGGTCAATGTC.1_7	YUTAU	NK 1
## GGTATTGGTCACAAGG.1_7	YUTAU	TNKT 2
## GGTATTGGTGAAGGCT.1_7	YUTAU	DC 1
## GGTATTGTCAGAAATG.1_7	YUTAU	Mono 7
## GGTATTGTCAGTTAGC.1_7	YUTAU	B 5
## GGTATTGTCGCTAGCG.1_7	YUTAU	Mono 3
## GGTGAAGAGACCCACC.1_7	YUTAU	Mono 1
## GGTGAAGAGAGGTTAT.1_7	YUTAU	Mono 3
## GGTGAAGCATGGAATA.1_7	YUTAU	CD4T 3
## GGTGAAGGTGCAACGA.1_7	YUTAU	Mono 5
## GGTGAAGGTGCACTTA.1_7	YUTAU	Mono 9
## GGTGAAGGTGGTACAG.1_7	YUTAU	TNKT 1
## GGTGAAGTCATCTGCC.1_7	YUTAU	Mono 3
## GGTGCGTCACCGAAA.1_7	YUTAU	CD8T 1
## GGTGCGTCACGGTGTG.1_7	YUTAU	Mono 1
## GGTGCGTTCAAAGTAG.1_7	YUTAU	NK 1
## GGTGCGTTCCGATATG.1_7	YUTAU	CD4T 1
## GGTGCGTTTCGATGAGG.1_7	YUTAU	CD8T 1
## GGTGTTAAGCCACTAT.1_7	YUTAU	NK 1
## GGTGTTAAGCCAGAAC.1_7	YUTAU	Mono 5
## GGTGTTAAGCTCCTCT.1_7	YUTAU	Mono 7
## GGTGTTACATGGGAAC.1_7	YUTAU	CD4T 1
## GGTGTTATCAACACAC.1_7	YUTAU	Mono 8
## GGTGTTATCAGGTTCA.1_7	YUTAU	Mono 5
## GGTGTTATCCCTAACC.1_7	YUTAU	Mono 3
## GGTGTTATCTTGTTTG.1_7	YUTAU	Mono 8
## GTAACGTAGCGTAGTG.1_7	YUTAU	NK 1
## GTAACGTACCGAATT.1_7	YUTAU	DC 1
## GTAACGTACAGCTTCGG.1_7	YUTAU	CD4T 2
## GTAACGTGTCAAAGAT.1_7	YUTAU	Mono 6
## GTAACGTGCACGCATCG.1_7	YUTAU	CD4T 3
## GTAACGTGGTAAATGAC.1_7	YUTAU	NK 1
## GTAACGTGGTAGCGTGA.1_7	YUTAU	CD4T 5
## GTAACGTGGTGTATGGG.1_7	YUTAU	Mono 6
## GTACGTAAGAACAATC.1_7	YUTAU	DC 1
## GTACGTAAGACACTAA.1_7	YUTAU	CD4T 5
## GTACGTAAGGGAAACA.1_7	YUTAU	B 2
## GTACGTAAGTAATCCC.1_7	YUTAU	CD4T 7
## GTACGTACAAAAGTGCG.1_7	YUTAU	CD4T 6
## GTACGTACACAGAGGT.1_7	YUTAU	Mono 6
## GTACGTACATCCCACT.1_7	YUTAU	Mono 6
## GTACGTAGTAATCACC.1_7	YUTAU	NK 1
## GTACGTAGTAGGGTAC.1_7	YUTAU	B 2
## GTACGTAGTGAGCGAT.1_7	YUTAU	CD4T 1
## GTACGTAGTGATGCCC.1_7	YUTAU	Mono 8
## GTACTCCAGACGCAAC.1_7	YUTAU	CD4T 5
## GTACTCCAGACTCGGA.1_7	YUTAU	CD4T 1
## GTACTCCAGAGTGACC.1_7	YUTAU	CD4T 3
## GTACTCCAGTACGATA.1_7	YUTAU	Mono 8
## GTACTCCAGTCAATAG.1_7	YUTAU	Mono 2
## GTACTCCGTAAGAGAG.1_7	YUTAU	B 2
## GTACTCCGTAAGAGGA.1_7	YUTAU	NK 1

## GTACTCCGTACCTACA.1_7	YUTAU	CD4T 4
## GTACTCCGTAGCGTCC.1_7	YUTAU	Mono 2
## GTACTCCGTCAGAGGT.1_7	YUTAU	CD4T 1
## GTACTCCTCGTACCGG.1_7	YUTAU	Mono 7
## GTACTCCTCTGAAAGA.1_7	YUTAU	Mono 7
## GTACTCCTCTGATACG.1_7	YUTAU	Mono 5
## GTACTTTAGGTGTTAA.1_7	YUTAU	Mono 7
## GTACTTTCACGTCTCT.1_7	YUTAU	CD4T 4
## GTACTTTCACTTCGAA.1_7	YUTAU	Mono 9
## GTACTTTCAGCGTCCA.1_7	YUTAU	Mono 5
## GTACTTTGTACCGTAT.1_7	YUTAU	Mono 3
## GTACTTTGTACGACCC.1_7	YUTAU	TNKT 2
## GTACTTTGTAGCACGA.1_7	YUTAU	Mono 3
## GTACTTTGTTAAGACA.1_7	YUTAU	Mono 4
## GTACTTTTCAACACTG.1_7	YUTAU	Mono 3
## GTACTTTTCACAATGC.1_7	YUTAU	CD8T 1
## GTACTTTTCACCATAG.1_7	YUTAU	CD4T 1
## GTAGGCCGTAGCGTCC.1_7	YUTAU	Mono 8
## GTAGGCCGTCGGCTCA.1_7	YUTAU	Mono 6
## GTAGGCCTCAGTCCCT.1_7	YUTAU	Mono 5
## GTAGGCCTCCCTAACC.1_7	YUTAU	CD4T 5
## GTAGGCCTCCGTTGCT.1_7	YUTAU	CD4T 1
## GTAGGCCTCTTGGGTA.1_7	YUTAU	NK 1
## GTAGTCACACTTAAGC.1_7	YUTAU	Mono 3
## GTAGTCACAGGTGCCT.1_7	YUTAU	NK 1
## GTAGTCACATACTACG.1_7	YUTAU	Mono 7
## GTAGTCATCAAACCAC.1_7	YUTAU	Mono 3
## GTAGTCATCAGTTGAC.1_7	YUTAU	CD8T 1
## GTAGTCATCGATGAGG.1_7	YUTAU	Mono 3
## GTATCTTAGAGACTTA.1_7	YUTAU	DC 1
## GTATCTTAGATCACGG.1_7	YUTAU	Mono 7
## GTATCTTAGCACAGGT.1_7	YUTAU	DC 1
## GTATCTTAGCGATAGC.1_7	YUTAU	Mono 3
## GTATCTTCAATAGAGT.1_7	YUTAU	CD4T 1
## GTATCTTCATTTGCCC.1_7	YUTAU	Mono 5
## GTATCTTGTAGAGCTG.1_7	YUTAU	CD4T 3
## GTATCTTGTCCGTTAA.1_7	YUTAU	CD4T 1
## GTATCTTGTGCGAAAC.1_7	YUTAU	CD4T 1
## GTATCTTTCACAGGCC.1_7	YUTAU	NK 1
## GTATCTTTCAGAGACG.1_7	YUTAU	Mono 9
## GTATCTTTCGGCTACG.1_7	YUTAU	DC 1
## GTATCTTCTTCAACT.1_7	YUTAU	Mono 7
## GTATTCTAGGATTTCGG.1_7	YUTAU	Mono 7
## GTATTCTCAAGAAAGG.1_7	YUTAU	B 2
## GTATTCTTCAAACCGT.1_7	YUTAU	CD4T 1
## GTCAAGTAGCGTAGTG.1_7	YUTAU	Mono 5
## GTCAAGTCACAACTGT.1_7	YUTAU	CD4T 2
## GTCAAGTCACATCCAA.1_7	YUTAU	CD4T 2
## GTCAAGTCATGACGGA.1_7	YUTAU	Mono 3
## GTCAAGTGTAAGAGAG.1_7	YUTAU	B 2
## GTCAAGTGTTCTGGTA.1_7	YUTAU	CD4T 1
## GTCACAAAGAATAGGG.1_7	YUTAU	Mono 8
## GTCACAAAGATACACA.1_7	YUTAU	B 2
## GTCACAAAGCCACCTG.1_7	YUTAU	Mono 6

## GTCACAAAGCCCTAAT.1_7	YUTAU	Mono 4
## GTCACAAAGGAGTAGA.1_7	YUTAU	NK 3
## GTCACAAAGTTCGATC.1_7	YUTAU	B 6
## GTCACAACAGTTTACG.1_7	YUTAU	Mono 6
## GTCACAAGTACCAGTT.1_7	YUTAU	Mono 4
## GTCACAAGTATATGGA.1_7	YUTAU	Mono 8
## GTCACAAGTTCAGCGC.1_7	YUTAU	CD8T 1
## GTCACAATCACCTCA.1_7	YUTAU	Mono 6
## GTCACAATCACTTACT.1_7	YUTAU	Mono 9
## GTCACAATCCTTGACC.1_7	YUTAU	Mono 8
## GTCACGGAGCGGCTTC.1_7	YUTAU	B 1
## GTCACGGAGCGTTCCG.1_7	YUTAU	Mono 3
## GTCACGGAGCTGAACG.1_7	YUTAU	Mono 7
## GTCACGGAGGGATGGG.1_7	YUTAU	CD8T 1
## GTCACGGAGTAGATGT.1_7	YUTAU	Mono 6
## GTCACGGCAAGAGGCT.1_7	YUTAU	CD8T 1
## GTCACGGCAGCATACT.1_7	YUTAU	CD4T 5
## GTCACGGGTACAGTGG.1_7	YUTAU	B 1
## GTCACGGGTAGAGGAA.1_7	YUTAU	CD4T 7
## GTCACGGGTGGTGGG.1_7	YUTAU	Mono 7
## GTCACGGTCTAGAGTC.1_7	YUTAU	CD4T 6
## GTCATTTTCACGGCCAT.1_7	YUTAU	Mono 7
## GTCATTTTCAGACAAGC.1_7	YUTAU	B 1
## GTCATTTGTAGATTAG.1_7	YUTAU	CD8T 1
## GTCATTTGTATAGGTA.1_7	YUTAU	CD4T 1
## GTCATTTTCATAGCAC.1_7	YUTAU	CD4T 2
## GTCATTTTCCTGCCAT.1_7	YUTAU	CD4T 1
## GTCATTTTCTGATTCT.1_7	YUTAU	NK 1
## GTCCTCACACTGCCAG.1_7	YUTAU	CD8T 1
## GTCCTCACAGACAAGC.1_7	YUTAU	Mono 6
## GTCCTCAGTACAGTGG.1_7	YUTAU	Mono 5
## GTCCTCAGTGAAAGAG.1_7	YUTAU	CD4T 1
## GTCCTCATCCTAGGGC.1_7	YUTAU	Mono 7
## GTCGGGTACAGCGTAAG.1_7	YUTAU	Mono 6
## GTCGGGTATTCCTCG.1_7	YUTAU	CD4T 5
## GTCGGGTGTCCAACTA.1_7	YUTAU	CD4T 5
## GTCGGGTGTCCGCTGA.1_7	YUTAU	CD4T 1
## GTCGGGTGTGAAAGAG.1_7	YUTAU	CD4T 5
## GTCGGGTGTGGAAGA.1_7	YUTAU	Mono 7
## GTCGGGTGTGTGGCTC.1_7	YUTAU	B 3
## GTCGGGTGTTCAGGCC.1_7	YUTAU	CD4T 6
## GTCGGGTGTTTGACTG.1_7	YUTAU	B 2
## GTCGGGTTCACACAC.1_7	YUTAU	CD4T 5
## GTCGGGTTCCTCGAGTA.1_7	YUTAU	NK 1
## GTCGGGTTCAGAGTGT.1_7	YUTAU	DC 1
## GTCGTAAGTAAGAGAG.1_7	YUTAU	NK 1
## GTCGTAAGTAGCACGA.1_7	YUTAU	CD4T 7
## GTCGTAAGTAGGACAC.1_7	YUTAU	CD4T 5
## GTCGTAATCCGAATGT.1_7	YUTAU	Mono 1
## GTCGTAATCGCGTTTC.1_7	YUTAU	CD4T 5
## GTCTCGTAGAATTCCC.1_7	YUTAU	CD8T 1
## GTCTCGTAGGACAGAA.1_7	YUTAU	Mono 7
## GTCTCGTCACCGATAT.1_7	YUTAU	Mono 9
## GTCTCGTCAGCTTCGG.1_7	YUTAU	Mono 6

## GTCTCGTCAGGGAGAG.1_7	YUTAU	CD4T 4
## GTCTCGTCAGTAGAGC.1_7	YUTAU	B 1
## GTCTCGTGTCCAAGTT.1_7	YUTAU	CD4T 3
## GTCTCGTTCACGGTTA.1_7	YUTAU	TNKT 2
## GTCTCGTTCATGCTCC.1_7	YUTAU	CD4T 5
## GTCTTCGCAAGAGGCT.1_7	YUTAU	Mono 7
## GTCTTCGCAATGTTGC.1_7	YUTAU	Mono 7
## GTCTTCGCAAGGTTAG.1_7	YUTAU	CD4T 6
## GTCTTCGGTACCTACA.1_7	YUTAU	Mono 4
## GTCTTCGGTACTTGAC.1_7	YUTAU	Mono 4
## GTCTTCGGTGAGGGTT.1_7	YUTAU	CD4T 2
## GTCTTCGTCATAGCAC.1_7	YUTAU	CD4T 2
## GTCTTCGTCTTCGAGA.1_7	YUTAU	CD4T 2
## GTGAAGGAGACAGACC.1_7	YUTAU	Mono 6
## GTGAAGGAGCCGGTAA.1_7	YUTAU	Mono 1
## GTGAAGGAGGGATGGG.1_7	YUTAU	Mono 8
## GTGAAGGCACAGAGGT.1_7	YUTAU	Mono 4
## GTGAAGGCACGGTTTA.1_7	YUTAU	Mono 9
## GTGAAGGGTCCCTACT.1_7	YUTAU	NK 3
## GTGAAGGTGCGCATCG.1_7	YUTAU	Mono 5
## GTGCAGCAGCTCCTTC.1_7	YUTAU	CD4T 1
## GTGCAGCCAAGTTGTC.1_7	YUTAU	Mono 3
## GTGCAGCGTAAGAGGA.1_7	YUTAU	Mono 2
## GTGCAGCGTAGCGATG.1_7	YUTAU	Mono 6
## GTGCAGCGTTCCAACA.1_7	YUTAU	DC 1
## GTGCATAAGAAACGCC.1_7	YUTAU	Mono 5
## GTGCATACACTGCCAG.1_7	YUTAU	DC 1
## GTGCATAGTAAGAGAG.1_7	YUTAU	Mono 4
## GTGCATAGTGAGTGAC.1_7	YUTAU	Mono 2
## GTGCATATCCAGAGGA.1_7	YUTAU	Mono 1
## GTGCATATCCCGACTT.1_7	YUTAU	Mono 4
## GTGCATATCCTTAATC.1_7	YUTAU	Mono 4
## GTGCGGTAGCACAGGT.1_7	YUTAU	DC 1
## GTGCGGTAGGATGTAT.1_7	YUTAU	Mono 7
## GTGCGGTAGGGCTTCC.1_7	YUTAU	TNKT 1
## GTGCGGTCAATTCCTT.1_7	YUTAU	Mono 7
## GTGCGGTCATCACCCT.1_7	YUTAU	CD4T 2
## GTGCGGTCATTGGCGC.1_7	YUTAU	NK 3
## GTGCGGTCAGAGCTT.1_7	YUTAU	CD4T 5
## GTGCTTCAGCCACGCT.1_7	YUTAU	B 6
## GTGCTTCAGGAGTTTA.1_7	YUTAU	Mono 3
## GTGCTTCAGTACACCT.1_7	YUTAU	Mono 3
## GTGCTTCAGTGTGAAT.1_7	YUTAU	Mono 7
## GTGCTTCAGTTCGCAT.1_7	YUTAU	CD4T 5
## GTGCTTCCAAGAAAGG.1_7	YUTAU	TNKT 2
## GTGCTTCCAAGGTTCT.1_7	YUTAU	NK 1
## GTGCTTCCACCCAGTG.1_7	YUTAU	CD8T 1
## GTGCTTCCATGCGCAC.1_7	YUTAU	CD4T 1
## GTGCTTCGTTCATGA.1_7	YUTAU	Mono 9
## GTGCTTCTCGGTAAAC.1_7	YUTAU	Mono 3
## GTGGGTCAGAGAACAG.1_7	YUTAU	CD4T 1
## GTGGGTCCAAACAACA.1_7	YUTAU	Mono 4
## GTGGGTCCAAATACAG.1_7	YUTAU	Mono 1
## GTGGGTCTTCACGGC.1_7	YUTAU	Mono 3

## GTGGGTCTCTAACGGT.1_7	YUTAU	CD4T 3
## GTGGGTCTCTTGAGGT.1_7	YUTAU	Mono 4
## GTGTGCGAGAAGAAGC.1_7	YUTAU	CD4T 1
## GTGTGCGAGATCGATA.1_7	YUTAU	CD4T 4
## GTGTGCGCACAGACTT.1_7	YUTAU	CD4T 2
## GTGTGCGCAGGGTTAG.1_7	YUTAU	CD4T 1
## GTGTGCGCATCACCT.1_7	YUTAU	CD8T 1
## GTGTGCGGTGCACGAA.1_7	YUTAU	CD4T 3
## GTGTGCGTCAGCATGT.1_7	YUTAU	Mono 5
## GTGTGCGTCTGCGGCA.1_7	YUTAU	CD4T 5
## GTGTTAGAGAGCCCAA.1_7	YUTAU	CD4T 1
## GTGTTAGCAAGGCTCC.1_7	YUTAU	CD4T 5
## GTGTTAGCAAGTCTAC.1_7	YUTAU	Mono 5
## GTGTTAGTCTCCCTGA.1_7	YUTAU	CD4T 2
## GTGTTAGTCTCGATGA.1_7	YUTAU	Mono 5
## GTTAAGCAGAGGGCTT.1_7	YUTAU	Mono 1
## GTTAAGCCAACGCACC.1_7	YUTAU	TNKT 1
## GTTAAGCCAATGAATG.1_7	YUTAU	CD4T 4
## GTTAAGCCACACCGCA.1_7	YUTAU	CD4T 1
## GTTAAGCCAGATAATG.1_7	YUTAU	CD4T 5
## GTTAAGCCATACAGCT.1_7	YUTAU	DC 1
## GTTAAGCGTGCCTTGG.1_7	YUTAU	Mono 7
## GTTAAGCGTTTCCACC.1_7	YUTAU	B 2
## GTTAAGCTCGGCCGAT.1_7	YUTAU	Mono 7
## GTTAAGCTCTTGCAAG.1_7	YUTAU	Mono 7
## GTTACAGAGTGGCACA.1_7	YUTAU	Mono 9
## GTTACAGCACCCATTC.1_7	YUTAU	TNKT 1
## GTTACAGCATGTCCTC.1_7	YUTAU	Mono 7
## GTTACAGGTAATCGCG.1_7	YUTAU	Mono 5
## GTTACAGGTAATTAGC.1_7	YUTAU	Mono 5
## GTTACAGGTAGGGACT.1_7	YUTAU	CD4T 6
## GTTACAGTCACCCGAG.1_7	YUTAU	Mono 6
## GTTACAGTCTCCCTGA.1_7	YUTAU	Mono 6
## GTTACAGTCTTGCCGT.1_7	YUTAU	Mono 7
## GTTCATTAGAATTGTG.1_7	YUTAU	Mono 6
## GTTCATTAGATCCTGT.1_7	YUTAU	Mono 7
## GTTCATTCAAAGGAAG.1_7	YUTAU	CD4T 1
## GTTCATTGTACCTACA.1_7	YUTAU	CD4T 5
## GTTCATTGTATAGGTA.1_7	YUTAU	Mono 7
## GTTCATTGTATTCTCT.1_7	YUTAU	CD4T 3
## GTTCATTGTCAGAATA.1_7	YUTAU	CD4T 1
## GTTCATTTCGCCAGCA.1_7	YUTAU	CD4T 1
## GTTCGGGAGAGGTACC.1_7	YUTAU	DC 1
## GTTCGGGGTACCATCA.1_7	YUTAU	Mono 7
## GTTCGGGGTACCTACA.1_7	YUTAU	DC 1
## GTTCGGGGTAGAAAGG.1_7	YUTAU	Mono 2
## GTTCGGGGTGTTAAGA.1_7	YUTAU	Mono 6
## GTTCGGGTCAACGGGA.1_7	YUTAU	Mono 6
## GTTCTCGAGAATGTGT.1_7	YUTAU	Mono 5
## GTTCTCGCAATGGAAT.1_7	YUTAU	Mono 5
## GTTCTCGCACTATCTT.1_7	YUTAU	Mono 3
## GTTCTCGGTCCATCCT.1_7	YUTAU	DC 1
## GTTCTCGGTGATGCCC.1_7	YUTAU	NK 2
## GTTCTCGGTTTGGGCC.1_7	YUTAU	CD8T 1

## GTTCTCGTCCAGAAGG.1_7	YUTAU	Mono 8
## GTTTCTAAGCGATATA.1_7	YUTAU	NK 1
## GTTTCTAAGCGATTCT.1_7	YUTAU	Mono 7
## GTTTCTAAGTACCGGA.1_7	YUTAU	Mono 4
## GTTTCTACACAACGCC.1_7	YUTAU	Mono 9
## GTTTCTACACATCTTT.1_7	YUTAU	Mono 7
## GTTTCTACATTCCTCG.1_7	YUTAU	Mono 7
## GTTTCTAGTCCCTACT.1_7	YUTAU	Mono 8
## GTTTCTAGTGGTAACG.1_7	YUTAU	B 2
## GTTTCTAGTGTGAATA.1_7	YUTAU	TNKT 2
## GTTTCTATCCTAAGTG.1_7	YUTAU	Mono 3
## GTTTCTATCGCACTCT.1_7	YUTAU	Mono 5
## GTTTCTATCTACTATC.1_7	YUTAU	Mono 3
## GTTTCTATCTCGCATC.1_7	YUTAU	Mono 6
## TAAACCGAGCCCTAAT.1_7	YUTAU	NK 2
## TAAACCGAGGAGTACC.1_7	YUTAU	CD4T 5
## TAAACCGCACACGCTG.1_7	YUTAU	B 2
## TAAACCGCAGAGCCAA.1_7	YUTAU	Mono 8
## TAAACCGCATGCCCGA.1_7	YUTAU	Mono 4
## TAAACCGGTTCCCTTG.1_7	YUTAU	Mono 4
## TAAGAGAAGAAAGTGG.1_7	YUTAU	Mono 7
## TAAGAGAAGCAATCTC.1_7	YUTAU	Mono 7
## TAAGAGAAGCTAGTTC.1_7	YUTAU	CD4T 6
## TAAGAGAAGGATGTAT.1_7	YUTAU	CD4T 1
## TAAGAGACAAGCGTAG.1_7	YUTAU	CD4T 7
## TAAGAGAGTAGCTGCC.1_7	YUTAU	CD8T 1
## TAAGAGAGTATAGGTA.1_7	YUTAU	CD4T 1
## TAAGAGATCTTGAGAC.1_7	YUTAU	Mono 3
## TAAGCGTAGGGTTCCC.1_7	YUTAU	CD4T 7
## TAAGCGTCACAAGCCC.1_7	YUTAU	Mono 4
## TAAGCGTCACGCCAGT.1_7	YUTAU	Mono 1
## TAAGCGTCATTCCTCG.1_7	YUTAU	B 1
## TAAGCGGTACAGTGG.1_7	YUTAU	Mono 5
## TAAGCGGTGCTAGCC.1_7	YUTAU	NK 2
## TAAGCGTTCTACTATC.1_7	YUTAU	CD4T 1
## TAAGTGCAGTCGTTTG.1_7	YUTAU	B 1
## TAAGTGCAGTGACATA.1_7	YUTAU	CD4T 5
## TAAGTGCGTACGAAAT.1_7	YUTAU	Mono 3
## TAAGTGCGTCAATACC.1_7	YUTAU	CD4T 1
## TAAGTGCGTCCGAATT.1_7	YUTAU	CD4T 6
## TAAGTGCTCACAAACC.1_7	YUTAU	Mono 7
## TAAGTGCTCATCACCC.1_7	YUTAU	CD8T 1
## TAAGTGCTCATCGATG.1_7	YUTAU	Mono 8
## TAAGTGCTCCTCAATT.1_7	YUTAU	Mono 5
## TACACGAAGAACTGTA.1_7	YUTAU	Mono 7
## TACACGAAGAGGGATA.1_7	YUTAU	CD4T 5
## TACACGAAGCCCTAAT.1_7	YUTAU	CD4T 6
## TACACGAAGCTGCCCA.1_7	YUTAU	CD4T 3
## TACACGAAGGCCATAG.1_7	YUTAU	Mono 3
## TACACGATCAGAAATG.1_7	YUTAU	CD4T 1
## TACACGATCAGCCTAA.1_7	YUTAU	Mono 6
## TACACGATCGACCAGC.1_7	YUTAU	CD4T 2
## TACAGTGAGGCATGTG.1_7	YUTAU	CD4T 1
## TACAGTGCAAAGAATC.1_7	YUTAU	Mono 6

## TACAGTGCAATGGAGC.1_7	YUTAU	CD4T 6
## TACAGTGCACAACGTT.1_7	YUTAU	Mono 3
## TACAGTGCACCAACCG.1_7	YUTAU	B 1
## TACAGTGCACTACAGT.1_7	YUTAU	Mono 7
## TACAGTGGTCAACATC.1_7	YUTAU	Mono 3
## TACAGTGGTTACAGAA.1_7	YUTAU	CD4T 2
## TACAGTGTCCACGAAT.1_7	YUTAU	CD4T 1
## TACCTATAGGCTAGAC.1_7	YUTAU	CD4T 1
## TACCTATCAAACCCAT.1_7	YUTAU	CD4T 7
## TACCTATCAATGGAGC.1_7	YUTAU	NK 3
## TACCTATCACAACGCC.1_7	YUTAU	Mono 6
## TACCTATCAGACACTT.1_7	YUTAU	Mono 6
## TACCTATCATGTCGAT.1_7	YUTAU	CD8T 1
## TACCTATGTAGGGACT.1_7	YUTAU	CD4T 5
## TACCTATTCGTGGTCG.1_7	YUTAU	Mono 7
## TACCTTACAAGTTCT.1_7	YUTAU	CD4T 5
## TACCTTAGTCCGTGAC.1_7	YUTAU	CD4T 5
## TACCTTATCAATCACG.1_7	YUTAU	CD8T 1
## TACCTTATCAGGTAAA.1_7	YUTAU	NK 1
## TACGGATAGAAAAGTGG.1_7	YUTAU	TNKT 1
## TACGGATAGGCACATG.1_7	YUTAU	Mono 4
## TACGGATCATGGAATA.1_7	YUTAU	Mono 5
## TACGGATGTAGCAAAT.1_7	YUTAU	NK 1
## TACGGATGTCAAGCGA.1_7	YUTAU	NK 1
## TACGGATTCACTTATC.1_7	YUTAU	CD4T 6
## TACGGATTCCTAGAAC.1_7	YUTAU	Mono 5
## TACGGATTCGAACGGA.1_7	YUTAU	CD8T 1
## TACGGATTCTCGAGTA.1_7	YUTAU	CD4T 5
## TACGGATTCTGTTTGT.1_7	YUTAU	DC 1
## TACGGGCGTACACCGC.1_7	YUTAU	Mono 7
## TACGGGCGTATTAGCC.1_7	YUTAU	NK 1
## TACGGGCTCAGTCCCT.1_7	YUTAU	DC 1
## TACGGGCTCATAAAGG.1_7	YUTAU	Mono 1
## TACGGTAAGCCCTAAT.1_7	YUTAU	Mono 9
## TACGGTACAGATCGGA.1_7	YUTAU	CD4T 5
## TACGGTATCAGCATGT.1_7	YUTAU	TNKT 1
## TACGGTATCGGTTTCGG.1_7	YUTAU	CD4T 3
## TACTCATAGCCCAACC.1_7	YUTAU	TNKT 1
## TACTCATCAAGAGGCT.1_7	YUTAU	CD4T 3
## TACTCATGTCGACTGC.1_7	YUTAU	CD4T 1
## TACTCATGTCTAAACC.1_7	YUTAU	Mono 6
## TACTCATGTGAAAGAG.1_7	YUTAU	CD4T 5
## TACTCATTCTATGTGG.1_7	YUTAU	CD4T 4
## TACTCGCAGGATATAC.1_7	YUTAU	Mono 6
## TACTCGCAGTCGCCGT.1_7	YUTAU	Mono 5
## TACTCGCCAAGACGTG.1_7	YUTAU	NK 1
## TACTCGCCAAGCGAGT.1_7	YUTAU	Mono 3
## TACTCGCCACCTCGTT.1_7	YUTAU	Mono 9
## TACTCGCCAGGACCCT.1_7	YUTAU	Mono 6
## TACTCGCGTAAGTGTA.1_7	YUTAU	CD4T 7
## TACTCGCGTCGCCATG.1_7	YUTAU	Mono 1
## TACTCGCGTCTCTTTA.1_7	YUTAU	Mono 6
## TACTCGCGTTGGACCC.1_7	YUTAU	NK 3
## TACTCGCTCAAAGACA.1_7	YUTAU	CD4T 5

## TACTCGCTCAACACCA.1_7	YUTAU	Mono 7
## TACTCGCTCCACGACG.1_7	YUTAU	CD8T 2
## TACTCGCTCTACTATC.1_7	YUTAU	CD4T 5
## TACTTACAGCCACCTG.1_7	YUTAU	CD8T 1
## TACTTACCACTAGTAC.1_7	YUTAU	Mono 4
## TACTTACCATCACCCT.1_7	YUTAU	DC 1
## TACTTACCATCTACGA.1_7	YUTAU	Mono 2
## TACTTACTCCTCATT.1_7	YUTAU	Mono 4
## TACTTACTCTGTTGAG.1_7	YUTAU	Mono 1
## TACTTGTAGATATGCA.1_7	YUTAU	B 2
## TACTTGTGAGGAGAG.1_7	YUTAU	DC 1
## TACTTGTGTGAGGGAG.1_7	YUTAU	TNKT 1
## TACTTGTGTTTAGGAA.1_7	YUTAU	TNKT 1
## TACTTGTTCOAACCA.1_7	YUTAU	CD4T 7
## TACTTGTTCGAGCCA.1_7	YUTAU	Mono 3
## TACTTGTTCGTTCC.1_7	YUTAU	Mono 5
## TAGACCAAGCCAACAG.1_7	YUTAU	Mono 4
## TAGACCAAGCCAATT.1_7	YUTAU	CD4T 3
## TAGACCACAAGCGTAG.1_7	YUTAU	Mono 3
## TAGACCACAATAGCAA.1_7	YUTAU	Mono 4
## TAGACCACAGGCTGAA.1_7	YUTAU	Mono 2
## TAGACCACATTTGCC.1_7	YUTAU	Mono 1
## TAGACCAGTCACTGGC.1_7	YUTAU	Mono 1
## TAGACCATCAAAGTAG.1_7	YUTAU	Mono 7
## TAGACCATCCGCAGTG.1_7	YUTAU	Mono 3
## TAGACCATCCTAGAAC.1_7	YUTAU	Mono 7
## TAGACCATCTAACTTC.1_7	YUTAU	CD4T 7
## TAGAGCTAGAAGGACA.1_7	YUTAU	CD4T 5
## TAGAGCTAGATGCGAC.1_7	YUTAU	Mono 4
## TAGAGCTAGTAATCCC.1_7	YUTAU	CD4T 2
## TAGAGCTAGTACTTGC.1_7	YUTAU	B 1
## TAGAGCTCAAGTAGTA.1_7	YUTAU	Mono 3
## TAGAGCTGTGGTGTAG.1_7	YUTAU	DC 1
## TAGAGCTTCAACCATG.1_7	YUTAU	CD4T 3
## TAGAGCTTCCAGGTG.1_7	YUTAU	Mono 7
## TAGAGCTTCCCTAATT.1_7	YUTAU	NK 2
## TAGAGCTTCTCGTTTA.1_7	YUTAU	CD4T 1
## TAGCCGGAGGCGACAT.1_7	YUTAU	Mono 4
## TAGCCGGCAGAGCCAA.1_7	YUTAU	CD4T 6
## TAGCCGGCAGTCTTCC.1_7	YUTAU	TNKT 1
## TAGCCGGGTAAGGATT.1_7	YUTAU	Mono 7
## TAGCCGGGTCTGCTT.1_7	YUTAU	CD8T 1
## TAGCCGGTCACAAACC.1_7	YUTAU	Mono 6
## TAGGCATAGAATAGGG.1_7	YUTAU	Mono 6
## TAGGCATAGCCACTAT.1_7	YUTAU	NK 2
## TAGGCATAGTACGTAA.1_7	YUTAU	Mono 6
## TAGGCATCACAGCCCA.1_7	YUTAU	DC 1
## TAGGCATGTCCATGAT.1_7	YUTAU	NK 1
## TAGGCATTATGTCCC.1_7	YUTAU	Mono 4
## TAGGCATTCTAACTTC.1_7	YUTAU	Mono 3
## TAGTGGTAGAAACCGC.1_7	YUTAU	CD4T 1
## TAGTGGTAGTTGAGTA.1_7	YUTAU	DC 1
## TAGTGGTCAAAGGCGT.1_7	YUTAU	Mono 3
## TAGTGGTCAACTTGAC.1_7	YUTAU	Mono 9

## TAGTGGTCACGGTAAG.1_7	YUTAU	DC 1
## TAGTGGTGTGCACTTA.1_7	YUTAU	NK 1
## TAGTGGTTCAGCGACC.1_7	YUTAU	B 3
## TAGTTGGAGAAAACCGC.1_7	YUTAU	CD8T 1
## TAGTTGGAGAGGGCTT.1_7	YUTAU	CD8T 2
## TAGTTGGAGGAATGGA.1_7	YUTAU	Mono 7
## TAGTTGGCACAACGT.1_7	YUTAU	Mono 4
## TAGTTGGCAGCGAACA.1_7	YUTAU	DC 1
## TAGTTGGGTACCATCA.1_7	YUTAU	CD4T 7
## TAGTTGGGTAGCGATG.1_7	YUTAU	Mono 5
## TAGTTGGGTGCGAAAC.1_7	YUTAU	NK 3
## TATCAGGCAACTGGCC.1_7	YUTAU	CD4T 1
## TATCAGGCATATACCG.1_7	YUTAU	Mono 5
## TATCAGGGTGGAAGA.1_7	YUTAU	TNKT 1
## TATCAGGTCACCGTAA.1_7	YUTAU	CD4T 2
## TATCAGGTCCAAAGTC.1_7	YUTAU	Mono 7
## TATCAGGTCGATGAGG.1_7	YUTAU	CD8T 1
## TATCTCAGTGACGGTA.1_7	YUTAU	Mono 1
## TATCTCAGTTACAGAA.1_7	YUTAU	Mono 5
## TATCTCAGTTCGTGAT.1_7	YUTAU	CD4T 1
## TATCTCATCAAACAAG.1_7	YUTAU	CD4T 1
## TATCTCATCACAATGC.1_7	YUTAU	Mono 7
## TATCTCATCCGAAGAG.1_7	YUTAU	Mono 6
## TATCTCATCCTAGAAC.1_7	YUTAU	Mono 6
## TATCTCATCTAAGCCA.1_7	YUTAU	CD4T 1
## TATGCCCAGATACACA.1_7	YUTAU	CD4T 3
## TATGCCCAGCGCCTTG.1_7	YUTAU	Mono 4
## TATGCCCAGCTAAGAT.1_7	YUTAU	Mono 3
## TATGCCCAGGCGATAC.1_7	YUTAU	Mono 3
## TATGCCCCAAGGGTCA.1_7	YUTAU	CD4T 4
## TATGCCCCACCTCGTT.1_7	YUTAU	CD4T 2
## TATGCCCCACGGATAG.1_7	YUTAU	Mono 7
## TATGCCCCATCAGTCA.1_7	YUTAU	Mono 7
## TATGCCCCTTGGTAAA.1_7	YUTAU	Mono 4
## TATGCCCTCAAGGTAA.1_7	YUTAU	Mono 7
## TATGCCCTCCTCAATT.1_7	YUTAU	Mono 1
## TATGCCCTCTTGAGGT.1_7	YUTAU	NK 1
## TATTACCAGAACTGTA.1_7	YUTAU	CD4T 1
## TATTACCAGAGGTTAT.1_7	YUTAU	CD4T 2
## TATTACCAGCAATCTC.1_7	YUTAU	CD4T 1
## TATTACCCACAGACTT.1_7	YUTAU	CD4T 3
## TATTACCTCAAACCAC.1_7	YUTAU	CD4T 5
## TATTACCTCGGCGCAT.1_7	YUTAU	B 3
## TATTACCTCGTTACAG.1_7	YUTAU	Mono 7
## TATTACCTCTCGAGTA.1_7	YUTAU	Mono 5
## TCAACGAAGATCCCAT.1_7	YUTAU	Mono 7
## TCAACGACAAGAAGAG.1_7	YUTAU	Mono 5
## TCAACGACACAGACTT.1_7	YUTAU	CD4T 5
## TCAACGACATGAGCGA.1_7	YUTAU	B 1
## TCAACGAGTCTCCCTA.1_7	YUTAU	Mono 4
## TCAATCTAGCCCTAAT.1_7	YUTAU	Mono 8
## TCAATCTAGTGGACGT.1_7	YUTAU	CD4T 2
## TCAATCTCAAGGTTCT.1_7	YUTAU	CD8T 2
## TCAATCTCACATCCGG.1_7	YUTAU	Mono 7

## TCAATCTCAGTCACTA.1_7	YUTAU	Mono 4
## TCAATCTTCTGGAGCC.1_7	YUTAU	Mono 2
## TCACAAGAGAAAGTGG.1_7	YUTAU	Mono 8
## TCACAAGAGATCCCAT.1_7	YUTAU	TNKT 1
## TCACAAGCATAGAAAC.1_7	YUTAU	CD4T 2
## TCACAAGCATGACATC.1_7	YUTAU	Mono 5
## TCACAAGCATGCCCGA.1_7	YUTAU	CD4T 2
## TCACAAGCATGGGACA.1_7	YUTAU	Mono 1
## TCACAAGGTCATATCG.1_7	YUTAU	Mono 3
## TCACAAGTCAACGGGA.1_7	YUTAU	CD4T 4
## TCACGAAAGAGGGATA.1_7	YUTAU	Mono 9
## TCACGAAAGGCCATAG.1_7	YUTAU	Mono 3
## TCACGAACAAAGAATC.1_7	YUTAU	CD8T 2
## TCACGAACAGATGGGT.1_7	YUTAU	CD4T 2
## TCACGAACATCGACGC.1_7	YUTAU	B 2
## TCACGAATCAGAGACG.1_7	YUTAU	B 2
## TCACGAATCAGCGACC.1_7	YUTAU	Mono 6
## TCACGAATCTAAGCCA.1_7	YUTAU	Mono 2
## TCAGATGAGGCCCTCA.1_7	YUTAU	CD4T 2
## TCAGATGCAAACCCAT.1_7	YUTAU	TNKT 1
## TCAGATGCAAGGTGTG.1_7	YUTAU	Mono 7
## TCAGATGCAGTAAGCG.1_7	YUTAU	CD4T 4
## TCAGATGCAGTAGAGC.1_7	YUTAU	NK 4
## TCAGATGGTAGAAGGA.1_7	YUTAU	CD4T 5
## TCAGATGTCACATAGC.1_7	YUTAU	Mono 3
## TCAGATGTCCTACAGA.1_7	YUTAU	Mono 6
## TCAGCAAAGGTAGCTG.1_7	YUTAU	CD4T 1
## TCAGCAACACACGCTG.1_7	YUTAU	B 1
## TCAGCAAGTGCTGTAT.1_7	YUTAU	CD8T 2
## TCAGCAATCAGCGATT.1_7	YUTAU	Mono 4
## TCAGCAATCAGTCCCT.1_7	YUTAU	CD8T 1
## TCAGCAATCATCTGCC.1_7	YUTAU	Mono 5
## TCAGCAATCCCATTTA.1_7	YUTAU	B 2
## TCAGCTCAGATCGATA.1_7	YUTAU	Mono 9
## TCAGCTCAGCCGGTAA.1_7	YUTAU	B 2
## TCAGCTCAGTTAACGA.1_7	YUTAU	NK 1
## TCAGCTCCACCCTATC.1_7	YUTAU	Mono 1
## TCAGCTCCACGTGAGA.1_7	YUTAU	Mono 8
## TCAGCTCCAGCTGCAC.1_7	YUTAU	B 3
## TCAGCTCGTACTCGCG.1_7	YUTAU	B 4
## TCAGCTCGTCTGATCA.1_7	YUTAU	Mono 7
## TCAGCTCGTGTAACGG.1_7	YUTAU	CD4T 1
## TCAGCTCGTTAAGTAG.1_7	YUTAU	Mono 7
## TCAGCTCTCTGTCAAG.1_7	YUTAU	Mono 7
## TCAGGATAGCCTCGTG.1_7	YUTAU	Mono 6
## TCAGGATAGCTAACAA.1_7	YUTAU	B 2
## TCAGGATAGTAAGTAC.1_7	YUTAU	Mono 5
## TCAGGATAGTCGATAA.1_7	YUTAU	CD8T 1
## TCAGGATCAATGAATG.1_7	YUTAU	CD4T 3
## TCAGGATCACATTTCT.1_7	YUTAU	Mono 7
## TCAGGATCATTTGCCC.1_7	YUTAU	CD8T 2
## TCAGGATTCTCCCTGA.1_7	YUTAU	Mono 5
## TCAGGATTCTTGCAAG.1_7	YUTAU	Mono 4
## TCAGGTAAGAGACTAT.1_7	YUTAU	CD4T 2

## TCAGGTACAAAGGCGT.1_7	YUTAU	Mono 4
## TCAGGTAGTCTCCCTA.1_7	YUTAU	Mono 4
## TCAGGTAGTGAAATCA.1_7	YUTAU	CD4T 5
## TCAGGTAGTGCACGAA.1_7	YUTAU	Mono 7
## TCAGGTAGTTGAACTC.1_7	YUTAU	Mono 5
## TCAGGTATCTGTTGAG.1_7	YUTAU	Mono 7
## TCATTACAGCAGGCTA.1_7	YUTAU	CD4T 5
## TCATTACAGTACGCCC.1_7	YUTAU	Mono 6
## TCATTACCATGACGGA.1_7	YUTAU	TNKT 1
## TCATTACGTAAAGTCA.1_7	YUTAU	B 1
## TCATTACGTAAGAGAG.1_7	YUTAU	CD8T 2
## TCATTACGTACAGACG.1_7	YUTAU	CD8T 1
## TCATTACGTGAAAGAG.1_7	YUTAU	CD4T 7
## TCATTACGTTCAGGCC.1_7	YUTAU	Mono 6
## TCATTACGTTCTCCA.1_7	YUTAU	NK 3
## TCATTACTCCATGCTC.1_7	YUTAU	CD4T 3
## TCATTACTCGAACTGT.1_7	YUTAU	Mono 9
## TCATTACTCGCCAAAT.1_7	YUTAU	NK 3
## TCATTTGCATCCAACA.1_7	YUTAU	Mono 9
## TCATTTGGTCAATACC.1_7	YUTAU	CD4T 1
## TCATTTGGTGACGGTA.1_7	YUTAU	CD4T 6
## TCATTTGGTGGCGAAT.1_7	YUTAU	Mono 7
## TCATTTGTCCTTGGTC.1_7	YUTAU	DC 1
## TCATTTGTCGTTGACA.1_7	YUTAU	CD4T 1
## TCCACACAGTCGCCGT.1_7	YUTAU	CD8T 1
## TCCACACGTAATCACC.1_7	YUTAU	Mono 3
## TCCACACGTTATGCGT.1_7	YUTAU	Mono 5
## TCCCACTCAATAAGG.1_7	YUTAU	CD4T 5
## TCCCACTCCCGACTT.1_7	YUTAU	Mono 6
## TCCCACTCGTTTGCC.1_7	YUTAU	DC 1
## TCCCACTCTTAGAGC.1_7	YUTAU	CD8T 1
## TCCCGATAGCCAGGAT.1_7	YUTAU	Mono 2
## TCCCGATAGTAGTGG.1_7	YUTAU	Mono 9
## TCCCGATAGTCCACG.1_7	YUTAU	TNKT 2
## TCCCGATAGTGGTAGC.1_7	YUTAU	TNKT 1
## TCCCGATCAAAGTGCG.1_7	YUTAU	CD4T 4
## TCCCGATCACACAGAG.1_7	YUTAU	NK 1
## TCCCGATCAGACAAAT.1_7	YUTAU	Mono 8
## TCCCGATGTCAATGTC.1_7	YUTAU	Mono 1
## TCCCGATTCAAACGGG.1_7	YUTAU	Mono 5
## TCGAGGCAGGAGTTGC.1_7	YUTAU	CD4T 5
## TCGAGGCAGGCCCTCA.1_7	YUTAU	Mono 7
## TCGAGGCAGTCCTCCT.1_7	YUTAU	Mono 7
## TCGAGGCCAAGCTGGA.1_7	YUTAU	Mono 8
## TCGAGGCCAGGAATGC.1_7	YUTAU	Mono 5
## TCGAGGCGTAACGACG.1_7	YUTAU	TNKT 1
## TCGAGGCGTCTAAAGA.1_7	YUTAU	CD4T 1
## TCGAGGCTCCAGGGCT.1_7	YUTAU	Mono 6
## TCGAGGCTCCCAAGAT.1_7	YUTAU	CD4T 5
## TCGAGGCTCTGGTGTA.1_7	YUTAU	Mono 4
## TCGCGAGAGAGCCTAG.1_7	YUTAU	CD4T 3
## TCGCGAGAGCAGCGTA.1_7	YUTAU	CD8T 1
## TCGCGAGAGCCCAGCT.1_7	YUTAU	Mono 1
## TCGCGAGAGGGTGTTG.1_7	YUTAU	Mono 3

## TCGCGAGCACAAGCCC.1_7	YUTAU	NK 3
## TCGCGAGCACCAGTTA.1_7	YUTAU	CD4T 5
## TCGCGAGCACGTTGGC.1_7	YUTAU	CD4T 5
## TCGCGAGGTAACGCGA.1_7	YUTAU	CD8T 1
## TCGCGAGGTCTTGCGG.1_7	YUTAU	Mono 6
## TCGCGAGGTCAGGCC.1_7	YUTAU	B 1
## TCGCGAGTCAGAGGTG.1_7	YUTAU	DC 1
## TCGCGTTAGACACTAA.1_7	YUTAU	CD4T 5
## TCGCGTTAGATAGTCA.1_7	YUTAU	CD4T 1
## TCGCGTTAGCCGAAA.1_7	YUTAU	CD8T 2
## TCGCGTTAGGACTGGT.1_7	YUTAU	Mono 9
## TCGCGTTAGGGCACTA.1_7	YUTAU	B 1
## TCGCGTTCAGGTTTCA.1_7	YUTAU	Mono 6
## TCGCGTTGTCCAACA.1_7	YUTAU	TNKT 1
## TCGCGTTTCTGCTTGC.1_7	YUTAU	CD4T 4
## TCGGGACAGACTTTTCG.1_7	YUTAU	CD8T 1
## TCGGGACAGCCCAACC.1_7	YUTAU	CD4T 2
## TCGGGACGTCACCCAG.1_7	YUTAU	TNKT 2
## TCGGGACGTCTAGCCG.1_7	YUTAU	Mono 7
## TCGGGACTCATGTGGT.1_7	YUTAU	Mono 7
## TCGGGACTCGGTCTAA.1_7	YUTAU	Mono 6
## TCGGGACTCTACTATC.1_7	YUTAU	CD4T 1
## TCGGTAACAAACGCGA.1_7	YUTAU	CD8T 1
## TCGGTAACAGATCTGT.1_7	YUTAU	Mono 3
## TCGGTAACAGGATTGG.1_7	YUTAU	CD4T 1
## TCGGTAAGTACAGCAG.1_7	YUTAU	DC 1
## TCGGTAAGTACCATCA.1_7	YUTAU	Mono 7
## TCGGTAAGTGCACTTA.1_7	YUTAU	CD4T 6
## TCGGTAATCGGCGCAT.1_7	YUTAU	CD4T 5
## TCGTACCAGCGATGAC.1_7	YUTAU	Mono 8
## TCGTACCAGGCAAAGA.1_7	YUTAU	CD4T 5
## TCGTACCAGGCCATAG.1_7	YUTAU	Mono 3
## TCGTACCCAAGCCTAT.1_7	YUTAU	Mono 3
## TCGTACCCAGATCGGA.1_7	YUTAU	CD4T 5
## TCGTACCGTAGCGTGA.1_7	YUTAU	CD8T 3
## TCGTACCGTCCAAGTT.1_7	YUTAU	TNKT 1
## TCGTACCGTTCCAACA.1_7	YUTAU	Mono 5
## TCGTACCTCATGTCCC.1_7	YUTAU	Mono 7
## TCGTAGAAGACTAGGC.1_7	YUTAU	Mono 6
## TCGTAGACACAAGCCC.1_7	YUTAU	Mono 1
## TCGTAGACACCGAAAAG.1_7	YUTAU	Mono 4
## TCGTAGACAGATTGCT.1_7	YUTAU	CD8T 1
## TCGTAGACATCATCCC.1_7	YUTAU	Mono 6
## TCGTAGAGTGCGAAAAC.1_7	YUTAU	Mono 6
## TCGTAGAGTGGGTCAA.1_7	YUTAU	Mono 3
## TCTATTGAGTAACCCT.1_7	YUTAU	Mono 4
## TCTATTGCACGCATCG.1_7	YUTAU	CD4T 2
## TCTATTGGTAAGGGAA.1_7	YUTAU	B 1
## TCTATTGGTAAGTTCC.1_7	YUTAU	Mono 7
## TCTATTGGTATCGCAT.1_7	YUTAU	B 2
## TCTATTGTCCGTAGGC.1_7	YUTAU	CD4T 1
## TCTATTGTCTGCCCTA.1_7	YUTAU	CD4T 2
## TCTCATAAGCCAACAG.1_7	YUTAU	Mono 5
## TCTCATAAGGGTCGAT.1_7	YUTAU	Mono 7

## TCTCATACAATCTACG.1_7	YUTAU	NK 3
## TCTCATACACATGT.1_7	YUTAU	CD8T 1
## TCTCATACACCAGATT.1_7	YUTAU	Mono 6
## TCTCATACACGACTCG.1_7	YUTAU	B 2
## TCTCATACATCACCCT.1_7	YUTAU	Mono 7
## TCTCATAGTACACCGC.1_7	YUTAU	CD4T 2
## TCTCATAGTTTGCATG.1_7	YUTAU	CD4T 2
## TCTCATATCAACACCA.1_7	YUTAU	CD4T 5
## TCTCTAAAGCCATCGC.1_7	YUTAU	Mono 3
## TCTCTAACAAACTGCT.1_7	YUTAU	CD4T 4
## TCTCTAACAACACCCG.1_7	YUTAU	TNKT 1
## TCTCTAACAAGGACTG.1_7	YUTAU	CD4T 3
## TCTCTAACAAGCCC.1_7	YUTAU	CD4T 7
## TCTCTAACACGCATCG.1_7	YUTAU	DC 1
## TCTCTAACATGTCCTC.1_7	YUTAU	B 2
## TCTCTAAGTAACGTTC.1_7	YUTAU	TNKT 1
## TCTCTAATCAACACAC.1_7	YUTAU	Mono 2
## TCTCTAATCGCATGGC.1_7	YUTAU	DC 1
## TCTGAGACAAACAACA.1_7	YUTAU	CD4T 1
## TCTGAGACAAGAGGCT.1_7	YUTAU	CD4T 6
## TCTGAGAGTGATGTGG.1_7	YUTAU	CD4T 1
## TCTGAGAGTGTGCCTG.1_7	YUTAU	TNKT 2
## TCTGAGAGTTAAGTAG.1_7	YUTAU	CD8T 1
## TCTGAGATCGACGGAA.1_7	YUTAU	CD8T 1
## TCTGAGATCGAGAGCA.1_7	YUTAU	Mono 6
## TCTGAGATCTCCCTGA.1_7	YUTAU	Mono 8
## TCTGGAAGACTACAA.1_7	YUTAU	CD4T 6
## TCTGGAACAGGGTACA.1_7	YUTAU	B 2
## TCTGGAACATCGATTG.1_7	YUTAU	DC 1
## TCTGGAACATGTAAGA.1_7	YUTAU	NK 4
## TCTGGAAGTAGGAGTC.1_7	YUTAU	CD4T 7
## TCTGGAAGTGAAATCA.1_7	YUTAU	TNKT 2
## TCTGGAAGTTCCGTCT.1_7	YUTAU	CD8T 1
## TCTGGAATCACAGTAC.1_7	YUTAU	Mono 1
## TCTGGAATCCAATGGT.1_7	YUTAU	Mono 8
## TCTGGAATCGATCCCT.1_7	YUTAU	CD4T 7
## TCTGGAATCTCAAACG.1_7	YUTAU	DC 1
## TCTTCGGAGGAGTAGA.1_7	YUTAU	NK 2
## TCTTCGGCAACAACCT.1_7	YUTAU	CD4T 1
## TCTTCGGCACAGAGGT.1_7	YUTAU	Mono 1
## TCTTCGGGTATGAAAC.1_7	YUTAU	CD4T 7
## TCTTCGGTCCGAACGC.1_7	YUTAU	DC 1
## TCTTCGGTCTCTTATG.1_7	YUTAU	CD4T 4
## TCTTTCCAGATCCCAT.1_7	YUTAU	TNKT 2
## TCTTTCCAGATCTGCT.1_7	YUTAU	B 3
## TCTTTCCCACATAACC.1_7	YUTAU	DC 1
## TCTTTCCCACGCGAAA.1_7	YUTAU	Mono 3
## TCTTTCCCATTGAGCT.1_7	YUTAU	NK 3
## TCTTTCCGTCAAAGCG.1_7	YUTAU	CD8T 1
## TCTTTCCGTCCGTCAG.1_7	YUTAU	B 2
## TCTTTCCCTCGCAAGCC.1_7	YUTAU	Mono 7
## TCTTTCCCTCTCAAGTG.1_7	YUTAU	Mono 7
## TGAAAGAAGAGCTGCA.1_7	YUTAU	NK 3
## TGAAAGAAGAGTACAT.1_7	YUTAU	CD4T 7

## TGAAAGACAAAGAATC.1_7	YUTAU	Mono 1
## TGAAAGACAGACGTAG.1_7	YUTAU	Mono 3
## TGAAAGAGTCTAACGT.1_7	YUTAU	CD4T 1
## TGAAAGATCAGTGCAT.1_7	YUTAU	Mono 3
## TGAAAGATCGCCAAAT.1_7	YUTAU	CD8T 2
## TGACAACAGAACTGTA.1_7	YUTAU	Mono 3
## TGACAACAGACTGTAA.1_7	YUTAU	CD4T 2
## TGACAACAGCAAATCA.1_7	YUTAU	Mono 1
## TGACAACAGCCGAAA.1_7	YUTAU	Mono 3
## TGACAACAGTAACCCT.1_7	YUTAU	Mono 7
## TGACAACGTAAAGGAG.1_7	YUTAU	Mono 2
## TGACAACGTATCGCAT.1_7	YUTAU	DC 1
## TGACAACGTCATACTG.1_7	YUTAU	Mono 1
## TGACAACGTCATTAGC.1_7	YUTAU	CD4T 5
## TGACAACGTCTCAACA.1_7	YUTAU	Mono 6
## TGACAACGTTTGGGCC.1_7	YUTAU	B 1
## TGACAACCTCCAGAAGG.1_7	YUTAU	CD4T 1
## TGACAACCTCCGCGCAA.1_7	YUTAU	Mono 4
## TGACAACCTCCTAAGTG.1_7	YUTAU	B 2
## TGACAACCTCTGCCA.1_7	YUTAU	Mono 7
## TGACAACCTTTAGTC.1_7	YUTAU	Mono 5
## TGACGGCAGACCTTTG.1_7	YUTAU	Mono 7
## TGACGGCAGACTTTTCG.1_7	YUTAU	CD4T 5
## TGACGGCAGCCACCTG.1_7	YUTAU	DC 1
## TGACGGCAGCGGCTTC.1_7	YUTAU	Mono 3
## TGACGGCCACATTAGC.1_7	YUTAU	Mono 6
## TGACGGCCACCCTATC.1_7	YUTAU	TNKT 2
## TGACGGCCAGGAATCG.1_7	YUTAU	CD4T 3
## TGACGGCGTAGAGGAA.1_7	YUTAU	TNKT 1
## TGACGGCGTCCCTACT.1_7	YUTAU	CD4T 3
## TGACGGCGTGTCTTT.1_7	YUTAU	CD4T 5
## TGACGGCGTTCATGA.1_7	YUTAU	Mono 8
## TGACGGCGTTTAAGCC.1_7	YUTAU	CD4T 5
## TGACGGCTCCATGAGT.1_7	YUTAU	CD4T 4
## TGACGGCTCCGGGTGT.1_7	YUTAU	CD4T 1
## TGACGGCTCTCCCTGA.1_7	YUTAU	Mono 9
## TGACTAGAGGATGTAT.1_7	YUTAU	CD8T 3
## TGACTAGCAAAGAATC.1_7	YUTAU	CD4T 2
## TGACTAGCATAAAGGT.1_7	YUTAU	Mono 1
## TGACTAGGTCAGATAA.1_7	YUTAU	B 2
## TGACTAGGTCATGCCG.1_7	YUTAU	Mono 5
## TGACTAGGTTACGGAG.1_7	YUTAU	CD4T 5
## TGACTAGTCACTGGGC.1_7	YUTAU	Mono 7
## TGACTAGTCGTCGTTT.1_7	YUTAU	Mono 7
## TGACTTTAGCCCAGCT.1_7	YUTAU	Mono 9
## TGACTTTAGCGATCCC.1_7	YUTAU	NK 1
## TGACTTTGTCCAAGTT.1_7	YUTAU	CD8T 1
## TGACTTTTCCTCGCAT.1_7	YUTAU	CD4T 1
## TGACTTTTCTCCAGGG.1_7	YUTAU	NK 3
## TGAGAGGAGAGCAATT.1_7	YUTAU	TNKT 1
## TGAGAGGAGCACAGGT.1_7	YUTAU	DC 1
## TGAGAGGAGCGCCTCA.1_7	YUTAU	B 1
## TGAGAGGAGGTGATAT.1_7	YUTAU	CD4T 4
## TGAGAGGCAGGACCCT.1_7	YUTAU	Mono 1

## TGAGAGGCAGTAACGG.1_7	YUTAU	NK 3
## TGAGAGGTACCATCA.1_7	YUTAU	CD4T 3
## TGAGAGGTACTCGCG.1_7	YUTAU	CD4T 5
## TGAGAGGTCCTGCAGG.1_7	YUTAU	Mono 5
## TGAGAGGTCTGTGCAA.1_7	YUTAU	CD4T 1
## TGAGAGGTCTTTAGTC.1_7	YUTAU	CD4T 5
## TGAGCATAGGCATGGT.1_7	YUTAU	Mono 7
## TGAGCATCACATAACC.1_7	YUTAU	Mono 1
## TGAGCATCATCATCCC.1_7	YUTAU	Mono 4
## TGAGCATGTACAGACG.1_7	YUTAU	Mono 8
## TGAGCATGTTCCCTTG.1_7	YUTAU	Mono 7
## TGAGCATTCCAAACTG.1_7	YUTAU	Mono 1
## TGAGCATTCTCCAGGG.1_7	YUTAU	CD4T 2
## TGAGCCGAGAAGGTGA.1_7	YUTAU	NK 1
## TGAGCCGAGCGATCCC.1_7	YUTAU	CD8T 1
## TGAGCCGAGGCCCTCA.1_7	YUTAU	TNKT 2
## TGAGCCGCATTGGCGC.1_7	YUTAU	Mono 1
## TGAGCCGGTGCACGAA.1_7	YUTAU	Mono 8
## TGAGCCGTGCGACAAG.1_7	YUTAU	Mono 8
## TGAGGGAAGACATAAC.1_7	YUTAU	B 2
## TGAGGGAAGATCCCGC.1_7	YUTAU	Mono 1
## TGAGGGACAAGCGAGT.1_7	YUTAU	CD4T 4
## TGAGGGATCACATAGC.1_7	YUTAU	Mono 4
## TGAGGGATCGATGAGG.1_7	YUTAU	Mono 8
## TGATTTCAGAACAAC.1_7	YUTAU	Mono 4
## TGATTTCAGAGACGAA.1_7	YUTAU	Mono 8
## TGATTTCAGATATACG.1_7	YUTAU	Mono 7
## TGATTTCCAAAGGCGT.1_7	YUTAU	B 1
## TGATTTCCACCCTATC.1_7	YUTAU	Mono 2
## TGATTTCGTCAAAGAT.1_7	YUTAU	Mono 7
## TGATTTCGTGACAAAT.1_7	YUTAU	TNKT 2
## TGATTTCGTTGGTTTG.1_7	YUTAU	DC 1
## TGATTTCTCAAACCAC.1_7	YUTAU	Mono 5
## TGCACCTAGTGGGCTA.1_7	YUTAU	Mono 6
## TGCACCTCAAGCGCTC.1_7	YUTAU	Mono 3
## TGCACCTCACCATGTA.1_7	YUTAU	Mono 3
## TGCACCTCATACTCTT.1_7	YUTAU	CD4T 2
## TGCACCTTCTGTCCGT.1_7	YUTAU	B 1
## TGCACCTTCTTAGAGC.1_7	YUTAU	CD4T 1
## TGCCAAAAGGCGCTCT.1_7	YUTAU	CD4T 5
## TGCCAAAACAAAGGAAG.1_7	YUTAU	CD8T 2
## TGCCAAAACAAGCCTAT.1_7	YUTAU	Mono 1
## TGCCAAAACAAGTCATC.1_7	YUTAU	Mono 2
## TGCCAAACACATTTCT.1_7	YUTAU	CD8T 1
## TGCCAAACAGCTGCAC.1_7	YUTAU	CD4T 4
## TGCCAAAGTAATAGCA.1_7	YUTAU	Mono 1
## TGCCAAATCAACCATG.1_7	YUTAU	Mono 4
## TGCCAAATCCTTTCGG.1_7	YUTAU	Mono 2
## TGCCCATAGCCATCGC.1_7	YUTAU	Mono 5
## TGCCCATGTGACTGC.1_7	YUTAU	CD4T 1
## TGCCCATGTGATGTGG.1_7	YUTAU	B 2
## TGCCCATGTTAGTGGG.1_7	YUTAU	TNKT 1
## TGCCCATGTTGTACAC.1_7	YUTAU	DC 1
## TGCCCATTTCTTTAGGG.1_7	YUTAU	CD8T 1

## TGCCCTAAGACATAAC.1_7	YUTAU	Mono 7
## TGCCCTAAGTACGACG.1_7	YUTAU	Mono 7
## TGCCCTACAAAGCAAT.1_7	YUTAU	CD4T 4
## TGCCCTAGTCAGTGGA.1_7	YUTAU	DC 1
## TGCCCTAGTGCAGACA.1_7	YUTAU	NK 3
## TGCCCTATCTACTATC.1_7	YUTAU	Mono 3
## TGCCCTATCTCGCATC.1_7	YUTAU	CD4T 1
## TGCGCAGAGTACGATA.1_7	YUTAU	Mono 7
## TGCGCAGCACCGAATT.1_7	YUTAU	CD4T 6
## TGCGCAGTCGTGGGAA.1_7	YUTAU	Mono 9
## TGCGCAGTCTTCGGTC.1_7	YUTAU	Mono 6
## TGCGGGTAGAGATGAG.1_7	YUTAU	DC 1
## TGCGGGTAGTCTCCTC.1_7	YUTAU	B 2
## TGCGGGTCACAACGCC.1_7	YUTAU	Mono 1
## TGCGGGTCACCCATGG.1_7	YUTAU	TNKT 1
## TGCGGGTCATGTAAGA.1_7	YUTAU	NK 1
## TGCGGGTGCCGAACC.1_7	YUTAU	NK 3
## TGCGGGTTCATCTGCC.1_7	YUTAU	Mono 7
## TGCGGGTTCGTCTGAA.1_7	YUTAU	Mono 6
## TGCGGGTTCTAACTGG.1_7	YUTAU	CD4T 2
## TGCGGGTTCTTCGAGA.1_7	YUTAU	Mono 1
## TGCGTGGAGAAGGACA.1_7	YUTAU	Mono 3
## TGCGTGGAGAGGGATA.1_7	YUTAU	CD8T 1
## TGCGTGGAGCATCATC.1_7	YUTAU	Mono 3
## TGCGTGGAGCCATCGC.1_7	YUTAU	Mono 7
## TGCGTGGAGCGAGAAA.1_7	YUTAU	CD4T 2
## TGCGTGGAGTGGTCCC.1_7	YUTAU	Mono 3
## TGCGTGGCAAAGGAAG.1_7	YUTAU	CD4T 2
## TGCGTGGCACTAAGTC.1_7	YUTAU	NK 4
## TGCGTGGCACTGAAGG.1_7	YUTAU	CD4T 2
## TGCGTGGGTCTTCAAG.1_7	YUTAU	Mono 6
## TGCGTGGTCAAGCCTA.1_7	YUTAU	NK 1
## TGCGTGGTCAGTGTG.1_7	YUTAU	Mono 5
## TGCGTGGTCATTTGGG.1_7	YUTAU	Mono 5
## TGCGTGGTCTGAAAGA.1_7	YUTAU	Mono 4
## TGCTACCAGGTGTGGT.1_7	YUTAU	NK 2
## TGCTACCAGTAAGTAC.1_7	YUTAU	B 2
## TGCTACCAGTCCATAC.1_7	YUTAU	Mono 3
## TGCTACCGTTGAGTTC.1_7	YUTAU	CD4T 6
## TGCTACCTCAAGCCTA.1_7	YUTAU	B 1
## TGCTACCTCGCAAGCC.1_7	YUTAU	CD4T 2
## TGCTGCTAGAAGAAGC.1_7	YUTAU	Mono 7
## TGCTGCTAGAGAGCTC.1_7	YUTAU	B 1
## TGCTGCTCAACTGCTA.1_7	YUTAU	Mono 7
## TGGACGCAGATATGCA.1_7	YUTAU	Mono 7
## TGGACGCAGGGCTTCC.1_7	YUTAU	Mono 5
## TGGACGCCAATAGCGG.1_7	YUTAU	NK 1
## TGGACGCCAGTCACTA.1_7	YUTAU	Mono 1
## TGGACGCCATCGGACC.1_7	YUTAU	Mono 8
## TGGACGCTCAGAAATG.1_7	YUTAU	Mono 4
## TGGACGCTCCAATGGT.1_7	YUTAU	Mono 4
## TGGACGCTCCTTAATC.1_7	YUTAU	Mono 5
## TGGACGCTCTGAAAGA.1_7	YUTAU	Mono 8
## TGGACGCTCTGACCTC.1_7	YUTAU	NK 2

## TGGCCAGAGAGAGCTC.1_7	YUTAU	Mono 6
## TGGCCAGAGAGGTAGA.1_7	YUTAU	DC 1
## TGGCCAGAGATTACCC.1_7	YUTAU	CD4T 7
## TGGCCAGAGGGTGTGT.1_7	YUTAU	Mono 7
## TGGCCAGCAAGCCATT.1_7	YUTAU	Mono 7
## TGGCCAGCACAGACTT.1_7	YUTAU	Mono 1
## TGGCCAGCATTACCTT.1_7	YUTAU	CD4T 1
## TGGCCAGCATTCACTT.1_7	YUTAU	Mono 3
## TGGCCAGGTCCATCCT.1_7	YUTAU	Mono 6
## TGGCGCACAAAGAATC.1_7	YUTAU	Mono 8
## TGGCGCACACAGTCGC.1_7	YUTAU	CD4T 2
## TGGCGCACACTGCCAG.1_7	YUTAU	CD4T 5
## TGGCGCACATTAACCG.1_7	YUTAU	CD4T 5
## TGGCGCAGTAGCGATG.1_7	YUTAU	CD4T 1
## TGGCGCAGTAGCGTCC.1_7	YUTAU	Mono 9
## TGGCGCAGTCAATACC.1_7	YUTAU	CD8T 1
## TGGCGCATCATGCTCC.1_7	YUTAU	CD4T 5
## TGGCGCATCTAGCACA.1_7	YUTAU	Mono 5
## TGGCTGGAGTACGTAA.1_7	YUTAU	CD4T 2
## TGGCTGGAGTCAATAG.1_7	YUTAU	CD4T 5
## TGGCTGGCAATAGAGT.1_7	YUTAU	NK 4
## TGGCTGGCAGTCCTTC.1_7	YUTAU	Mono 3
## TGGCTGGGTACCAGTT.1_7	YUTAU	NK 1
## TGGCTGGTCACAGGCC.1_7	YUTAU	Mono 6
## TGGCTGGTCACTTATC.1_7	YUTAU	CD4T 5
## TGGCTGGTCATCGCTC.1_7	YUTAU	CD4T 1
## TGGGAAGAGAAACCAT.1_7	YUTAU	Mono 7
## TGGGAAGAGAAAGTGG.1_7	YUTAU	NK 4
## TGGGAAGAGTAGCCGA.1_7	YUTAU	CD8T 1
## TGGGAAGCACAGGTTT.1_7	YUTAU	Mono 3
## TGGGAAGCACTGTTAG.1_7	YUTAU	CD4T 1
## TGGGAAGGTCAGAGGT.1_7	YUTAU	Mono 9
## TGGGAAGGTGCTGTAT.1_7	YUTAU	CD4T 6
## TGGGAAGTCGCCTGAG.1_7	YUTAU	Mono 9
## TGGGCGTAGAGCTATA.1_7	YUTAU	CD4T 5
## TGGGCGTAGTTTCCTT.1_7	YUTAU	B 1
## TGGGCGTCAGTGGGAT.1_7	YUTAU	CD4T 1
## TGGGCGTGTGACAAAT.1_7	YUTAU	NK 3
## TGGTTAGCAGTCGATT.1_7	YUTAU	NK 3
## TGGTTAGCATCACCTT.1_7	YUTAU	Mono 8
## TGGTTAGGTATAATGG.1_7	YUTAU	CD4T 4
## TGGTTAGGTGGTAACG.1_7	YUTAU	CD4T 5
## TGGTTAGGTTCTCTC.1_7	YUTAU	Mono 9
## TGGTTAGTCAACCAAC.1_7	YUTAU	CD4T 2
## TGGTTAGTCATGCTCC.1_7	YUTAU	NK 2
## TGGTTAGTCGCCAAAT.1_7	YUTAU	CD8T 2
## TGGTTCCAGATGCGAC.1_7	YUTAU	CD4T 5
## TGGTTCCCACGAAATA.1_7	YUTAU	B 3
## TGGTTCCGTCCGAGTC.1_7	YUTAU	TNKT 1
## TGTATTCCAGAGGTTAT.1_7	YUTAU	CD4T 5
## TGTATTCCAGCTCGTG.1_7	YUTAU	CD4T 5
## TGTATTCCAATAAGCA.1_7	YUTAU	NK 1
## TGTATTCCACGCCAGT.1_7	YUTAU	Mono 3
## TGTATTCCAGCATGAG.1_7	YUTAU	Mono 9

## TGTATTCCATAGAAAC.1_7	YUTAU	CD4T 6
## TGTATTCCATCACCCT.1_7	YUTAU	Mono 4
## TGTATTCTGACTCGCG.1_7	YUTAU	Mono 9
## TGTATTCTGGGTATG.1_7	YUTAU	B 1
## TGTCCCAAGAGTAAGG.1_7	YUTAU	Mono 8
## TGTCCCAGTCGAACAG.1_7	YUTAU	CD4T 5
## TGTCCCAGTCGAATCT.1_7	YUTAU	Mono 6
## TGTGGTAAGACGCAAC.1_7	YUTAU	TNKT 2
## TGTGGTAAGAGACTAT.1_7	YUTAU	Mono 3
## TGTGGTAAGGAGTTGC.1_7	YUTAU	Mono 8
## TGTGGTAAGTTCCACA.1_7	YUTAU	Mono 7
## TGTGGTACATCGGACC.1_7	YUTAU	CD4T 1
## TGTGGTAGTCTAGCCG.1_7	YUTAU	CD4T 1
## TGTGGTATCAAAGACA.1_7	YUTAU	NK 1
## TGTGGTATCGGCTACG.1_7	YUTAU	CD8T 1
## TGTGTTTtagctcctct.1_7	YUTAU	Mono 1
## TGTGTTTTcagaaatg.1_7	YUTAU	CD8T 1
## TGTGTTTTccaaagtc.1_7	YUTAU	CD4T 5
## TGTGTTTTccgtagta.1_7	YUTAU	CD4T 1
## TGTTCGCGAGTATCTG.1_7	YUTAU	CD8T 1
## TGTTCGCTACCATAG.1_7	YUTAU	CD4T 2
## TTAACCTCAGACACTAA.1_7	YUTAU	Mono 1
## TTAACCTCAGACAGGCT.1_7	YUTAU	Mono 6
## TTAACCTCAGATCCCAT.1_7	YUTAU	Mono 6
## TTAACCTCCAGTAACGG.1_7	YUTAU	Mono 5
## TTAACCTCCAGTGAGTG.1_7	YUTAU	CD4T 2
## TTAACCTCGTAGCGATG.1_7	YUTAU	NK 1
## TTAACCTCGTTCACCTC.1_7	YUTAU	NK 1
## TTAACCTCTCAGTGCAT.1_7	YUTAU	B 2
## TTAACCTCTCCATGCTC.1_7	YUTAU	Mono 1
## TTAACCTCTCCCTTGTTG.1_7	YUTAU	Mono 2
## TTAACCTCTCCTCGCAT.1_7	YUTAU	CD4T 5
## TTAACCTCTCCTGCCAT.1_7	YUTAU	Mono 5
## TTAACCTCTCTAACGGT.1_7	YUTAU	B 2
## TTAACCTCTCTTGGGTA.1_7	YUTAU	Mono 1
## TTAGGACAGAACTGTA.1_7	YUTAU	Mono 6
## TTAGGACAGAGGTTAT.1_7	YUTAU	CD4T 5
## TTAGGACAGTGCGTGA.1_7	YUTAU	Mono 3
## TTAGGACAGTGGACGT.1_7	YUTAU	CD4T 4
## TTAGGACCAGACGCTC.1_7	YUTAU	Mono 7
## TTAGGACCAGATCTGT.1_7	YUTAU	CD4T 4
## TTAGGACCAGGATTGG.1_7	YUTAU	B 3
## TTAGGACGTCATATCG.1_7	YUTAU	Mono 3
## TTAGGACTCAGTGTTG.1_7	YUTAU	Mono 7
## TTAGGCAAGGTGCTTT.1_7	YUTAU	Mono 3
## TTAGGCACAGCTGCTG.1_7	YUTAU	CD4T 6
## TTAGGCACATTTCACT.1_7	YUTAU	Mono 1
## TTAGGCAGTACCGAGA.1_7	YUTAU	Mono 5
## TTAGGCAGTACTTAGC.1_7	YUTAU	Mono 7
## TTAGTTTCAGAGGTTAT.1_7	YUTAU	Mono 7
## TTAGTTTCAGCAGATCG.1_7	YUTAU	Mono 6
## TTAGTTTCAGCCACTAT.1_7	YUTAU	Mono 1
## TTAGTTTCAGTAATCCC.1_7	YUTAU	Mono 9
## TTAGTTTCAGTCCGTAT.1_7	YUTAU	Mono 8

## TTAGTTCCATCGATGT.1_7	YUTAU	B 2
## TTAGTTCGTCGAGTTT.1_7	YUTAU	Mono 1
## TTAGTTCGTGGGTATG.1_7	YUTAU	CD8T 1
## TTAGTTCGTTCCTCCA.1_7	YUTAU	NK 2
## TTAGTTCGTTTAGGAA.1_7	YUTAU	Mono 1
## TTAGTTCGTTTGGCGC.1_7	YUTAU	Mono 3
## TTAGTTCTCTTTAGGG.1_7	YUTAU	Mono 6
## TTATGCTAGATAGTCA.1_7	YUTAU	NK 1
## TTATGCTAGCCCAACC.1_7	YUTAU	TNKT 1
## TTATGCTCATTAGCCA.1_7	YUTAU	CD4T 1
## TTATGCTGTCTCCATC.1_7	YUTAU	Mono 7
## TTATGCTTCAAGCCTA.1_7	YUTAU	DC 1
## TTATGCTTCAATACCG.1_7	YUTAU	Mono 2
## TTATGCTTCCCATTAT.1_7	YUTAU	CD4T 7
## TTATGCTTCTGCGTAA.1_7	YUTAU	CD4T 6
## TTTCCAGAGAAGGCCT.1_7	YUTAU	NK 4
## TTTCCAGAGGCAAAGA.1_7	YUTAU	Mono 7
## TTTCCAGAGGCGACAT.1_7	YUTAU	CD4T 5
## TTTCCAGCACACCGAC.1_7	YUTAU	CD8T 2
## TTTCCAGCAGACAAGC.1_7	YUTAU	Mono 6
## TTTCCAGCATCCCACT.1_7	YUTAU	CD8T 1
## TTTCCAGGTCAGTGG.1_7	YUTAU	CD4T 1
## TTTCCAGTCCGAAGAG.1_7	YUTAU	Mono 6
## TTCGAAGAGAAGGCCT.1_7	YUTAU	Mono 1
## TTCGAAGAGACTACAA.1_7	YUTAU	CD4T 1
## TTCGAAGAGCCGAAA.1_7	YUTAU	Mono 9
## TTCGAAGAGGAATGGA.1_7	YUTAU	Mono 4
## TTCGAAGCAATGAATG.1_7	YUTAU	Mono 4
## TTCGAAGCACCATGTA.1_7	YUTAU	CD4T 5
## TTCGAAGCAGCTCCGA.1_7	YUTAU	Mono 6
## TTCGAAGCAGCTTAAC.1_7	YUTAU	Mono 3
## TTCGAAGCATAACCTG.1_7	YUTAU	DC 1
## TTCGGTCAGACCTAGG.1_7	YUTAU	CD8T 2
## TTCGGTCAGCACGCCT.1_7	YUTAU	Mono 9
## TTCGGTCAGGGTGTTG.1_7	YUTAU	Mono 4
## TTCGGTCAGTCCCACG.1_7	YUTAU	Mono 7
## TTCGGTCCAGGACGTA.1_7	YUTAU	DC 1
## TTCGGTCCATATACGC.1_7	YUTAU	CD4T 3
## TTCGGTCGTATAATGG.1_7	YUTAU	Mono 7
## TTCGGTCGTGACGGTA.1_7	YUTAU	CD4T 3
## TTCGGTCTCTTTAGGG.1_7	YUTAU	Mono 1
## TTCTACAAGAGTCGGT.1_7	YUTAU	Mono 7
## TTCTACAAGTGCCATT.1_7	YUTAU	Mono 5
## TTCTACACACAAGTAA.1_7	YUTAU	NK 3
## TTCTACACACTTAAGC.1_7	YUTAU	Mono 3
## TTCTACAGTCAGAGGT.1_7	YUTAU	Mono 7
## TTCTACAGTCGCATAT.1_7	YUTAU	Mono 3
## TTCTACATCGCAAGCC.1_7	YUTAU	B 1
## TTCTCAAAGCACGCCT.1_7	YUTAU	Mono 5
## TTCTCAAAGCCGCCTA.1_7	YUTAU	Mono 7
## TTCTCAACAATGAATG.1_7	YUTAU	Mono 9
## TTCTCAAGTAGAGTGC.1_7	YUTAU	Mono 7
## TTCTCAAGTAGCGATG.1_7	YUTAU	Mono 4
## TTCTCAAGTAGGAGTC.1_7	YUTAU	CD8T 1

## TTCTCAATCTATGTGG.1_7	YUTAU	CD4T 1
## TTCTCCTAGAAGGCCT.1_7	YUTAU	Mono 7
## TTCTCCTAGTGAAGAG.1_7	YUTAU	CD4T 5
## TTCTCCTGTAAGTTCC.1_7	YUTAU	Mono 5
## TTCTCCTGTAATCACC.1_7	YUTAU	Mono 1
## TTCTCCTGTACAGACG.1_7	YUTAU	CD8T 1
## TTCTCCTGTATAAACG.1_7	YUTAU	Mono 8
## TTCTCCTGTCATACTG.1_7	YUTAU	CD4T 1
## TTCTCCTGTGGTAACG.1_7	YUTAU	Mono 9
## TTCTCCTTCGAATGGG.1_7	YUTAU	NK 1
## TTCTTAGAGCTGATAA.1_7	YUTAU	NK 3
## TTCTTAGAGGCCCTCA.1_7	YUTAU	Mono 7
## TTCTTAGCATCCGTGG.1_7	YUTAU	NK 1
## TTCTTAGCATGACGGA.1_7	YUTAU	Mono 8
## TTCTTAGGTGTAAGTA.1_7	YUTAU	Mono 7
## TTGAACGAGATCCCAT.1_7	YUTAU	CD4T 7
## TTGAACGCAACAACCT.1_7	YUTAU	Mono 8
## TTGAACGCAAGCTGTT.1_7	YUTAU	CD4T 1
## TTGAACGCACATAACC.1_7	YUTAU	Mono 4
## TTGAACGCACGTCAGC.1_7	YUTAU	CD8T 1
## TTGAACGGTACGAAAT.1_7	YUTAU	Mono 5
## TTGAACGGTAGGAGTC.1_7	YUTAU	NK 1
## TTGAACGGTCATCCCT.1_7	YUTAU	NK 2
## TTGAACGTCAGTTTGG.1_7	YUTAU	Mono 3
## TTGAACGTCTGGCGTG.1_7	YUTAU	CD8T 1
## TTGACTTAGAGGGATA.1_7	YUTAU	Mono 8
## TTGACTTAGGGATCTG.1_7	YUTAU	Mono 3
## TTGACTTCAACAACCT.1_7	YUTAU	Mono 2
## TTGACTTCATTGTGCA.1_7	YUTAU	NK 3
## TTGACTTTCGCTAGCG.1_7	YUTAU	B 1
## TTGCCGTAGCAGCGTA.1_7	YUTAU	CD4T 6
## TTGCCGTAGTGAATTG.1_7	YUTAU	Mono 4
## TTGCCGTCAAGCCGTC.1_7	YUTAU	Mono 3
## TTGCCGTCAATGTAAG.1_7	YUTAU	B 2
## TTGCCGTACATGGGA.1_7	YUTAU	B 1
## TTGCCGTGTAAACACA.1_7	YUTAU	Mono 3
## TTGCCGTGTGGTGGA.1_7	YUTAU	Mono 8
## TTGCCGTTCATAAAGG.1_7	YUTAU	Mono 7
## TTGCCGTCCAACGCACC.1_7	YUTAU	Mono 9
## TTGCCGTCCAAGCTGAG.1_7	YUTAU	B 1
## TTGCCGTCCACCAGGTC.1_7	YUTAU	Mono 8
## TTGCCGTCCAGCTGCTG.1_7	YUTAU	CD4T 5
## TTGCCGTCCAGGGTATG.1_7	YUTAU	Mono 9
## TTGCCGTCCATACAGCT.1_7	YUTAU	Mono 5
## TTGCCGTCTCCCTACT.1_7	YUTAU	Mono 3
## TTGCCGTCTCAGCGACC.1_7	YUTAU	CD8T 1
## TTGCCGTCTCATGTAGC.1_7	YUTAU	Mono 3
## TTGCCGTCTCCCAAGTA.1_7	YUTAU	NK 1
## TTGCCGTCTCTGATTCT.1_7	YUTAU	Mono 6
## TTGGAACAGGGATAACC.1_7	YUTAU	Mono 4
## TTGGAACAGGTGACCA.1_7	YUTAU	DC 1
## TTGGAACAGTTATCGC.1_7	YUTAU	Mono 4
## TTGGAACCAAGTCTGT.1_7	YUTAU	Mono 3
## TTGGAACCAATAGCAA.1_7	YUTAU	Mono 8

## TTGGAACCACATCCGG.1_7	YUTAU	CD8T 2
## TTGGAACCAGTGGGAT.1_7	YUTAU	Mono 4
## TTGGAACGTAAGAGAG.1_7	YUTAU	CD4T 5
## TTGGAACGTACTTAGC.1_7	YUTAU	CD4T 2
## TTGGAACGTCAACATC.1_7	YUTAU	DC 1
## TTGGAACGTCTACCTC.1_7	YUTAU	Mono 5
## TTGGAACCTCAGAGCTT.1_7	YUTAU	Mono 2
## TTGGAACCTCAATGGT.1_7	YUTAU	CD4T 1
## TTGGCAAAGAGACTTA.1_7	YUTAU	Mono 7
## TTGGCAAACAAGAATC.1_7	YUTAU	CD4T 6
## TTGGCAACACGAAGCA.1_7	YUTAU	NK 1
## TTGGCAACAGGGCATA.1_7	YUTAU	Mono 6
## TTGGCAACATGGTCTA.1_7	YUTAU	B 1
## TTGGCAAGTATATCCG.1_7	YUTAU	CD4T 2
## TTGGCAAGTGCCTGGT.1_7	YUTAU	CD4T 1
## TTGGCAAGTGTGACGA.1_7	YUTAU	CD4T 4
## TTGGCAATCGATAGAA.1_7	YUTAU	Mono 5
## TTGGCAATCGTTTAGG.1_7	YUTAU	CD8T 1
## TTGTAGGAGAAAACCGC.1_7	YUTAU	Mono 3
## TTGTAGGAGAACTGTA.1_7	YUTAU	Mono 2
## TTGTAGGAGAAATAGGG.1_7	YUTAU	CD4T 2
## TTGTAGGAGTAGCCGA.1_7	YUTAU	CD4T 1
## TTGTAGGCAACGATCT.1_7	YUTAU	CD8T 1
## TTGTAGGGTCTCCACT.1_7	YUTAU	NK 1
## TTGTAGGGTTCCTTG.1_7	YUTAU	CD4T 6
## TTTACTGAGTTTAGGA.1_7	YUTAU	B 1
## TTTACTGCACAAGCCC.1_7	YUTAU	Mono 9
## TTTACTGCATGCCCGA.1_7	YUTAU	TNKT 2
## TTTACTGGTAGCAAAT.1_7	YUTAU	CD4T 4
## TTTACTGGTCTCTTTA.1_7	YUTAU	Mono 3
## TTTACTGGTGAGGGTT.1_7	YUTAU	CD4T 3
## TTTACTGGTTAAGATG.1_7	YUTAU	CD4T 6
## TTTATGCAGACGCTTT.1_7	YUTAU	B 2
## TTTATGCCAACGATGG.1_7	YUTAU	Mono 7
## TTTATGCCAAGCCAC.1_7	YUTAU	Mono 3
## TTTATGCCATGCCCGA.1_7	YUTAU	Mono 6
## TTTATGCCATGTCGAT.1_7	YUTAU	CD4T 3
## TTTATGCGTCAGAATA.1_7	YUTAU	Mono 3
## TTTATGCTCAAGAAGT.1_7	YUTAU	CD4T 5
## TTTATGCTCAATAAGG.1_7	YUTAU	TNKT 1
## TTTATGCTCTGGCGAC.1_7	YUTAU	Mono 7
## TTCCTCAGTGTTAGA.1_7	YUTAU	B 1
## TTCCTCCAAAGAATC.1_7	YUTAU	Mono 5
## TTCCTCCAGGTGCCT.1_7	YUTAU	NK 4
## TTCCTCGTCCAAGTT.1_7	YUTAU	Mono 1
## TTCCTCGTCTAGAGG.1_7	YUTAU	CD8T 2
## TTCCTCGTCTCATCC.1_7	YUTAU	DC 1
## TTCCTCGTTAAGATG.1_7	YUTAU	TNKT 2
## TTCCTCTCATCACCC.1_7	YUTAU	NK 1
## TTCCTCTCGAGCCCA.1_7	YUTAU	CD4T 1
## TTGCGCAGACCACGA.1_7	YUTAU	NK 1
## TTGCGCAGAGTTGGC.1_7	YUTAU	Mono 1
## TTGCGCAGCGGCTTC.1_7	YUTAU	NK 3
## TTGCGCCAATCTACG.1_7	YUTAU	CD4T 3

## TTTGCGCCACGGCCAT.1_7	YUTAU	NK 1
## TTTGCGCCATTCTTAC.1_7	YUTAU	Mono 7
## TTTGCGCTCCAAATGC.1_7	YUTAU	CD4T 5
## TTTGCGCTCTGGGTA.1_7	YUTAU	Mono 9
## TTTGGTTAGTGGGTTG.1_7	YUTAU	B 2
## TTTGGTTAGTTGAGTA.1_7	YUTAU	Mono 5
## TTTGGTTCAAATACAG.1_7	YUTAU	Mono 6
## TTTGGTTCAAGCCATT.1_7	YUTAU	Mono 7
## TTTGGTTCAATCAGAA.1_7	YUTAU	Mono 7
## TTTGGTTGTCCGAGTC.1_7	YUTAU	TNKT 2
## TTTGGTTGTGAGGGAG.1_7	YUTAU	CD4T 2
## TTTGGTTTCTATCCTA.1_7	YUTAU	B 1
## TTTGTCACACATGGGA.1_7	YUTAU	CD8T 1
## TTTGTCAGTATAGGGC.1_7	YUTAU	CD4T 7
## TTTGTCATCCCTCTTT.1_7	YUTAU	CD4T 5
## AAACCTGTCCGATATG.1_8	YUVARDO	CD4T 5
## AAACGGGCAAGAAGAG.1_8	YUVARDO	CD4T 3
## AAAGATGAGTGCTGCC.1_8	YUVARDO	NK 3
## AAAGATGGTGATGATA.1_8	YUVARDO	B 1
## AAAGATGGTTCACCTC.1_8	YUVARDO	TNKT 1
## AAAGATGTCCCTTGTG.1_8	YUVARDO	B 2
## AAAGCAAGTCCAGTTA.1_8	YUVARDO	CD4T 1
## AAATGCCCACCACGTG.1_8	YUVARDO	CD4T 2
## AAATGCCTCCACGTTC.1_8	YUVARDO	CD4T 5
## AACACGTCAAGAGGCT.1_8	YUVARDO	CD4T 6
## AACACGTGAGCTCCGA.1_8	YUVARDO	CD4T 4
## AACCATGTCCGTTGCT.1_8	YUVARDO	CD4T 1
## AACCGCGCACGGTTTA.1_8	YUVARDO	B 2
## AACGTTGTCTTAGAGC.1_8	YUVARDO	CD4T 4
## AACTCAGAGGGTATCG.1_8	YUVARDO	CD4T 1
## AACTCCCCATGTCGAT.1_8	YUVARDO	CD4T 3
## AACTCCCTCTTTAGGG.1_8	YUVARDO	CD4T 5
## AACTCTTAGCCATCGC.1_8	YUVARDO	CD4T 3
## AACTCTTGTCGTGGCT.1_8	YUVARDO	NK 2
## AACTCTTTGCGAGGCT.1_8	YUVARDO	CD4T 5
## AACTCTTTGTTTAGG.1_8	YUVARDO	CD4T 2
## AACTGGTAGTGGTCCC.1_8	YUVARDO	CD4T 1
## AACTGGTCATTCGACA.1_8	YUVARDO	CD4T 5
## AACTTTCTCCGGCACA.1_8	YUVARDO	CD4T 2
## AACTTTCTCTAACTGG.1_8	YUVARDO	CD4T 5
## AAGACCTGTCTCACCT.1_8	YUVARDO	CD4T 2
## AAGACCTGTGTCTTT.1_8	YUVARDO	CD4T 1
## AAGCCGAGTATTGGA.1_8	YUVARDO	B 3
## AAGCCGCGTAGAGCTG.1_8	YUVARDO	CD4T 5
## AAGGCAGAGTAGATGT.1_8	YUVARDO	CD4T 6
## AAGGCAGGTGTTGGGA.1_8	YUVARDO	CD4T 1
## AAGGCAGTCTAACTCT.1_8	YUVARDO	B 2
## AAGGTTTCAGCACCGTC.1_8	YUVARDO	CD4T 1
## AAGGTTTCAGTGAATTG.1_8	YUVARDO	CD4T 4
## AAGTCTGCATGGTAGG.1_8	YUVARDO	NK 1
## AAGTCTGTCCACGACG.1_8	YUVARDO	CD4T 1
## AATCCAGCATGAACCT.1_8	YUVARDO	CD4T 1
## AATCGGTAGCATCATC.1_8	YUVARDO	CD4T 1
## AATCGGTGTAAGTTCC.1_8	YUVARDO	CD4T 5

## AATCGGTGTCGATTGT.1_8	YUVARDO	CD4T 5
## ACACCAAAGAAAGTGG.1_8	YUVARDO	Mono 9
## ACACCAATCAGGCAAG.1_8	YUVARDO	NK 2
## ACACCCTAGGTCATCT.1_8	YUVARDO	CD4T 3
## ACACCCTGTAGAAAGG.1_8	YUVARDO	CD4T 6
## ACACCCTTCCAATGGT.1_8	YUVARDO	TNKT 1
## ACACCGGAGTTGAGTA.1_8	YUVARDO	CD4T 1
## ACACCGGCAACGATGG.1_8	YUVARDO	CD4T 5
## ACACCGGCATAGACTC.1_8	YUVARDO	CD4T 4
## ACACCGGGTAGCGATG.1_8	YUVARDO	CD4T 5
## ACACCGGTGCTAGCG.1_8	YUVARDO	CD4T 5
## ACAGCCGCATGGTCAT.1_8	YUVARDO	CD8T 2
## ACAGCTAAGAAGGACA.1_8	YUVARDO	CD4T 5
## ACAGCTAAGCCACGTC.1_8	YUVARDO	CD4T 5
## ACATACGCACGGATAG.1_8	YUVARDO	CD8T 1
## ACATACGGTAGCGTGA.1_8	YUVARDO	CD8T 2
## ACATCAGCAGGCTGAA.1_8	YUVARDO	CD4T 1
## ACATCAGGTACTCGCG.1_8	YUVARDO	CD4T 5
## ACATCAGTCTCTGAGA.1_8	YUVARDO	TNKT 1
## ACATGGTAGCGTTGCC.1_8	YUVARDO	TNKT 1
## ACATGGTAGCTTCGCG.1_8	YUVARDO	CD8T 1
## ACCGTAACAGTAAGCG.1_8	YUVARDO	CD4T 1
## ACCGTAAGTTCCACAA.1_8	YUVARDO	CD4T 4
## ACCGTAATCAGTTGAC.1_8	YUVARDO	B 2
## ACCTTTACACCTTGTC.1_8	YUVARDO	CD4T 3
## ACCTTTATCAGGCCCA.1_8	YUVARDO	CD8T 1
## ACCTTTATCATGTCCC.1_8	YUVARDO	CD4T 6
## ACCTTTATCCAGTATG.1_8	YUVARDO	CD8T 1
## ACCTTTATCGAGAGCA.1_8	YUVARDO	CD4T 2
## ACGAGCCAGCCCTAAT.1_8	YUVARDO	CD4T 1
## ACGAGCCGTAATAGCA.1_8	YUVARDO	CD4T 1
## ACGAGCCGTCCAATA.1_8	YUVARDO	CD4T 1
## ACGATACGTCGACTGC.1_8	YUVARDO	NK 2
## ACGATACGTTGGACCC.1_8	YUVARDO	CD4T 3
## ACGATGTGTCCGAGTC.1_8	YUVARDO	CD8T 1
## ACGATGTTCCGGGTGT.1_8	YUVARDO	CD8T 2
## ACGATGTTCTTGGGTA.1_8	YUVARDO	CD4T 4
## ACGCCAGAGATAGCAT.1_8	YUVARDO	NK 2
## ACGCCAGGTCAGTGGA.1_8	YUVARDO	CD4T 5
## ACGCCAGTCAGAGCTT.1_8	YUVARDO	CD8T 1
## ACGCCAGTCCAAATGC.1_8	YUVARDO	Mono 8
## ACGCCGATCCCTAACC.1_8	YUVARDO	CD4T 4
## ACGGAGAGTAAAGGAG.1_8	YUVARDO	CD8T 1
## ACGGAGAGTCTTGCGG.1_8	YUVARDO	CD8T 2
## ACGGCCAAGTGGGTTG.1_8	YUVARDO	CD4T 4
## ACGGCCACATGGTTGT.1_8	YUVARDO	CD4T 1
## ACGGGCTAGTGAACAT.1_8	YUVARDO	CD4T 4
## ACGGGCTCATAACAGCT.1_8	YUVARDO	CD4T 4
## ACGGGTCTCGGAGGTA.1_8	YUVARDO	NK 2
## ACGTCAATCGCACTCT.1_8	YUVARDO	CD4T 5
## ACTATCTAGTATCTCG.1_8	YUVARDO	NK 1
## ACTATCTCAAGTACCT.1_8	YUVARDO	CD4T 6
## ACTATCTGTGCGATAG.1_8	YUVARDO	CD8T 3
## ACTGAACTCGGCGCAT.1_8	YUVARDO	CD4T 1

## ACTGAGTAGAAGCCCA.1_8	YUVARDO	CD4T 5
## ACTGAGTAGGCTCAGA.1_8	YUVARDO	CD4T 6
## ACTGAGTGCCATGAT.1_8	YUVARDO	CD4T 3
## ACTGATGTCCAAACTG.1_8	YUVARDO	CD4T 3
## ACTGCTCTCAGTGTG.1_8	YUVARDO	CD4T 1
## ACTGTCCAGCCCTAAT.1_8	YUVARDO	CD4T 3
## ACTTACTAGGTTACCT.1_8	YUVARDO	NK 2
## ACTTACTTCTCCTATA.1_8	YUVARDO	CD4T 3
## ACTTGTTTCGTGGGAA.1_8	YUVARDO	CD4T 2
## ACTTGTTTCTCTTGAT.1_8	YUVARDO	CD8T 1
## ACTTTCAGATCCTGT.1_8	YUVARDO	CD4T 3
## ACTTTCACATAGAAAC.1_8	YUVARDO	CD4T 7
## AGAATAGAGTCGATAA.1_8	YUVARDO	CD8T 3
## AGAATAGCAACACGCC.1_8	YUVARDO	TNKT 2
## AGAATAGCAGTATCTG.1_8	YUVARDO	CD4T 2
## AGAGCGACAGTCAGAG.1_8	YUVARDO	CD4T 5
## AGAGCTTCATCAGTCA.1_8	YUVARDO	CD4T 5
## AGAGCTTTCTTAGAGC.1_8	YUVARDO	CD4T 5
## AGAGTGGTCACATGCA.1_8	YUVARDO	CD4T 5
## AGATCTGGTACAAGTA.1_8	YUVARDO	CD4T 2
## AGATCTGGTTGGGACA.1_8	YUVARDO	CD4T 4
## AGATTGCGTATAGGTA.1_8	YUVARDO	B 2
## AGATTGCGTTGTCTTT.1_8	YUVARDO	CD4T 4
## AGCAGCCCACTGTTAG.1_8	YUVARDO	CD4T 3
## AGCAGCCGTCCGCTGA.1_8	YUVARDO	CD4T 1
## AGCATACAGAAGGTTT.1_8	YUVARDO	CD4T 5
## AGCATACTCGCGCCAA.1_8	YUVARDO	CD4T 3
## AGCATACTCGGCGCAT.1_8	YUVARDO	CD4T 1
## AGCCTAATCATTTGGG.1_8	YUVARDO	CD4T 6
## AGCCTAATCCACGAAT.1_8	YUVARDO	CD4T 1
## AGCGGTCAGGGAGTAA.1_8	YUVARDO	CD4T 2
## AGCGGTCGTACCCAG.1_8	YUVARDO	CD4T 3
## AGCGTCGAGTGCAAGC.1_8	YUVARDO	CD4T 1
## AGCGTCGCACCTCGGA.1_8	YUVARDO	CD4T 5
## AGCGTCGGTCCAATA.1_8	YUVARDO	B 1
## AGCTCCTTCAGGCCCA.1_8	YUVARDO	CD8T 2
## AGCTCCTTCCTTCAAT.1_8	YUVARDO	Mono 1
## AGCTCTCCAATAGAGT.1_8	YUVARDO	NK 2
## AGCTCTCTACCGTAA.1_8	YUVARDO	CD4T 1
## AGCTCTCTCGTTTAGG.1_8	YUVARDO	CD4T 5
## AGCTCTCTCTCGTTTA.1_8	YUVARDO	CD4T 1
## AGGCCACGTTCAGGCC.1_8	YUVARDO	CD4T 5
## AGGCCGTCACATGTGT.1_8	YUVARDO	CD8T 3
## AGGGAGTAGTTAAGTG.1_8	YUVARDO	CD4T 3
## AGGGATGAGTTACCCA.1_8	YUVARDO	CD4T 5
## AGGGATGGTGGCCCTA.1_8	YUVARDO	CD8T 1
## AGGGATGTCTCAAGTG.1_8	YUVARDO	TNKT 1
## AGGGTGAAGCTTCGCG.1_8	YUVARDO	CD4T 5
## AGGGTGACACCACCAG.1_8	YUVARDO	CD4T 5
## AGGGTGATCGCTAGCG.1_8	YUVARDO	CD4T 3
## AGGGTGATCTTCATGT.1_8	YUVARDO	CD4T 4
## AGGTCATCAGGGAGAG.1_8	YUVARDO	CD4T 6
## AGGTCATGTTACGGAG.1_8	YUVARDO	CD4T 3
## AGGTCCGGTACTTAGC.1_8	YUVARDO	CD4T 1

## AGGTCCGTCGATCCCT.1_8	YUVARDO	CD4T 3
## AGTAGTCCATAAGACA.1_8	YUVARDO	TNKT 1
## AGTAGTCCATGCTAGT.1_8	YUVARDO	CD4T 5
## AGTAGTCGTCTAGAGG.1_8	YUVARDO	CD8T 1
## AGTAGTCTCACAGTAC.1_8	YUVARDO	CD4T 3
## AGTCTTTTACCTGGTG.1_8	YUVARDO	TNKT 2
## AGTCTTTTCACTTGGAT.1_8	YUVARDO	CD4T 5
## AGTCTTTTCAGGCGATA.1_8	YUVARDO	CD4T 1
## AGTCTTTTGTAAAGCACG.1_8	YUVARDO	CD4T 2
## AGTGAGGGTTGGACCC.1_8	YUVARDO	Mono 3
## AGTGGAAGCAATCTC.1_8	YUVARDO	Mono 8
## AGTGGAAGGATATAC.1_8	YUVARDO	CD4T 1
## AGTGGGAGTAAATGAC.1_8	YUVARDO	CD4T 2
## AGTGGGAGTCACCTAA.1_8	YUVARDO	CD4T 5
## AGTGGGAGTGGCAAAC.1_8	YUVARDO	CD4T 4
## AGTGTCAAGGGATAACC.1_8	YUVARDO	CD4T 1
## AGTGTCAACAATAGCGG.1_8	YUVARDO	CD4T 3
## AGTTGGTAGAGGTTGC.1_8	YUVARDO	CD4T 1
## AGTTGGTCAAATACAG.1_8	YUVARDO	CD8T 1
## AGTTGGTTCCACTGGG.1_8	YUVARDO	CD4T 1
## ATAAGAGCAGTACACT.1_8	YUVARDO	CD4T 4
## ATAGACCGTGATGTCT.1_8	YUVARDO	CD4T 3
## ATCACGACAGGGTTAG.1_8	YUVARDO	CD4T 6
## ATCACGAGTTTGA CTG.1_8	YUVARDO	CD4T 1
## ATCATCTAGCTCTCGG.1_8	YUVARDO	CD4T 1
## ATCATCTAGTACGCCC.1_8	YUVARDO	CD4T 1
## ATCATCTCACTTAACG.1_8	YUVARDO	CD4T 4
## ATCATCTGTCGGCACT.1_8	YUVARDO	CD4T 5
## ATCATGGAGAACAATC.1_8	YUVARDO	CD4T 1
## ATCATGGCAAGGTGTG.1_8	YUVARDO	CD4T 1
## ATCATGGCACAGACAG.1_8	YUVARDO	CD8T 1
## ATCCACCCATATGGTC.1_8	YUVARDO	Mono 9
## ATCCACCGTATCTGCA.1_8	YUVARDO	NK 2
## ATCCACCGTGGCTCCA.1_8	YUVARDO	CD4T 1
## ATCCACCTCGCGTAGC.1_8	YUVARDO	CD4T 3
## ATCGAGTAGATCTGCT.1_8	YUVARDO	CD4T 1
## ATCGAGTCAGCAGTTT.1_8	YUVARDO	CD4T 5
## ATCGAGTGTGAAAGAG.1_8	YUVARDO	CD8T 2
## ATCTACTCAACTGGCC.1_8	YUVARDO	CD4T 5
## ATCTACTCATGTAAGA.1_8	YUVARDO	CD4T 3
## ATCTGCCGTTATTCTC.1_8	YUVARDO	CD4T 3
## ATCTGCCTCAGGCGAA.1_8	YUVARDO	CD4T 3
## ATCTGCCTCAGTCAGT.1_8	YUVARDO	CD4T 3
## ATGAGGGAGGGATAACC.1_8	YUVARDO	CD4T 7
## ATGAGGGGTAAGAGGA.1_8	YUVARDO	CD4T 3
## ATGCGATGTAGATTAG.1_8	YUVARDO	CD4T 3
## ATGCGATTCCCAGGTG.1_8	YUVARDO	CD4T 5
## ATGGGAGTCACAGTAC.1_8	YUVARDO	CD4T 5
## ATGGGAGTCAGGTTCA.1_8	YUVARDO	CD4T 1
## ATGTGTGAGTGTACCT.1_8	YUVARDO	CD4T 6
## ATGTGTGGTAATAGCA.1_8	YUVARDO	CD4T 1
## ATGTGTGGTTTCGCTC.1_8	YUVARDO	CD4T 5
## ATGTGTGTCTATCCCG.1_8	YUVARDO	CD4T 1
## ATTACTCAGAGTGACC.1_8	YUVARDO	CD4T 5

## ATTACTCGTAGCACGA.1_8	YUVARDO	TNKT 1
## ATTACTCGTGGCTCCA.1_8	YUVARDO	CD4T 1
## ATTACTCTCACAGGCC.1_8	YUVARDO	CD4T 1
## ATTACTCTCTCATTCA.1_8	YUVARDO	CD4T 1
## ATTCTACAGAGACTTA.1_8	YUVARDO	CD4T 3
## ATTCTACAGTGCTGCC.1_8	YUVARDO	CD4T 1
## ATTGGACAGAGACTTA.1_8	YUVARDO	CD4T 5
## ATTGGACAGGTCATCT.1_8	YUVARDO	CD4T 1
## ATTGGACGTAGGAGTC.1_8	YUVARDO	CD4T 1
## ATTGGACGTCTGGTCG.1_8	YUVARDO	CD4T 5
## ATTGGACTCCTCAATT.1_8	YUVARDO	CD4T 5
## ATTGGTGAGACCCACC.1_8	YUVARDO	CD4T 3
## ATTTCTGAGCTCCCAG.1_8	YUVARDO	CD4T 1
## ATTTCTGAGTCCAGGA.1_8	YUVARDO	CD4T 5
## ATTTCTGGTCACAAGG.1_8	YUVARDO	CD4T 1
## ATTTCTGGTGTATGGG.1_8	YUVARDO	CD4T 6
## CAACCAACAAACCCAT.1_8	YUVARDO	CD4T 1
## CAACCAATCATGTCTT.1_8	YUVARDO	CD4T 2
## CAACCTCAGACAATAC.1_8	YUVARDO	CD4T 1
## CAACCTCCACCAACCG.1_8	YUVARDO	CD4T 5
## CAACCTCGTATCTGCA.1_8	YUVARDO	NK 1
## CAACCTCTCATCGCTC.1_8	YUVARDO	CD4T 5
## CAACTAGCAAGAAGAG.1_8	YUVARDO	CD4T 1
## CAACTAGCACAGACAG.1_8	YUVARDO	NK 2
## CAACTAGGTTACGGC.1_8	YUVARDO	CD4T 1
## CAACTAGTCGCTTAGA.1_8	YUVARDO	CD4T 1
## CAAGAAAAGGTGATTA.1_8	YUVARDO	CD4T 5
## CAAGATCCATTGGTAC.1_8	YUVARDO	CD4T 5
## CAAGATCGTATATGAG.1_8	YUVARDO	NK 2
## CAAGATCGTCAAGCGA.1_8	YUVARDO	CD4T 5
## CAAGATCTCACTGGGC.1_8	YUVARDO	TNKT 1
## CACACAACAAACTGCT.1_8	YUVARDO	CD4T 4
## CACACCTAGAGTAAGG.1_8	YUVARDO	CD4T 3
## CACACCTCACGGTAGA.1_8	YUVARDO	CD4T 1
## CACACCTTCCAAGCCG.1_8	YUVARDO	CD4T 5
## CACACCTTCCTTTACA.1_8	YUVARDO	CD4T 5
## CACACTCAGGCGTACA.1_8	YUVARDO	CD4T 1
## CACAGGCGTCGAAAGC.1_8	YUVARDO	Mono 4
## CACAGGCGTCCACGG.1_8	YUVARDO	Mono 4
## CACAGGCTCGTAGGAG.1_8	YUVARDO	CD4T 1
## CACAGTAAGGGCACTA.1_8	YUVARDO	CD4T 5
## CACAGTACACGAAGCA.1_8	YUVARDO	CD4T 1
## CACAGTATCCGGCACA.1_8	YUVARDO	CD4T 5
## CACATAGAGTGGTAGC.1_8	YUVARDO	B 3
## CACATAGCATGAGCGA.1_8	YUVARDO	CD4T 5
## CACATAGGTCGGCTCA.1_8	YUVARDO	Mono 3
## CACATTTTCTTCAACT.1_8	YUVARDO	CD4T 5
## CACCACTAGGTACTCT.1_8	YUVARDO	CD8T 1
## CACCACTGTCACCCAG.1_8	YUVARDO	CD4T 1
## CACCACTTCGGTGTTA.1_8	YUVARDO	CD4T 5
## CACCAGGCAACTTGAC.1_8	YUVARDO	CD4T 5
## CACCAGGCAGCTGCTG.1_8	YUVARDO	CD4T 1
## CACCTTGGTGATGCC.1_8	YUVARDO	CD4T 6
## CACCTTGTCCTATGTT.1_8	YUVARDO	TNKT 1

## CACCTTGTCTGAGTGT.1_8	YUVARDO	CD4T 3
## CACTCCAGTTGGTAAA.1_8	YUVARDO	CD4T 5
## CAGAATCAGAACAATC.1_8	YUVARDO	CD4T 5
## CAGAATCAGATAGCAT.1_8	YUVARDO	CD4T 2
## CAGAATCCAAGGCTCC.1_8	YUVARDO	CD4T 1
## CAGAATCGTTACGCGC.1_8	YUVARDO	CD4T 2
## CAGAATCTCACCCGAG.1_8	YUVARDO	CD4T 5
## CAGAGAGAGGATGTAT.1_8	YUVARDO	TNKT 1
## CAGAGAGTCAGCATGT.1_8	YUVARDO	CD4T 1
## CAGATCAGTAGAGGAA.1_8	YUVARDO	CD4T 2
## CAGATCATCGTTTATC.1_8	YUVARDO	CD4T 1
## CAGCAGCAGATCCTGT.1_8	YUVARDO	CD8T 3
## CAGCAGCAGCCGAAA.1_8	YUVARDO	CD4T 3
## CAGCAGCGTCTACCTC.1_8	YUVARDO	CD4T 5
## CAGCAGCTCACGGTTA.1_8	YUVARDO	CD4T 5
## CAGCAGCTCATGCAAC.1_8	YUVARDO	CD8T 1
## CAGCATAAGAAACCTA.1_8	YUVARDO	CD4T 3
## CAGCATAAGGAATCGC.1_8	YUVARDO	CD4T 3
## CAGCATAAGGCTATCT.1_8	YUVARDO	CD4T 1
## CAGCCGAAGCCAGTAG.1_8	YUVARDO	Mono 2
## CAGCCGACAAAGCAAT.1_8	YUVARDO	CD4T 2
## CAGCCGATCAACACCA.1_8	YUVARDO	CD4T 1
## CAGCGACAGCAAATCA.1_8	YUVARDO	CD4T 5
## CAGCGACTCACCTTAT.1_8	YUVARDO	CD4T 1
## CAGGTGCAGGTAAACT.1_8	YUVARDO	CD4T 5
## CAGTAACCACGAAAGC.1_8	YUVARDO	B 2
## CAGTCCTCATTTGCTT.1_8	YUVARDO	CD4T 1
## CAGTCCTGTGAAGGCT.1_8	YUVARDO	CD4T 1
## CAGTCCTGTTACCAGT.1_8	YUVARDO	CD4T 5
## CAGTCCTTCAACCAAC.1_8	YUVARDO	CD4T 6
## CAGTCCTTCCTTGGTC.1_8	YUVARDO	B 1
## CATCAGAAGACAAGCC.1_8	YUVARDO	NK 2
## CATCAGATCACCAGGC.1_8	YUVARDO	CD4T 5
## CATCAGATCGTGACAT.1_8	YUVARDO	CD4T 5
## CATCAGATCTTGTTTG.1_8	YUVARDO	CD4T 1
## CATCGAAAGAAAGTGG.1_8	YUVARDO	CD4T 2
## CATCGAAAGGTCGGAT.1_8	YUVARDO	CD4T 5
## CATCGAAGTGAGGCTA.1_8	YUVARDO	CD8T 2
## CATCGGGCATGCAACT.1_8	YUVARDO	CD4T 4
## CATCGGGGTAGCGTAG.1_8	YUVARDO	CD4T 4
## CATCGGGGTCAGTGA.1_8	YUVARDO	CD4T 2
## CATCGGGTCTGGTTCC.1_8	YUVARDO	Mono 4
## CATGACAAGTACGTAA.1_8	YUVARDO	CD4T 4
## CATGGCGAGAGTACAT.1_8	YUVARDO	CD4T 5
## CATGGCGCATCACCCT.1_8	YUVARDO	CD4T 5
## CATGGCGCATGGAATA.1_8	YUVARDO	CD4T 5
## CATTATCAGAGCTATA.1_8	YUVARDO	CD4T 1
## CATTATCGTAAACACA.1_8	YUVARDO	CD4T 5
## CATTATCTCAGGCCCA.1_8	YUVARDO	CD8T 3
## CATTGCGCAAGTCTAC.1_8	YUVARDO	CD4T 5
## CATTGCGTGGGTATG.1_8	YUVARDO	CD8T 1
## CATTGCGTTCAGTAC.1_8	YUVARDO	TNKT 1
## CATTGCTCAGGTAAA.1_8	YUVARDO	CD4T 1
## CATTGCTCGGTCTAA.1_8	YUVARDO	CD4T 5

## CCAATCCAGTACGCGA.1_8	YUVARDO	CD4T 4
## CCAATCCGTCGAGTTT.1_8	YUVARDO	CD8T 1
## CCAATCCGTTCCATGA.1_8	YUVARDO	CD4T 1
## CCAATCCGTTGACGTT.1_8	YUVARDO	CD4T 1
## CCACCTAGTAAATGTG.1_8	YUVARDO	B 2
## CCACCTAGTCAACTGT.1_8	YUVARDO	CD8T 2
## CCACGGAAGGACAGAA.1_8	YUVARDO	CD4T 5
## CCACGGATCACCGGT.1_8	YUVARDO	TNKT 1
## CCACTACAGACTAGAT.1_8	YUVARDO	CD4T 3
## CCACTACCACTCGACG.1_8	YUVARDO	NK 4
## CCACTACGTGCTGTAT.1_8	YUVARDO	CD4T 3
## CCACTACGTTGGACCC.1_8	YUVARDO	CD4T 1
## CCAGCGACACTTCGAA.1_8	YUVARDO	CD4T 5
## CCAGCGACATACGCCG.1_8	YUVARDO	CD4T 5
## CCAGCGATCGTACGGC.1_8	YUVARDO	CD4T 1
## CCATGTCGTTACGACT.1_8	YUVARDO	CD8T 1
## CCATGTCTCGACCAGC.1_8	YUVARDO	CD4T 2
## CCATGTCTCGGAGCAA.1_8	YUVARDO	CD4T 3
## CCATGTCTCGGTGTTA.1_8	YUVARDO	CD4T 5
## CCATTCTGTCGAGAACG.1_8	YUVARDO	NK 4
## CCCAATCTCGTCACGG.1_8	YUVARDO	CD8T 1
## CCCAGTTGTCGCTTTC.1_8	YUVARDO	CD4T 5
## CCCAGTTTCGCTAGCG.1_8	YUVARDO	CD8T 2
## CCCATACTCGTAGATC.1_8	YUVARDO	Mono 4
## CCCTCCTTCATTTGGG.1_8	YUVARDO	CD4T 5
## CCGGGATGTTGACGTT.1_8	YUVARDO	CD4T 1
## CCGGGATGTTGTTTGG.1_8	YUVARDO	CD4T 5
## CCGTACTCAATGCCAT.1_8	YUVARDO	CD4T 7
## CCGTACTCATGGTAGG.1_8	YUVARDO	CD8T 1
## CCGTACTGTAATTGGA.1_8	YUVARDO	CD4T 1
## CCGTACTTCAGTGCAT.1_8	YUVARDO	CD4T 4
## CCGTGGAAGTTTAGGA.1_8	YUVARDO	CD4T 1
## CCTAAAGCACCCAGCAC.1_8	YUVARDO	CD4T 5
## CCTAAAGCAGCCTGTG.1_8	YUVARDO	TNKT 1
## CCTAAAGTCGAAAACG.1_8	YUVARDO	CD4T 7
## CCTACACCACCGAATT.1_8	YUVARDO	TNKT 1
## CCTACACCATCGGGTC.1_8	YUVARDO	CD4T 2
## CCTACCAAGAATAGGG.1_8	YUVARDO	CD4T 3
## CCTACCAAGATATACG.1_8	YUVARDO	B 2
## CCTACCACATCTCCCA.1_8	YUVARDO	CD4T 1
## CCTAGCTCAGTCACTA.1_8	YUVARDO	Mono 9
## CCTATTAAGAGCTGGT.1_8	YUVARDO	CD4T 1
## CCTATTAGTCACAAGG.1_8	YUVARDO	NK 2
## CCTCTGACAGTCAGAG.1_8	YUVARDO	CD4T 1
## CCTCTGAGTAAGGGCT.1_8	YUVARDO	CD8T 1
## CCTCTGAGTCGCTTTC.1_8	YUVARDO	CD4T 3
## CCTTACGCAGCCTATA.1_8	YUVARDO	Mono 8
## CCTTACGGTCCACGG.1_8	YUVARDO	CD8T 1
## CCTTACGTCCTTAATC.1_8	YUVARDO	CD4T 3
## CCTTACGTCTGTTGAG.1_8	YUVARDO	CD4T 3
## CCTTCCCGTCTCCCTA.1_8	YUVARDO	CD4T 5
## CCTTCCCGTGAGTATA.1_8	YUVARDO	CD4T 1
## CCTTCCCTCATACGGT.1_8	YUVARDO	CD4T 3
## CCTTTCTCATTTCACT.1_8	YUVARDO	NK 2

## CCTTTCTTCGTTTGCC.1_8	YUVARDO	CD4T 1
## CGAACATGTTGAACTC.1_8	YUVARDO	CD8T 1
## CGAACATTCCCAGGTG.1_8	YUVARDO	B 2
## CGAATGTAGTGCCAGA.1_8	YUVARDO	CD4T 4
## CGAATGTGTATTACCG.1_8	YUVARDO	CD4T 2
## CGAATGTGTGCTAGCC.1_8	YUVARDO	CD4T 5
## CGACCTTCAATAACGA.1_8	YUVARDO	CD4T 1
## CGACCTTCAGTAGAGC.1_8	YUVARDO	CD4T 3
## CGACCTTTCTAACTGG.1_8	YUVARDO	CD4T 5
## CGACTTCAGGTGTTAA.1_8	YUVARDO	CD4T 1
## CGACTTCTCATCGGAT.1_8	YUVARDO	CD4T 4
## CGAGAAGAGTGTTCG.1_8	YUVARDO	CD4T 5
## CGAGCACCAACACGCC.1_8	YUVARDO	CD4T 7
## CGAGCACCATATACCG.1_8	YUVARDO	CD4T 1
## CGAGCACTCTGCCCTA.1_8	YUVARDO	Mono 8
## CGAGCCACACTTAACG.1_8	YUVARDO	CD4T 5
## CGAGCCAGTACGACCC.1_8	YUVARDO	CD4T 5
## CGATCGGAGGGCACTA.1_8	YUVARDO	CD4T 4
## CGATCGGGTCAGTGA.1_8	YUVARDO	CD4T 6
## CGATCGGGTGGTCTCG.1_8	YUVARDO	CD4T 5
## CGATGGCAGTCAATAG.1_8	YUVARDO	CD4T 6
## CGATGTATCGGCCGAT.1_8	YUVARDO	NK 1
## CGATTGAAGCCAGTTT.1_8	YUVARDO	CD4T 5
## CGCCAAGCAAGCGATG.1_8	YUVARDO	CD4T 5
## CGCCAAGTCACCGTAA.1_8	YUVARDO	B 2
## CGCCAAGTCCTCCTAG.1_8	YUVARDO	CD4T 5
## CGCGGTACAAACTGTC.1_8	YUVARDO	CD4T 2
## CGCGGTATCAGCGACC.1_8	YUVARDO	CD4T 1
## CGCGGTATCCGCGCAA.1_8	YUVARDO	CD4T 6
## CGCGTTTTTCTCCAACC.1_8	YUVARDO	CD4T 1
## CGCTATCGTTAAGAAC.1_8	YUVARDO	CD4T 1
## CGCTATCTCAGTTGAC.1_8	YUVARDO	CD4T 4
## CGCTATCTCGCTGATA.1_8	YUVARDO	CD4T 6
## CGCTATCTCTTACCGC.1_8	YUVARDO	CD4T 4
## CGCTGGAAGCTAGCCC.1_8	YUVARDO	CD4T 6
## CGCTGGACACCACCAG.1_8	YUVARDO	CD4T 1
## CGCTGGAGTTACTGAC.1_8	YUVARDO	B 1
## CGGACACCATGACATC.1_8	YUVARDO	CD4T 3
## CGGACACGTAGTAGTA.1_8	YUVARDO	CD4T 4
## CGGACACGTGGCGAAT.1_8	YUVARDO	CD4T 5
## CGGACGTGTGTTAAGA.1_8	YUVARDO	CD8T 1
## CGGACTGAGGAATTAC.1_8	YUVARDO	Mono 8
## CGGACTGCAGTGGAGT.1_8	YUVARDO	CD4T 2
## CGGACTGTCTTGCCGT.1_8	YUVARDO	CD4T 4
## CGGAGCTGTGGCGAAT.1_8	YUVARDO	CD4T 4
## CGGAGTCCACGTTGGC.1_8	YUVARDO	Mono 9
## CGGCTAGAGCGTCTAT.1_8	YUVARDO	CD4T 4
## CGGCTAGTCTACTTAC.1_8	YUVARDO	CD4T 5
## CGGGTCAAGCGATGAC.1_8	YUVARDO	NK 3
## CGGGTCAAGTATCGAA.1_8	YUVARDO	CD4T 1
## CGGGTCAGTTAAAGAC.1_8	YUVARDO	CD4T 4
## CGGTTAAAGAACTCGG.1_8	YUVARDO	CD4T 4
## CGGTTAAAGATCCTGT.1_8	YUVARDO	CD4T 1
## CGGTTAAAGCAGCCTC.1_8	YUVARDO	CD4T 5

## CGGTTAATCCAGTATG.1_8	YUVARDO	CD4T 5
## CGTAGCGAGCCGTCGT.1_8	YUVARDO	NK 2
## CGTAGCGAGGGTTCCC.1_8	YUVARDO	CD4T 3
## CGTAGCGTCCGAGCCA.1_8	YUVARDO	CD4T 1
## CGTAGGCAGAACAATC.1_8	YUVARDO	CD4T 1
## CGTAGGCAGCCCAATT.1_8	YUVARDO	CD4T 5
## CGTAGGCTCCGCGCAA.1_8	YUVARDO	CD4T 1
## CGTCACTAGTGTGAA.1_8	YUVARDO	CD4T 5
## CGTCAGGAGCATCATC.1_8	YUVARDO	CD4T 2
## CGTCCATTATCTGTT.1_8	YUVARDO	CD4T 1
## CGTCTACAGAGCTATA.1_8	YUVARDO	CD4T 3
## CGTCTACAGTGAAGTT.1_8	YUVARDO	CD4T 6
## CGTGAGCAGGCTATCT.1_8	YUVARDO	CD4T 1
## CGTGAGCCACGTGAGA.1_8	YUVARDO	CD4T 5
## CGTGAGCGTAAGTGTA.1_8	YUVARDO	CD4T 3
## CGTGAGCTCGCACTCT.1_8	YUVARDO	CD8T 2
## CGTGTCTGTGACAAAT.1_8	YUVARDO	CD4T 3
## CGTTAGAGTTTCCACC.1_8	YUVARDO	CD4T 1
## CGTTCTGGTACAGCAG.1_8	YUVARDO	CD4T 3
## CGTTCTGGTTCCACAA.1_8	YUVARDO	CD4T 2
## CGTTGGGCATAGAAAC.1_8	YUVARDO	CD4T 7
## CTAACCTTAGTCCGTAT.1_8	YUVARDO	CD4T 5
## CTAACCTTACGTAAGG.1_8	YUVARDO	CD4T 2
## CTAACCTTGTCGAACC.1_8	YUVARDO	CD4T 5
## CTAACCTTTCGTGGGAA.1_8	YUVARDO	CD4T 1
## CTAATGGGTCTAGCCG.1_8	YUVARDO	B 2
## CTACACCAGCTTATCG.1_8	YUVARDO	CD8T 3
## CTACATTACGCGTAAG.1_8	YUVARDO	CD4T 5
## CTACATTGTATGCTTG.1_8	YUVARDO	Mono 5
## CTACATTGTGGCCCTA.1_8	YUVARDO	CD4T 5
## CTACCCACAGCTATTG.1_8	YUVARDO	CD4T 6
## CTACCCACAGCTGGCT.1_8	YUVARDO	CD8T 1
## CTACCCATCTTCCTTC.1_8	YUVARDO	CD4T 5
## CTACGTCGTCTCTCGT.1_8	YUVARDO	CD4T 3
## CTAGAGTTCGAACGGA.1_8	YUVARDO	CD4T 6
## CTAGCCTCAGGGATTG.1_8	YUVARDO	CD4T 6
## CTAGCCTGTAAGAGGA.1_8	YUVARDO	CD4T 6
## CTAGTGAGTAAGAGGA.1_8	YUVARDO	CD4T 5
## CTAGTGATCAACACTG.1_8	YUVARDO	NK 2
## CTCAGAAAGTTGAGTA.1_8	YUVARDO	CD4T 1
## CTCCTAGCACATCCGG.1_8	YUVARDO	NK 2
## CTCCTAGGTCCTGCTT.1_8	YUVARDO	CD4T 5
## CTCGAAAAGATAGTCA.1_8	YUVARDO	CD4T 3
## CTCGAAAGTGGTACAG.1_8	YUVARDO	CD4T 1
## CTCGAGGAGCCCAATT.1_8	YUVARDO	CD4T 1
## CTCGAGGCACATGACT.1_8	YUVARDO	CD4T 6
## CTCGAGGGTCTCATCC.1_8	YUVARDO	CD4T 4
## CTCGGAGGTACCATCA.1_8	YUVARDO	CD4T 2
## CTCGTCAAGATGTGTA.1_8	YUVARDO	CD4T 1
## CTCGTCAAGGCTAGCA.1_8	YUVARDO	CD4T 4
## CTCGTCTATCTCGAGTA.1_8	YUVARDO	CD4T 3
## CTCTAATCAATAACGA.1_8	YUVARDO	B 2
## CTCTACGAGACGACGT.1_8	YUVARDO	CD4T 1
## CTCTACGAGAGCAATT.1_8	YUVARDO	CD4T 1

## CTCTACGTCAGTTTGG.1_8	YUVARDO	CD4T 1
## CTCTACGTCGTCTGAA.1_8	YUVARDO	CD4T 5
## CTCTGGTCAGTCACTA.1_8	YUVARDO	CD4T 4
## CTGAAACAGTGGTAGC.1_8	YUVARDO	CD4T 3
## CTGAAACCAATGGAGC.1_8	YUVARDO	CD4T 2
## CTGAAACGTAGCTCCG.1_8	YUVARDO	CD4T 4
## CTGAAACGTTTAGCTG.1_8	YUVARDO	Mono 4
## CTGAAACTCGCATGGC.1_8	YUVARDO	CD4T 5
## CTGAAGTGTAAGTGTA.1_8	YUVARDO	Mono 9
## CTGAAGTGTCAGTGGC.1_8	YUVARDO	CD4T 1
## CTGAAGTGTCCTGAC.1_8	YUVARDO	CD4T 5
## CTGAAGTGCGAAAGA.1_8	YUVARDO	CD8T 2
## CTGAAGTTCGGAACGC.1_8	YUVARDO	CD4T 2
## CTGATAGCATGCTAGT.1_8	YUVARDO	NK 2
## CTGATCCAGCAATCTC.1_8	YUVARDO	TNKT 1
## CTGATCCAGTCAAGCG.1_8	YUVARDO	CD4T 6
## CTGATCCTCAGTTCGA.1_8	YUVARDO	CD8T 1
## CTGCCTAAGTGCGATG.1_8	YUVARDO	Mono 4
## CTGCCTACATCCGCGA.1_8	YUVARDO	NK 2
## CTGCCTAGTCCGTGAC.1_8	YUVARDO	CD4T 1
## CTGCCTATCACGGTTA.1_8	YUVARDO	CD4T 1
## CTGCTGTAGTCCCACG.1_8	YUVARDO	CD4T 5
## CTGCTGTGTGCGAAAC.1_8	YUVARDO	CD4T 3
## CTGCTGTTCTACAGA.1_8	YUVARDO	CD4T 3
## CTGGTCTAGTGTTCG.1_8	YUVARDO	CD4T 5
## CTGTTTAAGCGATGAC.1_8	YUVARDO	CD4T 1
## CTGTTTACAATAGAGT.1_8	YUVARDO	CD4T 7
## CTTAACTTCGAACGGA.1_8	YUVARDO	NK 2
## CTTAACTTCTTGAGGT.1_8	YUVARDO	CD4T 3
## CTTACCGAGGTAGCCA.1_8	YUVARDO	CD4T 1
## CTTACCGGTCAAAGCG.1_8	YUVARDO	B 2
## CTTACCGTCCGTACAA.1_8	YUVARDO	CD4T 1
## CTTCTCTCATGGATGG.1_8	YUVARDO	TNKT 2
## CTTCTCTCATGGTAGG.1_8	YUVARDO	CD4T 1
## CTTCTCTGTAACGTTC.1_8	YUVARDO	CD4T 4
## CTTCTCTGTGCACGAA.1_8	YUVARDO	CD4T 1
## CTTCTCTTCGCGTAGC.1_8	YUVARDO	CD4T 2
## CTTCTCTTCTCGTATT.1_8	YUVARDO	CD4T 1
## CTTCTCTTCTGGTGTA.1_8	YUVARDO	CD4T 6
## CTTTGCGAGAGTAATC.1_8	YUVARDO	CD4T 3
## GAAACTCGTCTCCCTA.1_8	YUVARDO	CD4T 6
## GAAATGATCCGTTGCT.1_8	YUVARDO	CD4T 5
## GAAATGATCGTTACAG.1_8	YUVARDO	CD4T 6
## GAACATCGTAGCGCAA.1_8	YUVARDO	CD4T 1
## GAACCTAAGATCACGG.1_8	YUVARDO	CD4T 5
## GAACCTAAGGGATACC.1_8	YUVARDO	CD4T 5
## GAACCTAGTCATCCCT.1_8	YUVARDO	CD4T 4
## GAACGGATCTGAAAGA.1_8	YUVARDO	CD4T 1
## GAAGCAGTCAGCTTAG.1_8	YUVARDO	CD4T 6
## GAATAAGCAATCTGCA.1_8	YUVARDO	CD4T 3
## GAATGAAAGCTAGTCT.1_8	YUVARDO	TNKT 1
## GAATGAAGTAAAGTCA.1_8	YUVARDO	CD8T 1
## GACACGCCATAAGACA.1_8	YUVARDO	CD4T 1
## GACACGCCATGCTAGT.1_8	YUVARDO	CD4T 5

## GACAGAGGTGGTACAG.1_8	YUVARDO	CD4T 5
## GACAGAGTCTATCCCG.1_8	YUVARDO	CD4T 4
## GACCTGGGTGGAGGT.1_8	YUVARDO	CD4T 5
## GACGCGTGTGCGTTCT.1_8	YUVARDO	NK 4
## GACGGCTGTGCGGTT.1_8	YUVARDO	CD4T 3
## GACGGCTTCCAGTATG.1_8	YUVARDO	TNKT 1
## GACGTGCCAAGCCGTC.1_8	YUVARDO	CD4T 5
## GACGTGCCACTCAGGC.1_8	YUVARDO	CD4T 4
## GACGTGCCATGTAAGA.1_8	YUVARDO	CD4T 6
## GACTAACCCTCTGTC.1_8	YUVARDO	CD4T 3
## GACTAACTCTTTACGT.1_8	YUVARDO	CD4T 3
## GACTACAAGGAAGTGC.1_8	YUVARDO	CD8T 3
## GACTACACATTATCTC.1_8	YUVARDO	CD4T 5
## GACTGCGAGCTATGCT.1_8	YUVARDO	CD4T 5
## GACTGCGGTCAAAGCG.1_8	YUVARDO	CD4T 1
## GAGCAGATCAAGGTAA.1_8	YUVARDO	CD4T 1
## GATCAGTAGCAGACTG.1_8	YUVARDO	CD4T 3
## GATCAGTGTGTGGTTT.1_8	YUVARDO	CD4T 1
## GATCAGTTCCACGCAG.1_8	YUVARDO	CD4T 1
## GATCGATCAGCGTCCA.1_8	YUVARDO	CD4T 5
## GATCGATCATCTCCCA.1_8	YUVARDO	B 2
## GATCGCGCACAAGTGT.1_8	YUVARDO	CD8T 1
## GATCGCGCACTTAACG.1_8	YUVARDO	CD4T 1
## GATCGCGCAGATGAGC.1_8	YUVARDO	CD4T 1
## GATCTAGCAAATACAG.1_8	YUVARDO	CD4T 1
## GATCTAGCACCACCAG.1_8	YUVARDO	CD4T 5
## GATCTAGCACTCAGGC.1_8	YUVARDO	NK 2
## GATCTAGGTAAGTTCC.1_8	YUVARDO	CD4T 5
## GATCTAGGTCTCTCGT.1_8	YUVARDO	CD4T 4
## GATCTAGGTTCCGTCT.1_8	YUVARDO	CD4T 2
## GATGAAAAGGACCACA.1_8	YUVARDO	B 2
## GATGAAACAAAGCGGT.1_8	YUVARDO	CD4T 3
## GATGAGGTCGTTACGA.1_8	YUVARDO	CD8T 1
## GATGCTAAGGACGAAA.1_8	YUVARDO	CD4T 3
## GATGCTACATAAAGGT.1_8	YUVARDO	CD4T 1
## GATGCTAGTGCAGGTA.1_8	YUVARDO	CD4T 5
## GATTGAGAGGGCATGT.1_8	YUVARDO	CD4T 4
## GATTGAGTACTTAGC.1_8	YUVARDO	CD4T 3
## GATTGAGTCACATGCA.1_8	YUVARDO	CD4T 5
## GCAAAGTGTGCGGTAA.1_8	YUVARDO	CD4T 3
## GCAAAGTTCGTCATAA.1_8	YUVARDO	CD4T 5
## GCAATCAAGATACACA.1_8	YUVARDO	CD4T 5
## GCACATAAGAGGGATA.1_8	YUVARDO	CD4T 7
## GCACATAACAATAAGCA.1_8	YUVARDO	CD4T 1
## GCACATATCCCTGACT.1_8	YUVARDO	CD8T 2
## GCACTCTAGGCAGGTT.1_8	YUVARDO	CD4T 3
## GCAGTTATCTCTGCTG.1_8	YUVARDO	CD4T 5
## GCATACAAGCGTGAAC.1_8	YUVARDO	CD4T 4
## GCATACAGTAATTGGA.1_8	YUVARDO	CD4T 5
## GCATACATCTCCAACC.1_8	YUVARDO	CD4T 4
## GCATACATCTCGTTTA.1_8	YUVARDO	CD4T 5
## GCATACATCTGTCTAT.1_8	YUVARDO	TNKT 1
## GCATGATGTGGTAACG.1_8	YUVARDO	CD4T 1
## GCATGCGAGCAACGGT.1_8	YUVARDO	CD4T 4

## GCATGCGGTATAGGTA.1_8	YUVARDO	CD4T 3
## GCATGTAAGCAGATCG.1_8	YUVARDO	CD8T 2
## GCATGTATCTTAGCCC.1_8	YUVARDO	CD4T 3
## GCCAAATCACAAGTGT.1_8	YUVARDO	CD4T 1
## GCCAAATGTAGAAAGG.1_8	YUVARDO	CD4T 1
## GCCAAATGTCTAGAGG.1_8	YUVARDO	NK 3
## GCCAAATTCGACAGCC.1_8	YUVARDO	CD4T 1
## GCGACCAGTCATATGC.1_8	YUVARDO	CD4T 1
## GCGACCAGTTGGACCC.1_8	YUVARDO	CD4T 1
## GCGAGAAGTGATAAAC.1_8	YUVARDO	NK 2
## GCGAGAATCATAACCG.1_8	YUVARDO	CD4T 1
## GCGCAACAGTACGTAA.1_8	YUVARDO	CD4T 6
## GCGCAACCATCTGGTA.1_8	YUVARDO	CD4T 6
## GCGCAGTCATCTCGCT.1_8	YUVARDO	CD8T 2
## GCGCGATGTTCTCCA.1_8	YUVARDO	CD4T 2
## GCGCGATTCTTTCTC.1_8	YUVARDO	CD4T 3
## GCGGGTTAGAGGACGG.1_8	YUVARDO	CD4T 1
## GCGGGTTCACCCATTC.1_8	YUVARDO	CD4T 5
## GCGGGTTGTCATACTG.1_8	YUVARDO	CD4T 3
## GCGGGTTGTCTCCCTA.1_8	YUVARDO	CD4T 1
## GCGGGTTGTTCCACAA.1_8	YUVARDO	CD4T 5
## GCGGGTTTCACCATAG.1_8	YUVARDO	CD4T 5
## GCGGGTTTCCTGTACC.1_8	YUVARDO	CD4T 5
## GCTCCTAGTTGTGGAG.1_8	YUVARDO	CD8T 1
## GCTCTGTTCCAGAGGA.1_8	YUVARDO	CD4T 1
## GCTGCGAAGGCCATAG.1_8	YUVARDO	Mono 1
## GCTGCGACACCAACCG.1_8	YUVARDO	CD4T 2
## GCTGCGAGTAGCGCTC.1_8	YUVARDO	CD4T 5
## GCTGCTTAGCTAGTCT.1_8	YUVARDO	NK 2
## GCTGCTTCAATAAGCA.1_8	YUVARDO	CD4T 4
## GCTGCTTTGACACAGC.1_8	YUVARDO	CD4T 4
## GCTGCTTTGCGATGGC.1_8	YUVARDO	CD4T 5
## GCTGCTTTCTGGTTCC.1_8	YUVARDO	CD4T 1
## GCTGGGTCAAGCTGAG.1_8	YUVARDO	CD4T 1
## GCTGGGTGTCAGTGA.1_8	YUVARDO	CD4T 6
## GCTGGGTGTGCCTTGG.1_8	YUVARDO	Mono 8
## GCTTCCACAGGGTACA.1_8	YUVARDO	CD4T 5
## GCTTCCATCAGCACAT.1_8	YUVARDO	CD8T 1
## GCTTGAAGTACAGTGG.1_8	YUVARDO	CD4T 6
## GGAAAGCCAAGGACTG.1_8	YUVARDO	NK 2
## GGAAAGCGTGTCTGAT.1_8	YUVARDO	TNKT 1
## GGAAGTTAGACTGGGT.1_8	YUVARDO	Mono 1
## GGAATAACAAACGCGA.1_8	YUVARDO	CD4T 1
## GGAATAATCGCCTGAG.1_8	YUVARDO	CD4T 3
## GGACAAGAGAGGGCTT.1_8	YUVARDO	CD4T 5
## GGACAAGGTGAGGGAG.1_8	YUVARDO	CD4T 3
## GGACAAGGTGATGATA.1_8	YUVARDO	CD4T 4
## GGACAAGGTTACGGAG.1_8	YUVARDO	CD4T 5
## GGACAAGTCAAAGACA.1_8	YUVARDO	CD4T 5
## GGACAGAAGGGATGGG.1_8	YUVARDO	CD4T 1
## GGACAGAAGGGCTTCC.1_8	YUVARDO	TNKT 1
## GGACATTAGATCCTGT.1_8	YUVARDO	CD4T 5
## GGACATTGTAACGACG.1_8	YUVARDO	CD4T 1
## GGACATTGTACTCTCC.1_8	YUVARDO	NK 3

## GGACATTGTAGATTAG.1_8	YUVARDO	CD4T 2
## GGACATTTCCACGACG.1_8	YUVARDO	CD4T 5
## GGACATTTCTCTTGAT.1_8	YUVARDO	CD8T 1
## GGAGCAACACCCTATC.1_8	YUVARDO	CD4T 3
## GGAGCAACACTCTGTC.1_8	YUVARDO	CD4T 1
## GGATGTTTCTGCTGCT.1_8	YUVARDO	CD4T 1
## GGATTACAGCGACGTA.1_8	YUVARDO	CD4T 5
## GGATTACCATCACGAT.1_8	YUVARDO	NK 2
## GGATTACCATGCGGC.1_8	YUVARDO	CD8T 2
## GGATTACGTGAAGGCT.1_8	YUVARDO	NK 1
## GGATTACTCAACGGCC.1_8	YUVARDO	CD4T 5
## GGCAATTAGTGGGATC.1_8	YUVARDO	CD4T 5
## GGCCGATTCAAACAAG.1_8	YUVARDO	CD4T 5
## GGCCGATTCCGCGGTA.1_8	YUVARDO	CD4T 4
## GGCGACTCACCCATGG.1_8	YUVARDO	CD4T 1
## GGCGACTCAGATGGGT.1_8	YUVARDO	Mono 2
## GGCGACTGTACCAGTT.1_8	YUVARDO	CD4T 1
## GGCTCGACACGGATAG.1_8	YUVARDO	CD4T 5
## GGCTGGTAGGACTGGT.1_8	YUVARDO	CD4T 6
## GGCTGGTCAAGCGTAG.1_8	YUVARDO	CD4T 1
## GGCTGGTGTCTGCAAT.1_8	YUVARDO	Mono 8
## GGGAATGGTAGTACCT.1_8	YUVARDO	CD4T 5
## GGGACCTCACTGTCCG.1_8	YUVARDO	CD4T 6
## GGGACCTCAGCCTGTG.1_8	YUVARDO	CD4T 1
## GGGACCTGTTGGACCC.1_8	YUVARDO	CD4T 5
## GGGAGATTCCTTAATC.1_8	YUVARDO	CD4T 3
## GGGATGAAGCCCTAAT.1_8	YUVARDO	CD4T 5
## GGGATGAGTAGCCTCG.1_8	YUVARDO	CD4T 5
## GGGCACTCACTTAAGC.1_8	YUVARDO	CD4T 5
## GGGCATCAGCTACCGC.1_8	YUVARDO	CD8T 2
## GGGCATCGTATAGGTA.1_8	YUVARDO	CD8T 1
## GGGCATCGTTCCATGA.1_8	YUVARDO	NK 2
## GGGTCTGAGAAACGAG.1_8	YUVARDO	CD4T 5
## GGGTCTGAGGCATGTG.1_8	YUVARDO	CD4T 3
## GGGTCTGCAAGCCGTC.1_8	YUVARDO	CD8T 1
## GGGTCTGGTCCACTC.1_8	YUVARDO	B 1
## GGGTTGCAGTGGGATC.1_8	YUVARDO	CD4T 5
## GGTGAAGTCGACCAGC.1_8	YUVARDO	CD4T 5
## GGTGCGTAGAGTCTGG.1_8	YUVARDO	CD4T 4
## GGTGCGTCAAGGACTG.1_8	YUVARDO	CD4T 4
## GGTGCGTGTGAGGCTA.1_8	YUVARDO	CD4T 1
## GGTGTTACAACACCCG.1_8	YUVARDO	CD8T 3
## GGTGTTATCACGCATA.1_8	YUVARDO	CD4T 1
## GTACGTACATCGTCCG.1_8	YUVARDO	CD4T 5
## GTACGTACATTGGGCC.1_8	YUVARDO	NK 1
## GTACGTAGTAGAAGGA.1_8	YUVARDO	CD8T 1
## GTACTCCGTCCAAGTT.1_8	YUVARDO	CD8T 2
## GTACTCCGTCTGGAGA.1_8	YUVARDO	TNKT 1
## GTAGGCCAGACAAAGG.1_8	YUVARDO	CD4T 2
## GTAGGCCTCAGTGTTG.1_8	YUVARDO	CD4T 3
## GTAGGCCTCTTGCAAG.1_8	YUVARDO	CD4T 5
## GTAGTCACAGACTCGC.1_8	YUVARDO	CD4T 1
## GTCAAGTAGCTAAACA.1_8	YUVARDO	CD4T 3
## GTCACGGCAGTTTACG.1_8	YUVARDO	CD8T 2

## GTCGGGTGTTAAGACA.1_8	YUVARDO	CD4T 2
## GTCTCGTCAGTGACAG.1_8	YUVARDO	Mono 8
## GTCTCGTGTGCTCT.1_8	YUVARDO	CD4T 3
## GTCTCGTTCACAGTAC.1_8	YUVARDO	CD4T 5
## GTCTTCGTCCAGTAGT.1_8	YUVARDO	B 2
## GTGAAGGAGTGGTAAT.1_8	YUVARDO	CD4T 4
## GTGAAGGCAATCCGAT.1_8	YUVARDO	CD4T 1
## GTGAAGGTCTCGCTTG.1_8	YUVARDO	CD4T 5
## GTGCAGCAGTACTTGC.1_8	YUVARDO	CD4T 4
## GTGCAGCCACCGAATT.1_8	YUVARDO	CD4T 7
## GTGCAGCCATAAGACA.1_8	YUVARDO	CD4T 1
## GTGCAGCTCGGTGTTA.1_8	YUVARDO	CD4T 2
## GTGCATAAGGACATTA.1_8	YUVARDO	CD4T 5
## GTGCATAAGTTACGGG.1_8	YUVARDO	CD4T 5
## GTGCATAGTTCCCGAG.1_8	YUVARDO	CD4T 4
## GTGCGGTAGATGCGAC.1_8	YUVARDO	B 6
## GTGCGGTAGCTTCGCG.1_8	YUVARDO	CD4T 2
## GTGCGGTCAATAAGCA.1_8	YUVARDO	B 2
## GTGCTTCAGCCGAAA.1_8	YUVARDO	CD8T 1
## GTGCTTCAGGAGCGAG.1_8	YUVARDO	CD4T 2
## GTGCTTCTCGCTTGTC.1_8	YUVARDO	CD4T 5
## GTGGGTCGTTACGGC.1_8	YUVARDO	Mono 4
## GTGGGTCTCGTTACAG.1_8	YUVARDO	CD4T 4
## GTGTGCGAGAACAAC.1_8	YUVARDO	CD4T 3
## GTGTGCGAGGACAGAA.1_8	YUVARDO	CD4T 2
## GTGTGCGGTAAGAGAG.1_8	YUVARDO	CD4T 5
## GTGTTAGGTCTAGTGT.1_8	YUVARDO	CD8T 2
## GTTAAGCAGGCAGTCA.1_8	YUVARDO	CD4T 5
## GTTAAGCAGTACGTTT.1_8	YUVARDO	CD4T 1
## GTTAAGCGTCTGATCA.1_8	YUVARDO	CD4T 1
## GTTACAGAGTATCTCG.1_8	YUVARDO	NK 3
## GTTACAGCAAGCTGGA.1_8	YUVARDO	CD4T 1
## GTTACAGTCAATCTCT.1_8	YUVARDO	CD4T 5
## GTTCATTGTTACGCGC.1_8	YUVARDO	Mono 3
## GTTCGGGCAAACCCAT.1_8	YUVARDO	CD4T 5
## GTTCGGGCAAGAGGCT.1_8	YUVARDO	Mono 4
## GTTCGGGGTAAGTGGC.1_8	YUVARDO	B 1
## GTTCGGGGTAGCCTAT.1_8	YUVARDO	CD4T 1
## GTTCTCGCATTTGCCC.1_8	YUVARDO	CD4T 1
## GTTCTCGGTGCCTGTG.1_8	YUVARDO	Mono 1
## GTTTCTACACGCGAAA.1_8	YUVARDO	B 2
## TAAACCGCAAGGCTCC.1_8	YUVARDO	B 2
## TAAGAGAGTACAGTGG.1_8	YUVARDO	NK 1
## TAAGAGAGTGCACGAA.1_8	YUVARDO	CD8T 3
## TAAGCGTCAGCCAGAA.1_8	YUVARDO	NK 2
## TAAGCGTTCAACGGGA.1_8	YUVARDO	CD4T 4
## TAAGTGCCAGTCGTGC.1_8	YUVARDO	CD8T 1
## TAAGTGCGTACTTAGC.1_8	YUVARDO	CD4T 1
## TACAGTGCATGCCCGA.1_8	YUVARDO	CD4T 5
## TACCTATAGAGTGACC.1_8	YUVARDO	CD4T 5
## TACCTATAGATGTGGC.1_8	YUVARDO	CD4T 1
## TACCTATCAAGACGTG.1_8	YUVARDO	CD4T 3
## TACCTTAAGTCAAGGC.1_8	YUVARDO	CD4T 5
## TACCTTACACGAAAGC.1_8	YUVARDO	CD4T 5

## TACCTTAGTAAATACG.1_8	YUVARDO	CD4T 5
## TACCTTATCGTGGGAA.1_8	YUVARDO	CD4T 5
## TACCTTATCTCCCTGA.1_8	YUVARDO	CD4T 4
## TACGGATAGATCCTGT.1_8	YUVARDO	TNKT 2
## TACGGATCACCATCCT.1_8	YUVARDO	CD4T 3
## TACGGATGTTACCGAT.1_8	YUVARDO	Mono 1
## TACGGGCCAAACCTAC.1_8	YUVARDO	CD4T 4
## TACGGGCCATGTCGAT.1_8	YUVARDO	CD4T 1
## TACTCATGTTTGTTTC.1_8	YUVARDO	NK 2
## TACTCATTCAGCTCTC.1_8	YUVARDO	CD4T 6
## TACTCGCCACGTCTCT.1_8	YUVARDO	CD4T 3
## TACTCGCTCCAAATGC.1_8	YUVARDO	CD4T 4
## TACTTACGTTTCATGGT.1_8	YUVARDO	CD4T 5
## TACTTGTTAGTAAGTAC.1_8	YUVARDO	CD4T 1
## TAGACCAAGCTTCGCG.1_8	YUVARDO	CD4T 3
## TAGACCACACACATGT.1_8	YUVARDO	NK 2
## TAGACCATCTATGTGG.1_8	YUVARDO	CD4T 5
## TAGACCATCTGGTTCC.1_8	YUVARDO	CD4T 3
## TAGAGCTTCCCAGGTG.1_8	YUVARDO	CD4T 5
## TAGAGCTTCCGTAGTA.1_8	YUVARDO	CD4T 1
## TAGGCATAGGCTACGA.1_8	YUVARDO	CD4T 4
## TAGGCATCACGTCAGC.1_8	YUVARDO	CD4T 3
## TAGTGGTGTAGGGTG.1_8	YUVARDO	CD4T 4
## TAGTTGGAGCCTTGAT.1_8	YUVARDO	CD4T 2
## TAGTTGGCAGATGGGT.1_8	YUVARDO	CD4T 4
## TAGTTGGGTCTTCTCG.1_8	YUVARDO	CD4T 6
## TATCAGGCACATTAGC.1_8	YUVARDO	CD4T 3
## TATCAGGCACTGTGTA.1_8	YUVARDO	CD4T 4
## TATCTCAGTCAACATC.1_8	YUVARDO	CD8T 1
## TATGCCCCGTCAACATC.1_8	YUVARDO	CD4T 1
## TATTACCAGAGTGACC.1_8	YUVARDO	CD4T 2
## TATTACCGTGGTGTAG.1_8	YUVARDO	CD4T 3
## TCAACGAGTGCGAAAC.1_8	YUVARDO	TNKT 1
## TCAACGATCACCACCT.1_8	YUVARDO	CD4T 3
## TCAACGATCAGTGCAT.1_8	YUVARDO	CD4T 3
## TCAATCTAGTCCTCCT.1_8	YUVARDO	CD4T 1
## TCAATCTCACATGGGA.1_8	YUVARDO	CD4T 3
## TCAATCTGTCTCGTTC.1_8	YUVARDO	CD4T 2
## TCACAAGAGGAATGGA.1_8	YUVARDO	CD4T 1
## TCACAAGAGTAATCCC.1_8	YUVARDO	CD4T 4
## TCAGATGAGACAAGCC.1_8	YUVARDO	CD4T 2
## TCAGATGCACCCATTC.1_8	YUVARDO	CD8T 1
## TCAGCAATCACTTACT.1_8	YUVARDO	CD4T 5
## TCAGCTCAGCGCTTAT.1_8	YUVARDO	CD4T 4
## TCAGCTCGTAATCGTC.1_8	YUVARDO	B 2
## TCAGCTCTCCGCTGTT.1_8	YUVARDO	CD4T 2
## TCAGGATAGTTACCCA.1_8	YUVARDO	TNKT 1
## TCAGGTAAGTAGTGCG.1_8	YUVARDO	CD4T 1
## TCAGGTAGTCTTTTCAT.1_8	YUVARDO	Mono 4
## TCATTACAGAAGGACA.1_8	YUVARDO	CD4T 5
## TCATTACAGATGGGTC.1_8	YUVARDO	CD8T 1
## TCATTACAGGTGCTTT.1_8	YUVARDO	NK 2
## TCATTACCATCCGGGT.1_8	YUVARDO	CD4T 1
## TCATTACTCGCCCTTA.1_8	YUVARDO	CD4T 4

## TCATTTGAGATCCCGC.1_8	YUVARDO	CD4T 5
## TCATTTGTCCTGCTTG.1_8	YUVARDO	CD4T 5
## TCCACACCACACAGAG.1_8	YUVARDO	CD4T 7
## TCCCGATAGTAACCCT.1_8	YUVARDO	TNKT 1
## TCCCGATCAAGCCATT.1_8	YUVARDO	CD4T 5
## TCGAGGCAGTACGATA.1_8	YUVARDO	CD4T 1
## TCGAGGCCACAGGCCT.1_8	YUVARDO	CD4T 5
## TCGAGGCTCATGTCTT.1_8	YUVARDO	CD4T 5
## TCGAGGCTCTGTTGAG.1_8	YUVARDO	CD4T 1
## TCGCGAGTCACAGGCC.1_8	YUVARDO	CD4T 1
## TCGCGTTAGAGTGACC.1_8	YUVARDO	CD4T 5
## TCGCGTTAGTACGACG.1_8	YUVARDO	CD4T 5
## TCGGGACGTCTGCGGT.1_8	YUVARDO	CD4T 1
## TCGGGACGTGCTGTAT.1_8	YUVARDO	CD4T 5
## TCGGGACTCTGGCGTG.1_8	YUVARDO	CD4T 5
## TCGGTAAAGAGTCTGG.1_8	YUVARDO	CD8T 1
## TCGTACCAGCGAAGGG.1_8	YUVARDO	CD4T 4
## TCGTACCAGTTAAGTG.1_8	YUVARDO	CD4T 1
## TCGTACCTCCACGACG.1_8	YUVARDO	CD4T 3
## TCGTAGACACATGTGT.1_8	YUVARDO	CD4T 7
## TCGTAGACATAGTAAG.1_8	YUVARDO	CD4T 5
## TCGTAGAGTAAGTAGT.1_8	YUVARDO	CD4T 1
## TCTCATACATCGATTG.1_8	YUVARDO	CD4T 5
## TCTCTAAGTCAGGACA.1_8	YUVARDO	CD4T 3
## TCTCTAATCGGACAAG.1_8	YUVARDO	CD4T 4
## TCTGAGAAGAGTCGGT.1_8	YUVARDO	CD4T 3
## TCTGAGAGTACTCTCC.1_8	YUVARDO	CD4T 5
## TCTGAGAGTGTTGGGA.1_8	YUVARDO	CD4T 1
## TCTGGAAAGGTGATTA.1_8	YUVARDO	CD4T 4
## TCTGGAAGTTCGCTAA.1_8	YUVARDO	NK 2
## TCTTCGGAGATCACGG.1_8	YUVARDO	CD8T 2
## TCTTCGGAGCAGGTCA.1_8	YUVARDO	CD4T 5
## TCTTCGGCATGGAATA.1_8	YUVARDO	CD4T 1
## TCTTTCCAGGCCCGTT.1_8	YUVARDO	CD4T 1
## TCTTTCCAGGCTCAGA.1_8	YUVARDO	CD4T 5
## TGAAAGACAGTAGAGC.1_8	YUVARDO	B 2
## TGAAAGAGTCGCATCG.1_8	YUVARDO	CD4T 5
## TGAAAGAGTTCACGG.1_8	YUVARDO	CD4T 1
## TGACAACGTTCAGACT.1_8	YUVARDO	CD4T 1
## TGACGGCCAAGGACAC.1_8	YUVARDO	CD4T 7
## TGACGGCCACCCAGTG.1_8	YUVARDO	CD4T 4
## TGACGGCTCTAGAGTC.1_8	YUVARDO	TNKT 1
## TGACGGCTCTAGCACA.1_8	YUVARDO	CD8T 2
## TGACTAGCAAAGCAAT.1_8	YUVARDO	CD4T 4
## TGACTAGCATAGGATA.1_8	YUVARDO	CD4T 6
## TGACTAGTCTGTGCAA.1_8	YUVARDO	CD4T 5
## TGACTTTCAAACGTGG.1_8	YUVARDO	CD4T 5
## TGAGAGGCAAGACGTG.1_8	YUVARDO	CD4T 1
## TGAGAGGGTGATGATA.1_8	YUVARDO	CD4T 1
## TGAGAGGTCTCGTATT.1_8	YUVARDO	CD4T 1
## TGAGCATCATGCGCAC.1_8	YUVARDO	CD4T 5
## TGAGCATGTCAAATC.1_8	YUVARDO	CD4T 3
## TGAGCCGCACACCGAC.1_8	YUVARDO	CD4T 2
## TGAGCCGTCTCTAGGA.1_8	YUVARDO	NK 2

## TGAGGGAAGCCCAGCT.1_8	YUVARDO	CD4T 2
## TGAGGGATCTGGCGTG.1_8	YUVARDO	CD4T 4
## TGATTTCCAGCCTTTC.1_8	YUVARDO	NK 2
## TGATTTCCATCCCACT.1_8	YUVARDO	CD4T 5
## TGATTTCTGTACACCGC.1_8	YUVARDO	CD4T 3
## TGCCAAAGTCCCTACT.1_8	YUVARDO	CD4T 1
## TGCCCATAGAATGTGT.1_8	YUVARDO	CD4T 1
## TGCCCATAGAGCAATT.1_8	YUVARDO	Mono 9
## TGCCCATAGGTGACCA.1_8	YUVARDO	CD4T 5
## TGCCCTAGTAAATACG.1_8	YUVARDO	CD4T 4
## TGCCCTAGTAAGAGAG.1_8	YUVARDO	CD4T 2
## TGCCCTATCTTAACCT.1_8	YUVARDO	CD4T 1
## TGCGGGTAGAAGAAGC.1_8	YUVARDO	NK 2
## TGCGGGTCAACAACCT.1_8	YUVARDO	CD4T 7
## TGCGGGTCACCCATGG.1_8	YUVARDO	CD4T 3
## TGCGGGTTCGTTACAG.1_8	YUVARDO	CD4T 5
## TGCTGCTAGCTTATCG.1_8	YUVARDO	NK 3
## TGCTGCTGTAGCACGA.1_8	YUVARDO	CD4T 6
## TGCTGCTTCTGTCTAT.1_8	YUVARDO	CD8T 2
## TGGACGCGTATAGTAG.1_8	YUVARDO	CD8T 2
## TGGACGCGTCATACTG.1_8	YUVARDO	CD4T 1
## TGGACGCTCTCCGGTT.1_8	YUVARDO	TNKT 1
## TGGCCAGAGACCTAGG.1_8	YUVARDO	CD4T 5
## TGGCCAGGTAGATTAG.1_8	YUVARDO	CD4T 6
## TGGCCAGGTCATCCCT.1_8	YUVARDO	CD4T 1
## TGGCGCAAGTCTTGCA.1_8	YUVARDO	CD4T 1
## TGGCTGGAGTTTCCTT.1_8	YUVARDO	CD4T 1
## TGGGAAGAGGATATAC.1_8	YUVARDO	CD4T 1
## TGGGAAGCAGTAGAGC.1_8	YUVARDO	CD4T 1
## TGGGAAGGTCACTTCC.1_8	YUVARDO	CD8T 2
## TGGGAAGTCGAGAACG.1_8	YUVARDO	Mono 9
## TGGGCGTAGAGAGCTC.1_8	YUVARDO	B 2
## TGGGCGTAGTGCGATG.1_8	YUVARDO	CD4T 1
## TGGGCGTGTCATGCCG.1_8	YUVARDO	Mono 1
## TGGGCGTTCGCTAGCG.1_8	YUVARDO	CD4T 6
## TGGTTAGAGACTGTAA.1_8	YUVARDO	CD4T 1
## TGGTTAGCACTGCCAG.1_8	YUVARDO	CD4T 4
## TGGTTAGGTTCTGAAC.1_8	YUVARDO	CD4T 2
## TGGTTAGGTTTGTTTC.1_8	YUVARDO	CD4T 5
## TGGTTAGTCAACGAAA.1_8	YUVARDO	CD4T 4
## TGGTTCCAGCGATATA.1_8	YUVARDO	CD4T 5
## TGGTTCCGTCTACCTC.1_8	YUVARDO	CD4T 4
## TGTATTCCACATGGGA.1_8	YUVARDO	CD4T 1
## TGTATTCTCAAGGTAA.1_8	YUVARDO	NK 2
## TGTATTCTCGTCGTTT.1_8	YUVARDO	TNKT 1
## TGTCCCACACCAGCAC.1_8	YUVARDO	CD4T 1
## TGTGGTATCCTCTAGC.1_8	YUVARDO	CD4T 3
## TGTGGTATCGAGAACG.1_8	YUVARDO	TNKT 1
## TGTGTTTGTAGCTTATCG.1_8	YUVARDO	CD4T 1
## TTAAGTCAAGAGACTTA.1_8	YUVARDO	CD4T 1
## TTAAGTCCATGTCTCC.1_8	YUVARDO	CD4T 1
## TTAGGACGTAAACACA.1_8	YUVARDO	TNKT 1
## TTAGGACTCCATGAAC.1_8	YUVARDO	CD8T 1
## TTAGGCAGTGGAAGA.1_8	YUVARDO	CD4T 6

##	TTAGGCATCTTATCTG.1_8	YUVARDO	CD4T	5
##	TTAGTTCAGACCACGA.1_8	YUVARDO	CD4T	2
##	TTAGTTCCAAGGACTG.1_8	YUVARDO	CD4T	7
##	TTAGTTCGTGTGTGCC.1_8	YUVARDO	CD4T	1
##	TTATGCTAGACAATAC.1_8	YUVARDO	CD4T	7
##	TTATGCTCAATAGAGT.1_8	YUVARDO	CD4T	3
##	TTATGCTGTTCTCATT.1_8	YUVARDO	CD4T	1
##	TTATGCTTCGCAGGCT.1_8	YUVARDO	CD4T	1
##	TTCCCAGTCTGCCCTA.1_8	YUVARDO	NK	3
##	TTCGAAGAGTGAAGTT.1_8	YUVARDO	CD4T	3
##	TTCGGTCAGCACAGGT.1_8	YUVARDO	B	2
##	TTCGGTCGTTAGGGTG.1_8	YUVARDO	CD4T	4
##	TTCTACAGTGATGCCC.1_8	YUVARDO	CD4T	5
##	TTCTACATCGAGAACG.1_8	YUVARDO	CD4T	1
##	TTCTCAAAGTCGATAA.1_8	YUVARDO	CD4T	1
##	TTCTCCTAGACCACGA.1_8	YUVARDO	TNKT	1
##	TTCTCCTAGCACGCCT.1_8	YUVARDO	Mono	7
##	TTCTCCTGTGTTAAGA.1_8	YUVARDO	CD4T	5
##	TTCTTAGAGATGCGAC.1_8	YUVARDO	Mono	4
##	TTCTTAGAGCTTTGGT.1_8	YUVARDO	CD4T	1
##	TTCTTAGCAAGGACAC.1_8	YUVARDO	CD4T	2
##	TTCTTAGGTTATCGGT.1_8	YUVARDO	CD4T	3
##	TTCTTAGGTTCCGTCT.1_8	YUVARDO	CD4T	1
##	TTGAACGAGGCAAAGA.1_8	YUVARDO	CD4T	1
##	TTGACTTGTTCGTCTC.1_8	YUVARDO	CD4T	1
##	TTGCCGTCAATCCTCG.1_8	YUVARDO	CD4T	1
##	TTGCCGTTCCATGAGT.1_8	YUVARDO	CD4T	5
##	TTGCCGTCAGTCAAGCG.1_8	YUVARDO	CD4T	3
##	TTGCCGTCCAACACCCG.1_8	YUVARDO	CD4T	5
##	TTGCCGTCTCGCTTGTC.1_8	YUVARDO	CD4T	1
##	TTGGAACAGTGA CTCT.1_8	YUVARDO	Mono	4
##	TTGGAACCAGAAGCAC.1_8	YUVARDO	Mono	4
##	TTGGAACGTATAAACG.1_8	YUVARDO	CD8T	1
##	TTGGAACTCTCATTCA.1_8	YUVARDO	CD4T	1
##	TTGGCAAAGCCCAATT.1_8	YUVARDO	CD4T	2
##	TTGGCAAAGGCACATG.1_8	YUVARDO	CD4T	1
##	TTGGCAACACTTCTGC.1_8	YUVARDO	CD8T	1
##	TTGGCAACAGTACACT.1_8	YUVARDO	CD4T	1
##	TTGTAGGAGACTGTAA.1_8	YUVARDO	CD4T	5
##	TTGTAGGAGGGTGTTG.1_8	YUVARDO	CD4T	4
##	TTGTAGGAGTGATCGG.1_8	YUVARDO	CD4T	5
##	TTGTAGGGTAACGTTC.1_8	YUVARDO	CD4T	1
##	TTTATGCGTAGCTTGT.1_8	YUVARDO	NK	1
##	TTTATGCTCAATACCG.1_8	YUVARDO	CD8T	2
##	TTTCCTCCAAGCCAC.1_8	YUVARDO	CD4T	3
##	TTTGCGCAGTATCTCG.1_8	YUVARDO	CD4T	1
##	TTTGGTTGTGCGAAAC.1_8	YUVARDO	CD4T	5
##	TTTGTCAAGAGAGCTC.1_8	YUVARDO	CD4T	3
##	TTTGTACAGGCAGTA.1_8	YUVARDO	CD4T	1
##	TTTGTCAGTGAAGGCT.1_8	YUVARDO	CD4T	1
##	TTTGTCAGTGCACTTA.1_8	YUVARDO	CD4T	4
##	TTTGTCAGTGGGACA.1_8	YUVARDO	CD8T	1
##	TTTGTTCATCGAGGTAG.1_8	YUVARDO	CD4T	3
##	AAACCTGAGAGAGCTC.1_9	YUGRUS	Mono	8

## AAACCTGGTCTACCTC.1_9	YUGRUS	CD4T 2
## AAACCTGTCGATCCCT.1_9	YUGRUS	CD8T 1
## AAACCTGTCGCCATAA.1_9	YUGRUS	DC 1
## AAACGGGAGCTACCGC.1_9	YUGRUS	CD4T 4
## AAACGGGCACAAGTAA.1_9	YUGRUS	Mono 8
## AAACGGGCACACAGAG.1_9	YUGRUS	Mono 4
## AAACGGGTCTAACGT.1_9	YUGRUS	Mono 4
## AAACGGGTCTTCGAGA.1_9	YUGRUS	CD4T 4
## AAAGATGGTCAGCTAT.1_9	YUGRUS	Mono 4
## AAAGATGGTGAAATCA.1_9	YUGRUS	NK 1
## AAAGATGGTTGTGTG.1_9	YUGRUS	CD4T 6
## AAAGATGTCATTTGGG.1_9	YUGRUS	Mono 8
## AAAGATGTCGTTTGCC.1_9	YUGRUS	B 3
## AAAGCAAAGAGGTACC.1_9	YUGRUS	Mono 8
## AAAGCAAAGGATTCGG.1_9	YUGRUS	B 2
## AAAGCAAGTCCATCCT.1_9	YUGRUS	TNKT 1
## AAAGCAATCTGTCTCG.1_9	YUGRUS	NK 4
## AAAGTAGCACCACGTG.1_9	YUGRUS	Mono 8
## AAATGCCCACGTCAGC.1_9	YUGRUS	B 2
## AAATGCCCATACGCCG.1_9	YUGRUS	CD4T 4
## AAATGCCGTTTCCACC.1_9	YUGRUS	NK 2
## AAATGCCCTCCGAATGT.1_9	YUGRUS	CD4T 4
## AACACGTAGGGAACA.1_9	YUGRUS	CD8T 1
## AACACGTGTCTTGTC.1_9	YUGRUS	TNKT 2
## AACACGTTCTGAGGGA.1_9	YUGRUS	NK 3
## AACCATGAGGCCCTCA.1_9	YUGRUS	DC 1
## AACCATGCACCAGCAC.1_9	YUGRUS	CD8T 2
## AACCATGCACTTAACG.1_9	YUGRUS	Mono 4
## AACCGCGTCCAGTAGT.1_9	YUGRUS	Mono 3
## AACCGCGTCCGAATGT.1_9	YUGRUS	Mono 7
## AACCGCGTCCTATGTT.1_9	YUGRUS	Mono 5
## AACGTTGAGAGAGCTC.1_9	YUGRUS	NK 3
## AACGTTGCAGAAGCAC.1_9	YUGRUS	CD8T 1
## AACGTTGGTGTATGGG.1_9	YUGRUS	CD4T 6
## AACGTTGTCAGCGATT.1_9	YUGRUS	B 2
## AACGTTGTCCTCCTAG.1_9	YUGRUS	TNKT 2
## AACTCAGCAACTGGCC.1_9	YUGRUS	Mono 7
## AACTCAGCAGCTCGAC.1_9	YUGRUS	CD8T 1
## AACTCAGCATGCAATC.1_9	YUGRUS	Mono 4
## AACTCAGGTGAAATCA.1_9	YUGRUS	CD4T 5
## AACTCCCCAATCTGCA.1_9	YUGRUS	CD4T 4
## AACTCCCCAGCTGCAC.1_9	YUGRUS	NK 1
## AACTCCCCATGATCCA.1_9	YUGRUS	Mono 1
## AACTCCCTCACTTCAT.1_9	YUGRUS	NK 1
## AACTCTTAGATCCTGT.1_9	YUGRUS	Mono 7
## AACTCTTGTGCTGTAT.1_9	YUGRUS	CD4T 3
## AACTCTTTCCAAACTG.1_9	YUGRUS	CD8T 1
## AACTGGTAGGGCTCTC.1_9	YUGRUS	NK 2
## AACTGGTAGGTCATCT.1_9	YUGRUS	Mono 5
## AACTGGTCAGGGTTAG.1_9	YUGRUS	B 1
## AACTGGTCATACCATG.1_9	YUGRUS	NK 2
## AACTGGTGTACCGTTA.1_9	YUGRUS	Mono 9
## AACTGGTTCCTTGCA.1_9	YUGRUS	B 3
## AACTTTCAGTGTTAGA.1_9	YUGRUS	Mono 8

## AACTTTCCATGGATGG.1_9	YUGRUS	NK 1
## AACTTTCTCACCAGGC.1_9	YUGRUS	Mono 9
## AACTTTCTCTCTGAGA.1_9	YUGRUS	CD8T 1
## AAGACCTAGTCGAGTG.1_9	YUGRUS	Mono 1
## AAGACCTTCGCTGATA.1_9	YUGRUS	NK 2
## AAGCCGCAGTCGAGTG.1_9	YUGRUS	CD8T 3
## AAGCCGCCACAGCCCA.1_9	YUGRUS	Mono 4
## AAGCCGCTCGGAAACG.1_9	YUGRUS	NK 3
## AAGCCGCTCTTCGAGA.1_9	YUGRUS	CD8T 1
## AAGGAGCAGAGTCGGT.1_9	YUGRUS	B 3
## AAGGAGCAGCCGAAA.1_9	YUGRUS	CD8T 2
## AAGGAGCAGTCCTCCT.1_9	YUGRUS	NK 1
## AAGGAGCAGTCGTACT.1_9	YUGRUS	Mono 5
## AAGGAGCGTCTCCCTA.1_9	YUGRUS	TNKT 1
## AAGGAGCGTGCATCTA.1_9	YUGRUS	Mono 7
## AAGGAGCGTTCGTTGA.1_9	YUGRUS	CD8T 2
## AAGGAGCTCTTGGGTA.1_9	YUGRUS	B 2
## AAGGCAGCAAGTCTAC.1_9	YUGRUS	DC 1
## AAGGCAGCATCACCT.1_9	YUGRUS	B 2
## AAGGTTCCAGAAGGTTT.1_9	YUGRUS	Mono 5
## AAGGTTCCACGGCGTT.1_9	YUGRUS	CD4T 1
## AAGGTTCTCTGTCAAG.1_9	YUGRUS	CD4T 1
## AAGTCTGAGTATCTCG.1_9	YUGRUS	Mono 5
## AAGTCTGCAGTTTACG.1_9	YUGRUS	Mono 5
## AAGTCTGTGCGCATAA.1_9	YUGRUS	Mono 1
## AATCCAGAGGACAGAA.1_9	YUGRUS	Mono 7
## AATCCAGGTTACAGAA.1_9	YUGRUS	Mono 9
## AATCCAGTCAGCTTAG.1_9	YUGRUS	CD8T 1
## AATCGGTGTAGGACAC.1_9	YUGRUS	TNKT 2
## AATCGGTTCTCTGTCTG.1_9	YUGRUS	CD4T 5
## AATCGGTTCTCTTATG.1_9	YUGRUS	DC 1
## ACACCAACATTTGCTT.1_9	YUGRUS	NK 3
## ACACCAAGTCCTAGCG.1_9	YUGRUS	CD8T 1
## ACACCCTAGTACGCCC.1_9	YUGRUS	CD8T 1
## ACACCCTGTCTAAACC.1_9	YUGRUS	CD4T 3
## ACACCCTGTGATGCCC.1_9	YUGRUS	CD8T 2
## ACACCCTTCTAACCGA.1_9	YUGRUS	Mono 5
## ACACCGGAGAGCAATT.1_9	YUGRUS	CD4T 3
## ACACCGGAGCAGATCG.1_9	YUGRUS	CD4T 2
## ACACCGGCAAGCTGGA.1_9	YUGRUS	Mono 7
## ACACCGGCAGCTGTGC.1_9	YUGRUS	B 2
## ACACCGGCAGGGTACA.1_9	YUGRUS	NK 2
## ACACCGGCATCCAACA.1_9	YUGRUS	DC 1
## ACACCGGTGCGACCAGC.1_9	YUGRUS	CD4T 1
## ACACCGGTCTCCAGGG.1_9	YUGRUS	TNKT 1
## AACTGAAGAAACGCC.1_9	YUGRUS	Mono 9
## AACTGAAGCGTGTCC.1_9	YUGRUS	CD8T 1
## AACTGAGTATGAATG.1_9	YUGRUS	NK 2
## AACTGAGTTCTGAAC.1_9	YUGRUS	CD4T 4
## ACAGCCGAGAATTCCC.1_9	YUGRUS	CD4T 5
## ACAGCCGGTAGTAGTA.1_9	YUGRUS	B 2
## ACAGCTAAGGCGCTCT.1_9	YUGRUS	CD8T 1
## ACAGCTATCGGAATCT.1_9	YUGRUS	Mono 7
## ACAGCTATCGTTACGA.1_9	YUGRUS	CD4T 2

## ACATACGAGAGTGAGA.1_9	YUGRUS	CD8T 1
## ACATACGAGTTGTCGT.1_9	YUGRUS	CD8T 1
## ACATCAGCAGAGCCAA.1_9	YUGRUS	CD8T 1
## ACATCAGCAGCCTTTC.1_9	YUGRUS	B 3
## ACATCAGGTACACCGC.1_9	YUGRUS	Mono 8
## ACATCAGGTGCGCTTG.1_9	YUGRUS	CD8T 1
## ACATCAGGTTTGTGTG.1_9	YUGRUS	CD4T 4
## ACATGGTAGTACTTGC.1_9	YUGRUS	CD8T 1
## ACATGGTTCACCGTAA.1_9	YUGRUS	Mono 1
## ACCAGTACAGGTCCAC.1_9	YUGRUS	Mono 1
## ACCAGTATCAGAAATG.1_9	YUGRUS	CD4T 4
## ACCCACTTCTCATTCA.1_9	YUGRUS	TNKT 2
## ACCGTAACAAATTGCC.1_9	YUGRUS	B 2
## ACCGTAATCTGCCAGG.1_9	YUGRUS	CD8T 1
## ACCTTTAAGCGTAGTG.1_9	YUGRUS	Mono 3
## ACCTTTACAAACTGCT.1_9	YUGRUS	Mono 5
## ACCTTTATCGCGCCAA.1_9	YUGRUS	Mono 5
## ACGAGCCCACAGCCCA.1_9	YUGRUS	Mono 8
## ACGAGCCCAGTCCTTC.1_9	YUGRUS	Mono 9
## ACGAGCCGTCTCACCT.1_9	YUGRUS	Mono 4
## ACGAGCCGTCTTCGTC.1_9	YUGRUS	Mono 2
## ACGAGCCGTTCGTGAT.1_9	YUGRUS	B 2
## ACGAGCCTCGGACAAG.1_9	YUGRUS	Mono 3
## ACGAGGACAATCTGCA.1_9	YUGRUS	CD8T 1
## ACGAGGACACAAGACG.1_9	YUGRUS	B 1
## ACGAGGACACGGCGTT.1_9	YUGRUS	Mono 8
## ACGAGGATCCAGAAGG.1_9	YUGRUS	CD8T 2
## ACGATACAGCACAGGT.1_9	YUGRUS	NK 1
## ACGATACAGGACACCA.1_9	YUGRUS	CD4T 2
## ACGATACAGGTGGGTT.1_9	YUGRUS	Mono 9
## ACGATACAGTGTTCG.1_9	YUGRUS	NK 2
## ACGATACCACTGTAG.1_9	YUGRUS	NK 2
## ACGATACCAGGCTCAC.1_9	YUGRUS	NK 1
## ACGATACTCTTAGAGC.1_9	YUGRUS	NK 1
## ACGATGTAGTCAATAG.1_9	YUGRUS	NK 1
## ACGATGTTTCAGAAATG.1_9	YUGRUS	CD8T 2
## ACGATGTCTCAACTT.1_9	YUGRUS	Mono 4
## ACGCCAGTCGCTAGCG.1_9	YUGRUS	Mono 4
## ACGCCAGTCTGCTGCT.1_9	YUGRUS	Mono 7
## ACGCCGAGTCCGAAGA.1_9	YUGRUS	B 1
## ACGGAGAGTGAATCAT.1_9	YUGRUS	B 2
## ACGGAGATCACCCGAG.1_9	YUGRUS	TNKT 1
## ACGGCCAAGTTGAGAT.1_9	YUGRUS	NK 2
## ACGGCCACAGGATTGG.1_9	YUGRUS	Mono 4
## ACGGCCAGTCTTGTC.1_9	YUGRUS	B 2
## ACGGGCTTCCCTAACC.1_9	YUGRUS	CD4T 2
## ACGGGCTTCTGTAGA.1_9	YUGRUS	TNKT 1
## ACGGGTCCATAAAGGT.1_9	YUGRUS	Mono 5
## ACGGGTCTCGACAGCC.1_9	YUGRUS	CD8T 1
## ACGTCAACAATGGAAT.1_9	YUGRUS	NK 4
## ACTATCTCACCTATC.1_9	YUGRUS	DC 1
## ACTATCTGTCTAAAGA.1_9	YUGRUS	CD8T 2
## ACTATCTGTTATGTGC.1_9	YUGRUS	CD8T 1
## ACTGAACAGACTTGAA.1_9	YUGRUS	Mono 4

## ACTGAACAGAGCTGCA.1_9	YUGRUS	Mono 5
## ACTGAACCAGGCGATA.1_9	YUGRUS	NK 1
## ACTGAGTCAAGCCTAT.1_9	YUGRUS	Mono 7
## ACTGAGTTCGTAGGTT.1_9	YUGRUS	CD4T 4
## ACTGATGAGAGACTTA.1_9	YUGRUS	Mono 5
## ACTGATGAGCTGCCCA.1_9	YUGRUS	CD4T 1
## ACTGATGGTAACGTTC.1_9	YUGRUS	B 2
## ACTGCTCCAAGAGTCG.1_9	YUGRUS	Mono 8
## ACTGCTCCAAGGTTTC.1_9	YUGRUS	NK 3
## ACTGCTCCAATAACGA.1_9	YUGRUS	Mono 5
## ACTGCTCCACCATGTA.1_9	YUGRUS	TNKT 2
## ACTGCTCGTTCCACAA.1_9	YUGRUS	NK 2
## ACTGCTCGTTGTTTGG.1_9	YUGRUS	Mono 1
## ACTGCTCTCGCTAGCG.1_9	YUGRUS	B 2
## ACTGCTCTCTCGTATT.1_9	YUGRUS	DC 1
## ACTGTCCCATCGATTG.1_9	YUGRUS	CD8T 1
## ACTTACTCAAGGTTCT.1_9	YUGRUS	CD8T 1
## ACTTACTCACATCCGG.1_9	YUGRUS	Mono 4
## ACTTGTTAGATCTGAA.1_9	YUGRUS	CD4T 4
## ACTTGTTCAACTGCTA.1_9	YUGRUS	Mono 7
## ACTTGTTTCATCGATGT.1_9	YUGRUS	Mono 7
## ACTTGTTGTACGACCC.1_9	YUGRUS	TNKT 1
## ACTTGTTTCGCCTGAG.1_9	YUGRUS	Mono 4
## ACTTTCAGTGTTTGC.1_9	YUGRUS	B 2
## ACTTTCAGTAAATGTG.1_9	YUGRUS	Mono 7
## ACTTTCATCTAACCGA.1_9	YUGRUS	Mono 4
## AGAATAGAGAGCCCAA.1_9	YUGRUS	B 3
## AGAATAGAGTTCCACA.1_9	YUGRUS	Mono 8
## AGAATAGGTGCGGTAA.1_9	YUGRUS	CD4T 1
## AGAATAGTCAGCTGGC.1_9	YUGRUS	CD8T 2
## AGACGTTAGAACTCGG.1_9	YUGRUS	B 1
## AGACGTTCAAGCGTAG.1_9	YUGRUS	B 2
## AGAGCGAAGATGTTAG.1_9	YUGRUS	NK 2
## AGAGCGACAATGAAAC.1_9	YUGRUS	CD4T 7
## AGAGCGATCAAAGACA.1_9	YUGRUS	CD8T 2
## AGAGCGATCAACCAAC.1_9	YUGRUS	CD4T 7
## AGAGCTTAGTACGTTT.1_9	YUGRUS	Mono 9
## AGAGCTTCAGTAAGCG.1_9	YUGRUS	NK 1
## AGAGCTTGTGTGACGA.1_9	YUGRUS	CD4T 3
## AGAGCTTTCGGTCCGA.1_9	YUGRUS	B 2
## AGATCTGAGCCAGTAG.1_9	YUGRUS	B 1
## AGATCTGCAAGTCATC.1_9	YUGRUS	CD4T 2
## AGATCTGGTAGAGTGC.1_9	YUGRUS	TNKT 1
## AGATCTGGTATGAAAC.1_9	YUGRUS	CD4T 6
## AGATTGCGTACTCAAC.1_9	YUGRUS	Mono 4
## AGATTGCTCATGTAGC.1_9	YUGRUS	NK 2
## AGATTGCTCCTTAATC.1_9	YUGRUS	CD4T 2
## AGCAGCCAGAGTAATC.1_9	YUGRUS	Mono 4
## AGCAGCCGTCTAGCCG.1_9	YUGRUS	Mono 3
## AGCAGCCGTTTCCACC.1_9	YUGRUS	Mono 7
## AGCAGCCTCATTTGGG.1_9	YUGRUS	TNKT 2
## AGCAGCCTCTACCAGA.1_9	YUGRUS	Mono 2
## AGCATACCAAGTCTGT.1_9	YUGRUS	NK 1
## AGCCTAAAGGGAGTAA.1_9	YUGRUS	B 2

## AGCCTAACATGCTGGC.1_9	YUGRUS	TNKT 1
## AGCCTAAGTCCAATA.1_9	YUGRUS	CD4T 7
## AGCCTAATCAGGCAAG.1_9	YUGRUS	CD4T 3
## AGCGGTCCATTGGTAC.1_9	YUGRUS	B 1
## AGCGGTCTGTATATGGA.1_9	YUGRUS	NK 1
## AGCGTATAGAGACGAA.1_9	YUGRUS	NK 3
## AGCGTATAGGCGACAT.1_9	YUGRUS	Mono 8
## AGCGTATCAAACCTAC.1_9	YUGRUS	B 2
## AGCGTCGCAAGGACAC.1_9	YUGRUS	NK 1
## AGCGTCGCACAGACTT.1_9	YUGRUS	NK 2
## AGCGTCGGTCACAAGG.1_9	YUGRUS	B 1
## AGCTCCTAGGTAGCCA.1_9	YUGRUS	Mono 4
## AGCTCCTGTTGATTCTG.1_9	YUGRUS	B 3
## AGCTCTCCAGGTCCAC.1_9	YUGRUS	Mono 5
## AGCTCTCCAGGTCGTC.1_9	YUGRUS	CD8T 2
## AGCTTGATCAAACCGT.1_9	YUGRUS	Mono 7
## AGCTTGATCGACAGCC.1_9	YUGRUS	NK 4
## AGGCCACCACACAGAG.1_9	YUGRUS	TNKT 1
## AGGCCACGTAAGTGTA.1_9	YUGRUS	Mono 7
## AGGCCACGTAGTGAAT.1_9	YUGRUS	Mono 5
## AGGCCACGTTCTCATT.1_9	YUGRUS	CD4T 5
## AGGCCACTCGTTTGCC.1_9	YUGRUS	B 1
## AGGCCGTAGACACTAA.1_9	YUGRUS	CD8T 1
## AGGCCGTAGTCACGCC.1_9	YUGRUS	NK 1
## AGGGAGTAGCACCGTC.1_9	YUGRUS	Mono 4
## AGGGAGTAGCTATGCT.1_9	YUGRUS	NK 1
## AGGGAGTAGGCACATG.1_9	YUGRUS	Mono 5
## AGGGAGTCAAACCTGCT.1_9	YUGRUS	B 1
## AGGGAGTCATCATCCC.1_9	YUGRUS	CD4T 6
## AGGGAGTTCGCGGATC.1_9	YUGRUS	Mono 7
## AGGGATGCAACACCCG.1_9	YUGRUS	CD8T 1
## AGGGATGCATCACGAT.1_9	YUGRUS	Mono 2
## AGGGATGGTAGCGCAA.1_9	YUGRUS	Mono 8
## AGGGATGGTCATCCCT.1_9	YUGRUS	Mono 4
## AGGGATGTCGATAGAA.1_9	YUGRUS	B 1
## AGGGTGAAGTCTCAAC.1_9	YUGRUS	CD8T 1
## AGGGTGAAGTGCCAGA.1_9	YUGRUS	Mono 5
## AGGGTGAGTATGGTTC.1_9	YUGRUS	NK 3
## AGGTCATAGTTAGCGG.1_9	YUGRUS	Mono 7
## AGGTCATGTCCCTACT.1_9	YUGRUS	B 2
## AGGTCATGTGCGGTGT.1_9	YUGRUS	Mono 4
## AGGTCATGTTCTCATT.1_9	YUGRUS	Mono 8
## AGGTCCGAGAATGTGT.1_9	YUGRUS	Mono 1
## AGGTCCGAGTGTTGAA.1_9	YUGRUS	B 2
## AGGTCCGCATGAGCGA.1_9	YUGRUS	CD4T 5
## AGTAGTCAGAGTAAGG.1_9	YUGRUS	CD8T 1
## AGTAGTCAGTAACCCT.1_9	YUGRUS	NK 1
## AGTAGTCAGTCGATAA.1_9	YUGRUS	Mono 9
## AGTAGTCAGTCGCCGT.1_9	YUGRUS	TNKT 1
## AGTAGTCTCAGTTAGC.1_9	YUGRUS	Mono 7
## AGTCTTTAGATCTGCT.1_9	YUGRUS	Mono 8
## AGTCTTTAGTGAAGTT.1_9	YUGRUS	CD8T 1
## AGTCTTTCAAGAAAGG.1_9	YUGRUS	NK 2
## AGTCTTTCATGGGACA.1_9	YUGRUS	CD8T 1

## AGTCTTTGTTGCTCCT.1_9	YUGRUS	Mono 4
## AGTGAGGAGCACAGGT.1_9	YUGRUS	CD4T 6
## AGTGAGGAGGAGTTTA.1_9	YUGRUS	CD4T 3
## AGTGAGGGTTCGGGCT.1_9	YUGRUS	Mono 5
## AGTGAGGTCTATCGCC.1_9	YUGRUS	B 2
## AGTGGGAAGATGGCGT.1_9	YUGRUS	NK 1
## AGTGGGACACGCGAAA.1_9	YUGRUS	CD8T 1
## AGTGGGAGTTCCTTG.1_9	YUGRUS	CD4T 4
## AGTGGGATCCGAATGT.1_9	YUGRUS	CD4T 3
## AGTGTCAAGCTCAACT.1_9	YUGRUS	CD4T 5
## AGTGTCAAGGACTGGT.1_9	YUGRUS	Mono 8
## AGTGTCAAGTAGGTGC.1_9	YUGRUS	B 1
## AGTGTCAAGTGGAGT.1_9	YUGRUS	CD4T 1
## AGTGTCAAGTGAACCT.1_9	YUGRUS	B 2
## AGTGTCACTAAGCCA.1_9	YUGRUS	Mono 5
## AGTGTCACTCAAGTG.1_9	YUGRUS	CD4T 2
## AGTTGGTCACCCAGTG.1_9	YUGRUS	Mono 4
## AGTTGGTCACGAAGCA.1_9	YUGRUS	B 3
## AGTTGGTCACGACGAA.1_9	YUGRUS	Mono 3
## AGTTGGTGTGGTACAG.1_9	YUGRUS	CD4T 5
## AGTTGGTTCCTGGGC.1_9	YUGRUS	NK 4
## AGTTGGTTCTGGGCCA.1_9	YUGRUS	DC 1
## ATAACGCGTCCGAACC.1_9	YUGRUS	DC 1
## ATAACGCTCATGTCTT.1_9	YUGRUS	Mono 9
## ATAAGAGAGACCGGAT.1_9	YUGRUS	TNKT 2
## ATAAGAGCAGTCGATT.1_9	YUGRUS	CD4T 3
## ATAAGAGTCAGGCCCA.1_9	YUGRUS	CD4T 1
## ATAAGAGTCTTGCAAG.1_9	YUGRUS	Mono 4
## ATAGACCAGAATGTGT.1_9	YUGRUS	Mono 1
## ATAGACCCAAATTGCC.1_9	YUGRUS	TNKT 2
## ATAGACCGTCACACGC.1_9	YUGRUS	Mono 8
## ATAGACCTCGTTGACA.1_9	YUGRUS	Mono 7
## ATCACGAAGGATTCCG.1_9	YUGRUS	Mono 5
## ATCACGAAGTAACCCT.1_9	YUGRUS	CD8T 1
## ATCACGATCCTTGACC.1_9	YUGRUS	Mono 7
## ATCATGGGTAAGTAGT.1_9	YUGRUS	B 2
## ATCCACCAGAGTACAT.1_9	YUGRUS	CD8T 2
## ATCCACCAGCAGGCTA.1_9	YUGRUS	Mono 7
## ATCCACCAGTCTCGGC.1_9	YUGRUS	Mono 8
## ATCCACCTCAGCAACT.1_9	YUGRUS	Mono 9
## ATCCGAACACGTCTCT.1_9	YUGRUS	CD4T 2
## ATCCGAACATGTCGAT.1_9	YUGRUS	B 2
## ATCCGAAGTTCAGTAC.1_9	YUGRUS	Mono 1
## ATCGAGTAGCGGATCA.1_9	YUGRUS	NK 1
## ATCGAGTAGTGCCTGA.1_9	YUGRUS	B 2
## ATCGAGTCACCTCGGA.1_9	YUGRUS	CD8T 1
## ATCGAGTCATTATCTC.1_9	YUGRUS	Mono 8
## ATCGAGTGTTAGTGGG.1_9	YUGRUS	CD8T 1
## ATCTACTCAGACGCCT.1_9	YUGRUS	CD8T 2
## ATCTACTTCAAAGACA.1_9	YUGRUS	CD8T 1
## ATCTACTTCCGCAGTG.1_9	YUGRUS	CD8T 1
## ATCTACTTCGAGAGCA.1_9	YUGRUS	CD4T 6
## ATCTGCCAGTGACGG.1_9	YUGRUS	TNKT 1
## ATCTGCCCAGACAAAT.1_9	YUGRUS	CD4T 6

## ATCTGCCCAGGCTGAA.1_9	YUGRUS	Mono 8
## ATCTGCCGTAGAAGGA.1_9	YUGRUS	NK 1
## ATCTGCCGTTTCCACC.1_9	YUGRUS	NK 1
## ATCTGCCTCGCTGATA.1_9	YUGRUS	CD4T 5
## ATGAGGGCACAACGTT.1_9	YUGRUS	CD4T 7
## ATGGGAGCAGTTCCCT.1_9	YUGRUS	CD4T 7
## ATGGGAGTCAGCTCTC.1_9	YUGRUS	NK 1
## ATGGGAGTCGAACGGA.1_9	YUGRUS	CD8T 1
## ATGTGTGAGATGCCTT.1_9	YUGRUS	NK 1
## ATGTGTGAGCTCCTTC.1_9	YUGRUS	B 1
## ATTA CT CAGAGCCCAA.1_9	YUGRUS	B 2
## ATTA CT CAGCAATCTC.1_9	YUGRUS	CD4T 7
## ATTA CT CCA TGCGCAC.1_9	YUGRUS	CD4T 7
## ATTA CT CCA TG GTTGT.1_9	YUGRUS	CD4T 1
## ATTA CT CGTCTGCGGT.1_9	YUGRUS	NK 2
## ATTA TCCCAGCTGTGC.1_9	YUGRUS	CD8T 2
## ATTA TCCGTCTCTTTA.1_9	YUGRUS	NK 2
## ATTCTACAGGATTCGG.1_9	YUGRUS	B 2
## ATTCTACCACGAAGCA.1_9	YUGRUS	B 2
## ATTCTACCAGATCCAT.1_9	YUGRUS	B 2
## ATTCTACGTTAAGGGC.1_9	YUGRUS	CD4T 6
## ATTGGACAGCCACGTC.1_9	YUGRUS	B 1
## ATTGGACCATACTCTT.1_9	YUGRUS	B 1
## ATTGGACTCAACGGCC.1_9	YUGRUS	TNKT 1
## ATTGGACTCCCAAGAT.1_9	YUGRUS	TNKT 2
## ATTGGTGAGGTGCTAG.1_9	YUGRUS	B 1
## ATTGGTGAGTCGATT.1_9	YUGRUS	B 2
## ATTTCTGAGACCCACC.1_9	YUGRUS	B 2
## ATTTCTGAGCGATCCC.1_9	YUGRUS	DC 1
## ATTTCTGGTCTTGTC.1_9	YUGRUS	NK 4
## ATTTCTGTCCAAACAC.1_9	YUGRUS	CD4T 6
## ATTTCTGTCTGTAGA.1_9	YUGRUS	CD4T 1
## CAACCAAAGGAATTAC.1_9	YUGRUS	Mono 9
## CAACCAACAGACACTT.1_9	YUGRUS	NK 1
## CAACCAATCCGAATGT.1_9	YUGRUS	TNKT 1
## CAACCAATCCTTTCGG.1_9	YUGRUS	NK 3
## CAACCTCCAAGGTGTG.1_9	YUGRUS	B 2
## CAACCTCGTCGGGTCT.1_9	YUGRUS	CD4T 7
## CAACCTCTCAAAGTAG.1_9	YUGRUS	CD4T 5
## CAACCTCTCAGGCGAA.1_9	YUGRUS	Mono 9
## CAACTAGCATGCAACT.1_9	YUGRUS	CD8T 1
## CAACTAGGTAGCACGA.1_9	YUGRUS	NK 1
## CAAGAAACAATGACCT.1_9	YUGRUS	NK 2
## CAAGAAAGTTTACTCT.1_9	YUGRUS	NK 1
## CAAGAAATCTCTGTCTG.1_9	YUGRUS	DC 1
## CAAGATCCAATACGCT.1_9	YUGRUS	Mono 5
## CAAGATCTCCTCGCAT.1_9	YUGRUS	NK 3
## CAAGGCCAGAGATGAG.1_9	YUGRUS	Mono 8
## CAAGGCCTCCATGAAC.1_9	YUGRUS	NK 2
## CAAGTTGAGTGTGGCA.1_9	YUGRUS	NK 4
## CAAGTTGCATATGCTG.1_9	YUGRUS	Mono 7
## CAAGTTGGTGACGCCT.1_9	YUGRUS	NK 3
## CACAAACAGCGTTTAC.1_9	YUGRUS	B 2
## CACAAACAGCTTCGCG.1_9	YUGRUS	Mono 1

## CACAAACCAATCGAAA.1_9	YUGRUS	B 2
## CACAAACGTCATATCG.1_9	YUGRUS	CD8T 1
## CACAAACGTCTTCAAG.1_9	YUGRUS	Mono 5
## CACACAAAGCCTTGAT.1_9	YUGRUS	CD8T 1
## CACACAACAGAGCCAA.1_9	YUGRUS	B 3
## CACACAACATCCTAGA.1_9	YUGRUS	NK 1
## CACACAAGTGGAAGA.1_9	YUGRUS	CD4T 3
## CACACCTAGACTAGAT.1_9	YUGRUS	Mono 7
## CACACCTCAAGCCTAT.1_9	YUGRUS	Mono 8
## CACACCTCAATCGGTT.1_9	YUGRUS	TNKT 2
## CACACCTCAATGTTGC.1_9	YUGRUS	B 1
## CACACCTGTAGTAGTA.1_9	YUGRUS	Mono 4
## CACACCTTCGTGTAGT.1_9	YUGRUS	NK 1
## CACACTCAGAAGGGTA.1_9	YUGRUS	CD8T 2
## CACACTCGTAAATACG.1_9	YUGRUS	TNKT 1
## CACACTCTCCGTCATC.1_9	YUGRUS	Mono 7
## CACAGGCAGCCTATGT.1_9	YUGRUS	TNKT 2
## CACAGGCGTTAGATGA.1_9	YUGRUS	CD4T 5
## CACAGGCTCCCTCAGT.1_9	YUGRUS	CD4T 5
## CACAGGCTCGGCATCG.1_9	YUGRUS	Mono 5
## CACAGTAAGACCACGA.1_9	YUGRUS	Mono 7
## CACAGTAAGCGATAGC.1_9	YUGRUS	CD4T 5
## CACAGTACAAGAGTCG.1_9	YUGRUS	CD4T 1
## CACAGTATCCCAAGAT.1_9	YUGRUS	CD4T 5
## CACAGTATCCGATATG.1_9	YUGRUS	Mono 5
## CACAGTATCCTCCTAG.1_9	YUGRUS	NK 3
## CACATAGAGAGGTACC.1_9	YUGRUS	NK 1
## CACATAGCAAGCTGTT.1_9	YUGRUS	Mono 5
## CACATAGTCATCTGTT.1_9	YUGRUS	B 4
## CACATTTTCACCGGGT.1_9	YUGRUS	NK 1
## CACCACTAGGGTATCG.1_9	YUGRUS	NK 1
## CACCACTCAATAACGA.1_9	YUGRUS	NK 1
## CACCACTCACGGATAG.1_9	YUGRUS	Mono 8
## CACCACTGTCTAGTCA.1_9	YUGRUS	Mono 4
## CACCAGGAGCTGAAAT.1_9	YUGRUS	Mono 5
## CACCAGGGTATCAGTC.1_9	YUGRUS	NK 1
## CACCTTGAGCTGTTCA.1_9	YUGRUS	CD8T 1
## CACCTTGGTACTTGAC.1_9	YUGRUS	B 2
## CACCTTGGTGATGATA.1_9	YUGRUS	B 3
## CACCTTGGTTGTCTTT.1_9	YUGRUS	B 1
## CACTCCACATCGGAAG.1_9	YUGRUS	CD4T 5
## CACTCCAGTATCTGCA.1_9	YUGRUS	Mono 4
## CACTCCAGTCATCCCT.1_9	YUGRUS	CD4T 6
## CACTCCAGTCCGAACC.1_9	YUGRUS	CD4T 1
## CACTCCATCACCTCA.1_9	YUGRUS	Mono 1
## CAGAATCCAGGCTCAC.1_9	YUGRUS	CD4T 6
## CAGAATCTCGCACTCT.1_9	YUGRUS	CD8T 1
## CAGAGAGAGTGTAACCT.1_9	YUGRUS	CD8T 1
## CAGAGAGCAATGTAAG.1_9	YUGRUS	CD4T 1
## CAGAGAGGTTGTGGCC.1_9	YUGRUS	TNKT 2
## CAGAGAGTCAAGGCTT.1_9	YUGRUS	Mono 3
## CAGAGAGTCGAACGGA.1_9	YUGRUS	NK 1
## CAGATCAAGTACGACG.1_9	YUGRUS	B 1
## CAGATCAAGTTCGCGC.1_9	YUGRUS	B 2

## CAGCAGCCACAAGTAA.1_9	YUGRUS	Mono 5
## CAGCAGCCAGTATAAG.1_9	YUGRUS	CD8T 2
## CAGCAGCGTTCACGGC.1_9	YUGRUS	CD8T 1
## CAGCAGCTCACAGGCC.1_9	YUGRUS	CD4T 5
## CAGCATAAGACTAGGC.1_9	YUGRUS	CD8T 1
## CAGCATAAGAGACTTA.1_9	YUGRUS	B 3
## CAGCATAGTCTGATTG.1_9	YUGRUS	CD8T 2
## CAGCCGAGTACCGGCT.1_9	YUGRUS	CD4T 2
## CAGCCGATCAGCATGT.1_9	YUGRUS	NK 1
## CAGCCGATCGGCGCTA.1_9	YUGRUS	NK 1
## CAGCCGATCTCGCATC.1_9	YUGRUS	B 1
## CAGCGACCATTTTCAGG.1_9	YUGRUS	Mono 7
## CAGCGACGTCCTCTTG.1_9	YUGRUS	B 2
## CAGCGACGTCGGGTCT.1_9	YUGRUS	CD8T 1
## CAGCGACGTCCTGCCAG.1_9	YUGRUS	CD8T 1
## CAGCGACTCACCACCT.1_9	YUGRUS	Mono 9
## CAGCGACTCACCATAG.1_9	YUGRUS	CD4T 4
## CAGCTAAAGGATCGCA.1_9	YUGRUS	Mono 9
## CAGCTAACAAACGCGA.1_9	YUGRUS	CD8T 1
## CAGCTAACAAGTTGTC.1_9	YUGRUS	B 1
## CAGCTAACACCGAAAG.1_9	YUGRUS	NK 2
## CAGCTAACAGGCTCAC.1_9	YUGRUS	TNKT 2
## CAGCTAAGTCATTAGC.1_9	YUGRUS	Mono 5
## CAGCTAAGTTTGTTGG.1_9	YUGRUS	CD8T 1
## CAGCTAATCTCAAGTG.1_9	YUGRUS	CD4T 3
## CAGCTGGTCATGTCCC.1_9	YUGRUS	TNKT 2
## CAGGTGCAGAAGAAGC.1_9	YUGRUS	B 2
## CAGGTGCAGAGTCTGG.1_9	YUGRUS	NK 2
## CAGGTGCCAAAGCGGT.1_9	YUGRUS	CD4T 1
## CAGGTGCGTTATGCGT.1_9	YUGRUS	B 2
## CAGGTGCGTTCACGGC.1_9	YUGRUS	CD8T 1
## CAGGTGCTCAGTGTTG.1_9	YUGRUS	Mono 5
## CAGTAACGTCGCATAT.1_9	YUGRUS	NK 2
## CAGTAACGTGCAGTAG.1_9	YUGRUS	CD4T 1
## CAGTAACGTGGCCCTA.1_9	YUGRUS	TNKT 1
## CAGTCCTCAACGATGG.1_9	YUGRUS	Mono 4
## CAGTCCTCAGTCTTCC.1_9	YUGRUS	CD8T 3
## CAGTCCTGTCATATGC.1_9	YUGRUS	CD8T 1
## CATATGGAGCCTCGTG.1_9	YUGRUS	Mono 1
## CATATGGCATCACGTA.1_9	YUGRUS	B 1
## CATATGGGTCACAAGG.1_9	YUGRUS	B 2
## CATATGGGTTACTGAC.1_9	YUGRUS	TNKT 1
## CATATTCAGAAGGTGA.1_9	YUGRUS	Mono 9
## CATATTCAGACACTAA.1_9	YUGRUS	NK 2
## CATATTCATCTCGCT.1_9	YUGRUS	CD8T 1
## CATATTCTGTCTCTCG.1_9	YUGRUS	NK 3
## CATCAAGGTTCCACAA.1_9	YUGRUS	Mono 5
## CATCAAGTCCAGAAGG.1_9	YUGRUS	NK 1
## CATCAGACATTTCACT.1_9	YUGRUS	B 2
## CATCAGAGTAAGTAGT.1_9	YUGRUS	CD4T 5
## CATCCACAGTTACGGG.1_9	YUGRUS	TNKT 1
## CATCCACGTCCCTACT.1_9	YUGRUS	CD4T 4
## CATCGAAAGACAATAC.1_9	YUGRUS	Mono 8
## CATCGAAGTCGGCACT.1_9	YUGRUS	CD8T 1

## CATCGAATCGGACAAG.1_9	YUGRUS	Mono 7
## CATCGGGAGACCCACC.1_9	YUGRUS	TNKT 1
## CATCGGGTCTTGCAAT.1_9	YUGRUS	CD8T 1
## CATGACAGTCGACTAT.1_9	YUGRUS	B 1
## CATGACATCGTCACGG.1_9	YUGRUS	Mono 9
## CATGCCTAGGTGGGTT.1_9	YUGRUS	CD4T 2
## CATGCCTCACCGAATT.1_9	YUGRUS	CD8T 1
## CATGCCTGTAGTGAAT.1_9	YUGRUS	Mono 4
## CATGCCTGTCCAGTAT.1_9	YUGRUS	TNKT 1
## CATGGCGGTGCACCAC.1_9	YUGRUS	Mono 4
## CATTATCAGCGATTCT.1_9	YUGRUS	NK 1
## CATTATCAGCTAGTTC.1_9	YUGRUS	Mono 9
## CATTATCCAAGGCTCC.1_9	YUGRUS	Mono 7
## CATTATCCAGTACACT.1_9	YUGRUS	Mono 7
## CATTGCGAGCGCCTTG.1_9	YUGRUS	CD4T 5
## CATTGCTCTATCCTA.1_9	YUGRUS	CD8T 2
## CATTGCTCTTACCGC.1_9	YUGRUS	B 2
## CCAATCCAGTTATCGC.1_9	YUGRUS	CD8T 1
## CCACCTAAGGATGTAT.1_9	YUGRUS	CD8T 1
## CCACCTAAGTTTGCGT.1_9	YUGRUS	B 1
## CCACCTACAGGCTGAA.1_9	YUGRUS	Mono 7
## CCACCTAGTTGTACAC.1_9	YUGRUS	Mono 8
## CCACGGACAGCTGCTG.1_9	YUGRUS	NK 1
## CCACGGATCGTCACGG.1_9	YUGRUS	CD8T 1
## CCACTACAGAGAGCTC.1_9	YUGRUS	CD8T 1
## CCACTACAGCTGCAAG.1_9	YUGRUS	Mono 8
## CCAGCGACAGCTCCGA.1_9	YUGRUS	NK 2
## CCAGCGAGTCATGCAT.1_9	YUGRUS	NK 1
## CCAGCGAGTGCCTTGG.1_9	YUGRUS	TNKT 2
## CCATGTCAGACACGAC.1_9	YUGRUS	Mono 5
## CCATGTCAGGCCCTCA.1_9	YUGRUS	TNKT 1
## CCATGTCCATTGGCGC.1_9	YUGRUS	NK 1
## CCATGTCGTA CTCTCC.1_9	YUGRUS	CD4T 1
## CCATGTCGTTGCTCCT.1_9	YUGRUS	CD8T 1
## CCATTGCGTTCCACTC.1_9	YUGRUS	CD8T 3
## CCATTGCTCAAACGGG.1_9	YUGRUS	NK 2
## CCATTGCTCAAAGACA.1_9	YUGRUS	Mono 8
## CCCAATCAGGATGCGT.1_9	YUGRUS	NK 1
## CCCAATCTCATTATCC.1_9	YUGRUS	Mono 5
## CCCAATCTCGTAGGAG.1_9	YUGRUS	NK 4
## CCCAGTTCACCGAATT.1_9	YUGRUS	B 2
## CCCAGTTCACCGCTAG.1_9	YUGRUS	B 1
## CCCAGTTCACTCGACG.1_9	YUGRUS	CD8T 1
## CCCAGTTTCCTCCTAG.1_9	YUGRUS	B 1
## CCCAGTTTCTCGCATC.1_9	YUGRUS	Mono 5
## CCCATACTCCGAACGC.1_9	YUGRUS	CD4T 1
## CCTCCTCATCGATGT.1_9	YUGRUS	Mono 4
## CCTCCTGTGCGGAAA.1_9	YUGRUS	NK 1
## CCTCCTTTCGCATGGC.1_9	YUGRUS	Mono 5
## CCTCCTTCTAGAGTC.1_9	YUGRUS	Mono 3
## CCGGGATTCCAATGGT.1_9	YUGRUS	Mono 8
## CCGGTAGAGTGACTCT.1_9	YUGRUS	B 1
## CCGGTAGTCACCTCGT.1_9	YUGRUS	CD8T 1
## CCGGTAGTCATCACCC.1_9	YUGRUS	B 2

## CCGGTAGTCTCCAGGG.1_9	YUGRUS	Mono 7
## CCGTACTAGGAGCGTT.1_9	YUGRUS	CD4T 3
## CCGTACTCAATGCCAT.1_9	YUGRUS	NK 1
## CCGTACTCATGTGAT.1_9	YUGRUS	TNKT 2
## CCGTACTCATTAGGCT.1_9	YUGRUS	NK 2
## CCGTACTTCACTCCTG.1_9	YUGRUS	CD4T 2
## CCGTACTTCAGAGACG.1_9	YUGRUS	CD4T 6
## CCGTACTTCGGCATCG.1_9	YUGRUS	Mono 7
## CCGTGGAAGCACCGTC.1_9	YUGRUS	NK 1
## CCGTGGAAGGCATTGG.1_9	YUGRUS	CD4T 4
## CCGTGGACAATCAGAA.1_9	YUGRUS	Mono 5
## CCGTGGAGTCCCTTGT.1_9	YUGRUS	Mono 4
## CCGTGGAGTGAGGCTA.1_9	YUGRUS	NK 1
## CCGTGGAGTGCCTTG.1_9	YUGRUS	CD8T 1
## CCGTGGATCAAAGACA.1_9	YUGRUS	B 3
## CCGTGGATCTTTAGGG.1_9	YUGRUS	B 2
## CCGTTCAAGACTCGGA.1_9	YUGRUS	CD8T 1
## CCGTTCAAGATGCCTT.1_9	YUGRUS	Mono 4
## CCGTTCACAATGTAAG.1_9	YUGRUS	CD4T 7
## CCTAAAGCAGGGATTG.1_9	YUGRUS	TNKT 1
## CCTAAAGGTTGCCTCT.1_9	YUGRUS	CD8T 2
## CCTACCATCAGGTAAA.1_9	YUGRUS	B 1
## CCTACCATCATCATTC.1_9	YUGRUS	CD8T 1
## CCTAGCTAGCATCATC.1_9	YUGRUS	NK 2
## CCTAGCTGTAGAAAGG.1_9	YUGRUS	CD4T 1
## CCTAGCTGTCAGAAGC.1_9	YUGRUS	Mono 1
## CCTAGCTGTCTCACCT.1_9	YUGRUS	Mono 4
## CCTAGCTGTTCCCGAG.1_9	YUGRUS	CD4T 5
## CCTAGCTGTTGCGTTA.1_9	YUGRUS	Mono 4
## CCTAGCTTCGAGAGCA.1_9	YUGRUS	NK 3
## CCTATTAAGACACGAC.1_9	YUGRUS	Mono 7
## CCTATTACACCAGGTC.1_9	YUGRUS	CD4T 7
## CCTATTACATGGTTGT.1_9	YUGRUS	NK 2
## CCTATTATCTATCCCG.1_9	YUGRUS	NK 3
## CCTCTGAAGAGATGAG.1_9	YUGRUS	Mono 4
## CCTCTGAAGAGGACGG.1_9	YUGRUS	CD4T 3
## CCTTACGAGGCCGAAT.1_9	YUGRUS	Mono 1
## CCTTACGCAATGGAGC.1_9	YUGRUS	Mono 4
## CCTTACGCAATTCCTT.1_9	YUGRUS	CD8T 1
## CCTTACGTAAGGGAA.1_9	YUGRUS	Mono 4
## CCTTCCCCACAGAGGT.1_9	YUGRUS	Mono 8
## CCTTCGATCACAGGCC.1_9	YUGRUS	B 2
## CCTTCGATCCAGTAGT.1_9	YUGRUS	TNKT 1
## CCTTTCTCACACATGT.1_9	YUGRUS	CD8T 1
## CCTTTCTGTCATACTG.1_9	YUGRUS	Mono 1
## CCTTTCTGTGGTCTCG.1_9	YUGRUS	TNKT 2
## CCTTTCTTCGCGTTTC.1_9	YUGRUS	CD4T 1
## CGAACATAGAGGTAGA.1_9	YUGRUS	Mono 4
## CGAACATAGTGCTGCC.1_9	YUGRUS	Mono 4
## CGAACATCAACGATCT.1_9	YUGRUS	Mono 4
## CGAACATGTGGTTTCA.1_9	YUGRUS	Mono 5
## CGAACATTCAAGGTAA.1_9	YUGRUS	B 2
## CGAACATTCCCTCTTT.1_9	YUGRUS	CD8T 1
## CGAACATTCGTTTAGG.1_9	YUGRUS	B 1

## CGAATGTAGATCTGAA.1_9	YUGRUS	CD4T 6
## CGAATGTAGCACCGCT.1_9	YUGRUS	NK 2
## CGAATGTAGCCGATTT.1_9	YUGRUS	Mono 4
## CGAATGTAGTATGACA.1_9	YUGRUS	B 2
## CGAATGTCACGGTTTA.1_9	YUGRUS	CD8T 1
## CGAATGTCATCTCGCT.1_9	YUGRUS	B 2
## CGACCTTCACTACAGT.1_9	YUGRUS	Mono 9
## CGACCTTGTAGGGACT.1_9	YUGRUS	Mono 7
## CGACCTTGTGATTAGC.1_9	YUGRUS	NK 2
## CGACCTTGTGGGACA.1_9	YUGRUS	CD4T 5
## CGACTTCCAACACCTA.1_9	YUGRUS	B 3
## CGACTTCCACGGCTAC.1_9	YUGRUS	NK 2
## CGACTTCGTACCGTAT.1_9	YUGRUS	Mono 8
## CGACTTCTCCTCAATT.1_9	YUGRUS	Mono 8
## CGACTTCTCGTCACGG.1_9	YUGRUS	CD4T 1
## CGAGAAGAGTCTCCTC.1_9	YUGRUS	B 2
## CGAGAAGCACCTTGTC.1_9	YUGRUS	Mono 9
## CGAGCACAGCACAGGT.1_9	YUGRUS	CD8T 2
## CGAGCACAGCTAGGCA.1_9	YUGRUS	CD4T 3
## CGAGCACGTCCGAGTC.1_9	YUGRUS	NK 3
## CGAGCCAAGACACGAC.1_9	YUGRUS	CD4T 5
## CGATCGGAGATGTGGC.1_9	YUGRUS	NK 4
## CGATCGGGTGAAAGAG.1_9	YUGRUS	B 3
## CGATCGGGTTCAGACT.1_9	YUGRUS	CD8T 1
## CGATGGCGTTGCCTCT.1_9	YUGRUS	Mono 5
## CGATGTAAGCAGACTG.1_9	YUGRUS	Mono 5
## CGATGTACACGCTTTC.1_9	YUGRUS	Mono 1
## CGATTGAAGCCGTCGT.1_9	YUGRUS	CD4T 4
## CGATTGACAAGGTGTG.1_9	YUGRUS	Mono 8
## CGATTGAGTAAATGTG.1_9	YUGRUS	CD8T 1
## CGATTGAGTCGTCTTC.1_9	YUGRUS	B 3
## CGATTGAGTTACGGAG.1_9	YUGRUS	B 1
## CGATTGATCGTATCAG.1_9	YUGRUS	B 1
## CGCCAAGAGGATTCGG.1_9	YUGRUS	NK 2
## CGCCAAGAGTCCGGTC.1_9	YUGRUS	NK 1
## CGCCAAGTCACATAGC.1_9	YUGRUS	CD4T 2
## CGCCAAGTCCTTTACA.1_9	YUGRUS	Mono 8
## CGCGGTAAGAACAATC.1_9	YUGRUS	CD4T 5
## CGCGGTAGTCGGGTCT.1_9	YUGRUS	B 1
## CGCGTTTGTAAAGAGGA.1_9	YUGRUS	CD8T 1
## CGCGTTTGTACCTACA.1_9	YUGRUS	NK 1
## CGCGTTTGTGAGTGAC.1_9	YUGRUS	NK 2
## CGCGTTTTCAAACCGT.1_9	YUGRUS	B 1
## CGCGTTTCTCTTATG.1_9	YUGRUS	CD4T 2
## CGCTATCAGGGTGTG.1_9	YUGRUS	Mono 4
## CGCTATCCACGGATAG.1_9	YUGRUS	Mono 4
## CGCTATCGTAGCGCTC.1_9	YUGRUS	CD4T 3
## CGCTGGACAAGCGAGT.1_9	YUGRUS	Mono 5
## CGCTGGAGTCTAAACC.1_9	YUGRUS	TNKT 1
## CGCTTCACAGAGTGTG.1_9	YUGRUS	TNKT 1
## CGCTTCATCTTACCGC.1_9	YUGRUS	NK 3
## CGGACGTAGCAGATCG.1_9	YUGRUS	B 2
## CGGACGTGTGTTGAGG.1_9	YUGRUS	Mono 7
## CGGACGTTCTTTCCTC.1_9	YUGRUS	CD4T 5

## CGGACTGAGCCACGTC.1_9	YUGRUS	NK 3
## CGGACTGAGTGCCTGA.1_9	YUGRUS	TNKT 2
## CGGACTGCAGATCGGA.1_9	YUGRUS	TNKT 2
## CGGACTGGTTCTCATT.1_9	YUGRUS	NK 1
## CGGACTGTCAACGGGA.1_9	YUGRUS	CD8T 2
## CGGACTGTCACCAGGC.1_9	YUGRUS	Mono 8
## CGGACTGTCCGCTGTT.1_9	YUGRUS	B 1
## CGGAGCTAGCTCAACT.1_9	YUGRUS	CD8T 1
## CGGAGCTTCGAATGGG.1_9	YUGRUS	NK 3
## CGGAGCTTCGCAGGCT.1_9	YUGRUS	NK 1
## CGGAGTCAGGTAGCTG.1_9	YUGRUS	CD8T 2
## CGGCTAGCATGCAATC.1_9	YUGRUS	CD4T 2
## CGGCTAGTCCCAAGAT.1_9	YUGRUS	CD8T 2
## CGGCTAGTCTGAAAGA.1_9	YUGRUS	B 2
## CGGGTCAAGGACCACA.1_9	YUGRUS	CD4T 1
## CGGGTCACACGCCAGT.1_9	YUGRUS	CD4T 3
## CGGTTAACAAAGGCGT.1_9	YUGRUS	CD8T 2
## CGGTTAACACTGTCGG.1_9	YUGRUS	Mono 5
## CGGTTAACAGAAGCAC.1_9	YUGRUS	B 2
## CGGTTAAGTAAACGCG.1_9	YUGRUS	CD8T 1
## CGGTTAAGTCACCCAG.1_9	YUGRUS	CD4T 4
## CGGTTAAGTTGACGTT.1_9	YUGRUS	NK 1
## CGGTTAATCCAGAGGA.1_9	YUGRUS	NK 1
## CGGTTAATCTTGCCGT.1_9	YUGRUS	B 3
## CGTAGCGCAAGGACTG.1_9	YUGRUS	NK 2
## CGTAGCGCAGACGCAA.1_9	YUGRUS	TNKT 2
## CGTAGCGGTGAGTGAC.1_9	YUGRUS	CD4T 1
## CGTAGGCAGACGACGT.1_9	YUGRUS	Mono 1
## CGTAGGCAGCGCCTCA.1_9	YUGRUS	CD4T 2
## CGTAGGCAGTGGGCTA.1_9	YUGRUS	CD4T 6
## CGTAGGCGTGATGCCC.1_9	YUGRUS	Mono 1
## CGTCACTAGTCTCCTC.1_9	YUGRUS	Mono 7
## CGTCACTGTCAGAGGT.1_9	YUGRUS	Mono 9
## CGTCACTGTGCGATAG.1_9	YUGRUS	CD8T 1
## CGTCACTTCCTTTCGG.1_9	YUGRUS	Mono 5
## CGTCACTTCGATGAGG.1_9	YUGRUS	Mono 4
## CGTCAGGAGGTTACCT.1_9	YUGRUS	CD4T 1
## CGTCAGGGTATAATGG.1_9	YUGRUS	Mono 4
## CGTCAGGTCCGTCATC.1_9	YUGRUS	B 3
## CGTCAGGTCTGAATGGG.1_9	YUGRUS	Mono 7
## CGTCCATAGATTACCC.1_9	YUGRUS	NK 2
## CGTCCATAGTTGAGTA.1_9	YUGRUS	Mono 4
## CGTCCATCACATGACT.1_9	YUGRUS	B 1
## CGTCCATCAGGTCTCG.1_9	YUGRUS	B 1
## CGTCCATTCTGACCGG.1_9	YUGRUS	CD8T 1
## CGTCTACAGTACGTAA.1_9	YUGRUS	Mono 2
## CGTCTACAGTACTTGC.1_9	YUGRUS	TNKT 2
## CGTCTACCACCATCCT.1_9	YUGRUS	Mono 7
## CGTCTACTCGTTACAG.1_9	YUGRUS	NK 2
## CGTGAGCAGGGAACGG.1_9	YUGRUS	CD8T 1
## CGTGAGCAGTGGGTTG.1_9	YUGRUS	CD8T 3
## CGTGAGCAGTTCGCGC.1_9	YUGRUS	Mono 8
## CGTGAGCCAGACACTT.1_9	YUGRUS	NK 1
## CGTGAGCCATCACAAC.1_9	YUGRUS	Mono 5

## CGTGAGCGTAATCGTC.1_9	YUGRUS	B 3
## CGTGAGCGTTCCACAA.1_9	YUGRUS	B 2
## CGTGAGCTCCTGTACC.1_9	YUGRUS	NK 1
## CGTGTAAGATCGGGT.1_9	YUGRUS	Mono 7
## CGTGTAACACTACAGT.1_9	YUGRUS	NK 1
## CGTGTAAGTCTGGTCG.1_9	YUGRUS	CD4T 1
## CGTGTAATCCTGCTTG.1_9	YUGRUS	CD4T 3
## CGTGTAATCTCAAACG.1_9	YUGRUS	Mono 8
## CGTGTCTAGCCGCCTA.1_9	YUGRUS	CD4T 5
## CGTGTCTCAGACAAAT.1_9	YUGRUS	Mono 4
## CGTGTCTCATCACGTA.1_9	YUGRUS	B 1
## CGTGTCTGTGCATCTA.1_9	YUGRUS	Mono 4
## CGTGTCTTCAATCTCT.1_9	YUGRUS	CD4T 6
## CGTGTCTTCGACGGAA.1_9	YUGRUS	Mono 7
## CGTGTCTTCTACCAGA.1_9	YUGRUS	Mono 4
## CGTTAGAAGACCTTTG.1_9	YUGRUS	NK 1
## CGTTAGAAGTTACCCA.1_9	YUGRUS	NK 2
## CGTTAGATCATGTAGC.1_9	YUGRUS	Mono 2
## CGTTAGATCGTTTGCC.1_9	YUGRUS	CD8T 1
## CGTTCTGCATGACGGA.1_9	YUGRUS	B 1
## CGTTCTGGTTACGACT.1_9	YUGRUS	Mono 8
## CGTTGGGAGACTGTAA.1_9	YUGRUS	CD4T 2
## CGTTGGGAGCGAAGGG.1_9	YUGRUS	NK 4
## CGTTGGGTCTTAGCCC.1_9	YUGRUS	CD4T 6
## CTAACCTTAGGAATCGC.1_9	YUGRUS	Mono 4
## CTAACCTTAGTGAGTC.1_9	YUGRUS	B 2
## CTAACCTTCAGCGAACA.1_9	YUGRUS	NK 2
## CTAACCTTTCTACTTAC.1_9	YUGRUS	Mono 8
## CTAACCTTTCTCTGAGA.1_9	YUGRUS	Mono 8
## CTAAGACCACACCGAC.1_9	YUGRUS	CD8T 1
## CTAAGACGTCGCCATG.1_9	YUGRUS	CD8T 3
## CTAAGACTCTGTGCAA.1_9	YUGRUS	B 2
## CTAATGGGTCCCTTGT.1_9	YUGRUS	TNKT 1
## CTAATGGTCTCGCTTG.1_9	YUGRUS	CD4T 3
## CTACACCAGGGTTTCT.1_9	YUGRUS	CD4T 4
## CTACACCCAGATGAGC.1_9	YUGRUS	CD4T 1
## CTACACCCATATACCG.1_9	YUGRUS	Mono 8
## CTACATTAGCGATTCT.1_9	YUGRUS	Mono 4
## CTACATTAGGTAGCCA.1_9	YUGRUS	Mono 7
## CTACATTCACTAGTAC.1_9	YUGRUS	CD8T 2
## CTACATTGTATCACCA.1_9	YUGRUS	B 1
## CTACCCAAGTGTCGCG.1_9	YUGRUS	DC 1
## CTACCCATCAACGGGA.1_9	YUGRUS	TNKT 1
## CTACGTCAGCAATATG.1_9	YUGRUS	B 2
## CTACGTCGTGCAACTT.1_9	YUGRUS	CD4T 6
## CTACGTCTCGCGTTTC.1_9	YUGRUS	Mono 5
## CTAGAGTCATGGTCTA.1_9	YUGRUS	TNKT 1
## CTAGAGTGAGCCTAT.1_9	YUGRUS	Mono 1
## CTAGAGTGTCATGCCG.1_9	YUGRUS	NK 3
## CTAGAGTTCGTTACGA.1_9	YUGRUS	TNKT 1
## CTAGCCTCACGACTCG.1_9	YUGRUS	CD8T 2
## CTAGCCTTCCTATGTT.1_9	YUGRUS	CD4T 1
## CTAGCCTTCTGGCGAC.1_9	YUGRUS	Mono 7
## CTAGTGACAAACAACA.1_9	YUGRUS	B 3

##	CTAGTGAGTCCATGAT.1_9	YUGRUS	CD8T	1
##	CTCACACGTGGGTATG.1_9	YUGRUS	TNKT	1
##	CTCACACTCATCGCTC.1_9	YUGRUS	B	3
##	CTCAGAAAGCTGCGAA.1_9	YUGRUS	TNKT	2
##	CTCAGAAAGTCTTGCA.1_9	YUGRUS	Mono	7
##	CTCAGAAAGTTAAGACA.1_9	YUGRUS	CD8T	2
##	CTCATTAAAGATGTTAG.1_9	YUGRUS	CD8T	2
##	CTCATTACACGGCTAC.1_9	YUGRUS	TNKT	2
##	CTCATTAGTCACTTCC.1_9	YUGRUS	B	2
##	CTCATTAGTGTGGCTC.1_9	YUGRUS	Mono	2
##	CTCATTAGTTCTCATT.1_9	YUGRUS	CD4T	5
##	CTCATTATCTTAACCT.1_9	YUGRUS	Mono	2
##	CTCCTAGAGGATATAC.1_9	YUGRUS	Mono	8
##	CTCCTAGAGGTGATAT.1_9	YUGRUS	CD8T	1
##	CTCCTAGCACAGAGGT.1_9	YUGRUS	Mono	7
##	CTCCTAGTCGGCGCAT.1_9	YUGRUS	Mono	7
##	CTCCTAGTCTAACCGA.1_9	YUGRUS	B	2
##	CTCGAAAAGGCAGGTT.1_9	YUGRUS	Mono	8
##	CTCGAAACATCCAACA.1_9	YUGRUS	Mono	5
##	CTCGAAAGTTCTGAAC.1_9	YUGRUS	CD8T	2
##	CTCGAGGAGAATGTTG.1_9	YUGRUS	CD8T	1
##	CTCGAGGCATCCAACA.1_9	YUGRUS	CD4T	5
##	CTCGAGGGTAGCGTGA.1_9	YUGRUS	TNKT	2
##	CTCGAGGGTGACTCAT.1_9	YUGRUS	CD4T	2
##	CTCGGAGAGACTACAA.1_9	YUGRUS	CD8T	1
##	CTCGGAGAGTGAACAT.1_9	YUGRUS	Mono	7
##	CTCGGAGGTGCCTGCA.1_9	YUGRUS	NK	1
##	CTCGTACAGGCGTACA.1_9	YUGRUS	B	2
##	CTCGTACAGTGGAGAA.1_9	YUGRUS	B	2
##	CTCGTACGTAGATTAG.1_9	YUGRUS	TNKT	1
##	CTCGTACGTCACAAGG.1_9	YUGRUS	CD8T	3
##	CTCGTCAGTTATGCGT.1_9	YUGRUS	B	2
##	CTCGTCATCACTGGGC.1_9	YUGRUS	Mono	7
##	CTCGTCATCGTCCGTT.1_9	YUGRUS	NK	1
##	CTCTAATAGTCGATAA.1_9	YUGRUS	CD8T	2
##	CTCTAATCATGCTAGT.1_9	YUGRUS	CD8T	1
##	CTCTAATGTCTGCGGT.1_9	YUGRUS	CD8T	1
##	CTCTACGCACCAACCG.1_9	YUGRUS	CD8T	1
##	CTCTACGCATCAGTCA.1_9	YUGRUS	Mono	8
##	CTCTACGTCCTATGTT.1_9	YUGRUS	B	1
##	CTCTACGTGCAATCCA.1_9	YUGRUS	Mono	5
##	CTCTGGTAGACTTGAA.1_9	YUGRUS	NK	3
##	CTCTGGTAGGGTATCG.1_9	YUGRUS	NK	2
##	CTCTGGTCAGGGATTG.1_9	YUGRUS	Mono	4
##	CTCTGGTGTGGTAACG.1_9	YUGRUS	NK	1
##	CTCTGGTGTACAGAA.1_9	YUGRUS	Mono	4
##	CTCTGGTTCAGGTTCA.1_9	YUGRUS	NK	1
##	CTCTGGTTCCCAAGTA.1_9	YUGRUS	B	2
##	CTGAAACAGTGA CTCT.1_9	YUGRUS	NK	3
##	CTGAAACCACCACGTG.1_9	YUGRUS	Mono	1
##	CTGAAACGTAAATGTG.1_9	YUGRUS	TNKT	2
##	CTGAAACGTACGCACC.1_9	YUGRUS	TNKT	1
##	CTGAAACGTTACGGAG.1_9	YUGRUS	TNKT	2
##	CTGAAACTCAGAAATG.1_9	YUGRUS	NK	2

## CTGAAACTCATCGATG.1_9	YUGRUS	TNKT 2
## CTGAAGTAGCTCTCGG.1_9	YUGRUS	CD8T 1
## CTGAAGTAGGGCTTCC.1_9	YUGRUS	Mono 8
## CTGAAGTGTCTCCCTA.1_9	YUGRUS	B 2
## CTGAAGTGTGCGTTA.1_9	YUGRUS	NK 4
## CTGAAGTTCCTTGCA.1_9	YUGRUS	CD8T 1
## CTGATAGAGCTACCGC.1_9	YUGRUS	CD8T 1
## CTGATAGCAGGACGTA.1_9	YUGRUS	Mono 5
## CTGATAGTCGTTTATC.1_9	YUGRUS	Mono 4
## CTGATCCCAGGGTATG.1_9	YUGRUS	TNKT 1
## CTGATCCGTGAGTATA.1_9	YUGRUS	NK 2
## CTGATCCGTTCAGCGC.1_9	YUGRUS	Mono 3
## CTGATCCTCTTGAGAC.1_9	YUGRUS	NK 1
## CTGCCTAGTTGGAGGT.1_9	YUGRUS	Mono 5
## CTGCCTATCAACACAC.1_9	YUGRUS	CD8T 1
## CTGCGGAAGAGGGCTT.1_9	YUGRUS	NK 1
## CTGCGGACAAATCCGT.1_9	YUGRUS	CD4T 5
## CTGCGGACAAGAGTCG.1_9	YUGRUS	NK 3
## CTGCGGACACGAAACG.1_9	YUGRUS	Mono 4
## CTGCGGAGTCCGTAA.1_9	YUGRUS	CD4T 3
## CTGCTGTAGGCGTACA.1_9	YUGRUS	CD4T 1
## CTGCTGTAGGCTCATT.1_9	YUGRUS	NK 1
## CTGCTGTAGGGTTCCC.1_9	YUGRUS	Mono 4
## CTGCTGTCAATCAGAA.1_9	YUGRUS	CD4T 7
## CTGCTGTTGCGGTTTC.1_9	YUGRUS	Mono 7
## CTGCTGTTGCGTTGTC.1_9	YUGRUS	Mono 7
## CTGCTGTTCTAGCACA.1_9	YUGRUS	Mono 7
## CTGCTGTTCTTTACGT.1_9	YUGRUS	Mono 7
## CTGGTCTCACACTGCG.1_9	YUGRUS	CD8T 2
## CTGGTCTCACAGGAGT.1_9	YUGRUS	TNKT 1
## CTGGTCTGTGAGCGAT.1_9	YUGRUS	Mono 3
## CTGGTCTGTACTGAC.1_9	YUGRUS	NK 1
## CTGGTCTTCTCCAGGG.1_9	YUGRUS	CD8T 3
## CTGTGCTAGATATACG.1_9	YUGRUS	CD4T 2
## CTGTGCTAGCGGCTTC.1_9	YUGRUS	CD8T 1
## CTGTGCTTCAGATAAG.1_9	YUGRUS	CD4T 1
## CTGTGCTTCCTGTACC.1_9	YUGRUS	Mono 1
## CTGTTTAAGAGGACGG.1_9	YUGRUS	CD8T 2
## CTGTTTAGTCAGCTAT.1_9	YUGRUS	B 1
## CTGTTTAGTCTAGCGC.1_9	YUGRUS	CD8T 1
## CTGTTTAGTTAAGAAC.1_9	YUGRUS	B 1
## CTGTTTATCAGAGACG.1_9	YUGRUS	Mono 8
## CTAACTAGTGTACTC.1_9	YUGRUS	B 1
## CTAACTGTCTCCATC.1_9	YUGRUS	Mono 8
## CTAACTGTGCCTGTG.1_9	YUGRUS	Mono 4
## CTAACTTCGCCAAAT.1_9	YUGRUS	Mono 8
## CTTACCGAGCGAGAAA.1_9	YUGRUS	NK 1
## CTTACCGCAACGATCT.1_9	YUGRUS	CD8T 1
## CTTACCGGTCGAAAGC.1_9	YUGRUS	CD8T 1
## CTTACCGGTTGTCGCG.1_9	YUGRUS	Mono 7
## CTTAGGAAGCCGGTAA.1_9	YUGRUS	TNKT 1
## CTTAGGAAGGCGACAT.1_9	YUGRUS	B 2
## CTTAGGACACGGATAG.1_9	YUGRUS	CD4T 1
## CTTAGGATCAGCACAT.1_9	YUGRUS	CD8T 2

## CTTCTCTTCCAGGGCT.1_9	YUGRUS	CD4T 6
## CTTGGCTGTGCCTGCA.1_9	YUGRUS	Mono 8
## CTTGGCTGTTAGAACA.1_9	YUGRUS	CD4T 7
## CTTGGCTGTTATTCTC.1_9	YUGRUS	TNKT 1
## CTTGGCTTCACTCCTG.1_9	YUGRUS	CD8T 1
## CTTGGCTTCGCCCTTA.1_9	YUGRUS	Mono 9
## CTTGGCTTCGTAGGAG.1_9	YUGRUS	B 2
## CTTTGCGAGAAACCGC.1_9	YUGRUS	Mono 8
## CTTTGCGAGGGTTTCT.1_9	YUGRUS	CD8T 1
## CTTTGCGTCAGTTTGG.1_9	YUGRUS	B 3
## GAAACTCCACGAAAGC.1_9	YUGRUS	NK 1
## GAAACTCCATGTTGAC.1_9	YUGRUS	CD4T 5
## GAAACTCCATTGTGCA.1_9	YUGRUS	Mono 9
## GAAACTCTCCGTAGTA.1_9	YUGRUS	Mono 7
## GAAACTCTCTTGCAAG.1_9	YUGRUS	NK 3
## GAAATGAAGGGATAACC.1_9	YUGRUS	B 2
## GAAATGACAGGGATTG.1_9	YUGRUS	NK 2
## GAAATGAGTAGCTAAA.1_9	YUGRUS	CD8T 2
## GAACATCAGATCCTGT.1_9	YUGRUS	TNKT 2
## GAACATCGTGATAAGT.1_9	YUGRUS	B 2
## GAACATCGTTGTTTGG.1_9	YUGRUS	NK 3
## GAACCTAAGAAGCCCA.1_9	YUGRUS	Mono 4
## GAAGCAGCACGTCAGC.1_9	YUGRUS	NK 3
## GAAGCAGGTCTTGTC.1_9	YUGRUS	NK 3
## GAAGCAGTCATCTGCC.1_9	YUGRUS	CD4T 3
## GAAGCAGTCTGCGGCA.1_9	YUGRUS	TNKT 1
## GAATAAGAGTCGAGTG.1_9	YUGRUS	CD4T 6
## GAATAAGGTCTCGTTC.1_9	YUGRUS	Mono 7
## GAATAAGTCCTCGCAT.1_9	YUGRUS	B 2
## GAATAAGTCTCCGGTT.1_9	YUGRUS	Mono 5
## GAATAAGTCTGCCCTA.1_9	YUGRUS	CD4T 6
## GAATGAACACGGTGTC.1_9	YUGRUS	CD4T 1
## GAATGAACAGACTCGC.1_9	YUGRUS	B 2
## GAATGAATCAGGCCCA.1_9	YUGRUS	NK 1
## GAATGAATCGCAGGCT.1_9	YUGRUS	Mono 5
## GACACGCAGAAGCCCA.1_9	YUGRUS	TNKT 2
## GACACGCTCTGGTTCC.1_9	YUGRUS	TNKT 1
## GACCAATAGACAAAGG.1_9	YUGRUS	CD4T 4
## GACCAATAGCTAGTCT.1_9	YUGRUS	CD8T 2
## GACCAATACCGAATT.1_9	YUGRUS	Mono 4
## GACCAATCAGTTCCCT.1_9	YUGRUS	Mono 9
## GACCAATCATGCCACG.1_9	YUGRUS	Mono 5
## GACCAATGTTGAGGTG.1_9	YUGRUS	CD8T 1
## GACCAATGTTGATTG.1_9	YUGRUS	Mono 1
## GACCTGGAGACGACGT.1_9	YUGRUS	Mono 7
## GACCTGGAGGGCACTA.1_9	YUGRUS	CD4T 6
## GACCTGGCACAAGTAA.1_9	YUGRUS	Mono 9
## GACCTGGGTCCGAACC.1_9	YUGRUS	TNKT 1
## GACCTGGTCACTCCTG.1_9	YUGRUS	CD4T 1
## GACGCGTAGTCTCAAC.1_9	YUGRUS	B 2
## GACGCGTCACGACGAA.1_9	YUGRUS	CD8T 1
## GACGCGTGATAGTAG.1_9	YUGRUS	CD4T 4
## GACGCGTGTCGAAAGC.1_9	YUGRUS	Mono 5
## GACGCGTTCACCCTCA.1_9	YUGRUS	NK 4

## GACGGCTCAACACCTA.1_9	YUGRUS	CD8T 1
## GACGGCTGTAGGCATG.1_9	YUGRUS	Mono 8
## GACGGCTTCTGTACGA.1_9	YUGRUS	DC 1
## GACGTGCAGCCGATTT.1_9	YUGRUS	Mono 7
## GACGTGCCAAGCCTAT.1_9	YUGRUS	CD8T 1
## GACGTGCTCAGTCCCT.1_9	YUGRUS	Mono 4
## GACGTGCTCATCGATG.1_9	YUGRUS	CD4T 6
## GACGTGCTCCTGTACC.1_9	YUGRUS	NK 4
## GACGTTAAGACATAAC.1_9	YUGRUS	Mono 5
## GACGTTACACAAGACG.1_9	YUGRUS	Mono 5
## GACGTTACACACAGAG.1_9	YUGRUS	NK 1
## GACGTTACACGACGAA.1_9	YUGRUS	B 2
## GACGTTACAGCTTAAC.1_9	YUGRUS	CD4T 4
## GACTAACAGCCAACAG.1_9	YUGRUS	CD8T 1
## GACTAACCACAACGTT.1_9	YUGRUS	B 1
## GACTAACCACGACGAA.1_9	YUGRUS	B 3
## GACTAACCATACTCTT.1_9	YUGRUS	CD8T 1
## GACTAACGTACAGTTC.1_9	YUGRUS	CD4T 6
## GACTAACGTCAGAAGC.1_9	YUGRUS	B 2
## GACTACACACCCATTC.1_9	YUGRUS	CD8T 1
## GACTGCGCAGGATTGG.1_9	YUGRUS	B 2
## GACTGCGTCACCAGGC.1_9	YUGRUS	Mono 7
## GACTGCGTCGTCCGTT.1_9	YUGRUS	CD4T 1
## GAGCAGACAACACCCG.1_9	YUGRUS	NK 1
## GAGCAGACACGCCAGT.1_9	YUGRUS	B 1
## GAGGTGAGTAGCGTGA.1_9	YUGRUS	NK 3
## GAGTCCGTCCAAGCCG.1_9	YUGRUS	Mono 1
## GATCAGTAGATGTGTA.1_9	YUGRUS	CD4T 6
## GATCAGTAGCGTAATA.1_9	YUGRUS	CD4T 7
## GATCAGTAGTCGATAA.1_9	YUGRUS	B 1
## GATCAGTTCGTCCAGG.1_9	YUGRUS	Mono 7
## GATCGATCACTAGTAC.1_9	YUGRUS	CD4T 6
## GATCGATCATCTCGCT.1_9	YUGRUS	Mono 8
## GATCGATCATGCTGGC.1_9	YUGRUS	B 2
## GATCGATGTACCGAGA.1_9	YUGRUS	Mono 5
## GATCGATTCACTTCAT.1_9	YUGRUS	Mono 1
## GATCGATTCACTTGAC.1_9	YUGRUS	CD8T 1
## GATCGATTACATACGGT.1_9	YUGRUS	NK 2
## GATCGATTCCCACTTG.1_9	YUGRUS	NK 1
## GATCGATTGCCCCTTA.1_9	YUGRUS	NK 1
## GATCGCGAGTACGTAA.1_9	YUGRUS	CD4T 1
## GATCGCGCACCAGATT.1_9	YUGRUS	CD8T 1
## GATCGCGCAGTCAGCC.1_9	YUGRUS	Mono 5
## GATCGCGGTAGCGCTC.1_9	YUGRUS	CD8T 1
## GATCGCGTCAGCTGGC.1_9	YUGRUS	CD4T 5
## GATCGTAAGTACGCCC.1_9	YUGRUS	CD8T 1
## GATCGTAGTCCATCCT.1_9	YUGRUS	TNKT 1
## GATCGTATCTAACTGG.1_9	YUGRUS	CD8T 1
## GATCTAGCATCGATGT.1_9	YUGRUS	Mono 1
## GATCTAGGTCGGCTCA.1_9	YUGRUS	Mono 8
## GATCTAGGTCTAAAGA.1_9	YUGRUS	TNKT 2
## GATGAAAAGGTACTCT.1_9	YUGRUS	TNKT 1
## GATGAAAAGTGATGGG.1_9	YUGRUS	CD4T 4
## GATGAAATCGTCACGG.1_9	YUGRUS	CD4T 3

## GATGAGGCATCCCACT.1_9	YUGRUS	NK 3
## GATGAGGGTGCTGTAT.1_9	YUGRUS	Mono 9
## GATGAGGTCCGAGCCA.1_9	YUGRUS	B 3
## GATGCTAAGATGGGTC.1_9	YUGRUS	CD4T 5
## GATGCTACAAGAGTCG.1_9	YUGRUS	Mono 5
## GATTTCAGAGACACGAC.1_9	YUGRUS	CD4T 5
## GATTTCAGAGTTCCACA.1_9	YUGRUS	DC 1
## GATTTCAGGTACCATCA.1_9	YUGRUS	TNKT 1
## GCAAACCTAGATAGTCA.1_9	YUGRUS	B 2
## GCAAACCTAGTAGCGGT.1_9	YUGRUS	CD4T 1
## GCAAACCTGTCGACTAT.1_9	YUGRUS	Mono 5
## GCAATCAAGTGCTGCC.1_9	YUGRUS	CD4T 6
## GCAATCAAGTTGCAGG.1_9	YUGRUS	CD4T 5
## GCAATCATCAAACAAG.1_9	YUGRUS	Mono 5
## GCACATAGTAAATGTG.1_9	YUGRUS	Mono 8
## GCACTCTAGCTAACAA.1_9	YUGRUS	CD8T 1
## GCACTCTCATTCTCTG.1_9	YUGRUS	Mono 1
## GCACTCTGTGGACGAT.1_9	YUGRUS	CD8T 1
## GCAGCCAAGAGCTTCT.1_9	YUGRUS	CD4T 4
## GCAGCCAGTCCCTTGT.1_9	YUGRUS	CD8T 1
## GCAGTTAAGTGGGATC.1_9	YUGRUS	B 1
## GCAGTTAGTGAAGGCT.1_9	YUGRUS	TNKT 1
## GCAGTTAGTTCCTCCA.1_9	YUGRUS	Mono 9
## GCAGTTATCGGCTACG.1_9	YUGRUS	CD4T 5
## GCATACAAGGCTAGGT.1_9	YUGRUS	B 2
## GCATACAAGTCACGCC.1_9	YUGRUS	Mono 8
## GCATACATCACAAACC.1_9	YUGRUS	Mono 8
## GCATACATCGCGTAGC.1_9	YUGRUS	Mono 7
## GCATACATCTTCGAGA.1_9	YUGRUS	CD8T 2
## GCATGATAGACAAGCC.1_9	YUGRUS	CD4T 1
## GCATGATAGGCTAGCA.1_9	YUGRUS	Mono 9
## GCATGATCAGTAAGAT.1_9	YUGRUS	NK 3
## GCATGATTACAAATGC.1_9	YUGRUS	TNKT 2
## GCATGATTCCTACAGA.1_9	YUGRUS	TNKT 2
## GCATGATTCTACTATC.1_9	YUGRUS	B 2
## GCATGATTCTCCCTGA.1_9	YUGRUS	Mono 9
## GCATGCGAGTGGTAGC.1_9	YUGRUS	NK 1
## GCATGCGGTCAGATAA.1_9	YUGRUS	NK 3
## GCATGCGTCACCTTAT.1_9	YUGRUS	CD4T 1
## GCATGCGTCCAAATGC.1_9	YUGRUS	Mono 5
## GCATGCGTCCAGTATG.1_9	YUGRUS	B 1
## GCATGCGTCTTCTGGC.1_9	YUGRUS	CD8T 1
## GCATGTAAGAACAATC.1_9	YUGRUS	Mono 8
## GCATGTAGTTTAGGAA.1_9	YUGRUS	Mono 4
## GCCAAATAGAGGTAGA.1_9	YUGRUS	Mono 4
## GCCAAATAGTACCGGA.1_9	YUGRUS	Mono 8
## GCCAAATAGTGGTAGC.1_9	YUGRUS	CD4T 1
## GCCAAATGTGTGACCC.1_9	YUGRUS	Mono 4
## GCCAAATTCACGATGT.1_9	YUGRUS	NK 2
## GCCTCTAAGTCGAGTG.1_9	YUGRUS	CD4T 1
## GCCTCTAAGTTAGGTA.1_9	YUGRUS	Mono 9
## GCCTCTAGTTCGGTCT.1_9	YUGRUS	CD4T 1
## GCGACCAAGGGCTTGA.1_9	YUGRUS	CD4T 3
## GCGACCATCTGCCAGG.1_9	YUGRUS	Mono 5

## GCGAGAAAGGTAAACT.1_9	YUGRUS	CD4T 1
## GCGAGAAGTATAAACG.1_9	YUGRUS	NK 1
## GCGAGAAGTATATGAG.1_9	YUGRUS	Mono 7
## GCGAGAAGTGTAATGA.1_9	YUGRUS	Mono 4
## GCGAGAATCAAAGTAG.1_9	YUGRUS	NK 4
## GCGCAACAGGGTTTCT.1_9	YUGRUS	Mono 1
## GCGCAACCAGACTCGC.1_9	YUGRUS	DC 1
## GCGCAGTAGTTAACGA.1_9	YUGRUS	CD4T 4
## GCGCAGTCAACACGCC.1_9	YUGRUS	B 2
## GCGCAGTCATGGTCAT.1_9	YUGRUS	CD4T 7
## GCGCAGTGTTAAGACA.1_9	YUGRUS	CD4T 4
## GCGCCAAGTCGCCATG.1_9	YUGRUS	TNKT 1
## GCGCCAATCGGCGCAT.1_9	YUGRUS	CD4T 7
## GCGGGTTAGGTGCACA.1_9	YUGRUS	Mono 5
## GCGGGTTAGGTGCTTT.1_9	YUGRUS	Mono 7
## GCGGGTTAGTGCAAGC.1_9	YUGRUS	Mono 5
## GCGGGTTCAAGGCTCC.1_9	YUGRUS	NK 1
## GCGGGTTCAGCCAATT.1_9	YUGRUS	B 1
## GCTCCTACACAACGTT.1_9	YUGRUS	B 2
## GCTCCTATCCGCATCT.1_9	YUGRUS	CD8T 1
## GCTCTGTGTAGCCTAT.1_9	YUGRUS	CD4T 7
## GCTCTGTGTATATGAG.1_9	YUGRUS	CD8T 2
## GCTCTGTGTCTACCTC.1_9	YUGRUS	NK 2
## GCTGCAGGTGATAAGT.1_9	YUGRUS	Mono 1
## GCTGCAGTCCCTCTTT.1_9	YUGRUS	Mono 5
## GCTGCGAAGACCACGA.1_9	YUGRUS	CD4T 3
## GCTGCGACAATTCCTT.1_9	YUGRUS	CD4T 5
## GCTGCGATCAGAAATG.1_9	YUGRUS	NK 3
## GCTGCTTAGAAAAGTGG.1_9	YUGRUS	NK 3
## GCTGCTTAGTAGCCGA.1_9	YUGRUS	TNKT 1
## GCTGCTTCAGGGAGAG.1_9	YUGRUS	Mono 8
## GCTGCTTGTTAAGGGC.1_9	YUGRUS	CD8T 2
## GCTGCTTTCAGGCGAA.1_9	YUGRUS	NK 2
## GCTGCTTTCTTTACAC.1_9	YUGRUS	Mono 4
## GCTGGGTCAACAAGCCC.1_9	YUGRUS	CD4T 1
## GCTGGGTCACTTCGAA.1_9	YUGRUS	B 1
## GCTGGGTGTACTCTCC.1_9	YUGRUS	Mono 9
## GCTGGGTTCACCCGAG.1_9	YUGRUS	CD4T 7
## GCTTCCACATCGGAAG.1_9	YUGRUS	TNKT 2
## GCTTCCAGTACCATCA.1_9	YUGRUS	TNKT 2
## GCTTCCATCAAGATCC.1_9	YUGRUS	Mono 4
## GCTTGAAGTCTTCTCG.1_9	YUGRUS	NK 3
## GGAAAGCAGGGTGTTG.1_9	YUGRUS	B 1
## GGAAAGCCAAATCCGT.1_9	YUGRUS	NK 3
## GGAAAGCGTCGCATCG.1_9	YUGRUS	TNKT 1
## GGAAGTTAGCAAATCA.1_9	YUGRUS	TNKT 1
## GGAATAAAGACAAGCC.1_9	YUGRUS	CD8T 1
## GGAATAAAGGGTTTCT.1_9	YUGRUS	B 3
## GGAATAACATTAGCCA.1_9	YUGRUS	Mono 8
## GGAATAATCCAAGCCG.1_9	YUGRUS	B 2
## GGAATAATCGAACTGT.1_9	YUGRUS	CD4T 1
## GGAATAATCGACGGAA.1_9	YUGRUS	CD8T 2
## GGACAAGAGATGCCTT.1_9	YUGRUS	B 2
## GGACAAGAGTATGACA.1_9	YUGRUS	CD4T 1

## GGACAAGCACCTGGTG.1_9	YUGRUS	CD4T 1
## GGACAAGGTCGTGGCT.1_9	YUGRUS	Mono 7
## GGACAAGGTGTTGAGG.1_9	YUGRUS	CD4T 6
## GGACAAGTCGTAGGTT.1_9	YUGRUS	Mono 1
## GGACAGACACGAAACG.1_9	YUGRUS	CD4T 1
## GGACAGAGTCATCGGC.1_9	YUGRUS	Mono 7
## GGACAGAGTTATTCTC.1_9	YUGRUS	CD8T 1
## GGACATTAGGATGCGT.1_9	YUGRUS	Mono 7
## GGACATTACCTCGTT.1_9	YUGRUS	Mono 4
## GGACATTTAGTGTG.1_9	YUGRUS	TNKT 2
## GGACATTTGCGCCTTA.1_9	YUGRUS	B 2
## GGACGTCAGAAACCGC.1_9	YUGRUS	B 2
## GGACGTCGTTGAGTTC.1_9	YUGRUS	CD8T 2
## GGAGCAAAGCTGGAAC.1_9	YUGRUS	Mono 9
## GGAGCAACAGCCTTGG.1_9	YUGRUS	CD4T 1
## GGAGCAATCAGTGTG.1_9	YUGRUS	NK 3
## GGATGTTGTCTTCTCG.1_9	YUGRUS	Mono 8
## GGATTACAGCAGATCG.1_9	YUGRUS	B 2
## GGATTACAGCGTGTCC.1_9	YUGRUS	CD4T 7
## GGATTACCACTGTCCG.1_9	YUGRUS	B 1
## GGATTACCATAAGACA.1_9	YUGRUS	Mono 5
## GGATTACGTTGTTGA.1_9	YUGRUS	Mono 8
## GGATTACGTTGGAGGT.1_9	YUGRUS	B 2
## GGCAATTAGATATACG.1_9	YUGRUS	NK 1
## GGCAATTAGTTTCCTT.1_9	YUGRUS	CD4T 1
## GGCAATTCAAGACGTG.1_9	YUGRUS	B 2
## GGCAATTCAATGACCT.1_9	YUGRUS	B 3
## GGCAATTCACCGGAAA.1_9	YUGRUS	CD4T 6
## GGCAATTGTACCAGTT.1_9	YUGRUS	CD4T 2
## GGCAATTGTCTTCGTC.1_9	YUGRUS	CD8T 1
## GGCCGATAGCACACAG.1_9	YUGRUS	B 1
## GGCCGATCAGTCCTTC.1_9	YUGRUS	NK 1
## GGCCGATGTCATGCAT.1_9	YUGRUS	CD4T 7
## GGCCGATTCCGGCACA.1_9	YUGRUS	Mono 1
## GGCCGATTCCGAGGTA.1_9	YUGRUS	NK 1
## GGCGACTAGCGTCCA.1_9	YUGRUS	NK 1
## GGCGACTAGGCAATTA.1_9	YUGRUS	B 3
## GGCGACTAGGGATGGG.1_9	YUGRUS	CD8T 1
## GGCGACTGTCCATCCT.1_9	YUGRUS	Mono 5
## GGCGTGTAGCTGCAAG.1_9	YUGRUS	B 1
## GGCGTGTAGTCGCCGT.1_9	YUGRUS	TNKT 2
## GGCGTGTGTGTTTCGAT.1_9	YUGRUS	B 2
## GGCGTGTTCGAAGTAC.1_9	YUGRUS	Mono 7
## GGCTCGAAGAATAGGG.1_9	YUGRUS	CD8T 1
## GGCTCGAAGGAGTTTA.1_9	YUGRUS	CD4T 1
## GGCTCGAGTGCAGTAG.1_9	YUGRUS	B 2
## GGCTCGAGTTCGTTGA.1_9	YUGRUS	Mono 4
## GGCTCGATCGTACGGC.1_9	YUGRUS	Mono 3
## GGCTCGATCGTCGTTT.1_9	YUGRUS	Mono 7
## GGCTGGTAGTGAATTG.1_9	YUGRUS	Mono 4
## GGCTGGTCACAGAGGT.1_9	YUGRUS	CD4T 4
## GGCTGGTGTTCGTTGA.1_9	YUGRUS	CD8T 1
## GGGAAATGGTTCGCGAC.1_9	YUGRUS	CD8T 1
## GGGACCTAGAGACTTA.1_9	YUGRUS	Mono 8

## GGGACCTAGAGGTTGC.1_9	YUGRUS	NK 3
## GGGACCTCACGTCAGC.1_9	YUGRUS	CD4T 3
## GGGACCTGTCAGAAGC.1_9	YUGRUS	CD4T 5
## GGGACCTTCTGCGTAA.1_9	YUGRUS	B 2
## GGGAGATAGCCTTGAT.1_9	YUGRUS	Mono 9
## GGGAGATGTAGGGACT.1_9	YUGRUS	CD8T 1
## GGGAGATGTATTCTGTG.1_9	YUGRUS	TNKT 2
## GGGAGATGTCCGAGTC.1_9	YUGRUS	Mono 4
## GGGATGACACCTCGTT.1_9	YUGRUS	Mono 7
## GGGATGATCACCTCGT.1_9	YUGRUS	Mono 1
## GGGATGATCCAAACAC.1_9	YUGRUS	Mono 9
## GGGCACTAGATAGGAG.1_9	YUGRUS	CD4T 6
## GGGCACTCAATTCCTT.1_9	YUGRUS	NK 1
## GGGCACTCACAGCCCA.1_9	YUGRUS	CD4T 6
## GGGCACTCAGTCGATT.1_9	YUGRUS	CD4T 5
## GGGCACTCATGGTAGG.1_9	YUGRUS	Mono 4
## GGGCACTGTGGGTATG.1_9	YUGRUS	Mono 4
## GGGCACTGTGGTACAG.1_9	YUGRUS	NK 1
## GGGCATCAGCTAGCCC.1_9	YUGRUS	Mono 1
## GGGCATCCACAACGCC.1_9	YUGRUS	Mono 7
## GGGCATCCAGTGAGTG.1_9	YUGRUS	NK 1
## GGGCATCCATCTGGTA.1_9	YUGRUS	CD4T 2
## GGGCATCGTCATACTG.1_9	YUGRUS	TNKT 1
## GGGCATCGTGAGTGAC.1_9	YUGRUS	B 2
## GGGCATCTCCTAGTGA.1_9	YUGRUS	B 2
## GGGCATCTCGGCATCG.1_9	YUGRUS	Mono 1
## GGGTCTGGTAGCCTAT.1_9	YUGRUS	NK 4
## GGGTCTGGTAGCTGCC.1_9	YUGRUS	CD4T 5
## GGGTCTGGTCTCCATC.1_9	YUGRUS	NK 1
## GGGTTGCAGAAGGACA.1_9	YUGRUS	NK 2
## GGGTTGCAGAGATGAG.1_9	YUGRUS	Mono 5
## GGGTTGCAGATGCCAG.1_9	YUGRUS	NK 1
## GGGTTGCAGTGTTCG.1_9	YUGRUS	Mono 4
## GGGTTGCCAATCCGAT.1_9	YUGRUS	CD4T 1
## GGGTTGCCACGACTCG.1_9	YUGRUS	Mono 4
## GGGTTGCGTAAGTGTA.1_9	YUGRUS	Mono 3
## GGGTTGCGTACACCGC.1_9	YUGRUS	CD4T 6
## GGGTTGCGTACATGTC.1_9	YUGRUS	B 1
## GGGTTGCGTCATCCCT.1_9	YUGRUS	TNKT 1
## GGGTTGCGTCTAGCCG.1_9	YUGRUS	Mono 8
## GGGTTGCGTGCCTGCA.1_9	YUGRUS	Mono 8
## GGGTTGCGTTAAGAAC.1_9	YUGRUS	Mono 5
## GGGTTGCTCAAACAAG.1_9	YUGRUS	TNKT 2
## GGGTTGCTCCGTAGTA.1_9	YUGRUS	B 1
## GGGTTGCTCCGTCATC.1_9	YUGRUS	Mono 2
## GGTATTGTCCCTCAGT.1_9	YUGRUS	TNKT 1
## GGTATTGTGCTTACGA.1_9	YUGRUS	CD8T 2
## GGTATTGTCTCCTATA.1_9	YUGRUS	B 3
## GGTGAAGAGGATATAC.1_9	YUGRUS	CD8T 2
## GGTGAAGCAGGCTGAA.1_9	YUGRUS	CD8T 1
## GGTGCGTCATGAAGTA.1_9	YUGRUS	CD8T 1
## GGTGCGTGTATTCTGTG.1_9	YUGRUS	NK 1
## GGTGCGTTCAATAAGG.1_9	YUGRUS	CD4T 3
## GGTGCGTTCACTATTC.1_9	YUGRUS	NK 1

## GGTGCGTTCCTTCAAT.1_9	YUGRUS	B 1
## GGTGTTAGTATAGTAG.1_9	YUGRUS	B 2
## GGTGTTAGTGCTCTTC.1_9	YUGRUS	Mono 4
## GTAACGTAGAAGCCCA.1_9	YUGRUS	CD8T 2
## GTAACGTAGGCATGGT.1_9	YUGRUS	CD4T 4
## GTAACGTAGGGTGTG.1_9	YUGRUS	NK 2
## GTAACGTCAAGCGAGT.1_9	YUGRUS	CD8T 1
## GTAACGTCACATCCAA.1_9	YUGRUS	CD4T 2
## GTAACGTGTTGTGGAG.1_9	YUGRUS	B 1
## GTAACGTTCGGACAAG.1_9	YUGRUS	CD4T 2
## GTAACGTGAGCGCCTCA.1_9	YUGRUS	CD4T 6
## GTAACGTGCACGGTAAG.1_9	YUGRUS	NK 2
## GTAACGTGCAGTCTTCC.1_9	YUGRUS	CD8T 1
## GTAACGTGGTCTTAGCG.1_9	YUGRUS	Mono 4
## GTAACGTGGTCTTGCGG.1_9	YUGRUS	Mono 4
## GTACGTAAGAGACGAA.1_9	YUGRUS	NK 1
## GTACGTAAGTGGAGAA.1_9	YUGRUS	Mono 4
## GTACGTAAGTGGTAGC.1_9	YUGRUS	Mono 4
## GTACGTATCAATACCG.1_9	YUGRUS	TNKT 2
## GTACGTATCCCTCAGT.1_9	YUGRUS	CD4T 3
## GTACGTATCGTACGGC.1_9	YUGRUS	CD4T 4
## GTACTCCTCATGTAGC.1_9	YUGRUS	TNKT 1
## GTACTCCTCTTACCGC.1_9	YUGRUS	B 2
## GTACTTTTACAAGACG.1_9	YUGRUS	Mono 7
## GTACTTTTCTGAGGGA.1_9	YUGRUS	Mono 1
## GTAGGCCCAATCAGAA.1_9	YUGRUS	NK 1
## GTAGGCCCAGTATCTG.1_9	YUGRUS	Mono 5
## GTAGGCCCATCACGAT.1_9	YUGRUS	B 1
## GTAGGCCCATCCTTGC.1_9	YUGRUS	Mono 1
## GTAGTCAAGCCAGTAG.1_9	YUGRUS	CD4T 1
## GTAGTCACACTGTTAG.1_9	YUGRUS	TNKT 2
## GTAGTCATCTACTCAT.1_9	YUGRUS	Mono 5
## GTATCTTAGTCGTTTG.1_9	YUGRUS	DC 1
## GTATCTTGTACGCACC.1_9	YUGRUS	B 1
## GTATTCTAGAGGGATA.1_9	YUGRUS	B 2
## GTATTCTGTTCGTGAT.1_9	YUGRUS	B 3
## GTATTCTTCTCTAAGG.1_9	YUGRUS	Mono 4
## GTCAAGTCAAGAAGAG.1_9	YUGRUS	NK 2
## GTCAAGTCACGGTTTA.1_9	YUGRUS	Mono 3
## GTCAAGTCATATACGC.1_9	YUGRUS	Mono 5
## GTCAAGTGTCTCCATC.1_9	YUGRUS	Mono 4
## GTCAAGTTCGCAAAC.1_9	YUGRUS	CD8T 2
## GTCAAGTTCTACTCAT.1_9	YUGRUS	NK 2
## GTCACAACACGCATCG.1_9	YUGRUS	CD8T 1
## GTCACAACACGTTGGC.1_9	YUGRUS	Mono 2
## GTCACAAGTAAGGGAA.1_9	YUGRUS	TNKT 2
## GTCACAAGTCGTTGTA.1_9	YUGRUS	Mono 4
## GTCACAAGTTAGATGA.1_9	YUGRUS	NK 1
## GTCACAAGTTCAGGCC.1_9	YUGRUS	CD4T 2
## GTCACAATCCAGAGGA.1_9	YUGRUS	NK 3
## GTCACGGCATCGGGTC.1_9	YUGRUS	Mono 5
## GTCACGGTCACAATGC.1_9	YUGRUS	B 3
## GTCATTTAGGATGTAT.1_9	YUGRUS	CD4T 4
## GTCATTTTCATGTAGC.1_9	YUGRUS	CD8T 2

## GTCCTCAAGAGTACAT.1_9	YUGRUS	CD4T 4
## GTCCTCAAGCAATCTC.1_9	YUGRUS	CD4T 5
## GTCCTCAAGTGCGATG.1_9	YUGRUS	Mono 8
## GTCGGGTAGCAGACTG.1_9	YUGRUS	CD8T 2
## GTCGTAACACAGGCCT.1_9	YUGRUS	Mono 9
## GTCGTAACATGACGGA.1_9	YUGRUS	NK 1
## GTCGTAAGTCGATTGT.1_9	YUGRUS	CD4T 2
## GTCGTAAGTGAGTGAC.1_9	YUGRUS	NK 3
## GTCGTAAGTGCAACTT.1_9	YUGRUS	TNKT 2
## GTCTCGTGTATAAACG.1_9	YUGRUS	CD8T 1
## GTCTCGTGTATCGCAT.1_9	YUGRUS	B 2
## GTCTCGTGTGAGTATA.1_9	YUGRUS	Mono 9
## GTCTCGTTCCGCTGTT.1_9	YUGRUS	CD8T 1
## GTCTCGTTCTTGACGA.1_9	YUGRUS	NK 3
## GTCTTCGAGCCACCTG.1_9	YUGRUS	NK 1
## GTCTTCGCACAAGACG.1_9	YUGRUS	CD8T 1
## GTCTTCGCACCGAATT.1_9	YUGRUS	Mono 5
## GTCTTCGCATACGCTA.1_9	YUGRUS	CD4T 6
## GTCTTCGGTATTCTCT.1_9	YUGRUS	CD4T 5
## GTGAAGGAGGATCGCA.1_9	YUGRUS	NK 3
## GTGAAGGAGTGCGTGA.1_9	YUGRUS	NK 3
## GTGAAGGGTCTCACCT.1_9	YUGRUS	DC 1
## GTGAAGGTCTGGGCCA.1_9	YUGRUS	CD4T 1
## GTGCAGCCAAGTTCTG.1_9	YUGRUS	Mono 4
## GTGCAGCCAGCTGTTA.1_9	YUGRUS	B 2
## GTGCAGCGTTTAGCTG.1_9	YUGRUS	Mono 8
## GTGCAGCTCTAACGGT.1_9	YUGRUS	CD4T 3
## GTGCATAGTAGTACCT.1_9	YUGRUS	B 2
## GTGCATAGTGGTACAG.1_9	YUGRUS	B 1
## GTGCATATCAGGCAAG.1_9	YUGRUS	CD8T 1
## GTGCGGTAGAAGATTC.1_9	YUGRUS	Mono 8
## GTGCGGTTACAGTAC.1_9	YUGRUS	CD4T 5
## GTGCGGTTACCCGAG.1_9	YUGRUS	NK 2
## GTGCGGTTATGCAAC.1_9	YUGRUS	Mono 7
## GTGCTTCAGGGCACTA.1_9	YUGRUS	B 2
## GTGCTTCAGTTCCCT.1_9	YUGRUS	CD8T 1
## GTGGGTCTCCTCAATT.1_9	YUGRUS	CD8T 2
## GTGGGTCTCTCGTTTA.1_9	YUGRUS	Mono 7
## GTGGGTCTCTTACCTA.1_9	YUGRUS	B 3
## GTGTGCGCAACAACCT.1_9	YUGRUS	Mono 5
## GTGTGCGCAGTTCCCT.1_9	YUGRUS	NK 1
## GTGTTAGCAGCTGCAC.1_9	YUGRUS	CD4T 5
## GTGTTAGGTTTAGGAA.1_9	YUGRUS	Mono 9
## GTGTTAGTCCTAGAAC.1_9	YUGRUS	CD4T 6
## GTGTTAGTCTATCCTA.1_9	YUGRUS	Mono 7
## GTTAAGCAGACGACGT.1_9	YUGRUS	TNKT 2
## GTTAAGCCATAGAAAC.1_9	YUGRUS	NK 3
## GTTAAGCGTCTCGTTC.1_9	YUGRUS	TNKT 2
## GTTAAGCTCCCATTTA.1_9	YUGRUS	CD4T 1
## GTTAAGCTCTACCTGC.1_9	YUGRUS	NK 1
## GTTACAGAGACCGGAT.1_9	YUGRUS	CD8T 3
## GTTACAGAGTGAAGAG.1_9	YUGRUS	CD4T 2
## GTTACAGCACGTCAGC.1_9	YUGRUS	NK 4
## GTTACAGGTACATCCA.1_9	YUGRUS	TNKT 1

## GTTACAGTCTGAAAGA.1_9	YUGRUS	NK 1
## GTTACAGTCTGAGGGA.1_9	YUGRUS	Mono 4
## GTTCATTAGAACAAC.1_9	YUGRUS	B 2
## GTTCATTAGTACTTGC.1_9	YUGRUS	Mono 2
## GTTCATTGTAGCGATG.1_9	YUGRUS	B 3
## GTTCATTGTCACAAGG.1_9	YUGRUS	NK 1
## GTTCATTTCTGTGACAT.1_9	YUGRUS	B 2
## GTTCGGGAGGCTCTTA.1_9	YUGRUS	NK 2
## GTTCGGGCAATACGCT.1_9	YUGRUS	Mono 8
## GTTCGGGCAGGGTTAG.1_9	YUGRUS	B 2
## GTTCGGGCATCTATGG.1_9	YUGRUS	CD8T 1
## GTTCGGGGTGAAAGA.1_9	YUGRUS	CD8T 1
## GTTCGGGTCACGCATA.1_9	YUGRUS	Mono 4
## GTTCGGGTCCTCAATT.1_9	YUGRUS	Mono 8
## GTTCGGGTCTAACTGG.1_9	YUGRUS	NK 4
## GTTCTCGCAAACGTGG.1_9	YUGRUS	B 1
## GTTCTCGCACTGAAGG.1_9	YUGRUS	NK 3
## GTTCTCGGTACCAGTT.1_9	YUGRUS	Mono 4
## GTTCTCGTCGATAGAA.1_9	YUGRUS	CD4T 6
## GTTTCTAGTAATAGCA.1_9	YUGRUS	NK 4
## GTTTCTATCTGTTGAG.1_9	YUGRUS	CD4T 4
## TAAACCGAGGGAAACA.1_9	YUGRUS	CD4T 6
## TAAACCGCAAGAAGAG.1_9	YUGRUS	Mono 5
## TAAACCGCAAGCCTAT.1_9	YUGRUS	B 3
## TAAACCGCATGACGGA.1_9	YUGRUS	Mono 7
## TAAACCGGTACGCACC.1_9	YUGRUS	Mono 8
## TAAACCGGTCTTGTCC.1_9	YUGRUS	CD4T 1
## TAAACCGTCGGCTACG.1_9	YUGRUS	B 2
## TAAGAGAGTCCAGTTA.1_9	YUGRUS	Mono 4
## TAAGCGTCATGGTTGT.1_9	YUGRUS	Mono 1
## TACACGAAGCCCAACC.1_9	YUGRUS	TNKT 1
## TACACGAGTGGTACAG.1_9	YUGRUS	Mono 9
## TACACGATCCTAGGGC.1_9	YUGRUS	CD8T 1
## TACACGATCTTGAGGT.1_9	YUGRUS	Mono 5
## TACAGTGCACCCAGTG.1_9	YUGRUS	NK 1
## TACAGTGGTAAACCTC.1_9	YUGRUS	Mono 8
## TACAGTGGTTTGTGTG.1_9	YUGRUS	B 2
## TACAGTGTACATGCA.1_9	YUGRUS	CD8T 1
## TACCTATCAAGCGAGT.1_9	YUGRUS	CD8T 2
## TACCTATGTAGCGAA.1_9	YUGRUS	B 2
## TACCTATGTGCATCTA.1_9	YUGRUS	NK 1
## TACCTATTCTGAAAGA.1_9	YUGRUS	Mono 7
## TACCTTAAGACCACGA.1_9	YUGRUS	B 2
## TACCTTAGTGCTAGCC.1_9	YUGRUS	B 3
## TACCTTATCAGTCAGT.1_9	YUGRUS	Mono 4
## TACCTTATCCGCGCAA.1_9	YUGRUS	CD4T 5
## TACCTTATCTGTCCGT.1_9	YUGRUS	CD4T 5
## TACGGATCAGCCTTGG.1_9	YUGRUS	Mono 4
## TACGGATTACCATAG.1_9	YUGRUS	NK 2
## TACGGGCAGTGACTCT.1_9	YUGRUS	Mono 7
## TACGGTACACATCCAA.1_9	YUGRUS	CD4T 5
## TACGGTAGTCATGCAT.1_9	YUGRUS	Mono 4
## TACTCATCAACGATCT.1_9	YUGRUS	TNKT 1
## TACTCATGTGAATCT.1_9	YUGRUS	Mono 2

## TACTCATTCAAACAAG.1_9	YUGRUS	Mono	4
## TACTCGCCAAGAGTCG.1_9	YUGRUS	CD8T	1
## TACTTACTCAACGGGA.1_9	YUGRUS	NK	1
## TACTTACTCATGCTCC.1_9	YUGRUS	CD8T	2
## TACTTACTCCTGTAGA.1_9	YUGRUS	NK	1
## TACTTGTAGACGCTTT.1_9	YUGRUS	CD4T	6
## TACTTGTACCCATTC.1_9	YUGRUS	CD8T	1
## TACTTGTCTGATTCT.1_9	YUGRUS	Mono	9
## TAGACCAAGGCGTACA.1_9	YUGRUS	Mono	4
## TAGACCATCTTACCGC.1_9	YUGRUS	CD8T	1
## TAGAGCTAGACCACGA.1_9	YUGRUS	NK	3
## TAGAGCTAGGCTACGA.1_9	YUGRUS	NK	4
## TAGAGCTCAGCAGTTT.1_9	YUGRUS	CD8T	2
## TAGAGCTGTAAGGGAA.1_9	YUGRUS	Mono	8
## TAGCCGGAGCGTGTCC.1_9	YUGRUS	TNKT	1
## TAGCCGGAGCTGCAAG.1_9	YUGRUS	NK	2
## TAGCCGGGTATATCCG.1_9	YUGRUS	Mono	5
## TAGCCGGTCCGTACAA.1_9	YUGRUS	Mono	9
## TAGGCATCACCATGTA.1_9	YUGRUS	Mono	5
## TAGGCATCACCGAAA.1_9	YUGRUS	CD4T	6
## TAGGCATGTTGCTCCT.1_9	YUGRUS	CD4T	4
## TAGGCATTACATAGC.1_9	YUGRUS	CD4T	4
## TAGGCATTCTTGTA.1_9	YUGRUS	NK	2
## TAGTGGTAGAAGGGTA.1_9	YUGRUS	CD4T	4
## TAGTGGTCAGGGTACA.1_9	YUGRUS	CD4T	2
## TAGTGGTCATTCGACA.1_9	YUGRUS	CD4T	1
## TAGTGGTGTCGTCTTC.1_9	YUGRUS	B	2
## TAGTGGTTCGTTTAGG.1_9	YUGRUS	NK	1
## TAGTTGGAGACAGACC.1_9	YUGRUS	CD4T	4
## TAGTTGGCAAAGGCGT.1_9	YUGRUS	TNKT	2
## TAGTTGGCACCTCGTT.1_9	YUGRUS	NK	1
## TAGTTGGTCGCAAACT.1_9	YUGRUS	NK	1
## TATCAGGTCTCCCTGA.1_9	YUGRUS	CD4T	2
## TATCTCAGTGGGTCAA.1_9	YUGRUS	NK	2
## TATCTCAGTTGAGGTG.1_9	YUGRUS	NK	1
## TATCTCATCAATCTCT.1_9	YUGRUS	Mono	2
## TATCTCATCCGCGTTT.1_9	YUGRUS	Mono	5
## TATCTCATCGGATGGA.1_9	YUGRUS	CD8T	2
## TATGCCCGTCCGTGAC.1_9	YUGRUS	NK	2
## TATGCCCGTGAGTATA.1_9	YUGRUS	Mono	4
## TATTACCCAAGTTCTG.1_9	YUGRUS	B	2
## TATTACCGTAGAAGGA.1_9	YUGRUS	CD8T	1
## TATTACCGTCCCGACA.1_9	YUGRUS	CD8T	1
## TATTACCGTGATAAGT.1_9	YUGRUS	Mono	4
## TATTACCTCCGTAGGC.1_9	YUGRUS	Mono	1
## TATTACCTCGACGGAA.1_9	YUGRUS	CD4T	4
## TCAACGAAGACTACAA.1_9	YUGRUS	CD4T	7
## TCAACGAAGCGGATCA.1_9	YUGRUS	Mono	7
## TCAACGAGTCCAAGTT.1_9	YUGRUS	Mono	8
## TCAACGATCCAACCAA.1_9	YUGRUS	Mono	5
## TCAATCTAGCCGATTT.1_9	YUGRUS	Mono	4
## TCAATCTAGGCCGTT.1_9	YUGRUS	TNKT	2
## TCAATCTAGTGGGCTA.1_9	YUGRUS	CD4T	3
## TCAATCTCACGTGAGA.1_9	YUGRUS	CD4T	1

## TCAATCTGTTACGGC.1_9	YUGRUS	Mono 5
## TCAATCTTCCTTTCGG.1_9	YUGRUS	Mono 8
## TCAATCTTCTCCGGTT.1_9	YUGRUS	CD4T 2
## TCACAAGAGACTTGAA.1_9	YUGRUS	CD8T 1
## TCACAAGTCCAGAGGA.1_9	YUGRUS	Mono 1
## TCACGAAAGGCAATTA.1_9	YUGRUS	CD4T 6
## TCACGAACAATAACGA.1_9	YUGRUS	Mono 4
## TCACGAACAATGTAAG.1_9	YUGRUS	CD4T 7
## TCACGAACAGACAGGT.1_9	YUGRUS	CD8T 1
## TCACGAAGTTCCTTG.1_9	YUGRUS	CD8T 1
## TCACGAATCACAACGT.1_9	YUGRUS	NK 2
## TCACGAATCACATAGC.1_9	YUGRUS	CD4T 1
## TCACGAATCCTCGCAT.1_9	YUGRUS	CD8T 2
## TCAGATGTCCTGCTTG.1_9	YUGRUS	NK 1
## TCAGCAAGTCATATGC.1_9	YUGRUS	Mono 7
## TCAGCAAGTCCCTTGT.1_9	YUGRUS	CD8T 1
## TCAGCAAGTCTAAACC.1_9	YUGRUS	B 2
## TCAGCAATCCTGCAGG.1_9	YUGRUS	B 2
## TCAGCTCCATCATCCC.1_9	YUGRUS	Mono 8
## TCAGCTCCATGTAAGA.1_9	YUGRUS	Mono 4
## TCAGCTCTCCTGCTTG.1_9	YUGRUS	Mono 2
## TCAGGATTCCACGACG.1_9	YUGRUS	Mono 8
## TCAGGATTGCGAGGCT.1_9	YUGRUS	Mono 9
## TCAGGTAGTCTGCAAT.1_9	YUGRUS	CD4T 3
## TCAGGTATCAGTTAGC.1_9	YUGRUS	CD4T 1
## TCAGGTATCCAGTAGT.1_9	YUGRUS	CD8T 1
## TCAGGTATCTTCTGGC.1_9	YUGRUS	B 1
## TCATTACAGACCGGAT.1_9	YUGRUS	NK 3
## TCATTACGTGCGATAG.1_9	YUGRUS	Mono 8
## TCATTACGTTTGCATG.1_9	YUGRUS	NK 3
## TCATTTGAGGAGCGAG.1_9	YUGRUS	CD8T 1
## TCATTTGCACCGAATT.1_9	YUGRUS	Mono 7
## TCATTTGCAGTATGCT.1_9	YUGRUS	CD8T 3
## TCATTTGCATTAGGCT.1_9	YUGRUS	CD4T 6
## TCCACACTCCGCAAGC.1_9	YUGRUS	CD4T 2
## TCCACACTCTGTCCGT.1_9	YUGRUS	CD8T 1
## TCCCGATAGAAGGTTT.1_9	YUGRUS	Mono 9
## TCCCGATAGTCCCACG.1_9	YUGRUS	NK 3
## TCCCGATAGTGAATTG.1_9	YUGRUS	TNKT 1
## TCCCGATCATTACCTT.1_9	YUGRUS	NK 2
## TCCCGATGTGTGACCC.1_9	YUGRUS	Mono 9
## TCCCGATGTTCAGTAC.1_9	YUGRUS	Mono 4
## TCCCGATTACGCGGT.1_9	YUGRUS	CD4T 1
## TCGAGGCAGACCTTTG.1_9	YUGRUS	B 2
## TCGAGGCAGAGCCTAG.1_9	YUGRUS	Mono 5
## TCGAGGCTCCAGAAGG.1_9	YUGRUS	CD4T 2
## TCGCGAGTCGGCCGAT.1_9	YUGRUS	NK 2
## TCGCGTTCACTGTCTGG.1_9	YUGRUS	CD4T 6
## TCGCGTTTCATAACCG.1_9	YUGRUS	Mono 7
## TCGCGTTTCGCGATCG.1_9	YUGRUS	B 1
## TCGGGACAGCCGGTAA.1_9	YUGRUS	Mono 2
## TCGGGACCAAGCGAGT.1_9	YUGRUS	Mono 8
## TCGGGACCAATTGCTG.1_9	YUGRUS	Mono 7
## TCGGTAAGTCTGCGGT.1_9	YUGRUS	CD4T 4

## TCGGTAAGTTCGCGAC.1_9	YUGRUS	Mono 5
## TCGTACCCACAGACTT.1_9	YUGRUS	Mono 7
## TCGTACCCAGTCGATT.1_9	YUGRUS	Mono 1
## TCGTAGAAGATAGCAT.1_9	YUGRUS	B 2
## TCGTAGACAATCCGAT.1_9	YUGRUS	B 2
## TCGTAGACAGTAAGAT.1_9	YUGRUS	CD4T 3
## TCGTAGAGTTCCGGCA.1_9	YUGRUS	Mono 9
## TCTATTGAGCAGACTG.1_9	YUGRUS	B 2
## TCTATTGCAATGGACG.1_9	YUGRUS	Mono 8
## TCTATTGCACATGGGA.1_9	YUGRUS	CD4T 1
## TCTATTGCATGTCGAT.1_9	YUGRUS	DC 1
## TCTATTGTCAGAGACG.1_9	YUGRUS	Mono 4
## TCTATTGTCCAAGCCG.1_9	YUGRUS	CD4T 2
## TCTCATAAGTAGCCGA.1_9	YUGRUS	Mono 1
## TCTCATACAATGGAGC.1_9	YUGRUS	NK 1
## TCTCATACATGACGGA.1_9	YUGRUS	Mono 9
## TCTCATAGTGCACCAC.1_9	YUGRUS	NK 1
## TCTCTAAAGAGACTAT.1_9	YUGRUS	DC 1
## TCTCTAAAGGGATGGG.1_9	YUGRUS	TNKT 1
## TCTCTAACATATGGTC.1_9	YUGRUS	Mono 1
## TCTCTAAGTCATGCAT.1_9	YUGRUS	CD4T 4
## TCTCTAAGTCCGAAGA.1_9	YUGRUS	CD4T 1
## TCTGAGACACAACGCC.1_9	YUGRUS	Mono 9
## TCTGAGAGTATTAGCC.1_9	YUGRUS	Mono 7
## TCTGAGATCAGATAAG.1_9	YUGRUS	CD4T 1
## TCTGAGATCTTGTA CT.1_9	YUGRUS	CD4T 1
## TCTGGAAAGCGTTCCG.1_9	YUGRUS	Mono 5
## TCTGGAAAGGGTCGAT.1_9	YUGRUS	NK 1
## TCTGGAAAGGTACTCT.1_9	YUGRUS	Mono 9
## TCTTCGGAGCCACGCT.1_9	YUGRUS	CD4T 1
## TCTTCGGAGCTGTCTA.1_9	YUGRUS	CD8T 1
## TCTTCGGCATTAGGCT.1_9	YUGRUS	CD4T 7
## TCTTCGGGTAGAGCTG.1_9	YUGRUS	CD4T 5
## TCTTTCCCAAACAACA.1_9	YUGRUS	TNKT 1
## TCTTTCCCTCGGAGGTA.1_9	YUGRUS	NK 4
## TGAAAGAAGACTAAGT.1_9	YUGRUS	Mono 9
## TGAAAGATCGAACTGT.1_9	YUGRUS	CD8T 1
## TGACAACCAAGGTTTC.1_9	YUGRUS	CD8T 1
## TGACAACCAGATCCAT.1_9	YUGRUS	TNKT 2
## TGACAACGTAGCTAAA.1_9	YUGRUS	DC 1
## TGACAACTCAGCATGT.1_9	YUGRUS	Mono 7
## TGACAACTCCGAGCCA.1_9	YUGRUS	Mono 8
## TGACGGCAGTGAAGAG.1_9	YUGRUS	Mono 8
## TGACGGCTCCACGACG.1_9	YUGRUS	Mono 1
## TGA CTAGAGGACCACA.1_9	YUGRUS	NK 3
## TGA CTAGAGGCAATTA.1_9	YUGRUS	CD8T 2
## TGA CTAGAGGCCCGTT.1_9	YUGRUS	NK 1
## TGA CTAGCAATACGCT.1_9	YUGRUS	CD8T 1
## TGA CTTTAGCCAGTTT.1_9	YUGRUS	CD4T 5
## TGAGAGGCAAGGTTTC.1_9	YUGRUS	B 2
## TGAGAGGGTACTTGAC.1_9	YUGRUS	Mono 7
## TGAGAGGGTATGCTTG.1_9	YUGRUS	CD8T 1
## TGAGAGGGTCAGATAA.1_9	YUGRUS	CD4T 6
## TGAGAGGGTCTAGTCA.1_9	YUGRUS	NK 2

## TGAGAGGTCCGCTGTT.1_9	YUGRUS	Mono 7
## TGAGCATCATTGGCGC.1_9	YUGRUS	CD8T 2
## TGAGCATCATTGTGCA.1_9	YUGRUS	Mono 4
## TGAGCATGTAGCGTCC.1_9	YUGRUS	CD4T 6
## TGAGCCGCAATGTTGC.1_9	YUGRUS	NK 1
## TGAGCCGGTAGCGATG.1_9	YUGRUS	TNKT 1
## TGAGCCGGTGGGTATG.1_9	YUGRUS	NK 2
## TGAGCCGTCCCTCTTT.1_9	YUGRUS	Mono 5
## TGAGGGAAGAATTCCC.1_9	YUGRUS	Mono 7
## TGAGGGAAGCTGATAA.1_9	YUGRUS	Mono 5
## TGAGGGACACGTAAG.1_9	YUGRUS	CD8T 2
## TGAGGGACAGCTGTTA.1_9	YUGRUS	NK 2
## TGATTTTCAGTCGATAA.1_9	YUGRUS	NK 1
## TGATTTCCACGTAAG.1_9	YUGRUS	NK 3
## TGATTTCCAGTCAGCC.1_9	YUGRUS	TNKT 1
## TGATTTTCGTAAGGGCT.1_9	YUGRUS	TNKT 1
## TGATTTCTCTCATCC.1_9	YUGRUS	NK 3
## TGATTTCTCAAAGACA.1_9	YUGRUS	CD8T 1
## TGATTTCTCCGCAGTG.1_9	YUGRUS	CD4T 4
## TGCACCTAGCTAGTTC.1_9	YUGRUS	NK 1
## TGCACCTAGGATGTAT.1_9	YUGRUS	CD4T 4
## TGCACCTTCATCGATG.1_9	YUGRUS	Mono 7
## TGCACCTTCGGCCGAT.1_9	YUGRUS	B 1
## TGCCAAAGTACAGTGG.1_9	YUGRUS	CD4T 2
## TGCCAAAGTAGGGACT.1_9	YUGRUS	CD4T 4
## TGCCAAATCCTAAGTG.1_9	YUGRUS	Mono 1
## TGCCAAATCTCTGAGA.1_9	YUGRUS	Mono 8
## TGCCCATAGCGTCTAT.1_9	YUGRUS	Mono 5
## TGCCCATCAAAGTCAA.1_9	YUGRUS	Mono 8
## TGCCCATCACGTAAGG.1_9	YUGRUS	Mono 2
## TGCCCATCACGTCAGC.1_9	YUGRUS	CD4T 3
## TGCCCATCATGCCACG.1_9	YUGRUS	NK 2
## TGCCCATCATGGATGG.1_9	YUGRUS	NK 2
## TGCCCTAAGCATCATC.1_9	YUGRUS	Mono 5
## TGCCCTAAGCCATCGC.1_9	YUGRUS	CD8T 1
## TGCCCTAAGTAGGCCA.1_9	YUGRUS	Mono 4
## TGCCCTAAGTCTCAAC.1_9	YUGRUS	CD8T 1
## TGCCCTAAGTGGTAAT.1_9	YUGRUS	CD4T 5
## TGCCCTACACATGGGA.1_9	YUGRUS	Mono 8
## TGCCCTAGTAGCTGCC.1_9	YUGRUS	B 2
## TGCCCTAGTCATACTG.1_9	YUGRUS	CD4T 5
## TGCCCTAGTGATGATA.1_9	YUGRUS	Mono 2
## TGCCCTAGTGCAGGTA.1_9	YUGRUS	Mono 7
## TGCGCAGAGGAATTAC.1_9	YUGRUS	Mono 4
## TGCGCAGCATGCCCGA.1_9	YUGRUS	B 1
## TGCGCAGGTGACCAAG.1_9	YUGRUS	CD8T 1
## TGCGCAGGTCCACAA.1_9	YUGRUS	Mono 9
## TGCGCAGTCACTATTC.1_9	YUGRUS	NK 1
## TGCGGGTGTACAGTGG.1_9	YUGRUS	CD4T 3
## TGCGTGGGTACAGTT.1_9	YUGRUS	B 2
## TGCTACCAGCTTTGGT.1_9	YUGRUS	CD8T 1
## TGCTACCAGGTGCTAG.1_9	YUGRUS	DC 1
## TGCTACCGTCTTCAAG.1_9	YUGRUS	TNKT 1
## TGCTACCGTGAGGGAG.1_9	YUGRUS	NK 2

## TGCTACCTCGGCTACG.1_9	YUGRUS	NK 3
## TGCTGCTAGGTGCAAC.1_9	YUGRUS	CD8T 1
## TGCTGCTGTGCAGACA.1_9	YUGRUS	CD8T 1
## TGCTGCTGTTGCTCCT.1_9	YUGRUS	Mono 7
## TGGACGCAGTGCCTGA.1_9	YUGRUS	TNKT 2
## TGGACGCCACCTCGTT.1_9	YUGRUS	DC 1
## TGGCCAGCACAAAGCCC.1_9	YUGRUS	TNKT 1
## TGGCCAGGTCGAGATG.1_9	YUGRUS	CD8T 2
## TGGCCAGGTGATAAAC.1_9	YUGRUS	CD4T 3
## TGGCGCAGTGTCTTT.1_9	YUGRUS	TNKT 1
## TGGCGCATCGTTTAGG.1_9	YUGRUS	CD4T 1
## TGGCTGGAGCACGCCT.1_9	YUGRUS	CD4T 5
## TGGCTGGAGTACGATA.1_9	YUGRUS	CD8T 1
## TGGCTGGAGTGTGAAT.1_9	YUGRUS	CD8T 1
## TGGCTGGCAGAGTGTG.1_9	YUGRUS	Mono 8
## TGGCTGGGTGTAAGTA.1_9	YUGRUS	Mono 8
## TGGGAAGCACAGGCCT.1_9	YUGRUS	Mono 4
## TGGGAAGGTAGAGCTG.1_9	YUGRUS	NK 3
## TGGGCGTAGTCTCAAC.1_9	YUGRUS	B 2
## TGGGCGTCATCCAACA.1_9	YUGRUS	CD4T 4
## TGGGCGTGTGCGAAAC.1_9	YUGRUS	CD8T 1
## TGGTTAGAGCCACTAT.1_9	YUGRUS	B 2
## TGGTTAGAGGACATTA.1_9	YUGRUS	NK 1
## TGGTTAGCAAGAAAGG.1_9	YUGRUS	Mono 7
## TGGTTAGCATGGGAAC.1_9	YUGRUS	CD4T 6
## TGGTTAGCATTGCGGC.1_9	YUGRUS	CD4T 5
## TGGTTAGGTACAGTTC.1_9	YUGRUS	CD8T 1
## TGGTTCCCAGATGGCA.1_9	YUGRUS	CD4T 1
## TGGTTCCCAGCTGTAT.1_9	YUGRUS	NK 1
## TGGTTCCGTCGCTTCT.1_9	YUGRUS	Mono 7
## TGGTTCCCTCCGAATGT.1_9	YUGRUS	B 1
## TGTATTCCAGAGTTGC.1_9	YUGRUS	NK 1
## TGTATTCCAGCGTGTCC.1_9	YUGRUS	Mono 9
## TGTATTCCAGCGTAAG.1_9	YUGRUS	Mono 8
## TGTATTCCGTGCAGTAG.1_9	YUGRUS	B 2
## TGTATTCCGTGGAAGA.1_9	YUGRUS	B 1
## TGTATTCTCTGCCCTA.1_9	YUGRUS	Mono 8
## TGTCCCAAGAATGTGT.1_9	YUGRUS	NK 1
## TGTCCCACAATCCGAT.1_9	YUGRUS	CD4T 4
## TGTCCCACACGGACAA.1_9	YUGRUS	Mono 4
## TGTCCCACAGGACCCT.1_9	YUGRUS	B 2
## TGTCCCACATGCCCGA.1_9	YUGRUS	CD8T 1
## TGTCCCATCAGAGACG.1_9	YUGRUS	CD8T 2
## TGTCCCATCCGCGTTT.1_9	YUGRUS	Mono 3
## TGTGGTAAGTGCCTGA.1_9	YUGRUS	CD8T 1
## TGTGGTACAAACCTAC.1_9	YUGRUS	CD4T 3
## TGTGGTAGTTACGCGC.1_9	YUGRUS	Mono 5
## TGTGGTAGTTGGAGGT.1_9	YUGRUS	Mono 5
## TGTGTTTCAATTCCTT.1_9	YUGRUS	Mono 9
## TGTGTTTTCATGACT.1_9	YUGRUS	B 2
## TGTGTTTGTCCCTTGT.1_9	YUGRUS	CD4T 6
## TGTTCGCGAGCTGTGC.1_9	YUGRUS	CD8T 1
## TGTTCGGTGCATCTA.1_9	YUGRUS	B 2
## TGTTCGCTCCCTTGTG.1_9	YUGRUS	NK 3

## TGTTCGTCGACGGAA.1_9	YUGRUS	Mono 7
## TTAActCTCCGTCATC.1_9	YUGRUS	CD4T 1
## TTAGGACAGTAATCCC.1_9	YUGRUS	Mono 4
## TTAGGACCACGGCCAT.1_9	YUGRUS	DC 1
## TTAGGACCATCACGTA.1_9	YUGRUS	B 2
## TTAGGACCATGCATGT.1_9	YUGRUS	CD4T 3
## TTAGGACTCAGCTCGG.1_9	YUGRUS	B 2
## TTAGGCATCATACGGT.1_9	YUGRUS	Mono 4
## TTAGTTCGTACATGTC.1_9	YUGRUS	CD4T 1
## TTAGTTCGTTAGTGGG.1_9	YUGRUS	CD8T 1
## TTAGTTCCTGCTTGC.1_9	YUGRUS	CD4T 4
## TTATGCTAGCATCATC.1_9	YUGRUS	CD8T 1
## TTATGCTCAGATGGCA.1_9	YUGRUS	CD4T 3
## TTATGCTTCAAGGTAA.1_9	YUGRUS	CD4T 6
## TTATGCTTCACGGTTA.1_9	YUGRUS	CD8T 1
## TTATGCTTCACTTATC.1_9	YUGRUS	Mono 8
## TTCCAGTCCCGACTT.1_9	YUGRUS	CD4T 4
## TTCGAAGAGAAGGGTA.1_9	YUGRUS	CD4T 3
## TTCGAAGAGGTGTGGT.1_9	YUGRUS	Mono 8
## TTCGAAGAGTACGCGA.1_9	YUGRUS	Mono 7
## TTCGAAGCAAAGCAAT.1_9	YUGRUS	CD4T 5
## TTCGAAGCAATGACCT.1_9	YUGRUS	NK 1
## TTCGGTCAGTCCGGTC.1_9	YUGRUS	Mono 9
## TTCGGTCAGTGCCATT.1_9	YUGRUS	CD8T 1
## TTCGGTCAGTTAGGTA.1_9	YUGRUS	NK 2
## TTCGGTCCACTTCGAA.1_9	YUGRUS	CD8T 1
## TTCGGTCGTGGACGAT.1_9	YUGRUS	TNKT 1
## TTCTACAAGTTTGCGT.1_9	YUGRUS	Mono 5
## TTCTACACAAGTACCT.1_9	YUGRUS	NK 1
## TTCTACAGTGCTAGCC.1_9	YUGRUS	NK 2
## TTCTACAGTGGTGTAG.1_9	YUGRUS	DC 1
## TTCTACATCACGAAGG.1_9	YUGRUS	Mono 4
## TTCTCAAAGAGTCGGT.1_9	YUGRUS	CD8T 1
## TTCTCAAAGTTTAGGA.1_9	YUGRUS	Mono 5
## TTCTCAACAAAGGTGC.1_9	YUGRUS	B 2
## TTCTCAAGTAAAGGAG.1_9	YUGRUS	Mono 1
## TTCTCAAGTCAGATAA.1_9	YUGRUS	Mono 4
## TTCTCAAGTTAAGACA.1_9	YUGRUS	CD8T 1
## TTCTCAATCCGAGCCA.1_9	YUGRUS	NK 2
## TTCTCAATCGTTGACA.1_9	YUGRUS	Mono 7
## TTCTCCTAGCCTTGAT.1_9	YUGRUS	Mono 8
## TTCTCCTCAAGCTGTT.1_9	YUGRUS	NK 1
## TTCTCCTTCCGTACAA.1_9	YUGRUS	CD8T 1
## TTCTTAGAGGTGTTAA.1_9	YUGRUS	CD8T 1
## TTCTTAGTCACCTCGT.1_9	YUGRUS	NK 1
## TTGAACGGTACCGCTG.1_9	YUGRUS	Mono 7
## TTGAACGTCACGATGT.1_9	YUGRUS	CD4T 2
## TTGACTTAGGTGATAT.1_9	YUGRUS	CD4T 6
## TTGACTTGTTGGTGGA.1_9	YUGRUS	NK 1
## TTGACTTTCCTAAGTG.1_9	YUGRUS	Mono 1
## TTGCCGTAGTTAAGTG.1_9	YUGRUS	Mono 5
## TTGCCGTCAATCAGAA.1_9	YUGRUS	Mono 1
## TTGCCGTCAATGACCT.1_9	YUGRUS	B 3
## TTGCCGTCAACACCCT.1_9	YUGRUS	CD8T 2

## TTGCCGTTTCGGGAGTA.1_9	YUGRUS	TNKT 1
## TTGCGTCAGACCTTTG.1_9	YUGRUS	CD8T 1
## TTGCGTCAGATGGGTC.1_9	YUGRUS	CD8T 1
## TTGCGTCCACGGCTAC.1_9	YUGRUS	DC 1
## TTGCGTCCATGTCTCC.1_9	YUGRUS	B 1
## TTGGAACAGGATTCCG.1_9	YUGRUS	CD4T 5
## TTGGAACCATCTACGA.1_9	YUGRUS	B 3
## TTGGAACTCGGCTTGG.1_9	YUGRUS	B 2
## TTGGCAACAGTTCCCT.1_9	YUGRUS	Mono 1
## TTGGCAACATGACGGA.1_9	YUGRUS	NK 2
## TTGGCAATCCTAAGTG.1_9	YUGRUS	TNKT 2
## TTGGCAATCTCAAACG.1_9	YUGRUS	TNKT 2
## TTGGCAATCTGCGACG.1_9	YUGRUS	CD4T 1
## TTGTAGGAGCGTCAAG.1_9	YUGRUS	Mono 7
## TTGTAGGTCAGTTTGG.1_9	YUGRUS	TNKT 1
## TTTACTGAGTTCCACA.1_9	YUGRUS	NK 4
## TTTACTGCAATGGAAT.1_9	YUGRUS	CD4T 3
## TTTACTGGTGTGGTTT.1_9	YUGRUS	Mono 8
## TTTACTGTCACGACTA.1_9	YUGRUS	TNKT 1
## TTTACTGTGCGGCCAA.1_9	YUGRUS	CD4T 5
## TTTCTCTCACCCGAG.1_9	YUGRUS	Mono 1
## TTTGCGCAGAATTGTG.1_9	YUGRUS	NK 4
## TTTGCGCAGTTAAGTG.1_9	YUGRUS	Mono 9
## TTTGCGCCACCATGTA.1_9	YUGRUS	Mono 7
## TTTGCGCCAGACGTAG.1_9	YUGRUS	CD4T 1
## TTTGGTTAGTGTCCCG.1_9	YUGRUS	Mono 5
## TTTGGTTCACACCGAC.1_9	YUGRUS	Mono 8
## TTTGGTTCACACTGCG.1_9	YUGRUS	CD8T 1
## TTTGGTTCACATTTCT.1_9	YUGRUS	CD4T 6
## TTTGGTTCACGAAACG.1_9	YUGRUS	Mono 9
## TTTGGTTGTGTAACGG.1_9	YUGRUS	CD8T 1
## TTTGGTTTCTCCAGGG.1_9	YUGRUS	B 2
## TTTGTCAAGGCATGTG.1_9	YUGRUS	NK 3
## TTTGTCAAGTCCCACG.1_9	YUGRUS	CD8T 1
## TTTGTCACACGAGGTA.1_9	YUGRUS	NK 2
## TTTGTCAGTAGCCTCG.1_9	YUGRUS	DC 1
## TTTGTCAGTATAGGGC.1_9	YUGRUS	CD4T 2
## TTTGTCAGTCGCGGTT.1_9	YUGRUS	Mono 8
## AAACCTGAGCCACGTC.1_10	YUFURL	CD8T 1
## AAACCTGCAATTCCTT.1_10	YUFURL	TNKT 1
## AAACGGGCACTTCTGC.1_10	YUFURL	Mono 5
## AAAGATGAGGGTATCG.1_10	YUFURL	Mono 8
## AAAGATGCACTGTTAG.1_10	YUFURL	CD4T 6
## AAAGATGTCCAGAGGA.1_10	YUFURL	Mono 3
## AAAGCAAAGTACGTAA.1_10	YUFURL	Mono 4
## AAAGCAACAAGTTAAG.1_10	YUFURL	Mono 3
## AAAGCAACATGGATGG.1_10	YUFURL	Mono 4
## AAAGCAATCGGATGTT.1_10	YUFURL	NK 4
## AAAGTAGAGCGATGAC.1_10	YUFURL	B 2
## AAAGTAGCATAACGCTA.1_10	YUFURL	Mono 2
## AAAGTAGTCTAACTTC.1_10	YUFURL	NK 4
## AACACGTTCTCTGCTG.1_10	YUFURL	Mono 4
## AACCATGAGATGCCAG.1_10	YUFURL	CD4T 6
## AACCATGCACTGCCAG.1_10	YUFURL	CD8T 1

## AACCGCGCACTGTGTA.1_10	YUFURL	CD8T 1
## AACCGCGTTATCACG.1_10	YUFURL	Mono 4
## AACGTTGAGTCACGCC.1_10	YUFURL	Mono 7
## AACTCAGGTTTCCACC.1_10	YUFURL	Mono 1
## AACTCCCGTGTGTTGGT.1_10	YUFURL	Mono 7
## AACTCTTGTCAGATAA.1_10	YUFURL	CD4T 3
## AACTCTTTCAGGCAAG.1_10	YUFURL	Mono 4
## AACTGGTAGGAGTCTG.1_10	YUFURL	Mono 4
## AACTGGTAGTGTGAAT.1_10	YUFURL	Mono 7
## AACTGGTCACGTCTCT.1_10	YUFURL	Mono 7
## AACTGGTCAGAGCCAA.1_10	YUFURL	Mono 5
## AACTGGTCAGGATCGA.1_10	YUFURL	CD8T 2
## AACTGGTCATCTGGTA.1_10	YUFURL	CD4T 7
## AACTTTCGTAAGTAGT.1_10	YUFURL	CD8T 1
## AACTTTCGTGGTAACG.1_10	YUFURL	Mono 4
## AACTTTCGTTCGGGCT.1_10	YUFURL	Mono 8
## AAGACCTAGGTGACCA.1_10	YUFURL	Mono 7
## AAGACCTCAAGGACAC.1_10	YUFURL	Mono 7
## AAGGAGCCATTGGGCC.1_10	YUFURL	Mono 3
## AAGGAGCGTCACCCAG.1_10	YUFURL	Mono 3
## AAGGAGCGTTTAGGAA.1_10	YUFURL	Mono 7
## AAGGAGCGTTTCGCTC.1_10	YUFURL	CD8T 1
## AAGGCAGAGCATCATC.1_10	YUFURL	CD4T 6
## AAGGCAGAGGTGGGTT.1_10	YUFURL	DC 1
## AAGGCAGTACCACCT.1_10	YUFURL	CD4T 3
## AAGGCAGTCCATGAGT.1_10	YUFURL	Mono 8
## AAGGTTCTGTCTGATTG.1_10	YUFURL	Mono 8
## AAGGTTCTGTTCACGGC.1_10	YUFURL	Mono 5
## AAGGTTCTCTGCTTG.1_10	YUFURL	Mono 8
## AAGGTTCTCTCTGTCTG.1_10	YUFURL	TNKT 1
## AAGTCTGAGCTAGCCC.1_10	YUFURL	NK 1
## AAGTCTGTCCGAGCCA.1_10	YUFURL	Mono 5
## AATCCAGAGCCCAACC.1_10	YUFURL	Mono 7
## AATCGGTAGCTATGCT.1_10	YUFURL	Mono 3
## AATCGGTCAATGGATA.1_10	YUFURL	Mono 4
## AATCGGTCATTACCTT.1_10	YUFURL	TNKT 2
## AATCGGTGTCATATGC.1_10	YUFURL	CD8T 1
## AATCGGTTTCGAGAGCA.1_10	YUFURL	CD8T 1
## ACACCAAAGAGAACAG.1_10	YUFURL	Mono 1
## ACACCAAAGAGTCGGT.1_10	YUFURL	Mono 1
## ACACCAAAGTCCATAC.1_10	YUFURL	B 2
## ACACCAAGTAGAGGAA.1_10	YUFURL	Mono 2
## ACACCAATCAGAGGTG.1_10	YUFURL	Mono 1
## ACACCCTAGATGTGGC.1_10	YUFURL	Mono 7
## ACACCCTAGTACGACG.1_10	YUFURL	CD4T 3
## ACACCCTGTGTTTCGAT.1_10	YUFURL	Mono 5
## ACACCCTGTACTGAC.1_10	YUFURL	NK 2
## ACACCGGAGGATGGTC.1_10	YUFURL	Mono 4
## ACACCGGTCGTTTAGG.1_10	YUFURL	NK 2
## AACTGATCCTAAGTG.1_10	YUFURL	Mono 5
## ACAGCCGAGTCGATAA.1_10	YUFURL	Mono 7
## ACAGCCGGTCAATACC.1_10	YUFURL	CD4T 5
## ACAGCTAAGGCAGTCA.1_10	YUFURL	B 2
## ACAGCTAAGTGACTCT.1_10	YUFURL	Mono 9

## ACAGCTAAGTGGTAAT.1_10	YUFURL	TNKT 2
## ACATACGAGTGTTCG.1_10	YUFURL	CD4T 1
## ACATACGCAAATACAG.1_10	YUFURL	Mono 4
## ACATCAGCAGGGCATA.1_10	YUFURL	Mono 8
## ACATCAGTCGACGGAA.1_10	YUFURL	CD8T 1
## ACATGGTCACAACGT.1_10	YUFURL	Mono 4
## ACATGGTCATATGGTC.1_10	YUFURL	Mono 8
## ACATGGTTCCTGTACC.1_10	YUFURL	CD8T 1
## ACCAGTAAGGCATTGG.1_10	YUFURL	Mono 5
## ACCAGTACAAGTCATC.1_10	YUFURL	Mono 5
## ACCAGTACACATTAGC.1_10	YUFURL	Mono 4
## ACCAGTACATAAAGGT.1_10	YUFURL	Mono 7
## ACCAGTACATTTCACT.1_10	YUFURL	B 2
## ACCCACTAGTCAAGCG.1_10	YUFURL	NK 2
## ACCCACTCAGTCAGAG.1_10	YUFURL	Mono 1
## ACCCACTTCTATCCCG.1_10	YUFURL	Mono 4
## ACGAGCCCCTCTATGG.1_10	YUFURL	Mono 7
## ACGAGCCGTAAGTGGC.1_10	YUFURL	NK 2
## ACGAGCCGTGTTTGTG.1_10	YUFURL	CD4T 6
## ACGAGGAAGGTGCACA.1_10	YUFURL	Mono 7
## ACGATACAGGTGTGGT.1_10	YUFURL	CD8T 1
## ACGATACGTCAACTGT.1_10	YUFURL	CD8T 1
## ACGATACTCCGGCACA.1_10	YUFURL	CD4T 6
## ACGATACTCGATCCCT.1_10	YUFURL	B 1
## ACGATACTCTGCCCTA.1_10	YUFURL	CD8T 1
## ACGATACTCTTGCAAG.1_10	YUFURL	CD4T 5
## ACGATGTCACTTACGA.1_10	YUFURL	CD8T 1
## ACGATGTGTTACCAGT.1_10	YUFURL	Mono 5
## ACGATGTTTCAGCCTAA.1_10	YUFURL	NK 3
## ACGATGTTTCGGATGTT.1_10	YUFURL	Mono 7
## ACGCAGCCACAAGTAA.1_10	YUFURL	Mono 3
## ACGCCAGCATAACCATG.1_10	YUFURL	CD8T 1
## ACGCCAGGTTAGAACA.1_10	YUFURL	NK 2
## ACGCCAGGTTCCACGG.1_10	YUFURL	Mono 7
## ACGCCGACACGTCTCT.1_10	YUFURL	Mono 2
## ACGCCGACAGCCAATT.1_10	YUFURL	DC 1
## ACGCCGACATGGTTGT.1_10	YUFURL	B 2
## ACGCCGATCCAAAGTC.1_10	YUFURL	NK 3
## ACGCCGATCTCGCTTG.1_10	YUFURL	NK 1
## ACGGAGAAGGCGATAC.1_10	YUFURL	NK 2
## ACGGAGAGTTGCCTCT.1_10	YUFURL	Mono 2
## ACGGAGATCACCTCGT.1_10	YUFURL	CD4T 3
## ACGGCCACAGGGCATA.1_10	YUFURL	CD4T 6
## ACGGCCACATGATCCA.1_10	YUFURL	NK 2
## ACGGCCAGTTGTCTTT.1_10	YUFURL	Mono 1
## ACGGCCATCACATGCA.1_10	YUFURL	TNKT 1
## ACGGGCTCAACGATGG.1_10	YUFURL	Mono 4
## ACGGGCTGTAGTGGG.1_10	YUFURL	CD4T 7
## ACGGGTCAGCTCCCAG.1_10	YUFURL	NK 3
## ACGGGTCCACCTCGTT.1_10	YUFURL	Mono 1
## ACGTCAAAGTTGTAGA.1_10	YUFURL	TNKT 2
## ACGTCAACAATCTGCA.1_10	YUFURL	Mono 7
## ACGTCAAGTCCGCTGA.1_10	YUFURL	Mono 1
## ACGTCAAGTTGTTGG.1_10	YUFURL	NK 4

## ACGTCAATCAAACGGG.1_10	YUFURL	CD4T 5
## ACTATCTAGCCCTAAT.1_10	YUFURL	CD8T 1
## ACTATCTAGGCTACGA.1_10	YUFURL	CD8T 1
## ACTGAACCATAACCATG.1_10	YUFURL	Mono 4
## ACTGAACCATAGACTC.1_10	YUFURL	Mono 8
## ACTGAGTAGATTACCC.1_10	YUFURL	B 1
## ACTGAGTCATTGGGCC.1_10	YUFURL	Mono 3
## ACTGATGCAATGAAAC.1_10	YUFURL	B 2
## ACTGATGCAGTCGATT.1_10	YUFURL	Mono 7
## ACTGATGCATACGCCG.1_10	YUFURL	NK 3
## ACTGATGGTTCCATGA.1_10	YUFURL	Mono 8
## ACTGATGTCGTCTGCT.1_10	YUFURL	CD4T 1
## ACTGCTCAGACTAAGT.1_10	YUFURL	CD8T 1
## ACTGCTCAGGAGTTTA.1_10	YUFURL	Mono 7
## ACTGCTCAGTCGCCGT.1_10	YUFURL	NK 1
## ACTGCTCCACGGTTTA.1_10	YUFURL	Mono 7
## ACTGCTCCATAACCATG.1_10	YUFURL	CD8T 1
## ACTGCTCGTTAAAGTG.1_10	YUFURL	NK 2
## ACTGCTCTCATGTAGC.1_10	YUFURL	Mono 8
## ACTGTCCGTACCGGCT.1_10	YUFURL	B 2
## ACTGTCCCTCAACACCA.1_10	YUFURL	TNKT 2
## ACTTGTTAGGGAGTAA.1_10	YUFURL	NK 2
## ACTTGTTAGTACGCC.1_10	YUFURL	NK 1
## ACTTGTTCACTTAAGC.1_10	YUFURL	CD8T 1
## ACTTTCAGATTACCC.1_10	YUFURL	CD8T 1
## ACTTTCACATAGAAAC.1_10	YUFURL	Mono 3
## ACTTTCATCAACCAAC.1_10	YUFURL	TNKT 2
## ACTTTCATCGGTCTAA.1_10	YUFURL	CD4T 5
## ACTTTCATCTGTACGA.1_10	YUFURL	Mono 9
## ACTTTCATCTTATCTG.1_10	YUFURL	CD4T 4
## AGAATAGGTGACCAAG.1_10	YUFURL	DC 1
## AGACGTTAGACTAGGC.1_10	YUFURL	Mono 4
## AGACGTTACAGGTTT.1_10	YUFURL	CD4T 4
## AGACGTTCAGTTTACG.1_10	YUFURL	CD4T 3
## AGACGTTGTCGCTTCT.1_10	YUFURL	Mono 8
## AGAGCGAAGTTACGGG.1_10	YUFURL	Mono 7
## AGAGCTTCAAACCCAT.1_10	YUFURL	Mono 3
## AGAGCTTTCAGTACGT.1_10	YUFURL	CD8T 1
## AGAGCTTTCGATCCCT.1_10	YUFURL	CD8T 1
## AGAGTGGCACATCCAA.1_10	YUFURL	Mono 8
## AGAGTGGCAGGGAGAG.1_10	YUFURL	B 1
## AGAGTGGGTAGCTCCG.1_10	YUFURL	CD4T 6
## AGATCTGGTAACGACG.1_10	YUFURL	Mono 4
## AGATCTGGTAGCCTCG.1_10	YUFURL	Mono 8
## AGATCTGGTGGGTATG.1_10	YUFURL	B 2
## AGATTGCCATCCCATC.1_10	YUFURL	Mono 1
## AGCAGCCAGCTTCGCG.1_10	YUFURL	B 2
## AGCAGCCGTAAATGAC.1_10	YUFURL	Mono 7
## AGCAGCCTCCTAGGGC.1_10	YUFURL	Mono 3
## AGCAGCCTCTTGAGAC.1_10	YUFURL	Mono 4
## AGCATACCACCATGTA.1_10	YUFURL	Mono 5
## AGCATACGTAGCGATG.1_10	YUFURL	TNKT 2
## AGCCTAAAGATCTGAA.1_10	YUFURL	Mono 2
## AGCCTAACAAGGACTG.1_10	YUFURL	Mono 8

## AGCCTAAGTACTCGCG.1_10	YUFURL	Mono 2
## AGCGGTCTAGTCCGGTC.1_10	YUFURL	NK 3
## AGCGGTCTCCCAACGG.1_10	YUFURL	Mono 1
## AGCGGTCTCGAACTGT.1_10	YUFURL	TNKT 2
## AGCGTATAGTGTGAAT.1_10	YUFURL	Mono 5
## AGCGTATCACAGAGGT.1_10	YUFURL	Mono 9
## AGCTCCTAGCGACGTA.1_10	YUFURL	Mono 5
## AGCTCCTGTGTGTGCC.1_10	YUFURL	CD8T 1
## AGCTCTCAGAAGGACA.1_10	YUFURL	CD8T 1
## AGCTCTCCAATCGAAA.1_10	YUFURL	Mono 3
## AGCTCTCCATAGAAAC.1_10	YUFURL	Mono 3
## AGCTTGAGTAGCGTGA.1_10	YUFURL	Mono 1
## AGGCCACAGTATCTCG.1_10	YUFURL	CD4T 7
## AGGCCACGTATCAGTC.1_10	YUFURL	TNKT 2
## AGGCCACGTGAAATCA.1_10	YUFURL	Mono 5
## AGGCCACTCTGCGACG.1_10	YUFURL	Mono 3
## AGGCCGTAGCCGTCGT.1_10	YUFURL	NK 3
## AGGCCGTAGCGGATCA.1_10	YUFURL	Mono 5
## AGGCCGTACCAGGCT.1_10	YUFURL	CD8T 1
## AGGGATGGTCTAGTGT.1_10	YUFURL	TNKT 2
## AGGGTGATCGGAAACG.1_10	YUFURL	Mono 7
## AGGTCATAGAGGTTGC.1_10	YUFURL	Mono 8
## AGGTCCGCACCAGATT.1_10	YUFURL	Mono 2
## AGGTCCGCAGCCTTGG.1_10	YUFURL	CD8T 1
## AGGTCCGTCTATGTGG.1_10	YUFURL	Mono 1
## AGTAGTCAGTTTAGGA.1_10	YUFURL	Mono 7
## AGTAGTCCAGAAGCAC.1_10	YUFURL	TNKT 1
## AGTCTTTTCAGGTCGTC.1_10	YUFURL	CD8T 1
## AGTGAGGTCACTTACT.1_10	YUFURL	CD8T 1
## AGTGGGAAGTAAGTAC.1_10	YUFURL	CD8T 2
## AGTGTCATCATTCACT.1_10	YUFURL	Mono 2
## AGTTGGTAGGAACTGC.1_10	YUFURL	Mono 5
## AGTTGGTGTGCAACTT.1_10	YUFURL	CD8T 1
## AGTTGGTTCAGCGATT.1_10	YUFURL	NK 2
## AGTTGGTTCTGAGTGT.1_10	YUFURL	CD8T 1
## ATAAGAGCAACTGCGC.1_10	YUFURL	CD4T 4
## ATAAGAGCATCACCCT.1_10	YUFURL	CD4T 7
## ATAGACCGTTCTCATT.1_10	YUFURL	CD8T 1
## ATAGACCTCGGAAATA.1_10	YUFURL	Mono 8
## ATCACGACACAAGTAA.1_10	YUFURL	Mono 8
## ATCACGAGTCTCTTTA.1_10	YUFURL	Mono 3
## ATCATCTAGTTGAGTA.1_10	YUFURL	Mono 5
## ATCATCTGTACAAGTA.1_10	YUFURL	Mono 5
## ATCATCTTCATTATCC.1_10	YUFURL	Mono 4
## ATCATGGTCCGCGCAA.1_10	YUFURL	B 2
## ATCATGGTCGTTTATC.1_10	YUFURL	Mono 5
## ATCGAGTAGGGCTTCC.1_10	YUFURL	Mono 7
## ATCGAGTCATCGGGTC.1_10	YUFURL	Mono 3
## ATCGAGTTCAATCACG.1_10	YUFURL	Mono 8
## ATCGAGTTCATCTGCC.1_10	YUFURL	CD4T 3
## ATCTACTTCTGAAAGA.1_10	YUFURL	B 2
## ATCTGCCAGAGTAATC.1_10	YUFURL	Mono 9
## ATCTGCCCAGCTATTG.1_10	YUFURL	NK 3
## ATCTGCCCAGGTCCAC.1_10	YUFURL	CD4T 6

## ATCTGCCCATACTCTT.1_10	YUFURL	CD4T 4
## ATCTGCCTCTATCGCC.1_10	YUFURL	NK 2
## ATGAGGGAGAAACGCC.1_10	YUFURL	CD4T 7
## ATGAGGGAGTTCGATC.1_10	YUFURL	Mono 4
## ATGAGGGGTCGTCTTC.1_10	YUFURL	CD8T 2
## ATGCGATAGATATGCA.1_10	YUFURL	Mono 7
## ATGCGATCACTCTGTC.1_10	YUFURL	CD8T 1
## ATGCGATCATCCCACT.1_10	YUFURL	B 2
## ATGGGAGCAGTTCATG.1_10	YUFURL	B 1
## ATGGGAGGTCCACAA.1_10	YUFURL	Mono 5
## ATGTGTGAGAGTACAT.1_10	YUFURL	Mono 2
## ATGTGTGGTAGGCTGA.1_10	YUFURL	Mono 2
## ATTA CTCA GTGGAGTC.1_10	YUFURL	Mono 2
## ATTA CTCCAGACAGGT.1_10	YUFURL	Mono 8
## ATTA CTCTGTGAATA.1_10	YUFURL	Mono 8
## ATTA TCCCAATCTACG.1_10	YUFURL	Mono 2
## ATTA TCCGTATCGCAT.1_10	YUFURL	TNKT 1
## ATTA TCCGTGCGAAA.1_10	YUFURL	Mono 3
## ATTA TCCTCAGCCTAA.1_10	YUFURL	Mono 4
## ATTCTACAGTGGGCTA.1_10	YUFURL	Mono 4
## ATTGGACCATGCATGT.1_10	YUFURL	Mono 4
## ATTGGACGTAGCGTGA.1_10	YUFURL	Mono 2
## ATTGGACGTCATCCCT.1_10	YUFURL	Mono 8
## ATTGGACGTCCATCCT.1_10	YUFURL	Mono 7
## ATTGGTGAGCTGCGAA.1_10	YUFURL	Mono 3
## ATTGGTGCAAGTCATC.1_10	YUFURL	Mono 5
## ATTGGTGGTCCATCCT.1_10	YUFURL	CD8T 1
## ATTTCTGCATCTCCCA.1_10	YUFURL	NK 2
## ATTTCTGGTCGCATCG.1_10	YUFURL	B 2
## ATTTCTGTCTAGAGTC.1_10	YUFURL	B 2
## ATTTCTGTCTGAGTGT.1_10	YUFURL	CD4T 4
## CAACCAACAAATACAG.1_10	YUFURL	CD4T 6
## CAACCAACATCACCCT.1_10	YUFURL	Mono 8
## CAACCAATCTAACGGT.1_10	YUFURL	Mono 2
## CAACCTCCAGACGCCT.1_10	YUFURL	CD4T 1
## CAACTAGGTCTCTTG.1_10	YUFURL	Mono 5
## CAACTAGTCTGGTTCC.1_10	YUFURL	Mono 4
## CAAGATCAGTACTTGC.1_10	YUFURL	Mono 7
## CAAGATCGTTCACGGC.1_10	YUFURL	CD8T 1
## CAAGGCCAGACAAAGG.1_10	YUFURL	CD8T 1
## CAAGGCCAGATGTGTA.1_10	YUFURL	Mono 5
## CAAGGCCTCCTCATTA.1_10	YUFURL	Mono 4
## CAAGTTGAGCTCCCAG.1_10	YUFURL	Mono 7
## CAAGTTGCAACGATGG.1_10	YUFURL	Mono 4
## CAAGTTGCAATGCCAT.1_10	YUFURL	DC 1
## CACAAACTCAGTGCAT.1_10	YUFURL	CD8T 1
## CACACAAGTGACAAAT.1_10	YUFURL	Mono 4
## CACACAATCAATAAGG.1_10	YUFURL	Mono 4
## CACACCTAGCCTCGTG.1_10	YUFURL	NK 1
## CACACCTGTTGCGTTA.1_10	YUFURL	NK 2
## CACACCTTCTTAGAGC.1_10	YUFURL	Mono 8
## CACACTCAGACTGTAA.1_10	YUFURL	Mono 7
## CACACTCCAGATCGGA.1_10	YUFURL	NK 3
## CACACTCCAGCTGCTG.1_10	YUFURL	CD4T 6

## CACAGGCCAGATCGGA.1_10	YUFURL	DC 1
## CACAGGCGTTCCACGG.1_10	YUFURL	Mono 8
## CACAGGCTCTGAAAGA.1_10	YUFURL	CD8T 1
## CACAGTAAGCCCTAAT.1_10	YUFURL	Mono 9
## CACAGTACACCGGAAA.1_10	YUFURL	NK 2
## CACAGTACAGGCTCAC.1_10	YUFURL	NK 2
## CACAGTAGTTAGGGTG.1_10	YUFURL	CD4T 3
## CACATAGAGCGGATCA.1_10	YUFURL	Mono 3
## CACATAGCAAGCCGCT.1_10	YUFURL	Mono 7
## CACATAGGTCTGCCAG.1_10	YUFURL	Mono 4
## CACATAGTCCTATGTT.1_10	YUFURL	CD8T 1
## CACATTTTCATGCTAGT.1_10	YUFURL	Mono 9
## CACATTTGTTCGTGAT.1_10	YUFURL	Mono 3
## CACATTTTCTACGAGT.1_10	YUFURL	B 2
## CACATTTTCTTACCGC.1_10	YUFURL	Mono 7
## CACCACTAGAGTCGGT.1_10	YUFURL	Mono 8
## CACCACTCACGCTTTC.1_10	YUFURL	Mono 9
## CACCACTCATCCCATC.1_10	YUFURL	Mono 7
## CACCAGGCACCAGGCT.1_10	YUFURL	Mono 2
## CACCAGGTCCCTCAGT.1_10	YUFURL	Mono 8
## CACCTTGAGTCTCGGC.1_10	YUFURL	Mono 7
## CACCTTGCAAGTCTGT.1_10	YUFURL	NK 1
## CACCTTGCACGCGAAA.1_10	YUFURL	Mono 8
## CACCTTGGTCCGAACC.1_10	YUFURL	TNKT 1
## CACCTTGTCAAAAACC.1_10	YUFURL	B 1
## CACTCCAGTAGAGGAA.1_10	YUFURL	Mono 7
## CACTCCAGTGGCGAAT.1_10	YUFURL	CD8T 1
## CACTCCAGTTAGTGGG.1_10	YUFURL	Mono 5
## CACTCCATCGGATGTT.1_10	YUFURL	DC 1
## CACTCCATCTGAAAGA.1_10	YUFURL	Mono 2
## CAGAATCAGTGCCAGA.1_10	YUFURL	CD8T 1
## CAGAATCCAACACCCG.1_10	YUFURL	CD8T 1
## CAGAATCCAAGACACG.1_10	YUFURL	B 1
## CAGAATCGTATAAACG.1_10	YUFURL	Mono 1
## CAGAATCTCACTATTC.1_10	YUFURL	Mono 5
## CAGAGAGCAAGCCAC.1_10	YUFURL	DC 1
## CAGAGAGGTCATGCAT.1_10	YUFURL	NK 2
## CAGAGAGTCATACGGT.1_10	YUFURL	Mono 4
## CAGATCATCAGCGATT.1_10	YUFURL	Mono 4
## CAGATCATCTTACCTA.1_10	YUFURL	Mono 1
## CAGCAGCGTCGATTGT.1_10	YUFURL	Mono 5
## CAGCATACAGTTTACG.1_10	YUFURL	TNKT 1
## CAGCATATCATCGATG.1_10	YUFURL	Mono 3
## CAGCCGACATTCTCTG.1_10	YUFURL	Mono 3
## CAGCCGATCACTCTTA.1_10	YUFURL	B 2
## CAGCGACGTCTCTTG.1_10	YUFURL	Mono 8
## CAGCTAAAGATCTGCT.1_10	YUFURL	CD8T 2
## CAGCTAAGTCTTGCTT.1_10	YUFURL	Mono 1
## CAGCTAAGTGGCCCTA.1_10	YUFURL	Mono 2
## CAGCTGGGTGACCAAG.1_10	YUFURL	Mono 2
## CAGCTGGTCCATGAGT.1_10	YUFURL	DC 1
## CAGGTGCCATCATCCC.1_10	YUFURL	Mono 9
## CAGTAACGTAATAGCA.1_10	YUFURL	Mono 5
## CAGTAACTCTCTGTCG.1_10	YUFURL	Mono 1

## CAGTCCTTCTTGACGA.1_10	YUFURL	Mono 3
## CATATGGAGCTAACAA.1_10	YUFURL	NK 3
## CATATGGGTCAGTGGA.1_10	YUFURL	NK 2
## CATATGGGTTAGGGTG.1_10	YUFURL	DC 1
## CATATTCCACGTAAGG.1_10	YUFURL	TNKT 2
## CATCAAGGTCTCTCTG.1_10	YUFURL	NK 2
## CATCAGACAAGCGCTC.1_10	YUFURL	NK 2
## CATCAGAGTGACGGTA.1_10	YUFURL	B 2
## CATCAGATCCGCGCAA.1_10	YUFURL	CD8T 1
## CATCCACTCGGTTCGG.1_10	YUFURL	DC 1
## CATCGAACACTTACGA.1_10	YUFURL	Mono 4
## CATCGGGAGAAACCTA.1_10	YUFURL	CD8T 1
## CATCGGGTCGAACTGT.1_10	YUFURL	Mono 7
## CATGACAAGCGCCTTG.1_10	YUFURL	CD8T 1
## CATGCCTAGAAGGCCT.1_10	YUFURL	Mono 7
## CATGCCTAGTACGACG.1_10	YUFURL	Mono 3
## CATGCCTCAATCTGCA.1_10	YUFURL	CD8T 1
## CATGCCTGTAAATGAC.1_10	YUFURL	CD4T 5
## CATGGCGCAGGAATCG.1_10	YUFURL	Mono 2
## CATGGCGGTAAGTTCC.1_10	YUFURL	DC 1
## CATGGCGGTACCGCTG.1_10	YUFURL	Mono 3
## CATGGCGTCAAGAAGT.1_10	YUFURL	Mono 2
## CATTATCAGTAACCCT.1_10	YUFURL	B 2
## CATTGCGCCAGTCGTGC.1_10	YUFURL	CD8T 1
## CATTGCTCCCTAACC.1_10	YUFURL	NK 1
## CCAATCCAGGCAGTCA.1_10	YUFURL	Mono 3
## CCAATCCTCAGGACTA.1_10	YUFURL	B 2
## CCACCTAGTCGGGTCT.1_10	YUFURL	Mono 1
## CCACCTATCAGGCAAG.1_10	YUFURL	Mono 4
## CCACCTATCCCAAGAT.1_10	YUFURL	Mono 4
## CCACTACGTACCAGTT.1_10	YUFURL	Mono 7
## CCAGCGAGTCAATGTC.1_10	YUFURL	Mono 7
## CCATGTCGTTGGTGGA.1_10	YUFURL	TNKT 1
## CCATGTCTCGCTTAGA.1_10	YUFURL	TNKT 1
## CCATTGAGAAATTGTG.1_10	YUFURL	CD8T 1
## CCATTGTCCTTTACA.1_10	YUFURL	CD4T 2
## CCCAATCTCCACGCAG.1_10	YUFURL	TNKT 2
## CCCAATCTCCCAAGTA.1_10	YUFURL	Mono 1
## CCCTCCTAGTCCAGGA.1_10	YUFURL	Mono 3
## CCCTCCTGTCTCTTAT.1_10	YUFURL	Mono 1
## CCCTCCTGTCTGGTA.1_10	YUFURL	NK 2
## CCCTCCTTCAGTCCCT.1_10	YUFURL	CD4T 6
## CCGGGATAGGGTGTGT.1_10	YUFURL	CD8T 1
## CCGGGATCACAGCCCA.1_10	YUFURL	CD4T 1
## CCGGGATTGTTACGA.1_10	YUFURL	Mono 8
## CCGGTAGAGGACATTA.1_10	YUFURL	Mono 7
## CCGTACTTCTGCGGCA.1_10	YUFURL	Mono 5
## CCGTGGACATTGAGCT.1_10	YUFURL	CD8T 1
## CCGTGGATCTCGCTTG.1_10	YUFURL	B 2
## CCGTTCAGTCCTGCTT.1_10	YUFURL	Mono 8
## CCGTTCAGTTTGGCGC.1_10	YUFURL	TNKT 1
## CCGTTCATCAGCGACC.1_10	YUFURL	Mono 9
## CCTAAAGTCAGCTTAG.1_10	YUFURL	CD4T 7
## CCTAAAGTCCGTAGGC.1_10	YUFURL	CD8T 1

## CCTACACTCATATCGG.1_10	YUFURL	Mono 7
## CCTACACTCCTTGGTC.1_10	YUFURL	TNKT 2
## CCTACCAAGGTGTGGT.1_10	YUFURL	CD4T 4
## CCTACCATCTACTCAT.1_10	YUFURL	CD8T 1
## CCTAGCTCACAGCCCA.1_10	YUFURL	Mono 2
## CCTATTAAGTGGGATC.1_10	YUFURL	CD4T 5
## CCTATTAGTTGTGGAG.1_10	YUFURL	Mono 9
## CCTCTGAAGGGATGGG.1_10	YUFURL	Mono 8
## CCTCTGAAGTAACCCT.1_10	YUFURL	CD4T 3
## CCTCTGACACAGATTC.1_10	YUFURL	CD4T 6
## CCTTCCCCAACACGCC.1_10	YUFURL	Mono 4
## CCTTCCCTCTCCCTGA.1_10	YUFURL	B 2
## CCTTCCCTCTGCTGTC.1_10	YUFURL	NK 4
## CCTTCGAAGACCGGAT.1_10	YUFURL	Mono 7
## CCTTCGAAGTAGCCGA.1_10	YUFURL	TNKT 2
## CCTTTCTGTAGGAGTC.1_10	YUFURL	NK 1
## CCTTTCTGTGTTTCGAT.1_10	YUFURL	TNKT 2
## CGAACATAGGGCTCTC.1_10	YUFURL	Mono 3
## CGAACATCAATGGAAT.1_10	YUFURL	Mono 7
## CGAACATCACCAGGCT.1_10	YUFURL	CD8T 1
## CGAACATGTCTCCACT.1_10	YUFURL	B 2
## CGAACATTGGCGCAT.1_10	YUFURL	Mono 4
## CGAATGTAGGCGACAT.1_10	YUFURL	Mono 5
## CGAATGTCACCCATGG.1_10	YUFURL	Mono 2
## CGAATGTGTAAGGGCT.1_10	YUFURL	B 2
## CGAATGTTCTGCAGTA.1_10	YUFURL	TNKT 2
## CGACTTCCAGACAAGC.1_10	YUFURL	NK 2
## CGACTTCGTCTAGCGC.1_10	YUFURL	CD8T 1
## CGACTTCTCACCCTAA.1_10	YUFURL	Mono 7
## CGACTTCTCGGATGGA.1_10	YUFURL	Mono 4
## CGAGAAGAGAGATGAG.1_10	YUFURL	NK 1
## CGAGAAGCAACTGCTA.1_10	YUFURL	Mono 3
## CGAGCACGTAGTAGTA.1_10	YUFURL	Mono 4
## CGAGCCAGTGTGGCTC.1_10	YUFURL	NK 2
## CGATCGGGTGATAAGT.1_10	YUFURL	Mono 2
## CGATCGGTCCAGTAGT.1_10	YUFURL	Mono 3
## CGATGGCTCCCATTTA.1_10	YUFURL	CD8T 1
## CGATGTAGTTCCCGAG.1_10	YUFURL	NK 2
## CGATTGAAGTACACCT.1_10	YUFURL	NK 2
## CGATTGATCCGAATGT.1_10	YUFURL	CD8T 2
## CGCCAAGAGCAGGCTA.1_10	YUFURL	TNKT 1
## CGCCAAGCATAGACTC.1_10	YUFURL	Mono 7
## CGCCAAGTCCACGTGG.1_10	YUFURL	Mono 4
## CGCGGTAAGACTTTTCG.1_10	YUFURL	Mono 8
## CGCGTTTTCAAACAAG.1_10	YUFURL	TNKT 1
## CGCGTTTTCGGCCGAT.1_10	YUFURL	NK 2
## CGCTATCCATAGACTC.1_10	YUFURL	NK 2
## CGCTGGACACTTGAT.1_10	YUFURL	CD4T 7
## CGCTGGACAGCGATCC.1_10	YUFURL	CD8T 1
## CGCTGGACATGCAACT.1_10	YUFURL	NK 2
## CGCTGGAGTACAAGTA.1_10	YUFURL	DC 1
## CGGACACAGACAGAGA.1_10	YUFURL	Mono 4
## CGGACACGTCTAAACC.1_10	YUFURL	Mono 7
## CGGACACTCCTTGCCA.1_10	YUFURL	NK 2

## CGGACGTGTAGCTGCC.1_10	YUFURL	NK 1
## CGGACGTTACGACTA.1_10	YUFURL	Mono 5
## CGGACGTTCAGTTAGC.1_10	YUFURL	Mono 4
## CGGACTGAGGATATAC.1_10	YUFURL	Mono 2
## CGGACTGCATGCCTAA.1_10	YUFURL	Mono 8
## CGGACTGGTAGCGTAG.1_10	YUFURL	B 3
## CGGAGCTCAATGGTCT.1_10	YUFURL	Mono 4
## CGGAGCTGTACCCAAT.1_10	YUFURL	Mono 4
## CGGAGTCAGACAGGCT.1_10	YUFURL	Mono 7
## CGGAGTCTCGCCTGAG.1_10	YUFURL	Mono 1
## CGGAGTCTCGTCCGTT.1_10	YUFURL	DC 1
## CGGCTAGGTGTTAAGA.1_10	YUFURL	CD8T 2
## CGGGTCAGTAGCTCCG.1_10	YUFURL	TNKT 2
## CGGGTCATCGTGGTCG.1_10	YUFURL	CD8T 1
## CGGTTAAAGGAATTAC.1_10	YUFURL	CD8T 1
## CGGTTAATCCCATTAT.1_10	YUFURL	NK 2
## CGTAGCGAGTATCGAA.1_10	YUFURL	Mono 8
## CGTAGGCTCCATGAAC.1_10	YUFURL	Mono 1
## CGTCACTCACATGTGT.1_10	YUFURL	CD4T 3
## CGTCACTCATAAGACA.1_10	YUFURL	CD8T 1
## CGTCACTTCATCGCTC.1_10	YUFURL	NK 3
## CGTCAGGCATTGGTAC.1_10	YUFURL	Mono 7
## CGTCAGGTCGTCCAGG.1_10	YUFURL	Mono 7
## CGTCCATAGCAACGGT.1_10	YUFURL	Mono 4
## CGTCCATGTTACAGAA.1_10	YUFURL	Mono 8
## CGTCTACCAATGTAAG.1_10	YUFURL	DC 1
## CGTCTACCATTGTGCA.1_10	YUFURL	Mono 5
## CGTCTACTACTATTTC.1_10	YUFURL	Mono 2
## CGTGTAAGAGTTGGC.1_10	YUFURL	Mono 4
## CGTGTAACACGGTGTG.1_10	YUFURL	Mono 5
## CGTGTAACAGTGGAGT.1_10	YUFURL	CD4T 1
## CGTGTCTTCGGCGCTA.1_10	YUFURL	NK 2
## CGTTAGACACATCTTT.1_10	YUFURL	CD4T 7
## CGTTCTGAGTGGGATC.1_10	YUFURL	Mono 1
## CGTTCTGCAGTACACT.1_10	YUFURL	Mono 2
## CGTTGGGGTTCATGGT.1_10	YUFURL	Mono 7
## CTAACCTTAGTTCGCAT.1_10	YUFURL	Mono 7
## CTAACCTTCAGTCGATT.1_10	YUFURL	Mono 4
## CTAACCTTGTGCGAAA.1_10	YUFURL	Mono 2
## CTAAGACAGTGACTCT.1_10	YUFURL	CD4T 7
## CTAAGACCACATTAGC.1_10	YUFURL	Mono 7
## CTAAGACGTTCAGGCC.1_10	YUFURL	Mono 4
## CTAATGGAGACACGAC.1_10	YUFURL	Mono 3
## CTAATGGAGTGGTAAT.1_10	YUFURL	CD8T 2
## CTAATGGCAAGGTGTG.1_10	YUFURL	CD8T 1
## CTACACCAGCTCCTCT.1_10	YUFURL	Mono 5
## CTACACCTCCTTAATC.1_10	YUFURL	CD8T 2
## CTACATTCAATCGACA.1_10	YUFURL	CD4T 1
## CTACATTGTTGCCTCT.1_10	YUFURL	Mono 3
## CTACGTCTCTATCCTA.1_10	YUFURL	NK 3
## CTAGCCTAGGGTGTGTG.1_10	YUFURL	Mono 3
## CTAGCCTCACACATGT.1_10	YUFURL	Mono 7
## CTAGCCTCAGGAATCG.1_10	YUFURL	Mono 4
## CTAGCCTGTATTACCG.1_10	YUFURL	NK 2

## CTAGCCTTCCCAAGTA.1_10	YUFURL	Mono 9
## CTAGTGAAGAGACGAA.1_10	YUFURL	Mono 9
## CTAGTGAGTAAGTTCC.1_10	YUFURL	Mono 2
## CTCAGAAAGCGTGTCC.1_10	YUFURL	NK 4
## CTCAGAACAGACGCAA.1_10	YUFURL	Mono 2
## CTCAGAACATTCTGTC.1_10	YUFURL	CD8T 1
## CTCAGAAGTCAATACC.1_10	YUFURL	CD4T 7
## CTCAGAATCAGCATGT.1_10	YUFURL	Mono 4
## CTCAGAATCCTTGCCA.1_10	YUFURL	Mono 5
## CTCAGAATCGCCATAA.1_10	YUFURL	CD4T 6
## CTCAGAATCTACCAGA.1_10	YUFURL	Mono 4
## CTCATTATCCGTCAA.1_10	YUFURL	TNKT 1
## CTCCTAGGTAAAGGAG.1_10	YUFURL	NK 1
## CTCCTAGGTCAAAGAT.1_10	YUFURL	CD8T 1
## CTCGAAAGTTAAGGGC.1_10	YUFURL	NK 2
## CTCGAAATCGGAAACG.1_10	YUFURL	Mono 8
## CTCGAGGAGGGATACC.1_10	YUFURL	CD8T 1
## CTCGAGGGTCGCGGTT.1_10	YUFURL	CD8T 1
## CTCGGAGAGTGGAGTC.1_10	YUFURL	NK 4
## CTCGGAGGTGCAGTAG.1_10	YUFURL	CD8T 1
## CTCGGGACAGATGGGT.1_10	YUFURL	Mono 8
## CTCGGGATCAACCATG.1_10	YUFURL	NK 2
## CTCGTACAGATACACA.1_10	YUFURL	Mono 8
## CTCGTACGTCATGCCG.1_10	YUFURL	Mono 4
## CTCGTACTCTGGTATG.1_10	YUFURL	CD8T 1
## CTCGTCAAGTGCCAGA.1_10	YUFURL	Mono 8
## CTCTAATCAGTATGCT.1_10	YUFURL	CD4T 5
## CTCTAATTCTTGCAAG.1_10	YUFURL	Mono 3
## CTCTACGGTCCCTACT.1_10	YUFURL	Mono 4
## CTCTGGTAGATCACGG.1_10	YUFURL	B 2
## CTCTGGTAGTTATCGC.1_10	YUFURL	CD8T 1
## CTCTGGTCACCTCGTT.1_10	YUFURL	B 2
## CTCTGGTCACTACAGT.1_10	YUFURL	Mono 5
## CTCTGGTGTGAAAGAG.1_10	YUFURL	CD4T 3
## CTCTGGTTCCGCTGTT.1_10	YUFURL	Mono 1
## CTGAAACAGTCCTCCT.1_10	YUFURL	CD8T 1
## CTGAAACTCTTAGCCC.1_10	YUFURL	Mono 7
## CTGAAGTGTCTTGTC.1_10	YUFURL	CD4T 5
## CTGATAGCACAAACGTT.1_10	YUFURL	Mono 2
## CTGATAGCACAGGAGT.1_10	YUFURL	TNKT 1
## CTGATAGTCACTGGGC.1_10	YUFURL	Mono 8
## CTGATAGTCAGCAACT.1_10	YUFURL	Mono 2
## CTGATCCAGGCATTGG.1_10	YUFURL	Mono 1
## CTGATCCAGTCAATAG.1_10	YUFURL	TNKT 1
## CTGATCCCAATCTACG.1_10	YUFURL	Mono 1
## CTGATCCGTCTTCAAG.1_10	YUFURL	Mono 7
## CTGCCTACACCCTATC.1_10	YUFURL	TNKT 2
## CTGCCTAGTAAGGGCT.1_10	YUFURL	NK 2
## CTGCCTATCAACACCA.1_10	YUFURL	Mono 1
## CTGCCTATCTGCGGCA.1_10	YUFURL	CD4T 7
## CTGCGGAAGGAGTTTA.1_10	YUFURL	Mono 8
## CTGCGGACATTACGAC.1_10	YUFURL	Mono 4
## CTGCGGATCAGGTTCA.1_10	YUFURL	Mono 7
## CTGCTGTAGCAATATG.1_10	YUFURL	NK 3

## CTGCTGTAGGACATTA.1_10	YUFURL	Mono 2
## CTGCTGTCAGCGATCC.1_10	YUFURL	TNKT 1
## CTGCTGTCATACAGCT.1_10	YUFURL	CD8T 1
## CTGCTGTGTAAGAGAG.1_10	YUFURL	CD4T 3
## CTGCTGTGTAGGGACT.1_10	YUFURL	Mono 2
## CTGGTCTAGCCAGGAT.1_10	YUFURL	CD8T 1
## CTGGTCTAGTACGATA.1_10	YUFURL	B 2
## CTGGTCTCACACATGT.1_10	YUFURL	DC 1
## CTGGTCTCATGGTCAT.1_10	YUFURL	NK 1
## CTGTGCTTCAAGGTAA.1_10	YUFURL	NK 1
## CTGTTTAAAGTGTGGCA.1_10	YUFURL	Mono 7
## CTGTTTAGTTTAGGAA.1_10	YUFURL	Mono 5
## CTGTTTATCACTATTC.1_10	YUFURL	Mono 4
## CTGTTTATCTTCTGGC.1_10	YUFURL	Mono 4
## CTTAACTAGTGAACGC.1_10	YUFURL	CD8T 1
## CTTACCGAGATGCCAG.1_10	YUFURL	CD4T 3
## CTTACCGGTACCGTTA.1_10	YUFURL	Mono 5
## CTTACCGGTGGGACA.1_10	YUFURL	Mono 7
## CTTAGGAAGTCCATAC.1_10	YUFURL	Mono 5
## CTTAGGAGTATCACCA.1_10	YUFURL	Mono 1
## CTTCTCTCAAGTTGTC.1_10	YUFURL	Mono 5
## CTTCTCTCATCCGTGG.1_10	YUFURL	NK 1
## CTTCTCTGTGCCTGGT.1_10	YUFURL	CD8T 1
## CTTGGCTGTAAAGTCA.1_10	YUFURL	TNKT 2
## CTTGGCTGTATAGTAG.1_10	YUFURL	CD8T 2
## CTTGGCTGTGTGACCC.1_10	YUFURL	CD8T 1
## CTTGGCTGTGTTTGGT.1_10	YUFURL	Mono 8
## CTTGGCTGTTGCTAA.1_10	YUFURL	NK 2
## CTTGGCTTCCATGAGT.1_10	YUFURL	NK 2
## GAAACTCTCCTAGGGC.1_10	YUFURL	CD4T 1
## GAACCTAAGCAGGCTA.1_10	YUFURL	Mono 9
## GAACCTACAAATTGCC.1_10	YUFURL	Mono 5
## GAACCTATCGTTGACA.1_10	YUFURL	Mono 2
## GAACGGACATCTATGG.1_10	YUFURL	CD4T 1
## GAAGCAGAGGACAGCT.1_10	YUFURL	B 2
## GAAGCAGCAACTGGCC.1_10	YUFURL	Mono 2
## GAAGCAGCAGCGATCC.1_10	YUFURL	Mono 5
## GAATAAGTCAGCCTAA.1_10	YUFURL	Mono 8
## GAATGAAAGAATGTTG.1_10	YUFURL	CD4T 7
## GAATGAAGTTCGTGAT.1_10	YUFURL	Mono 4
## GACACGCTCCGTAGTA.1_10	YUFURL	Mono 1
## GACAGAGTCAGCGATT.1_10	YUFURL	CD8T 1
## GACCTGGAGGCTATCT.1_10	YUFURL	Mono 8
## GACCTGGGTACCAATT.1_10	YUFURL	B 2
## GACGCGTTCAATCACG.1_10	YUFURL	CD4T 1
## GACGGCTCAACAACCT.1_10	YUFURL	Mono 2
## GACGGCTCATCCGCGA.1_10	YUFURL	Mono 4
## GACGTGCTCAGCTTAG.1_10	YUFURL	NK 1
## GACTAACTCCTAGAAC.1_10	YUFURL	Mono 2
## GACTAACTCTGCAGTA.1_10	YUFURL	CD8T 2
## GACTACAAGGTGCTTT.1_10	YUFURL	NK 1
## GACTACATCGCTTGTC.1_10	YUFURL	Mono 2
## GACTGCGCAAATCCGT.1_10	YUFURL	Mono 2
## GAGCAGAGTAAGTTCC.1_10	YUFURL	Mono 7

## GAGCAGATCGATAGAA.1_10	YUFURL	TNKT 1
## GAGGTGACATCAGTAC.1_10	YUFURL	Mono 2
## GAGGTGAGTCACAAGG.1_10	YUFURL	CD4T 5
## GAGTCCGGTAGCTAAA.1_10	YUFURL	NK 1
## GAGTCCGTCAAAGACA.1_10	YUFURL	Mono 3
## GAGTCCGTCAACCATG.1_10	YUFURL	Mono 9
## GATCAGTCAAGACGTG.1_10	YUFURL	CD8T 1
## GATCAGTTCCACTCCA.1_10	YUFURL	Mono 4
## GATCAGTTCTTGGGTA.1_10	YUFURL	Mono 9
## GATCGATGTCTAGGTT.1_10	YUFURL	CD8T 1
## GATCGATGTGCAACTT.1_10	YUFURL	Mono 7
## GATCGATTGAGCCCA.1_10	YUFURL	Mono 8
## GATCGCGTCCATTCTA.1_10	YUFURL	Mono 3
## GATCGCGTCTGCGACG.1_10	YUFURL	Mono 2
## GATCGTAAGGAGTAGA.1_10	YUFURL	Mono 3
## GATCGTACAAGAAAGG.1_10	YUFURL	CD8T 1
## GATCGTACAGTCCTTC.1_10	YUFURL	Mono 4
## GATCGTACATCACAAC.1_10	YUFURL	CD8T 1
## GATCTAGAGGTGCTAG.1_10	YUFURL	CD4T 5
## GATCTAGGTTATGCGT.1_10	YUFURL	NK 3
## GATCTAGTCTGAGGGA.1_10	YUFURL	TNKT 1
## GATGAAAAGAGTAATC.1_10	YUFURL	CD4T 5
## GATGAGGCATAAGACA.1_10	YUFURL	TNKT 2
## GATGAGGGTCCTCCAT.1_10	YUFURL	Mono 9
## GATGAGGGTTAAAGTG.1_10	YUFURL	CD8T 1
## GATGAGGTCAGCAACT.1_10	YUFURL	Mono 1
## GATGAGGTCCACGAAT.1_10	YUFURL	Mono 7
## GATGCTATCACTCTTA.1_10	YUFURL	TNKT 2
## GATTCAGAGACTACAA.1_10	YUFURL	Mono 5
## GATTCAGGTCTAAAGA.1_10	YUFURL	Mono 2
## GCAAACTAGCTGGAAC.1_10	YUFURL	Mono 8
## GCAATCAAGAACAAC.1_10	YUFURL	Mono 4
## GCACATACACAAGCCC.1_10	YUFURL	Mono 5
## GCACATAGTCCGAATT.1_10	YUFURL	CD4T 5
## GCACATATCCTAGGGC.1_10	YUFURL	Mono 1
## GCACTCTAGATGCCTT.1_10	YUFURL	Mono 5
## GCAGCCAAGGAGTTGC.1_10	YUFURL	Mono 3
## GCAGCCAAGGGATGGG.1_10	YUFURL	Mono 7
## GCAGCCAGTATGAATG.1_10	YUFURL	CD4T 7
## GCAGCCAGTCAATGTC.1_10	YUFURL	CD8T 1
## GCAGCCATCTCTGCTG.1_10	YUFURL	Mono 9
## GCAGTTACAAGCTGGA.1_10	YUFURL	Mono 5
## GCAGTTACACAGCGTC.1_10	YUFURL	Mono 7
## GCAGTTACACTGCCAG.1_10	YUFURL	Mono 2
## GCAGTTACAGATGGGT.1_10	YUFURL	TNKT 1
## GCAGTTATCTATCCTA.1_10	YUFURL	CD4T 4
## GCATACAAGACTAGGC.1_10	YUFURL	Mono 8
## GCATGATCACACCGAC.1_10	YUFURL	Mono 8
## GCATGATGTCGACTGC.1_10	YUFURL	Mono 7
## GCATGCGTCAAGCCTA.1_10	YUFURL	B 2
## GCATGTAAGTTCGCGC.1_10	YUFURL	Mono 3
## GCATGTACAAGACGTG.1_10	YUFURL	DC 1
## GCATGTATCCTACAGA.1_10	YUFURL	Mono 3
## GCCAAATAGTTCCACA.1_10	YUFURL	CD8T 1

## GCCAAATCACGAAATA.1_10	YUFURL	Mono 3
## GCCAAATTCACCATAG.1_10	YUFURL	Mono 8
## GCCTCTACAATCCGAT.1_10	YUFURL	Mono 7
## GCCTCTACAGCCTTGG.1_10	YUFURL	Mono 1
## GCCTCTAGTTCAGTAC.1_10	YUFURL	Mono 8
## GCGACCACATATGAGA.1_10	YUFURL	Mono 3
## GCGACCATCCCGACTT.1_10	YUFURL	Mono 5
## GCGAGAAAGACTAGGC.1_10	YUFURL	B 2
## GCGCAACAGTCGTA CT.1_10	YUFURL	NK 3
## GCGCAGTAGCCGTCGT.1_10	YUFURL	B 1
## GCGCAGTAGTTGAGAT.1_10	YUFURL	Mono 1
## GCGCAGTCAAGAAGAG.1_10	YUFURL	Mono 8
## GCGCAGTCACAGAGGT.1_10	YUFURL	TNKT 1
## GCGCCAAGTCTTGATG.1_10	YUFURL	B 2
## GCGCCAAGTTCACGGC.1_10	YUFURL	Mono 3
## GCGCGATAGGCGCTCT.1_10	YUFURL	Mono 4
## GCGCGATGTGTTAAGA.1_10	YUFURL	Mono 5
## GCGCGATTCTGCAGTA.1_10	YUFURL	TNKT 2
## GCTCCTAAGGTGCAAC.1_10	YUFURL	NK 2
## GCTCCTAGTGTGTGCC.1_10	YUFURL	NK 2
## GCTCCTATCCAGATCA.1_10	YUFURL	Mono 7
## GCTCCTATCTATCCTA.1_10	YUFURL	CD4T 7
## GCTCTGTAGCTATGCT.1_10	YUFURL	DC 1
## GCTCTGTCACACATGT.1_10	YUFURL	Mono 4
## GCTGCAGGTCGTCTTC.1_10	YUFURL	Mono 8
## GCTGCTTCAGGTGCCT.1_10	YUFURL	B 2
## GCTGCTTCAGTCGTGC.1_10	YUFURL	Mono 9
## GCTGCTTTCATTATCC.1_10	YUFURL	NK 2
## GCTGCTTCTACGAGT.1_10	YUFURL	Mono 4
## GCTGCTTCTGTCAAG.1_10	YUFURL	Mono 9
## GCTGGGTAGCTAGGCA.1_10	YUFURL	NK 1
## GCTGGGTACCCAGTG.1_10	YUFURL	Mono 9
## GCTGGGTGTCTGCGGT.1_10	YUFURL	Mono 5
## GCTTCCAGTCCCGACA.1_10	YUFURL	TNKT 1
## GCTTCCAGTCCGAAGA.1_10	YUFURL	Mono 5
## GCTTCCAGTGAAGGCT.1_10	YUFURL	Mono 8
## GCTTCCAGTTCGCTAA.1_10	YUFURL	CD4T 5
## GCTTGAAGTGA CT CAT.1_10	YUFURL	Mono 5
## GGAAAGCAGCCTCGTG.1_10	YUFURL	CD4T 4
## GGAAAGCAGTG TACTC.1_10	YUFURL	NK 2
## GGAAAGCGTTAGAACA.1_10	YUFURL	Mono 7
## GGA ACTTAGTCCGTAT.1_10	YUFURL	CD4T 3
## GGA ACTTCATGGTCTA.1_10	YUFURL	Mono 8
## GGA ACTTTCTACTCAT.1_10	YUFURL	CD4T 7
## GGA ACTTTCTAGAGTC.1_10	YUFURL	TNKT 2
## GGAATAAAGCCTTGAT.1_10	YUFURL	Mono 7
## GGAATAAGTCCGTCT.1_10	YUFURL	CD4T 2
## GGAATAATCTGAAAGA.1_10	YUFURL	CD8T 1
## GGACAAGGTCCAGTGC.1_10	YUFURL	CD8T 1
## GGACAAGGTCAGGCC.1_10	YUFURL	CD8T 1
## GGACAAGTCAGGATCT.1_10	YUFURL	Mono 9
## GGACAGAGTAGGACAC.1_10	YUFURL	B 2
## GGACATTTCCCGGATG.1_10	YUFURL	CD4T 2
## GGACGTCCATCCCACT.1_10	YUFURL	CD8T 1

## GGACGTCTCCTGCCAT.1_10	YUFURL	CD4T 6
## GGAGCAACATACGCCG.1_10	YUFURL	Mono 4
## GGAGCAAGTCCAGTGC.1_10	YUFURL	DC 1
## GGAGCAAGTGACTACT.1_10	YUFURL	NK 2
## GGAGCAAGTTGGAGGT.1_10	YUFURL	B 2
## GGATGTTTCTAAGCCA.1_10	YUFURL	B 2
## GGCAATTAGAGCTGGT.1_10	YUFURL	Mono 5
## GGCCGATAGTGACTCT.1_10	YUFURL	Mono 9
## GGCCGATTCTTACCTA.1_10	YUFURL	CD4T 4
## GGCGACTAGGCAGTCA.1_10	YUFURL	Mono 7
## GGCGACTAGTCGCCGT.1_10	YUFURL	CD4T 1
## GGCGACTCAGGAACGT.1_10	YUFURL	B 2
## GGCGACTCATTTCACT.1_10	YUFURL	Mono 3
## GGCGACTGTTGAACTC.1_10	YUFURL	Mono 7
## GGCGTGTGTCTTGCGG.1_10	YUFURL	Mono 8
## GGCGTGTTCCTTGTG.1_10	YUFURL	CD4T 5
## GGCTCGACACAGACTT.1_10	YUFURL	Mono 4
## GGCTCGATCGATCCCT.1_10	YUFURL	B 1
## GGCTGGTCAATACGCT.1_10	YUFURL	Mono 5
## GGCTGGTGTACAGACG.1_10	YUFURL	B 2
## GGCTGGTGTGAGGGAG.1_10	YUFURL	NK 2
## GGGAATGCACTGTCCG.1_10	YUFURL	CD8T 1
## GGGAATGCAGACGCTC.1_10	YUFURL	Mono 1
## GGGAATGGTACCATCA.1_10	YUFURL	NK 2
## GGGAATGGTCCACAA.1_10	YUFURL	NK 2
## GGGACCTAGTTTGCCT.1_10	YUFURL	Mono 2
## GGGAGATAGGCTATCT.1_10	YUFURL	NK 1
## GGGAGATGTCCGTAA.1_10	YUFURL	Mono 8
## GGGAGATGTGTATGGG.1_10	YUFURL	Mono 8
## GGGAGATTCCTTAATC.1_10	YUFURL	NK 1
## GGGAGATTCGATGAGG.1_10	YUFURL	CD4T 3
## GGGATGAAGATGTTAG.1_10	YUFURL	NK 1
## GGGATGAGTCTGGAGA.1_10	YUFURL	Mono 5
## GGGATGAGTGATGCCC.1_10	YUFURL	Mono 5
## GGGATGAGTGGACGAT.1_10	YUFURL	NK 2
## GGGCACTGTAGTAGTA.1_10	YUFURL	NK 2
## GGGCACTTCCAAGTAC.1_10	YUFURL	DC 1
## GGGCACTTCGAATGGG.1_10	YUFURL	Mono 7
## GGGCATCAGGTGATTA.1_10	YUFURL	NK 3
## GGGCATCGTTCCCGAG.1_10	YUFURL	Mono 7
## GGGCATCTCGCCCTTA.1_10	YUFURL	Mono 1
## GGGTCTGCACAACGCC.1_10	YUFURL	NK 1
## GGGTTGCCAAATCCGT.1_10	YUFURL	NK 1
## GGGTTGCCATGGGACA.1_10	YUFURL	Mono 8
## GGTATTGGTGAGTATA.1_10	YUFURL	Mono 3
## GGTATTGTCAGCGATT.1_10	YUFURL	CD4T 7
## GGTGCGTAGCAGCGTA.1_10	YUFURL	Mono 7
## GGTGCGTGTCTTGATG.1_10	YUFURL	Mono 5
## GGTGTTACATAGGATA.1_10	YUFURL	Mono 2
## GGTGTTACATGGTCTA.1_10	YUFURL	CD8T 1
## GGTGTTATCAACACCA.1_10	YUFURL	NK 1
## GGTGTTATCGATCCCT.1_10	YUFURL	Mono 4
## GTAACGTTACATAGC.1_10	YUFURL	CD8T 1
## GTAACGTTCTTGCAAT.1_10	YUFURL	NK 4

##	GTAAGTGCACACAGAG.1_10	YUFURL	Mono	8
##	GTACGTATCTGTGCAA.1_10	YUFURL	Mono	7
##	GTACTTTTACCTCGTT.1_10	YUFURL	NK	2
##	GTACTTTGTACCTACA.1_10	YUFURL	Mono	3
##	GTACTTTGTCTCAACA.1_10	YUFURL	Mono	8
##	GTACTTTTCGTAGATC.1_10	YUFURL	CD4T	7
##	GTAGGCCGTCGGCATC.1_10	YUFURL	NK	2
##	GTAGTCAAGGGTTTCT.1_10	YUFURL	Mono	3
##	GTATCTTAGGGAGTAA.1_10	YUFURL	CD4T	6
##	GTATCTTCACAACTGT.1_10	YUFURL	NK	2
##	GTCAGTCATTGCGGC.1_10	YUFURL	NK	3
##	GTCAGTTCCACGTTT.1_10	YUFURL	Mono	5
##	GTCACAAGTCACAAGG.1_10	YUFURL	NK	1
##	GTCACGGGTAAAGTCA.1_10	YUFURL	Mono	8
##	GTCACGGTCTCGGACG.1_10	YUFURL	Mono	5
##	GTCATTTAGGTCATCT.1_10	YUFURL	Mono	5
##	GTCGTAAAGATGTCGG.1_10	YUFURL	CD8T	1
##	GTCGTAAACAAACAACA.1_10	YUFURL	Mono	5
##	GTCTCGTAGAGAACAG.1_10	YUFURL	NK	3
##	GTCTCGTCACTGTTAG.1_10	YUFURL	Mono	4
##	GTCTTCGTACACAGGC.1_10	YUFURL	NK	2
##	GTCTTCGTCTCAACTT.1_10	YUFURL	Mono	2
##	GTGAAGGCAGGTTTCA.1_10	YUFURL	NK	2
##	GTGAAGGGTAGGAGTC.1_10	YUFURL	Mono	8
##	GTGAAGGTCAGAGGTG.1_10	YUFURL	Mono	4
##	GTGAAGGTCGGAGGTA.1_10	YUFURL	CD4T	3
##	GTGCAGCAGTTACCCA.1_10	YUFURL	Mono	5
##	GTGCAGCGTGGTCTCG.1_10	YUFURL	CD4T	1
##	GTGCGGTAGATGCGAC.1_10	YUFURL	B	2
##	GTGCGGTAGCGTTGCC.1_10	YUFURL	Mono	7
##	GTGCGGTCACATAACC.1_10	YUFURL	Mono	4
##	GTGCGGTCAGCAGTTT.1_10	YUFURL	Mono	7
##	GTGCGGTGTTCCGTCT.1_10	YUFURL	Mono	3
##	GTGGGTCAGGGATCTG.1_10	YUFURL	Mono	1
##	GTGGGTCAGGGCTTCC.1_10	YUFURL	CD4T	4
##	GTGGGTCCAATCGAAA.1_10	YUFURL	Mono	5
##	GTGGGTCCAGGAATGC.1_10	YUFURL	Mono	7
##	GTGTTAGAGCATGGCA.1_10	YUFURL	CD4T	6
##	GTGTTAGCAAGCGATG.1_10	YUFURL	B	2
##	GTGTTAGGTAGCCTAT.1_10	YUFURL	NK	2
##	GTTAAGCAGCCGGTAA.1_10	YUFURL	CD4T	7
##	GTTAAGCCAAGCGAGT.1_10	YUFURL	NK	2
##	GTTAAGCCACGGATAG.1_10	YUFURL	TNKT	1
##	GTTATTAGGGCTTGA.1_10	YUFURL	Mono	5
##	GTTATTAGTTACCCA.1_10	YUFURL	Mono	7
##	GTTATTTCATCGATTG.1_10	YUFURL	CD8T	1
##	GTTATTTCTTACCGC.1_10	YUFURL	CD8T	1
##	GTTCGGGAGCCCTAAT.1_10	YUFURL	DC	1
##	GTTCGGGGTAGGCTGA.1_10	YUFURL	NK	2
##	GTTCGGGGTCTAACGT.1_10	YUFURL	Mono	1
##	GTTCGGGTCACTTACT.1_10	YUFURL	Mono	3
##	GTTCGGGTCCTCGCAT.1_10	YUFURL	Mono	8
##	GTTCTCGGTAGCGTAG.1_10	YUFURL	Mono	9
##	GTTCTCGGTTGCCTCT.1_10	YUFURL	Mono	7

## GTTCTCGTCTTCAACT.1_10	YUFURL	Mono 1
## GTTTCTACAAGTGC.1_10	YUFURL	Mono 7
## GTTTCTACACGGCGTT.1_10	YUFURL	DC 1
## TAAACCGAGCTCAACT.1_10	YUFURL	CD4T 6
## TAAACCGAGGACCACA.1_10	YUFURL	Mono 3
## TAAACCGGTCATATGC.1_10	YUFURL	Mono 7
## TAAACCGGTTACTGAC.1_10	YUFURL	Mono 2
## TAAGAGAAGCAGCCTC.1_10	YUFURL	Mono 5
## TAAGCGTAGCACCCTC.1_10	YUFURL	Mono 2
## TAAGCGTCAAAGAATC.1_10	YUFURL	Mono 7
## TAAGCGTGTGGTAACG.1_10	YUFURL	Mono 4
## TAAGCGTTCAACACTG.1_10	YUFURL	NK 3
## TACACGAAGCCCTAAT.1_10	YUFURL	CD4T 6
## TACACGAAGCGCCTCA.1_10	YUFURL	Mono 7
## TACAGTGCAATGCCAT.1_10	YUFURL	NK 1
## TACAGTGCACACCGCA.1_10	YUFURL	Mono 4
## TACAGTGGTCAAAGCG.1_10	YUFURL	CD8T 1
## TACAGTGTGCTCTGAA.1_10	YUFURL	Mono 4
## TACCTATAGGCTCAGA.1_10	YUFURL	CD8T 1
## TACCTATGTCATGCAT.1_10	YUFURL	Mono 8
## TACCTATTGAGCGATT.1_10	YUFURL	NK 1
## TACCTTAAGCAGCCTC.1_10	YUFURL	CD4T 2
## TACCTTAAGCTCCTCT.1_10	YUFURL	Mono 7
## TACCTTAAGTGAACGC.1_10	YUFURL	Mono 7
## TACGGATAGGCGTACA.1_10	YUFURL	CD4T 4
## TACGGGCTCACTTCAT.1_10	YUFURL	B 2
## TACGGTAAGGTTCTTA.1_10	YUFURL	B 2
## TACGGTACAGCATACT.1_10	YUFURL	DC 1
## TACGGTAGTAGCTAAA.1_10	YUFURL	CD8T 1
## TACTCATGTATCTGCA.1_10	YUFURL	TNKT 1
## TACTCATTCATGGTCA.1_10	YUFURL	CD4T 7
## TACTCGCAGTGAAGAG.1_10	YUFURL	Mono 9
## TACTTACAGTAGCCGA.1_10	YUFURL	Mono 8
## TACTTACGTACCGGCT.1_10	YUFURL	Mono 4
## TACTTACGTGGTCCGT.1_10	YUFURL	NK 3
## TACTTACTCTATCGCC.1_10	YUFURL	B 1
## TACTTGTGTCGCTTTC.1_10	YUFURL	CD8T 1
## TAGAGCTGTACACGC.1_10	YUFURL	CD8T 1
## TAGCCGGGTTCCACAA.1_10	YUFURL	NK 1
## TAGGCATAGACAGGCT.1_10	YUFURL	Mono 7
## TAGGCATAGACTGGGT.1_10	YUFURL	CD8T 1
## TAGTGGTGTCCACTC.1_10	YUFURL	CD8T 1
## TAGTGGTTCCAGAGGA.1_10	YUFURL	Mono 8
## TAGTTGGAGAGCTGCA.1_10	YUFURL	Mono 2
## TAGTTGGGTCCAGTGC.1_10	YUFURL	Mono 3
## TAGTTGGTCTCTGAGA.1_10	YUFURL	Mono 4
## TATCAGGTCATGCTCC.1_10	YUFURL	Mono 1
## TATCAGGTCATTGCCC.1_10	YUFURL	CD8T 1
## TATCTCAGTCGACTGC.1_10	YUFURL	NK 1
## TATCTCATCGGAGCAA.1_10	YUFURL	CD4T 5
## TATGCCCAGGTAGCCA.1_10	YUFURL	Mono 4
## TATGCCCCACGTTGGC.1_10	YUFURL	CD8T 1
## TATGCCCCATGTTGAC.1_10	YUFURL	NK 1
## TATGCCCTCCTAAGTG.1_10	YUFURL	TNKT 2

## TATTACCAGAACTCGG.1_10	YUFURL	CD8T 1
## TATTACCAGGGTGTGT.1_10	YUFURL	CD8T 1
## TATTACCGTTGAACTC.1_10	YUFURL	Mono 8
## TCAACGAAGGCGCTCT.1_10	YUFURL	Mono 2
## TCAACGAAGTCCATAC.1_10	YUFURL	Mono 4
## TCAATCTCAACACGCC.1_10	YUFURL	CD4T 3
## TCAATCTGTATATGAG.1_10	YUFURL	Mono 5
## TCACAAGCACACCGCA.1_10	YUFURL	CD4T 3
## TCACAAGCACCAGGCT.1_10	YUFURL	CD8T 1
## TCAGATGCAAGCTGTT.1_10	YUFURL	Mono 2
## TCAGCAACATTGTGCA.1_10	YUFURL	Mono 2
## TCAGCTCCAGCCTGTG.1_10	YUFURL	Mono 2
## TCAGGATCAATCCGAT.1_10	YUFURL	Mono 1
## TCAGGATCACAACGT.1_10	YUFURL	Mono 7
## TCAGGATTCACGATGT.1_10	YUFURL	Mono 4
## TCAGGTACACGCGAAA.1_10	YUFURL	Mono 5
## TCAGGTAGTAAGTTCC.1_10	YUFURL	Mono 5
## TCAGGTATCGTAGATC.1_10	YUFURL	NK 1
## TCATTACAGAAGCCCA.1_10	YUFURL	CD4T 5
## TCATTACAGGGATACC.1_10	YUFURL	CD8T 1
## TCATTTGAGCTGTCTA.1_10	YUFURL	CD8T 1
## TCATTTGAGTCCATAC.1_10	YUFURL	Mono 7
## TCCACACGTCTCTCTG.1_10	YUFURL	Mono 8
## TCCACACTACTATTC.1_10	YUFURL	CD8T 1
## TCCACACTCCACGCAG.1_10	YUFURL	Mono 3
## TCCCGATAGGACTGGT.1_10	YUFURL	Mono 4
## TCCCGATTCCGTACAA.1_10	YUFURL	Mono 9
## TCGAGGCAGCTGCCCA.1_10	YUFURL	Mono 3
## TCGAGGCAGTTCGCAT.1_10	YUFURL	CD8T 1
## TCGAGGCGTGTTAAGA.1_10	YUFURL	CD4T 7
## TCGCGAGAGAGCCCAA.1_10	YUFURL	Mono 8
## TCGCGAGAGAGGACGG.1_10	YUFURL	Mono 7
## TCGCGAGGTCGGCACT.1_10	YUFURL	Mono 3
## TCGCGAGGTTCTGGTA.1_10	YUFURL	Mono 4
## TCGCGAGTCAATACCG.1_10	YUFURL	CD8T 2
## TCGCGTTTCACGGTTTA.1_10	YUFURL	Mono 8
## TCGCGTTGTACCGGCT.1_10	YUFURL	NK 2
## TCGCGTTGTGATAAAC.1_10	YUFURL	DC 1
## TCGCGTTTTCACGCGGT.1_10	YUFURL	Mono 5
## TCGCGTTTTCGCCATAA.1_10	YUFURL	CD8T 1
## TCGGGACTCAGATAAG.1_10	YUFURL	CD8T 1
## TCGGTAAAGGGTTCCC.1_10	YUFURL	Mono 5
## TCGGTAAAGTAGGCCA.1_10	YUFURL	Mono 1
## TCGGTAAAGTCAAGGC.1_10	YUFURL	Mono 9
## TCGGTAAACAGGTTTCA.1_10	YUFURL	CD8T 1
## TCGTAGATCTGTCTCG.1_10	YUFURL	TNKT 2
## TCTATTGAGACTTGAA.1_10	YUFURL	Mono 7
## TCTATTGGTAAGTGTA.1_10	YUFURL	Mono 2
## TCTATTGTCTCTTATG.1_10	YUFURL	CD4T 3
## TCTGAGAGTGAGGGTT.1_10	YUFURL	CD8T 1
## TCTGGAATCTCTGAGA.1_10	YUFURL	NK 1
## TCTGGAATCTGCGGCA.1_10	YUFURL	NK 3
## TCTTCGGGTCATCGGC.1_10	YUFURL	NK 2
## TCTTCGGTCGTTTGCC.1_10	YUFURL	Mono 5

## TCTTTCCAGCTGATAA.1_10	YUFURL	Mono 7
## TGAAAGAAGAGCCCAA.1_10	YUFURL	Mono 7
## TGAAAGAAGGGCTTCC.1_10	YUFURL	Mono 4
## TGAAAGAGTACCGAGA.1_10	YUFURL	NK 4
## TGACAACGTTCGGCAC.1_10	YUFURL	Mono 5
## TGACGGCCAGGGATTG.1_10	YUFURL	Mono 8
## TGA CTAGAGAGTAATC.1_10	YUFURL	NK 1
## TGA CTAGAGTGTTGAA.1_10	YUFURL	Mono 8
## TGA CTAGCACAACGTT.1_10	YUFURL	DC 1
## TGA CTTTTCGTATCAG.1_10	YUFURL	Mono 2
## TGAGAGGCACACCGCA.1_10	YUFURL	TNKT 2
## TGAGAGGCAGTACACT.1_10	YUFURL	NK 1
## TGAGCCGAGCCAGTTT.1_10	YUFURL	NK 3
## TGAGCCGAGTCTTGCA.1_10	YUFURL	B 2
## TGAGGGAAGCCTATGT.1_10	YUFURL	Mono 5
## TGCACCTGTACTCAAC.1_10	YUFURL	Mono 4
## TGCACCTGTCTGGAGA.1_10	YUFURL	TNKT 1
## TGCACCTGTTACAGAA.1_10	YUFURL	CD8T 1
## TGCCAAAAGCTAGGCA.1_10	YUFURL	CD8T 1
## TGCCAAACAGTCGATT.1_10	YUFURL	Mono 5
## TGCCAAATCACGCATA.1_10	YUFURL	CD4T 5
## TGCCCATAGACCTTTG.1_10	YUFURL	Mono 7
## TGCCCATGTTTAGGAA.1_10	YUFURL	Mono 5
## TGCCCATCCCTGACT.1_10	YUFURL	NK 2
## TGCCCTAAGACATAAC.1_10	YUFURL	TNKT 2
## TGCGCAGCAATGTTGC.1_10	YUFURL	Mono 8
## TGCGCAGGTGTGGTTT.1_10	YUFURL	Mono 4
## TGCGCAGTCAGTACGT.1_10	YUFURL	CD8T 1
## TGCGGGTCAGCAGTTT.1_10	YUFURL	TNKT 1
## TGCGGGTTCAGGCCCA.1_10	YUFURL	Mono 1
## TGCGTGGTCACATACG.1_10	YUFURL	CD8T 1
## TGCGTGGTCCAGAGGA.1_10	YUFURL	TNKT 1
## TGCTGCTTCTTAGAGC.1_10	YUFURL	Mono 5
## TGGACGCCAAGTAATG.1_10	YUFURL	B 3
## TGGCCAGGTCAATACC.1_10	YUFURL	CD4T 6
## TGGCCAGGTCGGGTCT.1_10	YUFURL	Mono 4
## TGGCGCAAGCTAGTTC.1_10	YUFURL	Mono 5
## TGGCGCAAGGGATAACC.1_10	YUFURL	Mono 2
## TGGCGCACACTCTGTC.1_10	YUFURL	CD4T 6
## TGGCTGGAGAAAACGCC.1_10	YUFURL	Mono 9
## TGGCTGGGTCCAGTTA.1_10	YUFURL	CD8T 1
## TGGCTGGTCGGATGTT.1_10	YUFURL	CD8T 1
## TGGGAAGCACTTCGAA.1_10	YUFURL	Mono 3
## TGGGCGTGTGATGTGG.1_10	YUFURL	Mono 7
## TGGGCGTTCAACGGCC.1_10	YUFURL	Mono 8
## TGGTTCCAGTCTCCTC.1_10	YUFURL	Mono 9
## TGTATTCCAGGATGGTC.1_10	YUFURL	Mono 8
## TGTATTCCAGGGCTTCC.1_10	YUFURL	Mono 4
## TGTATTCCAAGGTTTC.1_10	YUFURL	Mono 4
## TGTCCCAGTAGCTCCG.1_10	YUFURL	CD8T 1
## TGTGGTAAGAGTGAGA.1_10	YUFURL	CD4T 3
## TGTGGTACAATCCAAC.1_10	YUFURL	TNKT 2
## TGTGGTACAGTGAGTG.1_10	YUFURL	NK 2
## TGTGGTACATGTCGAT.1_10	YUFURL	Mono 4

## TGTGTTTAGCCCTAAT.1_10	YUFURL	DC 1
## TGTGTTTCAAGAAGAG.1_10	YUFURL	Mono 5
## TGTGTTTTCAACGCTA.1_10	YUFURL	CD8T 1
## TGTTCCGGTAGCTTGT.1_10	YUFURL	Mono 4
## TTAActCCAATAAGCA.1_10	YUFURL	CD8T 1
## TTAActCCAGCTATTG.1_10	YUFURL	Mono 4
## TTAActCCATGAAGTA.1_10	YUFURL	Mono 5
## TTAActCGTAGCCTCG.1_10	YUFURL	TNKT 1
## TTAGGACGTTAGTGGG.1_10	YUFURL	Mono 8
## TTAGGCAAGCAGATCG.1_10	YUFURL	CD8T 1
## TTAGGCAAGTCGTTTG.1_10	YUFURL	DC 1
## TTAGGCATCACCAGGC.1_10	YUFURL	Mono 7
## TTAGGCATCTCCAGGG.1_10	YUFURL	Mono 3
## TTAGTTCAGCGAGAAA.1_10	YUFURL	Mono 5
## TTAGTTCATTTCGACA.1_10	YUFURL	Mono 7
## TTATGCTTCCGAAGAG.1_10	YUFURL	Mono 8
## TTCCCAGCAGATGGGT.1_10	YUFURL	CD4T 3
## TTCCCAGGTGAACCTT.1_10	YUFURL	Mono 8
## TTCCCAGGTGGTCTCG.1_10	YUFURL	NK 3
## TTCCCAGTCCATTCTA.1_10	YUFURL	Mono 3
## TTCGGTCAGTGATCGG.1_10	YUFURL	Mono 1
## TTCGGTCCATGCCCGA.1_10	YUFURL	DC 1
## TTCGGTCGTA CTGCG.1_10	YUFURL	TNKT 2
## TTCGGTCTCACCAGGC.1_10	YUFURL	NK 2
## TTCTACAAGCCCAATT.1_10	YUFURL	CD8T 1
## TTCTACATCACAACGT.1_10	YUFURL	Mono 2
## TTCTCAACAAAGCGGT.1_10	YUFURL	CD4T 7
## TTCTCAACAATGGATA.1_10	YUFURL	Mono 9
## TTCTCAAGTATAAACG.1_10	YUFURL	Mono 4
## TTCTCAAGTTCCACGG.1_10	YUFURL	CD8T 1
## TTCTTAGTCTCGGACG.1_10	YUFURL	CD8T 1
## TTGACTTAGAAGGGTA.1_10	YUFURL	Mono 3
## TTGACTTGTTTGACAC.1_10	YUFURL	Mono 8
## TTGCCGTGTGCAGGTA.1_10	YUFURL	CD4T 2
## TTGCCGT CAGGAGTACC.1_10	YUFURL	Mono 7
## TTGCCGT CAGGTTACCT.1_10	YUFURL	TNKT 2
## TTGCCGT CAGTTGAGAT.1_10	YUFURL	Mono 5
## TTTACTGTCAATCTCT.1_10	YUFURL	Mono 4
## TTTATGCAGCATCATC.1_10	YUFURL	Mono 2
## TTTATGCCACGGTAGA.1_10	YUFURL	NK 3
## TTTCTCTCAGTGTGAA.1_10	YUFURL	Mono 3
## TTTCTCTCTCTCAACC.1_10	YUFURL	Mono 9
## TTTGCGCCAATGGACG.1_10	YUFURL	Mono 3
## TTTGCGCCATTAACCG.1_10	YUFURL	CD8T 1
## TTTGCGCGTTCGTTGA.1_10	YUFURL	TNKT 1
## TTTGGTTTCTAACTTC.1_10	YUFURL	B 2
## TTTGT CACATCGATTG.1_10	YUFURL	Mono 8
## TTTGT CAGTAGCGCTC.1_10	YUFURL	CD8T 1
## TTTGT CATCCGAGCCA.1_10	YUFURL	Mono 7
## AAACCTGGTTGCGTTA.1_11	YUTORY	Mono 2
## AAACGGGCAGATCGGA.1_11	YUTORY	Mono 8
## AAAGTAGCAACACCTA.1_11	YUTORY	Mono 4
## AACACGTGTGCGCTTG.1_11	YUTORY	NK 1
## AACACGTTCACGACG.1_11	YUTORY	B 2

## AACCATGAGCAGCCTC.1_11	YUTORY	Mono 4
## AACCATGGTCCTGCTT.1_11	YUTORY	B 2
## AACCATGTCCACTCCA.1_11	YUTORY	Mono 9
## AACGTTGAGAGCCCAA.1_11	YUTORY	CD4T 5
## AACGTTGGTGTAACGG.1_11	YUTORY	CD8T 1
## AACTCAGGTTCCGGCA.1_11	YUTORY	Mono 8
## AACTCAGTCGGAATCT.1_11	YUTORY	CD8T 1
## AACTCCCCATGGGACA.1_11	YUTORY	CD8T 1
## AACTCCCTCATCATTC.1_11	YUTORY	Mono 7
## AAGACCTAGGTGGGTT.1_11	YUTORY	CD4T 5
## AAGGCAGGTGGCGAAT.1_11	YUTORY	CD4T 5
## AAGGTTCTCTCACATT.1_11	YUTORY	Mono 4
## AATCCAGAGATGGCGT.1_11	YUTORY	CD4T 3
## AATCGGTGTCCCTTGT.1_11	YUTORY	Mono 9
## ACACCAACAGGGATTG.1_11	YUTORY	NK 2
## ACACCCTAGATATGGT.1_11	YUTORY	CD8T 1
## ACACCCTGTGTTGAGG.1_11	YUTORY	CD4T 2
## ACACCGGAGTCCTCCT.1_11	YUTORY	NK 2
## ACACCGGGTAAGTAGT.1_11	YUTORY	NK 3
## ACAGCTAGTTCCAACA.1_11	YUTORY	Mono 4
## ACATCAGGTCGTTGTA.1_11	YUTORY	CD4T 5
## ACATCAGTCTCGTATT.1_11	YUTORY	Mono 5
## ACATGGTAGCTAGCCC.1_11	YUTORY	Mono 4
## ACATGGTGTGCACGAA.1_11	YUTORY	CD4T 5
## ACGATAACCAGACGCTC.1_11	YUTORY	CD4T 5
## ACGATACGTCTCGTTC.1_11	YUTORY	NK 3
## ACGATACTCATGGTCA.1_11	YUTORY	Mono 1
## ACGATACTCCTTAATC.1_11	YUTORY	NK 2
## ACGCAGCCACTAAGTC.1_11	YUTORY	CD4T 6
## ACGCCAGGTAAATGAC.1_11	YUTORY	Mono 4
## ACGCCGACAGCCTTTC.1_11	YUTORY	CD4T 7
## ACGGCCAGTCAGTGA.1_11	YUTORY	CD8T 1
## ACGGGTCCACGAAATA.1_11	YUTORY	Mono 5
## ACGTCAATCCATGCTC.1_11	YUTORY	NK 1
## ACTATCTAGGCCCTTG.1_11	YUTORY	Mono 1
## ACTATCTTCTAGCACA.1_11	YUTORY	NK 1
## ACTGAACAGGGTGTGT.1_11	YUTORY	Mono 9
## ACTGAACAGGTGATTA.1_11	YUTORY	CD8T 1
## ACTGAGTGTGCTAGCC.1_11	YUTORY	Mono 2
## ACTGAGTTCAATACCG.1_11	YUTORY	Mono 1
## ACTGATGAGGCACATG.1_11	YUTORY	CD4T 4
## ACTGATGGTAAGAGAG.1_11	YUTORY	CD4T 5
## ACTGTCCCATGGTTGT.1_11	YUTORY	CD8T 1
## ACTTACTCAAGCTGTT.1_11	YUTORY	CD8T 1
## ACTTACTCAGGATCGA.1_11	YUTORY	Mono 3
## ACTTTCACAGTAACGG.1_11	YUTORY	CD8T 1
## AGAGCGAAGCTGCAAG.1_11	YUTORY	CD4T 7
## AGAGCGAAGGCTAGCA.1_11	YUTORY	NK 1
## AGAGCGAGTAACGACG.1_11	YUTORY	NK 2
## AGAGTGGCAGGGATTG.1_11	YUTORY	NK 1
## AGCAGCCAGACTTGAA.1_11	YUTORY	Mono 3
## AGCAGCCTCTGGAGCC.1_11	YUTORY	Mono 1
## AGCATACGTAGGGTAC.1_11	YUTORY	CD8T 1
## AGCCTAAAGCGATATA.1_11	YUTORY	Mono 9

## AGCCTAACACCGATAT.1_11	YUTORY	CD8T 1
## AGCGGTCGTTCCGGCA.1_11	YUTORY	Mono 3
## AGCGTATTCTTCGAGA.1_11	YUTORY	Mono 5
## AGCGTCGGTCCAAGTT.1_11	YUTORY	Mono 8
## AGCTCCTTCTTGCAAG.1_11	YUTORY	Mono 2
## AGCTCTCAGCTTCGCG.1_11	YUTORY	NK 2
## AGGGAGTGTTGTTGG.1_11	YUTORY	Mono 9
## AGGGATGCAGTCGTGC.1_11	YUTORY	Mono 8
## AGGGTGAAGTGGAGTC.1_11	YUTORY	TNKT 1
## AGGGTGACAATGTTGC.1_11	YUTORY	NK 1
## AGGTCCGTCTGCTTGC.1_11	YUTORY	NK 1
## AGTAGTCGTATTACCG.1_11	YUTORY	Mono 5
## AGTCTTTTCAGCAACT.1_11	YUTORY	Mono 8
## AGTGAGGCAGACAGGT.1_11	YUTORY	CD4T 5
## AGTGGGAAGTGCCTGA.1_11	YUTORY	NK 1
## AGTGGGAGTACATCCA.1_11	YUTORY	CD8T 1
## AGTGTCACATGCAATC.1_11	YUTORY	Mono 2
## AGTGTCACATGGGAAC.1_11	YUTORY	Mono 5
## ATAAGAGGTGGGTATG.1_11	YUTORY	Mono 4
## ATAAGAGTCTACTCAT.1_11	YUTORY	Mono 9
## ATAGACCGTTGACGTT.1_11	YUTORY	CD4T 7
## ATCACGAAGGGTTCCC.1_11	YUTORY	Mono 8
## ATCATCTTCTCGTTTA.1_11	YUTORY	NK 4
## ATCATGGAGGTGATTA.1_11	YUTORY	CD4T 2
## ATCTGCCTCATTTGGG.1_11	YUTORY	Mono 4
## ATGGGAGCATAACCATG.1_11	YUTORY	Mono 9
## ATTATCCAGAGTACAT.1_11	YUTORY	TNKT 1
## ATTATCCAGTGA CTCT.1_11	YUTORY	Mono 4
## ATTCTACAGGTAGCTG.1_11	YUTORY	Mono 2
## CAACCAAGTACAGTTC.1_11	YUTORY	Mono 8
## CAACCAAGTACCGTTA.1_11	YUTORY	Mono 4
## CAACCTCAGATATACG.1_11	YUTORY	Mono 5
## CAACCTCCACGGATAG.1_11	YUTORY	Mono 7
## CAAGATCGTGCGGTAA.1_11	YUTORY	NK 2
## CAAGATCGTTGACGTT.1_11	YUTORY	NK 2
## CAAGGCCAGCTAGTCT.1_11	YUTORY	CD4T 7
## CAAGTTGAGGATGGTC.1_11	YUTORY	CD8T 1
## CACACAACAATGACCT.1_11	YUTORY	CD4T 6
## CACACAATCAACGGGA.1_11	YUTORY	Mono 7
## CACATTTAGCAGATCG.1_11	YUTORY	CD4T 5
## CACCACTTCGTCCAGG.1_11	YUTORY	Mono 4
## CACTCCAAGGTCATCT.1_11	YUTORY	Mono 7
## CAGAGAGCACAGCGTC.1_11	YUTORY	Mono 7
## CAGAGAGGTTACGTCA.1_11	YUTORY	CD8T 1
## CAGGTGCTCACATACG.1_11	YUTORY	Mono 4
## CAGTAACAGGCGTACA.1_11	YUTORY	CD4T 5
## CAGTAACCATCGGGTC.1_11	YUTORY	Mono 7
## CAGTCCTAGGGAAACA.1_11	YUTORY	Mono 7
## CAGTCCTAGTATCTCG.1_11	YUTORY	NK 2
## CATATGGCATAAGACA.1_11	YUTORY	Mono 5
## CATATGGCATTTACAG.1_11	YUTORY	CD4T 4
## CATCAAGAGCATCATC.1_11	YUTORY	TNKT 2
## CATCAAGAGGGCTTCC.1_11	YUTORY	CD8T 1
## CATCAAGTCTATCCCG.1_11	YUTORY	NK 1

## CATCAGATCTGCTGTC.1_11	YUTORY	Mono 1
## CATCCACAGGAATTAC.1_11	YUTORY	CD8T 1
## CATCGAACATGCAATC.1_11	YUTORY	Mono 4
## CATCGAATCAAACGGG.1_11	YUTORY	Mono 8
## CATCGGGCAAGGTTCT.1_11	YUTORY	CD4T 5
## CATCGGGGTGGGACA.1_11	YUTORY	NK 1
## CATGACAGTCGCGAAA.1_11	YUTORY	CD4T 6
## CATGACATCAGCTTAG.1_11	YUTORY	Mono 7
## CATGCCTAGGTGATAT.1_11	YUTORY	CD4T 4
## CATTGCGTAGCGTCC.1_11	YUTORY	CD4T 2
## CATTGCTCTGTCCGT.1_11	YUTORY	Mono 4
## CCAATCCCATCGGAAG.1_11	YUTORY	NK 1
## CCAATCCGTACCGAGA.1_11	YUTORY	NK 3
## CCAATCCTCGGGAGTA.1_11	YUTORY	CD4T 7
## CCACCTACACATCCGG.1_11	YUTORY	Mono 7
## CCACCTAGTCCACTC.1_11	YUTORY	CD4T 5
## CCACGGACACTCAGGC.1_11	YUTORY	NK 1
## CCACTACGTCTGCAAT.1_11	YUTORY	CD4T 3
## CCAGCGAAGATAGCAT.1_11	YUTORY	CD4T 1
## CCCAGTTTCGCCTGAG.1_11	YUTORY	NK 1
## CCGTACTGTCTAGTCA.1_11	YUTORY	TNKT 1
## CCGTACTTCCGATATG.1_11	YUTORY	B 2
## CCGTACTTCGGAGCAA.1_11	YUTORY	CD8T 1
## CCGTTCAGTCAATACC.1_11	YUTORY	Mono 5
## CCTAAAGAGACACTAA.1_11	YUTORY	CD8T 1
## CCTACCAGTCTGATTG.1_11	YUTORY	Mono 4
## CCTAGCTAGTCGATAA.1_11	YUTORY	NK 3
## CCTCTGAGTAGCGTGA.1_11	YUTORY	CD8T 1
## CCTCTGAGTCCAGTTA.1_11	YUTORY	NK 2
## CCTCTGAGTGAGGCTA.1_11	YUTORY	Mono 7
## CCTTACGTCAACGGGA.1_11	YUTORY	CD4T 1
## CCTTCGAGTGGTTTCA.1_11	YUTORY	B 3
## CCTTTCTAGCAACGGT.1_11	YUTORY	CD4T 5
## CCTTTCTTCTCGTATT.1_11	YUTORY	CD4T 7
## CGAATGTAGTGGGTTG.1_11	YUTORY	Mono 8
## CGAATGTCATGGTCTA.1_11	YUTORY	NK 1
## CGACCTTAGAGTACAT.1_11	YUTORY	NK 4
## CGACCTTAGCGTTAT.1_11	YUTORY	CD4T 5
## CGACCTTTCTGAGGGA.1_11	YUTORY	TNKT 1
## CGACTTCCAAGTTGTC.1_11	YUTORY	NK 2
## CGAGAAGGTCAGGACA.1_11	YUTORY	NK 3
## CGAGCCACAGATAATG.1_11	YUTORY	Mono 5
## CGAGCCACATGGAATA.1_11	YUTORY	TNKT 1
## CGATTGAAGACATAAC.1_11	YUTORY	Mono 7
## CGATTGACATTCCTCG.1_11	YUTORY	NK 3
## CGCCAAGGTGCAGGTA.1_11	YUTORY	CD8T 1
## CGCGGTAAGGCGCTCT.1_11	YUTORY	Mono 9
## CGGACACCAAAGAATC.1_11	YUTORY	NK 1
## CGGACACGTAGCGCTC.1_11	YUTORY	CD8T 1
## CGGAGTCGTCAGAATA.1_11	YUTORY	Mono 4
## CGGTTAATCTTCGAGA.1_11	YUTORY	NK 1
## CGTCAGGGTCGAGTTT.1_11	YUTORY	Mono 9
## CGTCTACGTAATCACC.1_11	YUTORY	Mono 8
## CGTGTCTCAGGACGTA.1_11	YUTORY	CD8T 1

## CGTTAGACAAGAAAGG.1_11	YUTORY	NK 1
## CGTTCTGGTACCGCTG.1_11	YUTORY	NK 3
## CTAACCTTTCATGTCCC.1_11	YUTORY	B 2
## CTAATGGAGCACCGTC.1_11	YUTORY	Mono 8
## CTACATTGTCGCGAAA.1_11	YUTORY	CD8T 1
## CTACCCAAGTACGACG.1_11	YUTORY	NK 1
## CTACCCACACCTATCC.1_11	YUTORY	Mono 8
## CTACCCACACGGTGTC.1_11	YUTORY	CD8T 1
## CTACCCATCCGCGCAA.1_11	YUTORY	Mono 9
## CTAGAGTCAGACACTT.1_11	YUTORY	Mono 2
## CTAGAGTCATACAGCT.1_11	YUTORY	CD4T 5
## CTAGTGATCAGAAATG.1_11	YUTORY	CD8T 1
## CTCACACCACGGCGTT.1_11	YUTORY	NK 3
## CTCACACGTGACGGTA.1_11	YUTORY	CD4T 5
## CTCGAAACAAACGCGA.1_11	YUTORY	CD8T 1
## CTCGGAAGAATCTCC.1_11	YUTORY	Mono 5
## CTCGTACGTTGGGACA.1_11	YUTORY	Mono 5
## CTCGTACTCGTACGGC.1_11	YUTORY	Mono 3
## CTCGTCAAGTACGTAA.1_11	YUTORY	Mono 8
## CTCTAATGTTTGTTC.1_11	YUTORY	NK 2
## CTCTGGTAGGAATTAC.1_11	YUTORY	B 2
## CTGAAACTACCTCGT.1_11	YUTORY	Mono 4
## CTGAAGTAGAGGGCTT.1_11	YUTORY	NK 3
## CTGAAGTAGGACAGAA.1_11	YUTORY	CD8T 1
## CTGATAGCAGCATGAG.1_11	YUTORY	CD4T 6
## CTGCCTAGTCGCTTTC.1_11	YUTORY	NK 2
## CTGCGGAAGAGTGACC.1_11	YUTORY	DC 1
## CTGCGGATCGGGAGTA.1_11	YUTORY	Mono 7
## CTGGTCTTCGACCAGC.1_11	YUTORY	Mono 7
## CTGGTCTTCTCGTATT.1_11	YUTORY	CD4T 3
## CTGTGCTAGGCAAAGA.1_11	YUTORY	CD8T 1
## CTGTGCTCAAGGTTTC.1_11	YUTORY	CD8T 1
## CTGTTTAAGTGGAAT.1_11	YUTORY	Mono 7
## CTTAACTAGAGTCTGG.1_11	YUTORY	Mono 4
## CTTAACTCACACTGCG.1_11	YUTORY	Mono 7
## CTTACCGCACTAGTAC.1_11	YUTORY	NK 1
## CTTCTCTAGCCCAATT.1_11	YUTORY	CD8T 1
## CTTCTCTAGGACATTA.1_11	YUTORY	CD8T 1
## CTTCTCTGTTCTCATT.1_11	YUTORY	CD4T 5
## CTTGGCTCAAACCCAT.1_11	YUTORY	CD4T 6
## CTTTGCGAGCTGCCCA.1_11	YUTORY	DC 1
## CTTTGCGGTTCTGTTT.1_11	YUTORY	Mono 7
## CTTTGCGTCGGAAATA.1_11	YUTORY	CD8T 1
## GAAATGATCGGCTTGG.1_11	YUTORY	Mono 4
## GAACATCAGCCGTCGT.1_11	YUTORY	DC 1
## GAACATCGTCCGTTAA.1_11	YUTORY	TNKT 1
## GAACCTAAGCCCAGCT.1_11	YUTORY	NK 3
## GAACCTACAAAGCAAT.1_11	YUTORY	NK 4
## GAACGGATCCAATGGT.1_11	YUTORY	NK 3
## GAATAAGAGGATCGCA.1_11	YUTORY	Mono 5
## GAATAAGGTCAGAAGC.1_11	YUTORY	Mono 4
## GAATAAGTCAGGATCT.1_11	YUTORY	Mono 8
## GACCTGGGTATATGGA.1_11	YUTORY	CD8T 1
## GACGCGTAGCGAAGGG.1_11	YUTORY	Mono 4

## GACGCGTGTGTTTCGAT.1_11	YUTORY	CD4T 4
## GACGTTATCATTATCC.1_11	YUTORY	CD8T 1
## GACTAACAGCTTTGGT.1_11	YUTORY	CD8T 2
## GACTAACAGTAGGTGC.1_11	YUTORY	CD8T 1
## GACTACAAGTGTCCTG.1_11	YUTORY	Mono 9
## GACTACACATCTGGTA.1_11	YUTORY	NK 1
## GACTACAGTTCCCGAG.1_11	YUTORY	Mono 4
## GACTACATCAGGATCT.1_11	YUTORY	DC 1
## GACTGCGAGCCCGAAA.1_11	YUTORY	CD8T 1
## GACTGCGCAAGGTGTG.1_11	YUTORY	Mono 9
## GAGGTGACATCTACGA.1_11	YUTORY	CD8T 1
## GAGTCCGAGTACGACG.1_11	YUTORY	CD8T 1
## GAGTCCGAGTGACTC.1_11	YUTORY	CD4T 7
## GATCGCGAGATAGCAT.1_11	YUTORY	Mono 9
## GATCGCGTCAGCTGGC.1_11	YUTORY	Mono 5
## GATCGTAGTATAAACG.1_11	YUTORY	CD8T 1
## GATGAAAAGTATTGGA.1_11	YUTORY	Mono 7
## GATGAAAGTCAGGACA.1_11	YUTORY	NK 3
## GATGAAATCGCCGTGA.1_11	YUTORY	NK 2
## GATGAGGGTGAGTATA.1_11	YUTORY	NK 2
## GATGCTACATGCCCGA.1_11	YUTORY	Mono 7
## GCAAACCTCAAGCGTAG.1_11	YUTORY	CD8T 1
## GCAAACCTGTAAGGGAA.1_11	YUTORY	CD8T 1
## GCACATAAGGGAGTAA.1_11	YUTORY	Mono 4
## GCACTCTTCCCAACGG.1_11	YUTORY	CD4T 4
## GCAGCCAGTAGCGCTC.1_11	YUTORY	NK 1
## GCATGATAGTGACATA.1_11	YUTORY	Mono 7
## GCATGCGCACCCATC.1_11	YUTORY	NK 4
## GCATGCGTCCTGCAGG.1_11	YUTORY	Mono 4
## GCGACCAAGACCACGA.1_11	YUTORY	Mono 7
## GCGACCAAGAGCTGGT.1_11	YUTORY	NK 1
## GCGCAACAGACACTAA.1_11	YUTORY	NK 2
## GCGCAGTAGAACAATC.1_11	YUTORY	Mono 4
## GCGCGATTCTCGTTTA.1_11	YUTORY	CD8T 1
## GCGGGTTAGCACACAG.1_11	YUTORY	Mono 7
## GCGGGTTTCCTCATT.1_11	YUTORY	Mono 8
## GCTCCTAAGGAGCGAG.1_11	YUTORY	NK 2
## GCTCCTACAACGCACC.1_11	YUTORY	Mono 8
## GCTCTGTGTGTGGCTC.1_11	YUTORY	Mono 9
## GCTGCAGTCTACCAGA.1_11	YUTORY	CD8T 1
## GCTGCGAAGATGTCGG.1_11	YUTORY	Mono 8
## GCTGCTTAGCTAACTC.1_11	YUTORY	Mono 2
## GCTGCTTGTGCAGGTA.1_11	YUTORY	CD8T 1
## GGAAGCCATTTCGACA.1_11	YUTORY	DC 1
## GGAATAACAACACCCG.1_11	YUTORY	CD8T 1
## GGACAGAGTCAACATC.1_11	YUTORY	CD4T 5
## GGACATTTCTCGATGA.1_11	YUTORY	TNKT 1
## GGACGTCTCCAGAGGA.1_11	YUTORY	Mono 5
## GGAGCAAAGAGCTGCA.1_11	YUTORY	NK 1
## GGAGCAAAGCTACCTA.1_11	YUTORY	CD4T 5
## GGAGCAACATCGGGTC.1_11	YUTORY	CD8T 1
## GGATGTTAGTTCGCGC.1_11	YUTORY	CD4T 7
## GGATGTTGTTAGAACA.1_11	YUTORY	CD8T 1
## GGCAATTAGCTGCCCA.1_11	YUTORY	CD4T 2

## GGCCGATAGAGTACAT.1_11	YUTORY	Mono 4
## GGCCGATAGGAGTTGC.1_11	YUTORY	CD4T 5
## GGCCGATAGTGTACTION.1_11	YUTORY	NK 2
## GGCGTGTAGCATCATC.1_11	YUTORY	Mono 8
## GGCTCGAAGGCCCTCA.1_11	YUTORY	Mono 5
## GGCTCGACACTCAGGC.1_11	YUTORY	CD4T 1
## GGCTCGAGTGATGATA.1_11	YUTORY	CD8T 1
## GGGAGATCACATTAGC.1_11	YUTORY	TNKT 1
## GGGATGATCTTCATGT.1_11	YUTORY	CD8T 1
## GGGTTGCAGGAGTAGA.1_11	YUTORY	Mono 7
## GGTGAAGAGAACTCGG.1_11	YUTORY	CD4T 4
## GGTGAAGCATCCCACT.1_11	YUTORY	NK 3
## GGTGCGTTCTCGCATC.1_11	YUTORY	CD4T 5
## GGTGTTATCCGTAGGC.1_11	YUTORY	Mono 2
## GTAACATGCATCACGAT.1_11	YUTORY	NK 3
## GTAACATGGTGTGTGCC.1_11	YUTORY	CD4T 1
## GTAGGCCAGGAGTCTG.1_11	YUTORY	CD8T 1
## GTAGGCCTCTTCGAGA.1_11	YUTORY	CD4T 4
## GTCAAGTCACGGCCAT.1_11	YUTORY	CD8T 1
## GTCACAATCAACGGCC.1_11	YUTORY	CD4T 1
## GTCACGGCATCCTTGC.1_11	YUTORY	CD4T 6
## GTCATTTAGAAACCTA.1_11	YUTORY	CD8T 1
## GTCCTCAAGTAGGTGC.1_11	YUTORY	Mono 5
## GTCCTCACAAGGACTG.1_11	YUTORY	CD8T 1
## GTCCTCAGTGATGATA.1_11	YUTORY	NK 1
## GTCTTCGAGCGCCTCA.1_11	YUTORY	Mono 7
## GTCTTCGGTAACGTTTC.1_11	YUTORY	CD4T 6
## GTGAAGGCAAGTTGTC.1_11	YUTORY	CD8T 1
## GTGAAGGCACGGTAGA.1_11	YUTORY	Mono 8
## GTGCAGCGTCAGAATA.1_11	YUTORY	Mono 5
## GTGCATAAGCGACGTA.1_11	YUTORY	Mono 5
## GTGCGGTGTACATGTC.1_11	YUTORY	NK 1
## GTGCGGTGTGGAACAG.1_11	YUTORY	CD8T 1
## GTGCTTCAGGCAGTCA.1_11	YUTORY	NK 1
## GTTAAGCCACGGTAGA.1_11	YUTORY	CD4T 2
## GTTAAGCGTAGTACCT.1_11	YUTORY	NK 2
## GTTAAGCTCATGTAGC.1_11	YUTORY	NK 1
## GTTCTCGAGCCCTAAT.1_11	YUTORY	CD8T 1
## GTTCTCGTCTAACTGG.1_11	YUTORY	CD8T 1
## TAAACCGCACAAAGACG.1_11	YUTORY	NK 1
## TAAACCGGTCTGGTCG.1_11	YUTORY	CD4T 1
## TAAGAGACAAAGGCGT.1_11	YUTORY	NK 3
## TACCTATGTCTAGCGC.1_11	YUTORY	NK 3
## TACCTATTCGGTTAAC.1_11	YUTORY	Mono 8
## TACCTTACATAGAAAC.1_11	YUTORY	Mono 7
## TACCTTAGTCGCCATG.1_11	YUTORY	CD4T 5
## TACGGATAGCACCGCT.1_11	YUTORY	Mono 7
## TACGGATTACGGCAAG.1_11	YUTORY	Mono 2
## TACTCGCGTTAGAACA.1_11	YUTORY	Mono 4
## TACTCGCTCGGTGTCTG.1_11	YUTORY	Mono 7
## TACTTGTTCCGCGGTA.1_11	YUTORY	Mono 4
## TAGAGCTAGAATAGGG.1_11	YUTORY	CD8T 1
## TAGCCGGCAACTTGAC.1_11	YUTORY	CD8T 1
## TAGCCGGGTAGAAAGG.1_11	YUTORY	Mono 7

## TAGGCATCATGAAGTA.1_11	YUTORY	Mono 4
## TAGGCATTCTTAGAGC.1_11	YUTORY	NK 3
## TAGTTGGTCGCCATAA.1_11	YUTORY	CD4T 3
## TATGCCCCGTAGCGTGA.1_11	YUTORY	NK 1
## TATGCCCCGTGTCTTT.1_11	YUTORY	B 2
## TATTACCGTATGAATG.1_11	YUTORY	Mono 9
## TCAACGAGTATATGGA.1_11	YUTORY	CD8T 1
## TCACAAGAGCCGATTT.1_11	YUTORY	B 2
## TCACAAGGTGCCTGCA.1_11	YUTORY	Mono 1
## TCAGATGAGAAGGACA.1_11	YUTORY	CD4T 5
## TCAGCTCAGTGACGG.1_11	YUTORY	Mono 7
## TCAGCTCTCTCTGCTG.1_11	YUTORY	Mono 4
## TCAGGTAAGCTAACTC.1_11	YUTORY	B 2
## TCATTTGCAAGCCTAT.1_11	YUTORY	CD4T 1
## TCCACACTCCTCTAGC.1_11	YUTORY	CD8T 1
## TCGAGGCCACAGATTC.1_11	YUTORY	CD8T 1
## TCGCGAGGTGGCCCTA.1_11	YUTORY	Mono 7
## TCGGGACGTGCCTTGG.1_11	YUTORY	CD4T 7
## TCGGTAAGTAGCGTGA.1_11	YUTORY	Mono 4
## TCGTACCTCGGTCTAA.1_11	YUTORY	Mono 4
## TCGTAGACACTGCCAG.1_11	YUTORY	Mono 4
## TCGTAGAGTCACTTCC.1_11	YUTORY	CD4T 3
## TCGTAGAGTTTGGCGC.1_11	YUTORY	NK 3
## TCGTAGATCTTGAGGT.1_11	YUTORY	Mono 8
## TGAAGAAGGGTCTCC.1_11	YUTORY	B 2
## TGAAGACACTTAACG.1_11	YUTORY	CD8T 1
## TGACAACGTCGGCATC.1_11	YUTORY	Mono 9
## TGACGGCGTGAGTGAC.1_11	YUTORY	Mono 8
## TGACGGCTCAAAGACA.1_11	YUTORY	Mono 8
## TGACTIONAGTACGCACC.1_11	YUTORY	NK 2
## TGAGCATCACTGAAGG.1_11	YUTORY	Mono 7
## TGAGCATCATGGAATA.1_11	YUTORY	NK 3
## TGAGCCGGTAAATGAC.1_11	YUTORY	CD8T 1
## TGCCAAACATTACCTT.1_11	YUTORY	NK 1
## TGCCAAATCTTGGGTA.1_11	YUTORY	NK 1
## TGCCCTAAGTGCCATT.1_11	YUTORY	B 2
## TGCCCTAGTACGCACC.1_11	YUTORY	NK 2
## TGCCCTAGTGGTACAG.1_11	YUTORY	Mono 8
## TGCGCAGCAATAGAGT.1_11	YUTORY	NK 4
## TGCGCAGTACCCACT.1_11	YUTORY	Mono 4
## TGCGGGTTCTGCTGTC.1_11	YUTORY	Mono 4
## TGCTACCGTTAAGAAC.1_11	YUTORY	Mono 5
## TGCTACCTCTGCCCTA.1_11	YUTORY	CD4T 4
## TGCTGCTCAGCTCGCA.1_11	YUTORY	Mono 1
## TGCTGCTTCCAACTG.1_11	YUTORY	DC 1
## TGGCCAGGTTCTGGGCT.1_11	YUTORY	Mono 5
## TGGCCAGTCAGTCCCT.1_11	YUTORY	CD8T 1
## TGGCGCACATATGGTC.1_11	YUTORY	Mono 7
## TGGCGCAGTAGCTGCC.1_11	YUTORY	CD8T 1
## TGGCGCATCACCCACT.1_11	YUTORY	CD4T 5
## TGGGAAGCACGCTTTC.1_11	YUTORY	CD8T 1
## TGGGAAGGTCCGACGT.1_11	YUTORY	NK 1
## TGGGCGTCAGGTGCCCT.1_11	YUTORY	CD8T 1
## TGGTAGCATCTACGA.1_11	YUTORY	Mono 5

## TGGTTCCGTATATCCG.1_11	YUTORY	CD4T 4
## TTAACTCGTTCCAACA.1_11	YUTORY	Mono 4
## TTAGGACCATATACCG.1_11	YUTORY	Mono 5
## TTATGCTGTGATGATA.1_11	YUTORY	NK 2
## TTCCCAGGTCTGCCAG.1_11	YUTORY	CD8T 1
## TTCGAAGGTTACCGAT.1_11	YUTORY	CD4T 1
## TTCGAAGTCTCCAGGG.1_11	YUTORY	CD8T 1
## TTCGGTCCACCCATGG.1_11	YUTORY	Mono 4
## TTGAACGCATCGATTG.1_11	YUTORY	Mono 7
## TGCCGTCACCTCGTT.1_11	YUTORY	Mono 9
## TGCCGTTCTCTGCTG.1_11	YUTORY	CD8T 1
## TTGGAACAGTTCGCAT.1_11	YUTORY	Mono 7
## TTGGAACGTAGAAAGG.1_11	YUTORY	Mono 7
## TTGGCAAAGATGAGAG.1_11	YUTORY	Mono 9
## TTGGCAAAGCGTGAGT.1_11	YUTORY	CD4T 6
## TTGTAGGAGCCACTAT.1_11	YUTORY	CD4T 6
## TTGTAGGGTAAGGGAA.1_11	YUTORY	NK 1
## TTTATGCGTCAGATAA.1_11	YUTORY	Mono 5
## TTTATGCTCGTACGGC.1_11	YUTORY	Mono 9
## TTTGCGCCACAGCCA.1_11	YUTORY	Mono 4
## AAACCTGCAGACAAAT.1_12	YUHERN	NK 2
## AAAGATGCAATAGAGT.1_12	YUHERN	Mono 4
## AAAGTAGGTCCAGTAT.1_12	YUHERN	B 2
## AAAGTAGTCCGCGTTT.1_12	YUHERN	NK 3
## AAATGCCTCACCGGGT.1_12	YUHERN	Mono 9
## AACCATGAGATGTAAC.1_12	YUHERN	Mono 7
## AACCATGCAGGGTATG.1_12	YUHERN	Mono 1
## AACCGCGTCTCTAAGG.1_12	YUHERN	CD4T 4
## AACGTTGGTAATTGGA.1_12	YUHERN	CD4T 5
## AACGTTGTCTGGTGTA.1_12	YUHERN	CD4T 6
## AACTCTTCAGTCTTCC.1_12	YUHERN	CD8T 1
## AACTCTTGTGTTGAGG.1_12	YUHERN	Mono 7
## AAGGTTCTCAGAGACG.1_12	YUHERN	Mono 5
## AAGTCTGTCTATCCCG.1_12	YUHERN	CD4T 7
## AATCGGTGTATCAGTC.1_12	YUHERN	Mono 1
## ACACCCTCATTTGCC.1_12	YUHERN	CD4T 4
## ACACCCTTCTTCGGTC.1_12	YUHERN	Mono 7
## ACAGCTACATTCCTGC.1_12	YUHERN	Mono 3
## ACATACGGTAAGTGTA.1_12	YUHERN	Mono 7
## ACCGTAAGTAACGACG.1_12	YUHERN	CD4T 7
## ACGATACGTTACTGAC.1_12	YUHERN	Mono 4
## ACGCAGCTCGCGATCG.1_12	YUHERN	Mono 2
## ACGGGTCTCTCTAGGA.1_12	YUHERN	Mono 4
## ACGTCAAAGTTGAGAT.1_12	YUHERN	Mono 8
## ACTATCTGTGCACTTA.1_12	YUHERN	Mono 5
## ACTGAACTCCTCATTA.1_12	YUHERN	NK 3
## ACTGAGTAGAACAATC.1_12	YUHERN	Mono 7
## ACTGCTCCATTATCTC.1_12	YUHERN	Mono 1
## ACTGCTCGTAGCGTAG.1_12	YUHERN	TNKT 2
## ACTTGTTAGTGTACGG.1_12	YUHERN	CD4T 5
## ACTTTCACACTTCTGC.1_12	YUHERN	Mono 7
## AGAATAGCATGCTGGC.1_12	YUHERN	Mono 8
## AGAGCGACATGGTCTA.1_12	YUHERN	CD4T 4
## AGAGTGGCATGCCTTC.1_12	YUHERN	B 2

## AGCAGCCTCTAACTCT.1_12	YUHERN	B 2
## AGCGGTCCACAAGACG.1_12	YUHERN	NK 2
## AGCGTATTCTTTACAC.1_12	YUHERN	TNKT 2
## AGGCCACCAGGTGCCT.1_12	YUHERN	NK 2
## AGGGATGCAATGGAGC.1_12	YUHERN	B 2
## AGTAGTCCATAAAGGT.1_12	YUHERN	TNKT 2
## AGTCTTTGTAAGTGGC.1_12	YUHERN	CD8T 2
## ATCATCTAGGGCTCTC.1_12	YUHERN	NK 1
## ATCCGAAGTGTGGCTC.1_12	YUHERN	CD8T 2
## ATCGAGTAGAGGGATA.1_12	YUHERN	Mono 7
## ATCGAGTGTCAACATC.1_12	YUHERN	Mono 9
## ATCTGCCGTCTCACCT.1_12	YUHERN	CD4T 1
## ATTCTACCACATTTCT.1_12	YUHERN	DC 1
## ATTGGACCACGTAAGG.1_12	YUHERN	Mono 7
## ATTGGACCAGACGCTC.1_12	YUHERN	Mono 5
## CAACCAAAGTAGGTGC.1_12	YUHERN	Mono 4
## CAAGAAAGTTTGTTTC.1_12	YUHERN	CD4T 7
## CAAGATCAGTACACCT.1_12	YUHERN	Mono 2
## CACAAACGTCGGATCC.1_12	YUHERN	CD4T 5
## CACAAACTCTGCGGCA.1_12	YUHERN	TNKT 2
## CACACTCAGACTAGAT.1_12	YUHERN	Mono 7
## CACAGGCGTGCATCTA.1_12	YUHERN	CD4T 7
## CACTCCATCATCTGCC.1_12	YUHERN	Mono 9
## CAGAGAGAGCCAACAG.1_12	YUHERN	NK 2
## CAGCGACAGTGCCAGA.1_12	YUHERN	Mono 8
## CAGCTGGTCTGTGCAA.1_12	YUHERN	Mono 5
## CAGTAACAGTGAAGAG.1_12	YUHERN	CD4T 7
## CATTATCTCACATAGC.1_12	YUHERN	Mono 7
## CCACGGACACTAGTAC.1_12	YUHERN	Mono 1
## CCACTACAGGTCTCC.1_12	YUHERN	Mono 7
## CCAGCGACAGCCAGAA.1_12	YUHERN	B 2
## CCATGTCCATGTCCTC.1_12	YUHERN	Mono 4
## CCCAATCCACAAGTAA.1_12	YUHERN	TNKT 2
## CCCAGTTTCGCCTGAG.1_12	YUHERN	B 2
## CCGGGATCATTACCTT.1_12	YUHERN	NK 2
## CCGTACTCATTCACCTT.1_12	YUHERN	CD4T 6
## CCGTTCAGTACGCACC.1_12	YUHERN	Mono 2
## CCTAAAGTCTCTGTCTG.1_12	YUHERN	Mono 8
## CCTAGCTAGCGCTCCA.1_12	YUHERN	NK 4
## CCTCAGTAGCCATCGC.1_12	YUHERN	CD4T 6
## CCTCTGAAGTCAAGCG.1_12	YUHERN	CD8T 1
## CCTTCCCAGTGATCGG.1_12	YUHERN	Mono 3
## CGATCGGAGGCGTACA.1_12	YUHERN	Mono 4
## CGATGGCCATCATCCC.1_12	YUHERN	B 2
## CGCCAAGAGGCTAGCA.1_12	YUHERN	Mono 7
## CGCGGTATCAACACTG.1_12	YUHERN	CD4T 4
## CGCGTTTCAAGACACG.1_12	YUHERN	Mono 4
## CGCTATCTCACTATTC.1_12	YUHERN	TNKT 2
## CGCTGGAGTGCACCAC.1_12	YUHERN	B 1
## CGGACACAGAAGGCCT.1_12	YUHERN	Mono 7
## CGGACGTTCACGAAGG.1_12	YUHERN	CD4T 2
## CGGACGTTCCTCTGCTG.1_12	YUHERN	Mono 4
## CGTAGCGGTATTAGCC.1_12	YUHERN	CD8T 1
## CGTCAGGTCAGAGCTT.1_12	YUHERN	Mono 4

## CGTCCATGTTACGACT.1_12	YUHERN	CD4T 6
## CGTGTCTTCCATGAGT.1_12	YUHERN	NK 1
## CGTTCTGCACCAGTTA.1_12	YUHERN	Mono 4
## CGTTCTGGTAGCCTCG.1_12	YUHERN	Mono 5
## CTACACCGTGCAGTAG.1_12	YUHERN	B 2
## CTACATTGAGACACTT.1_12	YUHERN	Mono 7
## CTCGAAAAGCTTCGCG.1_12	YUHERN	Mono 4
## CTCGGGAGTGGCTCCA.1_12	YUHERN	CD4T 2
## CTCGTCAAGCAGATCG.1_12	YUHERN	CD4T 1
## CTCTAATGTCTTTCAT.1_12	YUHERN	B 2
## CTCTAATGTGGTTTCA.1_12	YUHERN	Mono 8
## CTGAAGTCAGCGTCCA.1_12	YUHERN	CD4T 5
## CTGCGGACAGTACACT.1_12	YUHERN	CD4T 5
## CTGCGGATCCTGCAGG.1_12	YUHERN	B 1
## CTGGTCTTCTGCAGTA.1_12	YUHERN	CD4T 4
## CTGTTTACATAGACTC.1_12	YUHERN	NK 2
## CTTAGGAAGGGTCGAT.1_12	YUHERN	CD4T 1
## CTTAGGAGTCAGAGGT.1_12	YUHERN	CD4T 2
## CTTGGCTCATATGAGA.1_12	YUHERN	Mono 8
## GAAATGATCCGCGGTA.1_12	YUHERN	Mono 5
## GACCAATAGAAACCGC.1_12	YUHERN	Mono 4
## GACCTGGAGCGATGAC.1_12	YUHERN	Mono 9
## GACGTTATCAGTCCCT.1_12	YUHERN	CD4T 5
## GAGCAGAAGAGGTAGA.1_12	YUHERN	Mono 4
## GAGCAGAAGTTGTCGT.1_12	YUHERN	CD4T 4
## GAGTCCGAGCAGGTCA.1_12	YUHERN	Mono 7
## GATCGATTAGCTCGG.1_12	YUHERN	Mono 5
## GATCGCGTCATGCATG.1_12	YUHERN	CD4T 3
## GATGAAACACTTAACG.1_12	YUHERN	CD4T 7
## GATGAAACATAGAAAC.1_12	YUHERN	TNKT 2
## GCACATATCAACACCA.1_12	YUHERN	Mono 8
## GCAGTTATCAATCTCT.1_12	YUHERN	CD4T 7
## GCATGATTCTACCAGA.1_12	YUHERN	B 2
## GCATGCGTCGATCCCT.1_12	YUHERN	Mono 9
## GCGACCAGTAATTGGA.1_12	YUHERN	CD8T 1
## GCGACCATCTACGAGT.1_12	YUHERN	Mono 5
## GCGCAACAGACTAGGC.1_12	YUHERN	Mono 9
## GCGCAACAGCGTTTAC.1_12	YUHERN	CD8T 1
## GCGCAACGTGTGCCTG.1_12	YUHERN	DC 1
## GCGCGATAGGTAGCCA.1_12	YUHERN	CD4T 6
## GCTCCTACAATCGGTT.1_12	YUHERN	Mono 8
## GCTCTGTAGCCACGTC.1_12	YUHERN	Mono 9
## GCTGCGACAGAAGCAC.1_12	YUHERN	Mono 1
## GCTGCGATCTTAGCCC.1_12	YUHERN	CD4T 2
## GCTGGGTTCTTAGAGC.1_12	YUHERN	Mono 7
## GCTTGAAGTCGCTTTC.1_12	YUHERN	NK 3
## GGAAAGCAGCGTGAAC.1_12	YUHERN	CD8T 2
## GGAAGTTTCCAGCCACCA.1_12	YUHERN	NK 2
## GGACAGAAGATATACG.1_12	YUHERN	Mono 2
## GGACGTCGTGTGACCC.1_12	YUHERN	NK 1
## GGCAATTTTACGCTTAG.1_12	YUHERN	B 3
## GGCCGATGTGTGCCTG.1_12	YUHERN	CD4T 4
## GGCGTGTTCGTACGGC.1_12	YUHERN	CD4T 1
## GGCGTGTTCCTTATCTG.1_12	YUHERN	Mono 8

## GGCTGGTCAGTACACT.1_12	YUHERN	CD4T 2
## GGGAATGGTGGCTCCA.1_12	YUHERN	CD4T 7
## GGGAATGTCTAGCACA.1_12	YUHERN	Mono 2
## GGGCATCTCATCACCC.1_12	YUHERN	NK 2
## GGGTTGCCACGGATAG.1_12	YUHERN	NK 2
## GGTATTGTGCGCTGTT.1_12	YUHERN	Mono 4
## GGTGAAGTCCGTTGCT.1_12	YUHERN	CD4T 4
## GGTGTTATCTCAAACG.1_12	YUHERN	NK 4
## GTACTCCCCTATCTT.1_12	YUHERN	Mono 7
## GTACTCCTCATGCATG.1_12	YUHERN	Mono 7
## GTATCTTTTACGCAACT.1_12	YUHERN	Mono 5
## GTCACGGTCACTTCAT.1_12	YUHERN	CD4T 2
## GTCCTCATCTGTACGA.1_12	YUHERN	Mono 5
## GTCGGGTGTTACGCGC.1_12	YUHERN	Mono 7
## GTCGGGTTCAACCAAC.1_12	YUHERN	CD4T 6
## GTGTGCGGTACACCGC.1_12	YUHERN	CD4T 6
## GTTCATTCAATCTACG.1_12	YUHERN	CD4T 2
## GTTTCTACATGGTCTA.1_12	YUHERN	CD4T 4
## TAAACCGAGCTGCCCCA.1_12	YUHERN	Mono 8
## TAAGAGAGTCAGCTAT.1_12	YUHERN	NK 2
## TAAGTGCGTACGCACC.1_12	YUHERN	Mono 8
## TAAGTGCGTCTGTTT.1_12	YUHERN	Mono 4
## TACAGTGCAGCAGTTT.1_12	YUHERN	TNKT 2
## TACGGGCTCGGCGCAT.1_12	YUHERN	Mono 7
## TACTCGCTCCTTTCTC.1_12	YUHERN	Mono 4
## TACTTGTGTCCAGTTA.1_12	YUHERN	CD4T 4
## TAGACCACATTCCTGC.1_12	YUHERN	CD8T 1
## TAGCCGGGTCTTGCGG.1_12	YUHERN	B 2
## TAGTGGTTCCACGAAT.1_12	YUHERN	NK 2
## TATCAGGGTCGCATCG.1_12	YUHERN	Mono 5
## TCACGAAGTCACCCAG.1_12	YUHERN	Mono 8
## TCAGATGAGGAACTGC.1_12	YUHERN	Mono 7
## TCAGATGTCAGTCAGT.1_12	YUHERN	CD4T 1
## TCATTACGTCAAACCTC.1_12	YUHERN	Mono 8
## TCGCGTTCAAGCGAGT.1_12	YUHERN	Mono 7
## TCTCATACAAGACGTG.1_12	YUHERN	Mono 7
## TCTGAGAGTGCAGACA.1_12	YUHERN	Mono 5
## TCTGGAATCTCGATGA.1_12	YUHERN	Mono 8
## TCTTTCCAGCCCTAAT.1_12	YUHERN	B 1
## TCTTTCCCAAACCTAC.1_12	YUHERN	Mono 7
## TGAAAGAGTTACGGAG.1_12	YUHERN	CD4T 4
## TGAGAGGCACAGAGGT.1_12	YUHERN	NK 2
## TGCCCATCAAGTCTAC.1_12	YUHERN	NK 3
## TGGACGCTCACTCTTA.1_12	YUHERN	NK 2
## TGGGCGTAGATGTAAC.1_12	YUHERN	CD4T 4
## TGTATTCCAGCACCGTC.1_12	YUHERN	Mono 9
## TGTATTCCACGGATAG.1_12	YUHERN	CD8T 2
## TTAGGCAGTAGGGACT.1_12	YUHERN	TNKT 2
## TTAGTTCCAGCCTTGG.1_12	YUHERN	Mono 7
## TTAGTTCCAGGTCTCG.1_12	YUHERN	Mono 8
## TTAGTTCCATTACGAC.1_12	YUHERN	B 1
## TTATGCTAGAAACCAT.1_12	YUHERN	Mono 7
## TTATGCTCAATTGCTG.1_12	YUHERN	Mono 5
## TTCGAAGCACCGAATT.1_12	YUHERN	CD4T 5

## TTCGAAGGTACCTACA.1_12	YUHERN	CD4T 3
## TTCGGTCTCCAGAAGG.1_12	YUHERN	Mono 8
## TTGCGTCAGATACACA.1_12	YUHERN	Mono 8
## TTGGCAACACAGGCCT.1_12	YUHERN	CD4T 2
## TTGGCAACAGAGTGTG.1_12	YUHERN	Mono 7
## TTTACTGTCCGTCAA.1_12	YUHERN	Mono 8
## TTTATGCAGTCCGTAT.1_12	YUHERN	Mono 4
## TTTCTCAGCAAATCA.1_12	YUHERN	CD4T 1
## TTTGGTTGTGTGACGA.1_12	YUHERN	CD4T 6
## AAACCTGAGGTCGGAT.1_13	YUOD	NK 3
## AAACCTGCAATCGAAA.1_13	YUOD	B 6
## AAACCTGCACCAGCAC.1_13	YUOD	B 4
## AAACCTGCAGGACGTA.1_13	YUOD	CD8T 2
## AAACCTGGTATAATGG.1_13	YUOD	B 4
## AAACCTGGTCATGCCG.1_13	YUOD	Mono 8
## AAACCTGGTCTCCCTA.1_13	YUOD	Mono 8
## AAACCTGTCCGCAAGC.1_13	YUOD	B 3
## AAACGGGAGACGACGT.1_13	YUOD	B 3
## AAACGGGAGCGAAGGG.1_13	YUOD	B 4
## AAACGGGGTACCTACA.1_13	YUOD	NK 2
## AAACGGGGTATGGTTC.1_13	YUOD	B 1
## AAACGGGGTGAGTGAC.1_13	YUOD	CD4T 7
## AAACGGGTCAAGATCC.1_13	YUOD	B 3
## AAACGGGTCCACTCCA.1_13	YUOD	B 1
## AAACGGGTCTTAGCCC.1_13	YUOD	B 1
## AAAGATGAGATCACGG.1_13	YUOD	B 6
## AAAGATGGTCTTGCGG.1_13	YUOD	B 3
## AAAGATGTCCCTAACC.1_13	YUOD	B 3
## AAAGATGTCCGCAGTG.1_13	YUOD	B 1
## AAAGATGTCTAGAGTC.1_13	YUOD	Mono 8
## AAAGCAACACAGAGGT.1_13	YUOD	B 3
## AAAGCAACATACGCCG.1_13	YUOD	B 1
## AAAGCAAGTCTTTCAT.1_13	YUOD	B 3
## AAAGCAAGTGAGCGAT.1_13	YUOD	B 1
## AAAGCAATCTGTACGA.1_13	YUOD	B 5
## AAAGTAGCAGGCTGAA.1_13	YUOD	B 4
## AAAGTAGGTAGAAGGA.1_13	YUOD	B 1
## AAAGTAGGTCCACGG.1_13	YUOD	B 3
## AAATGCCCATGCTAGT.1_13	YUOD	CD4T 1
## AAATGCCCATGGTCAT.1_13	YUOD	B 6
## AAATGCCGTGAGTGAC.1_13	YUOD	B 4
## AAATGCCTCATTCACT.1_13	YUOD	B 5
## AAATGCCTCTGGCGAC.1_13	YUOD	B 3
## AACACGTAGGCCCGTT.1_13	YUOD	B 5
## AACACGTCAGTAGAGC.1_13	YUOD	B 1
## AACACGTGTGCTAGCC.1_13	YUOD	B 4
## AACCATGAGTGAAGTT.1_13	YUOD	B 5
## AACCATGTCCTATGTT.1_13	YUOD	B 4
## AACCGCGCACCGTTGG.1_13	YUOD	TNKT 2
## AACCGCGCATGAACCT.1_13	YUOD	B 3
## AACCGCGGTTGTTTGG.1_13	YUOD	B 1
## AACGTTGAGCTAGTGG.1_13	YUOD	B 1
## AACGTTGCATTTCACT.1_13	YUOD	B 3
## AACGTTGGTTCGTTGA.1_13	YUOD	B 1

## AACGTTGTCTACTCAT.1_13	YUROD	B 4
## AACTCAGAGAATAGGG.1_13	YUROD	B 6
## AACTCAGAGAATGTGT.1_13	YUROD	B 6
## AACTCAGAGCGATAGC.1_13	YUROD	B 6
## AACTCAGAGTGCCATT.1_13	YUROD	CD8T 2
## AACTCCCCACCAGTTA.1_13	YUROD	B 1
## AACTCCCCCAGAGCCAA.1_13	YUROD	B 5
## AACTCCCCGTCAGAAGC.1_13	YUROD	B 3
## AACTCCCCGTCATCGGC.1_13	YUROD	B 4
## AACTCCCTCTCGCATC.1_13	YUROD	B 5
## AACTCTTCACATCCAA.1_13	YUROD	B 6
## AACTCTTCATATGAGA.1_13	YUROD	B 1
## AACTCTTTCTGCTGTC.1_13	YUROD	B 3
## AACTGGTCAATTCCTT.1_13	YUROD	B 5
## AACTGGTCACATTAGC.1_13	YUROD	B 4
## AACTGGTCACCAGTTA.1_13	YUROD	B 6
## AACTGGTCAGACGCAA.1_13	YUROD	B 5
## AACTTTTCAGCAATATG.1_13	YUROD	B 4
## AACTTTTCAGGAATGGA.1_13	YUROD	B 1
## AACTTTCCACATTTCT.1_13	YUROD	B 6
## AACTTTCCACCGAATT.1_13	YUROD	CD4T 6
## AACTTTTCGTAGCGCAA.1_13	YUROD	B 3
## AAGACCTAGGACACCA.1_13	YUROD	B 1
## AAGACCTCAATCGGTT.1_13	YUROD	B 4
## AAGACCTCATGCCTAA.1_13	YUROD	B 1
## AAGACCTGTCTTCAAG.1_13	YUROD	B 3
## AAGCCGCAGCTAAGAT.1_13	YUROD	B 1
## AAGCCGCAGTTGAGAT.1_13	YUROD	B 3
## AAGCCGCCAATCCGAT.1_13	YUROD	B 3
## AAGCCGCCACGAGAGT.1_13	YUROD	B 6
## AAGCCGCCACTTAACG.1_13	YUROD	B 4
## AAGCCGCGTCGACTAT.1_13	YUROD	Mono 4
## AAGCCGCGTCTCCACT.1_13	YUROD	B 5
## AAGCCGCTCAAGATCC.1_13	YUROD	B 5
## AAGCCGCTCTGGTGTA.1_13	YUROD	B 3
## AAGGAGCAGCCGAAA.1_13	YUROD	B 5
## AAGGCAGAGGCCGAAT.1_13	YUROD	CD4T 3
## AAGGCAGCATCACAAC.1_13	YUROD	B 1
## AAGGCAGCATCCCACT.1_13	YUROD	B 5
## AAGGCAGGTAAATACG.1_13	YUROD	B 4
## AAGGTTCAGTAGGTGC.1_13	YUROD	B 5
## AAGGTTCCACTTAAGC.1_13	YUROD	B 6
## AAGGTTCCATGTCCTC.1_13	YUROD	B 3
## AAGGTTTCGTACAGTGG.1_13	YUROD	B 5
## AAGGTTTCGTCTAGGTT.1_13	YUROD	B 6
## AAGGTTCTCGGTCTAA.1_13	YUROD	B 1
## AAGTCTGAGAGTCGGT.1_13	YUROD	B 1
## AAGTCTGGTCAGTGGA.1_13	YUROD	B 5
## AAGTCTGGTCGCGTGT.1_13	YUROD	B 4
## AAGTCTGTCTACTTAC.1_13	YUROD	B 3
## AATCCAGAGAGTCTGG.1_13	YUROD	B 4
## AATCCAGCACGGCTAC.1_13	YUROD	B 3
## AATCCAGTCATCGATG.1_13	YUROD	CD4T 6
## AATCGGTAGTACGTAA.1_13	YUROD	B 3

## AATCGGTGTAAGCACG.1_13	YUROD	B 3
## AATCGGTTCAGCATGT.1_13	YUROD	B 3
## AATCGGTTCTGTCAAG.1_13	YUROD	B 3
## ACACCAAAGCAGCGTA.1_13	YUROD	CD4T 7
## ACACCAAGTACAGTTC.1_13	YUROD	B 6
## ACACCAAGTACCCAAT.1_13	YUROD	TNKT 2
## ACACCAAGTAGCGTGA.1_13	YUROD	B 3
## ACACCCTAGAATTGTG.1_13	YUROD	B 5
## ACACCCTCAGTTAACC.1_13	YUROD	B 4
## ACACCCTGTCTGCAAT.1_13	YUROD	B 1
## ACACCCTTCGAACTGT.1_13	YUROD	B 3
## ACACCGGAGCATCATC.1_13	YUROD	B 5
## ACACCGGAGGACCACA.1_13	YUROD	Mono 8
## ACACCGGCAAGTAATG.1_13	YUROD	B 5
## ACACCGGGTGGTCCGT.1_13	YUROD	CD8T 1
## AACTGAAGGAGTTGC.1_13	YUROD	B 6
## AACTGAAGGCTAGAC.1_13	YUROD	TNKT 2
## AACTGAAGTAGGCCA.1_13	YUROD	B 6
## AACTGAAGTGACCT.1_13	YUROD	B 4
## AACTGACAAAGAATC.1_13	YUROD	B 4
## AACTGACACAGTCGC.1_13	YUROD	B 4
## AACTGAGTGCAGTAG.1_13	YUROD	CD4T 6
## ACAGCCGAGGACATTA.1_13	YUROD	B 6
## ACAGCCGCACAACTGT.1_13	YUROD	B 3
## ACAGCCGCACATGGGA.1_13	YUROD	B 5
## ACAGCCGGTACCGGCT.1_13	YUROD	B 5
## ACAGCCGTCATAGCAC.1_13	YUROD	B 3
## ACAGCCGTCGGCTTGG.1_13	YUROD	B 1
## ACAGCCGTCGTATCAG.1_13	YUROD	CD4T 7
## ACAGCCGTCCTGAAAGA.1_13	YUROD	B 4
## ACAGCTAAGCGAGAAA.1_13	YUROD	CD4T 6
## ACAGCTACAAGTTCT.1_13	YUROD	B 4
## ACATACGAGGAGTCTG.1_13	YUROD	B 4
## ACATACGGTCTAGTCA.1_13	YUROD	B 2
## ACATACGTCAGTACGT.1_13	YUROD	B 3
## ACATACGTCGACCAGC.1_13	YUROD	B 3
## ACATACGTCTAAGCCA.1_13	YUROD	B 3
## ACATCAGCATGCCCGA.1_13	YUROD	B 1
## ACATCAGGTACAGCAG.1_13	YUROD	CD4T 5
## ACATCAGGTGGAAGA.1_13	YUROD	B 1
## ACATCAGTCCTGCTTG.1_13	YUROD	CD8T 2
## ACATGGTAGTGTGGCA.1_13	YUROD	B 4
## ACATGGTGTCCGGCA.1_13	YUROD	CD4T 6
## ACATGGTTCAACTCTT.1_13	YUROD	B 1
## ACATGGTTCAATCACG.1_13	YUROD	Mono 4
## ACATGGTTCTCATTCA.1_13	YUROD	B 4
## ACCAGTAAGCGATTCT.1_13	YUROD	CD4T 5
## ACCAGTAGTAGCCTAT.1_13	YUROD	CD4T 6
## ACCCACTAGTGTTGAA.1_13	YUROD	B 4
## ACCCACTCAGGTCGTC.1_13	YUROD	NK 2
## ACCCACTGTACCGAGA.1_13	YUROD	CD4T 6
## ACCCACTGTGTTGGGA.1_13	YUROD	B 3
## ACCGTAAAGGCGTACA.1_13	YUROD	B 6
## ACCGTAACACTAAGTC.1_13	YUROD	B 5

## ACCGTAACAGACGTAG.1_13	YUROD	B 1
## ACCGTAACATAGACTC.1_13	YUROD	B 5
## ACCGTAAGTTTAGCTG.1_13	YUROD	B 3
## ACCGTAATCGTACGGC.1_13	YUROD	B 3
## ACCGTAATCTTAGAGC.1_13	YUROD	B 4
## ACCTTTAAGAGTGAGA.1_13	YUROD	B 5
## ACCTTTACACCGTTGG.1_13	YUROD	B 5
## ACCTTTACACCTCGTT.1_13	YUROD	B 1
## ACCTTTAGTTCGCTAA.1_13	YUROD	B 6
## ACGAGCCAGCTGTTCA.1_13	YUROD	B 5
## ACGAGCCAGTGAAGAG.1_13	YUROD	B 4
## ACGAGCCCACGGATAG.1_13	YUROD	B 6
## ACGAGCCGTACGAAAT.1_13	YUROD	B 3
## ACGAGCCTCATCTGTT.1_13	YUROD	B 4
## ACGAGCCTCTTGCCGT.1_13	YUROD	B 3
## ACGAGGAAGCTGCGAA.1_13	YUROD	B 4
## ACGAGGAAGGGAACGG.1_13	YUROD	B 1
## ACGAGGAGTTCGTCTC.1_13	YUROD	Mono 8
## ACGATACAGGGCTTGA.1_13	YUROD	B 1
## ACGATACCAATCCAAC.1_13	YUROD	B 5
## ACGATACCACCCAGTG.1_13	YUROD	B 1
## ACGATGTGTAGGCTGA.1_13	YUROD	B 3
## ACGATGTTGCGGTTTC.1_13	YUROD	CD8T 2
## ACGCAGCTCACAACGT.1_13	YUROD	B 5
## ACGCAGCTCGTAGGTT.1_13	YUROD	B 4
## ACGCCAGAGTTACCCA.1_13	YUROD	B 5
## ACGCCAGCAAACAACA.1_13	YUROD	B 4
## ACGCCAGGTAGCGTCC.1_13	YUROD	B 1
## ACGCCAGGTCAATGTC.1_13	YUROD	B 5
## ACGCCAGGTCACTTCC.1_13	YUROD	B 5
## ACGCCAGTCAGTCCCT.1_13	YUROD	B 3
## ACGCCGAAGCTAGTCT.1_13	YUROD	CD4T 7
## ACGCCGAAGGCGTACA.1_13	YUROD	B 5
## ACGCCGAGTTCAGTAC.1_13	YUROD	B 1
## ACGGAGACACGTCAGC.1_13	YUROD	B 1
## ACGGAGACATTGGTAC.1_13	YUROD	Mono 8
## ACGGCCAAGAAACGCC.1_13	YUROD	B 4
## ACGGCCAAGCAGACTG.1_13	YUROD	B 1
## ACGGCCAAGGCGATAC.1_13	YUROD	B 5
## ACGGCCACAAACTGCT.1_13	YUROD	CD4T 2
## ACGGCCACACATCCGG.1_13	YUROD	Mono 2
## ACGGCCAGTAGCTCCG.1_13	YUROD	B 4
## ACGGCCATCAAACCGT.1_13	YUROD	B 2
## ACGGGCTAGCCCAATT.1_13	YUROD	B 1
## ACGGGCTAGCTAGCCC.1_13	YUROD	B 3
## ACGGGCTAGGCTCTTA.1_13	YUROD	B 6
## ACGGGCTCACATCCAA.1_13	YUROD	B 1
## ACGGGCTCACTTAAGC.1_13	YUROD	B 5
## ACGGGCTTCAAGGTAA.1_13	YUROD	B 5
## ACGGGCTTACCCGAG.1_13	YUROD	B 5
## ACGGGCTTCCTTTACA.1_13	YUROD	B 1
## ACGGGTCAGACTTTTCG.1_13	YUROD	B 5
## ACGGGTCGTTGGTAAA.1_13	YUROD	B 3
## ACGGGTCTCCTGTACC.1_13	YUROD	B 3

## ACGTCAAAGAAAGTGG.1_13	YUROD	CD4T 3
## ACGTCAAAGAGCCTAG.1_13	YUROD	B 4
## ACGTCAAAGTACGATA.1_13	YUROD	B 3
## ACGTCAAAGTTAAGTG.1_13	YUROD	B 1
## ACGTCAAGTCTTCTCG.1_13	YUROD	B 5
## ACGTCAAGTTCGTGAT.1_13	YUROD	CD4T 3
## ACGTCAATCCAGATCA.1_13	YUROD	B 3
## ACTATCTAGGGTCTCC.1_13	YUROD	B 6
## ACTATCTGTTTACTCT.1_13	YUROD	Mono 8
## ACTATCTTCCATGAGT.1_13	YUROD	B 4
## ACTATCTTCGCATGAT.1_13	YUROD	CD4T 6
## ACTGAACAGCGTCTAT.1_13	YUROD	B 4
## ACTGAACGTAAGTGGC.1_13	YUROD	B 3
## ACTGAACGTCGGATCC.1_13	YUROD	B 1
## ACTGAACTCCCTCAGT.1_13	YUROD	B 3
## ACTGAACTCTGGGCCA.1_13	YUROD	Mono 8
## ACTGAGTAGCCACGCT.1_13	YUROD	Mono 4
## ACTGAGTAGTTGTCGT.1_13	YUROD	B 1
## ACTGAGTTCAAAGTAG.1_13	YUROD	B 4
## ACTGAGTTCCTCAGT.1_13	YUROD	B 4
## ACTGAGTTCGCCAAAT.1_13	YUROD	B 3
## ACTGAGTTCGCGTAGC.1_13	YUROD	B 3
## ACTGATGCACGAGAGT.1_13	YUROD	B 6
## ACTGATGGTTCCAACA.1_13	YUROD	B 3
## ACTGCTCGTCTCCAT.1_13	YUROD	B 6
## ACTGCTCGTCGCTTCT.1_13	YUROD	B 1
## ACTGCTCTCATTTGGG.1_13	YUROD	TNKT 2
## ACTGTCCGTAAGGGCT.1_13	YUROD	B 3
## ACTGTCCGTGTGAATA.1_13	YUROD	B 1
## ACTGTCCGTTATGTGC.1_13	YUROD	B 4
## ACTGTCCTCACCTCGT.1_13	YUROD	B 6
## ACTGTCCTCTCAAGTG.1_13	YUROD	B 5
## ACTTACTCAGCTGCAC.1_13	YUROD	B 6
## ACTTACTGTTTGGGCC.1_13	YUROD	B 4
## ACTTGTTAGCAACGGT.1_13	YUROD	B 5
## ACTTGTTTCAAGGCTCAC.1_13	YUROD	B 3
## ACTTGTTGTCCACTC.1_13	YUROD	Mono 8
## ACTTGTTTCCACGCAG.1_13	YUROD	NK 2
## ACTTGTTTCCATGCTC.1_13	YUROD	CD8T 2
## ACTTGTTTCTGACCTC.1_13	YUROD	B 4
## ACTTGTTTCTTCATGT.1_13	YUROD	B 5
## ACTTTCAGTGCCAGA.1_13	YUROD	B 3
## ACTTTCAGTAGCTGCC.1_13	YUROD	B 5
## ACTTTCAGTGTGAATA.1_13	YUROD	B 4
## ACTTTCATCAAGAAGT.1_13	YUROD	B 2
## ACTTTCATCAGCTCTC.1_13	YUROD	B 3
## ACTTTCATCTCGAGTA.1_13	YUROD	B 5
## AGAATAGCAGCCTGTG.1_13	YUROD	B 3
## AGAATAGGTAAACGCG.1_13	YUROD	Mono 2
## AGAATAGGTACGACCC.1_13	YUROD	B 1
## AGAATAGTCACTTACT.1_13	YUROD	B 3
## AGAATAGTCCGTCAA.1_13	YUROD	B 3
## AGAATAGTCGCATGAT.1_13	YUROD	B 4
## AGACGTTAGAATGTTG.1_13	YUROD	B 4

## AGACGTTAGGATGGAA.1_13	YUROD	B 2
## AGACGTTCAGCAGTTT.1_13	YUROD	B 3
## AGACGTTGTGTTCTTT.1_13	YUROD	B 1
## AGAGCGATCTATGTGG.1_13	YUROD	B 6
## AGAGCTTCAATGTTGC.1_13	YUROD	B 6
## AGAGCTTGTGTGAATA.1_13	YUROD	B 5
## AGAGCTTTCAAGCCTA.1_13	YUROD	B 3
## AGAGCTTTCTGCGTAA.1_13	YUROD	B 6
## AGAGTGGAGGAGTTTA.1_13	YUROD	B 4
## AGAGTGGGTAGGCATG.1_13	YUROD	B 3
## AGATCTGAGAGGTTAT.1_13	YUROD	B 3
## AGATCTGCACGAAGCA.1_13	YUROD	B 1
## AGATCTGGTGAAATCA.1_13	YUROD	Mono 9
## AGATCTGTCTAGAGTC.1_13	YUROD	CD4T 6
## AGATTGCAGGTGCACA.1_13	YUROD	CD4T 3
## AGATTGCAGTGCCATT.1_13	YUROD	B 6
## AGATTGCCAATAGCAA.1_13	YUROD	B 5
## AGATTGCCAATGTTGC.1_13	YUROD	B 5
## AGATTGCGTCTTCAAG.1_13	YUROD	CD8T 2
## AGATTGCTCTTAGCCC.1_13	YUROD	B 5
## AGCAGCCAGAGACTTA.1_13	YUROD	B 1
## AGCAGCCAGGAATGGA.1_13	YUROD	B 5
## AGCAGCCCAGCCAATT.1_13	YUROD	B 3
## AGCAGCCGTAAGGATT.1_13	YUROD	B 5
## AGCAGCCGTGTTTCGAT.1_13	YUROD	CD4T 6
## AGCATACGTTGAGGTG.1_13	YUROD	B 6
## AGCATACTCAACGGCC.1_13	YUROD	B 4
## AGCATACTCATAAAGG.1_13	YUROD	CD4T 1
## AGCCTAAAGCTGCCCC.1_13	YUROD	B 3
## AGCCTAACACATTTCT.1_13	YUROD	B 4
## AGCCTAATCGTCCGTT.1_13	YUROD	B 5
## AGCGGTCAGTACACCT.1_13	YUROD	Mono 4
## AGCGGTCCAGACAGGT.1_13	YUROD	TNKT 1
## AGCGGTCCAGTACACT.1_13	YUROD	B 1
## AGCGGTCGTCTTCAAG.1_13	YUROD	B 1
## AGCGGTCTCGACGGAA.1_13	YUROD	Mono 4
## AGCGTATCAAGGGTCA.1_13	YUROD	B 3
## AGCGTATCATTAGCCA.1_13	YUROD	B 6
## AGCGTATGTACGCTGC.1_13	YUROD	B 5
## AGCGTATGTCAGAAGC.1_13	YUROD	CD8T 1
## AGCGTCGAGCGTGTCC.1_13	YUROD	B 1
## AGCGTCGAGGATCGCA.1_13	YUROD	B 3
## AGCGTCGATTGAGCT.1_13	YUROD	B 4
## AGCGTCGGTACAGTT.1_13	YUROD	B 5
## AGCGTCGGTGCCTCT.1_13	YUROD	Mono 9
## AGCTCCTGTTATGTGC.1_13	YUROD	B 6
## AGCTCCTTCCGCATAA.1_13	YUROD	B 1
## AGCTCCTTCTGTCTAT.1_13	YUROD	B 6
## AGCTCTCCAAGAGGCT.1_13	YUROD	B 1
## AGCTCTCCACATAACC.1_13	YUROD	B 4
## AGCTCTCCAGCGATCC.1_13	YUROD	B 4
## AGCTCTCTCAACACAC.1_13	YUROD	B 6
## AGCTCTCTCCAAGTAC.1_13	YUROD	Mono 8
## AGCTCTCTCGTGGTCG.1_13	YUROD	B 3

## AGCTCTCTCTTGCATT.1_13	YUROD	B 3
## AGCTTGACATATACGC.1_13	YUROD	CD8T 2
## AGCTTGAGTCCATGAT.1_13	YUROD	CD4T 6
## AGCTTGAGTGCAACTT.1_13	YUROD	B 3
## AGCTTGAGTTCTGGTA.1_13	YUROD	B 3
## AGCTTGATCACCGGT.1_13	YUROD	B 5
## AGCTTGATCGTGGACC.1_13	YUROD	CD8T 2
## AGCTTGATCTATCCCG.1_13	YUROD	B 3
## AGGCCACAGTTAAGTG.1_13	YUROD	B 5
## AGGCCACGTAGAGGAA.1_13	YUROD	NK 2
## AGGCCACTCCTTGGTC.1_13	YUROD	CD4T 6
## AGGCCGTCAATGTTGC.1_13	YUROD	B 4
## AGGCCGTCTCTCGCT.1_13	YUROD	Mono 2
## AGGCCGTGTATTCTCT.1_13	YUROD	B 3
## AGGCCGTGTCAAACCTC.1_13	YUROD	B 3
## AGGCCGTTTCGCCTGAG.1_13	YUROD	B 6
## AGGGAGTAGTACCGGA.1_13	YUROD	B 3
## AGGGAGTCATCTCCCA.1_13	YUROD	B 3
## AGGGAGTGTGAGGGAG.1_13	YUROD	B 4
## AGGGAGTTCATGTGGT.1_13	YUROD	B 3
## AGGGAGTTCGAGCCA.1_13	YUROD	B 3
## AGGGAGTTCCTAGGGC.1_13	YUROD	B 4
## AGGGAGTTCCTACCGC.1_13	YUROD	B 3
## AGGGATGAGCTTTGGT.1_13	YUROD	B 1
## AGGGATGCATCCTTGC.1_13	YUROD	B 1
## AGGGATGGTTGCGCAC.1_13	YUROD	B 1
## AGGGTGAAGCCAGTAG.1_13	YUROD	B 3
## AGGGTGATCATTGCCC.1_13	YUROD	B 4
## AGGGTGATCTCTAAGG.1_13	YUROD	B 3
## AGGTCATCAATGGAAT.1_13	YUROD	B 5
## AGGTCATGTCAGGACA.1_13	YUROD	B 4
## AGGTCATTACCTTAT.1_13	YUROD	NK 3
## AGGTCATTATCGATG.1_13	YUROD	B 6
## AGGTCATTCCAGTATG.1_13	YUROD	B 3
## AGGTCATTCCGCGGTA.1_13	YUROD	B 4
## AGGTCATTCTGTCTCG.1_13	YUROD	B 2
## AGGTCATTCTGTCTCG.1_13	YUROD	B 4
## AGGTCCGCATCCGGGT.1_13	YUROD	B 5
## AGGTCCGCATGTCTCC.1_13	YUROD	B 4
## AGGTCCGGTCAGGACA.1_13	YUROD	TNKT 2
## AGTAGTCAGCTCCTTC.1_13	YUROD	B 5
## AGTAGTCCATAGGATA.1_13	YUROD	B 1
## AGTAGTCCATGGTCTA.1_13	YUROD	B 5
## AGTAGTCGTAGATTAG.1_13	YUROD	B 1
## AGTAGTCGTGCAACTT.1_13	YUROD	B 1
## AGTAGTCGTTCGTTGA.1_13	YUROD	B 4
## AGTAGTCTCGGTGTTA.1_13	YUROD	B 1
## AGTCTTTAGTGACTCT.1_13	YUROD	B 5
## AGTCTTTCAGCTCGCA.1_13	YUROD	B 4
## AGTCTTTCATGAACCT.1_13	YUROD	Mono 4
## AGTCTTTCAGTTTGG.1_13	YUROD	B 4
## AGTCTTTCCTTTCGG.1_13	YUROD	B 5
## AGTCTTTCGTACGGC.1_13	YUROD	B 3
## AGTGAGGCAAAGGTGC.1_13	YUROD	B 1

## AGTGAGGTCACATGCA.1_13	YUROD	B 5
## AGTGAGGTCAGATAAG.1_13	YUROD	B 5
## AGTGGGAAGGCGCTCT.1_13	YUROD	CD4T 3
## AGTGGGACAAGCGCTC.1_13	YUROD	B 5
## AGTGGGACAGCCTTGG.1_13	YUROD	B 3
## AGTGGGAGTTCACGGC.1_13	YUROD	CD8T 2
## AGTGGGATCGCAAGCC.1_13	YUROD	B 1
## AGTGTCAAGCTGAAAT.1_13	YUROD	B 1
## AGTGTACATCCCACT.1_13	YUROD	B 4
## AGTGTCAAGTCCACTC.1_13	YUROD	B 5
## AGTGTATCCTCAACC.1_13	YUROD	B 6
## AGTGTATCTGCTTGC.1_13	YUROD	B 1
## AGTTGGTCAGATAATG.1_13	YUROD	CD8T 2
## AGTTGGTCATGTCTCC.1_13	YUROD	NK 3
## AGTTGGTGTGCGGAAA.1_13	YUROD	B 1
## AGTTGGTTCCCGACTT.1_13	YUROD	B 3
## ATAACGCAGAGCTGGT.1_13	YUROD	B 1
## ATAACGCAGATCTGCT.1_13	YUROD	B 4
## ATAACGCGTGCGGTAA.1_13	YUROD	B 3
## ATAACGCTCGTATCAG.1_13	YUROD	Mono 8
## ATAACGCTCGTTGCCT.1_13	YUROD	B 3
## ATAAGAGAGTCTCCT.1_13	YUROD	B 3
## ATAAGAGCACGAAGCA.1_13	YUROD	B 3
## ATAAGAGGTTACGTCA.1_13	YUROD	B 4
## ATAAGAGTCCATGAGT.1_13	YUROD	CD4T 3
## ATAAGAGTCTTAACCT.1_13	YUROD	B 1
## ATAGACCAGGAGTACC.1_13	YUROD	B 5
## ATAGACCAGGCCCGTT.1_13	YUROD	B 5
## ATAGACCAGTAAGTAC.1_13	YUROD	TNKT 2
## ATAGACCCACTCGACG.1_13	YUROD	B 6
## ATAGACCTCCCTAACC.1_13	YUROD	B 1
## ATAGACCTCCGTTGTC.1_13	YUROD	B 3
## ATAGACCTCGGCTTGG.1_13	YUROD	B 6
## ATCACGAAGTCACGCC.1_13	YUROD	B 1
## ATCACGAAGTGACTCT.1_13	YUROD	Mono 4
## ATCACGAGTTTGACTG.1_13	YUROD	B 1
## ATCATCTCAACCGCCA.1_13	YUROD	Mono 2
## ATCATGGAGACTGGGT.1_13	YUROD	B 4
## ATCATGGAGGTGACCA.1_13	YUROD	B 4
## ATCATGGCATACTCTT.1_13	YUROD	B 1
## ATCATGGGTAGGGACT.1_13	YUROD	CD4T 3
## ATCCACCAGCCTCGTG.1_13	YUROD	CD8T 2
## ATCCACCAGGCATGGT.1_13	YUROD	B 1
## ATCCACCCACTTCTGC.1_13	YUROD	B 3
## ATCCACCCAGGCAGTA.1_13	YUROD	B 4
## ATCCACCTCAGCTCGG.1_13	YUROD	B 5
## ATCCGAAAGTAACCCT.1_13	YUROD	B 6
## ATCCGAACAGCGTAAG.1_13	YUROD	CD4T 7
## ATCCGAACATGTCTCC.1_13	YUROD	B 1
## ATCCGAAGTAGCAAAT.1_13	YUROD	B 4
## ATCCGAATCATGGTCA.1_13	YUROD	B 4
## ATCGAGTAGGACAGCT.1_13	YUROD	B 4
## ATCGAGTAGTATGACA.1_13	YUROD	B 3
## ATCGAGTCACATGGGA.1_13	YUROD	B 4

## ATCGAGTGTAGAGTGC.1_13	YUROD	B 1
## ATCGAGTGTGTGGCTC.1_13	YUROD	CD4T 6
## ATCTACTAGTACGATA.1_13	YUROD	B 1
## ATCTACTAGTATCTCG.1_13	YUROD	B 3
## ATCTACTCAACAACCT.1_13	YUROD	B 4
## ATCTACTGTTAAGAAC.1_13	YUROD	CD4T 7
## ATCTACTTCTAACCGA.1_13	YUROD	CD8T 2
## ATCTACTTCTGAGTGT.1_13	YUROD	B 5
## ATCTGCCCCAAGTTCTG.1_13	YUROD	B 5
## ATCTGCCCATAACCATG.1_13	YUROD	B 5
## ATCTGCCGTTTAGCTG.1_13	YUROD	B 1
## ATCTGCCCTCCCTCAGT.1_13	YUROD	B 1
## ATGAGGGCAGGCTGAA.1_13	YUROD	B 3
## ATGAGGGGTCAATGTC.1_13	YUROD	B 2
## ATGCGATAGTGAACGC.1_13	YUROD	B 2
## ATGCGATAGTTTAGGA.1_13	YUROD	B 1
## ATGCGATGTCGGATCC.1_13	YUROD	B 6
## ATGCGATGTCTCAACA.1_13	YUROD	B 5
## ATGCGATTCAAACCAC.1_13	YUROD	CD8T 2
## ATGCGATTCCAATGGT.1_13	YUROD	B 2
## ATGCGATTCTTAGAGC.1_13	YUROD	B 4
## ATGGGAGCATCGGGTC.1_13	YUROD	Mono 9
## ATGGGAGGTCCGAGTC.1_13	YUROD	B 3
## ATGTGTGCACCGTTGG.1_13	YUROD	Mono 4
## ATGTGTGCAGTCGATT.1_13	YUROD	B 5
## ATGTGTGTCCTTGACC.1_13	YUROD	B 1
## ATTACTCAGCAGATCG.1_13	YUROD	B 1
## ATTACTCCACACATGT.1_13	YUROD	B 4
## ATTACTCCATGAACCT.1_13	YUROD	B 1
## ATTACTCCATGGATGG.1_13	YUROD	B 1
## ATTACTCGTACATGTC.1_13	YUROD	B 3
## ATTACTCTCAACACCA.1_13	YUROD	Mono 4
## ATTATCCAGAACAACCT.1_13	YUROD	B 6
## ATTATCCAGGGTTCCC.1_13	YUROD	B 1
## ATTATCCGTAAGTAC.1_13	YUROD	B 4
## ATTATCCTCAGTACGT.1_13	YUROD	B 1
## ATTCTACAGTTACCCA.1_13	YUROD	B 1
## ATTCTACAGTGGAGT.1_13	YUROD	B 1
## ATTCTACCATCGATGT.1_13	YUROD	B 5
## ATTCTACCATATCTC.1_13	YUROD	Mono 8
## ATTCTACGTACACCGC.1_13	YUROD	B 4
## ATTCTACGTTACAGAA.1_13	YUROD	B 4
## ATTGGACAGGATGGTC.1_13	YUROD	B 4
## ATTGGACAGTAGGTGC.1_13	YUROD	B 5
## ATTGGACCATAACAGCT.1_13	YUROD	B 1
## ATTGGTGAGCGTGTCC.1_13	YUROD	B 1
## ATTGGTGCAAGCGAGT.1_13	YUROD	Mono 4
## ATTGGTGACGGCGTT.1_13	YUROD	B 1
## ATTGGTGACGGCAGTA.1_13	YUROD	B 3
## ATTGGTGGTATTCTCT.1_13	YUROD	CD4T 1
## ATTGGTGGTCTAAAGA.1_13	YUROD	B 5
## ATTGGTGGTCTCTCTG.1_13	YUROD	B 3
## ATTTCTGCAAGCTGAG.1_13	YUROD	B 5
## ATTTCTGCATGGTCAT.1_13	YUROD	B 1

## ATTTCTGGTTGAACTC.1_13	YUROD	B 1
## ATTTCTGTCAACGCTA.1_13	YUROD	CD4T 3
## ATTTCTGTCAACGGGA.1_13	YUROD	Mono 4
## CAACCAAAGATGTCGG.1_13	YUROD	TNKT 1
## CAACCAAAGTGAATTG.1_13	YUROD	B 3
## CAACCAAAGTGTGAAT.1_13	YUROD	B 1
## CAACCAAGTACGCACC.1_13	YUROD	B 3
## CAACCAATCACATACG.1_13	YUROD	B 4
## CAACCTCAGACTCGGA.1_13	YUROD	TNKT 2
## CAACCTCAGAGACTTA.1_13	YUROD	B 5
## CAACCTCGTGACGCCT.1_13	YUROD	B 3
## CAACTAGAGGTGACCA.1_13	YUROD	B 4
## CAACTAGCAAGGCTCC.1_13	YUROD	B 1
## CAACTAGCACGGTAAG.1_13	YUROD	B 3
## CAACTAGCACGGTAGA.1_13	YUROD	CD4T 2
## CAACTAGCACTTGGAT.1_13	YUROD	B 4
## CAAGAAACAAGTTGTC.1_13	YUROD	B 5
## CAAGAAATCCAAGTAC.1_13	YUROD	B 5
## CAAGATCAGAGCTTCT.1_13	YUROD	B 5
## CAAGATCAGAGTTGGC.1_13	YUROD	Mono 2
## CAAGATCAGTTAAGTG.1_13	YUROD	B 6
## CAAGATCTCCCTAATT.1_13	YUROD	B 1
## CAAGGCCAGCGACGTA.1_13	YUROD	B 5
## CAAGGCCCAGACACTT.1_13	YUROD	B 3
## CAAGTTGCAGGGTTAG.1_13	YUROD	B 3
## CAAGTTGCATCACGAT.1_13	YUROD	B 3
## CAAGTTGTCCGTTGTC.1_13	YUROD	B 1
## CACAAACGTGAGCGAT.1_13	YUROD	CD4T 6
## CACACAAAGTCGTACT.1_13	YUROD	B 1
## CACACAAGTATCGCAT.1_13	YUROD	TNKT 2
## CACACAAGTGCTTCTC.1_13	YUROD	B 5
## CACACAAGTTCCCGAG.1_13	YUROD	B 5
## CACACCTAGAGGGATA.1_13	YUROD	B 4
## CACACCTCATTGGTAC.1_13	YUROD	B 3
## CACACCTTCCTGCCAT.1_13	YUROD	B 4
## CACTCAGGTGTTAA.1_13	YUROD	B 3
## CACTCCAACACGCC.1_13	YUROD	Mono 4
## CACTCCACTTCTGC.1_13	YUROD	B 5
## CACTCCAGGGAGAG.1_13	YUROD	B 1
## CACTCGTTACGCGC.1_13	YUROD	B 5
## CACTCTCCGCATCT.1_13	YUROD	B 4
## CACAGGCGTAAGCACG.1_13	YUROD	B 3
## CACAGTAAGTTGCAGG.1_13	YUROD	B 1
## CACAGTACAATCTGCA.1_13	YUROD	B 3
## CACAGTACAGGTGGAT.1_13	YUROD	B 5
## CACATAGCACTGTCGG.1_13	YUROD	B 1
## CACATAGCAGTCGTGC.1_13	YUROD	B 1
## CACATAGGTCGAGTTT.1_13	YUROD	B 5
## CACATAGGTCGCTTTC.1_13	YUROD	B 1
## CACATAGGTCTAAAGA.1_13	YUROD	B 1
## CACATAGGTGAGGGTT.1_13	YUROD	B 6
## CACATAGGTTACGTCA.1_13	YUROD	B 5
## CACATAGTCACAGTAC.1_13	YUROD	B 1
## CACATTTAGCCCAATT.1_13	YUROD	B 5

## CACATTTAGGCTCTTA.1_13	YUROD	B 4
## CACATTTCAAGCGATG.1_13	YUROD	B 4
## CACATTTGTGTTTCGAT.1_13	YUROD	CD4T 6
## CACATTTGTTTCGCTC.1_13	YUROD	Mono 5
## CACATTTTCTTAGCCC.1_13	YUROD	B 5
## CACCACTAGTGTTAGA.1_13	YUROD	B 4
## CACCACTCAAGCCATT.1_13	YUROD	B 3
## CACCACTCAGCTATTG.1_13	YUROD	B 1
## CACCACTGTCATGCAT.1_13	YUROD	Mono 5
## CACCACTTCACGGTTA.1_13	YUROD	B 4
## CACCAGGAGAAGGTGA.1_13	YUROD	B 1
## CACCAGGCACGACTCG.1_13	YUROD	B 5
## CACCAGGCATACTCTT.1_13	YUROD	B 5
## CACCAGGCATCTGGTA.1_13	YUROD	Mono 8
## CACCAGGTCGAATGGG.1_13	YUROD	B 1
## CACCTTGAGTGTCTCA.1_13	YUROD	B 1
## CACCTTGCACTTCTGC.1_13	YUROD	B 6
## CACCTTGGTAAACCTC.1_13	YUROD	B 5
## CACTCCAAGCCAACAG.1_13	YUROD	B 4
## CACTCCAAGCGAGAAA.1_13	YUROD	B 4
## CACTCCAAGTTAAGTG.1_13	YUROD	TNKT 2
## CACTCCACAGCAGTTT.1_13	YUROD	B 5
## CACTCCACATCGATGT.1_13	YUROD	Mono 8
## CACTCCACATGCAACT.1_13	YUROD	B 4
## CACTCCAGTCTGCAAT.1_13	YUROD	B 6
## CAGAATCAGAGACGAA.1_13	YUROD	Mono 4
## CAGAATCTCGAGAACG.1_13	YUROD	B 5
## CAGAATCTCTGCGGCA.1_13	YUROD	TNKT 1
## CAGAGAGGTGCAGGTA.1_13	YUROD	B 6
## CAGAGAGGTGTTTGTG.1_13	YUROD	B 4
## CAGAGAGGTTAAGGGC.1_13	YUROD	B 1
## CAGAGAGGTTCCGTCT.1_13	YUROD	B 6
## CAGATCAAGACTCGGA.1_13	YUROD	B 5
## CAGATCAAGAGTAATC.1_13	YUROD	B 3
## CAGATCAAGTAGATGT.1_13	YUROD	B 1
## CAGCAGCAGCCCTAAT.1_13	YUROD	B 3
## CAGCAGCAGTAACCCT.1_13	YUROD	B 6
## CAGCATAAGGCGCTCT.1_13	YUROD	B 3
## CAGCATACATTTGCTT.1_13	YUROD	B 3
## CAGCATAGTTAAAGAC.1_13	YUROD	B 5
## CAGCATATCCACTGGG.1_13	YUROD	B 6
## CAGCCGAAGATGGGTC.1_13	YUROD	B 6
## CAGCCGAGTCATCCCT.1_13	YUROD	B 6
## CAGCCGATCTCCGGTT.1_13	YUROD	B 6
## CAGCGACCACAGCCA.1_13	YUROD	B 6
## CAGCGACGTCTAGCG.1_13	YUROD	B 3
## CAGCGACTCAAGGTAA.1_13	YUROD	B 1
## CAGCGACTCGCCCTTA.1_13	YUROD	B 3
## CAGCGACTCTTTCCTC.1_13	YUROD	B 5
## CAGCTAAGTCCCGAG.1_13	YUROD	B 1
## CAGCTAATCCCGGATG.1_13	YUROD	CD4T 3
## CAGCTGGAGCCCAATT.1_13	YUROD	B 1
## CAGCTGGAGGGTGTGT.1_13	YUROD	B 6
## CAGCTGGCAGACAAGC.1_13	YUROD	B 3

## CAGCTGGGTCGATTGT.1_13	YUROD	NK 2
## CAGTAACCAGGTGGAT.1_13	YUROD	B 1
## CAGTAACTCAATCTCT.1_13	YUROD	B 5
## CAGTAACTCCCGACTT.1_13	YUROD	Mono 8
## CAGTAACTCCTTGGTC.1_13	YUROD	B 3
## CAGTAACTCGTCCGTT.1_13	YUROD	B 1
## CAGTAACTCTCCCTGA.1_13	YUROD	Mono 8
## CAGTCCTCAGGTCGTC.1_13	YUROD	B 6
## CAGTCCTCATCTCGCT.1_13	YUROD	B 5
## CATATGGAGAGTGACC.1_13	YUROD	Mono 4
## CATATGGAGGCAGTCA.1_13	YUROD	Mono 6
## CATATGGCATCAGTAC.1_13	YUROD	B 1
## CATATGGTCTATCGCC.1_13	YUROD	B 3
## CATATGGTCTCGCTTG.1_13	YUROD	B 3
## CATATTCCAAATACAG.1_13	YUROD	B 4
## CATATTCCATCGATTG.1_13	YUROD	TNKT 2
## CATATTCTCCCGGATG.1_13	YUROD	B 5
## CATCAAGCATTGGTAC.1_13	YUROD	B 3
## CATCAAGGTATTACCG.1_13	YUROD	B 5
## CATCAAGGTATTCTCT.1_13	YUROD	B 3
## CATCAGAAGAGAGCTC.1_13	YUROD	B 5
## CATCAGAAGCCGTCGT.1_13	YUROD	CD4T 6
## CATCAGAAGGACCACA.1_13	YUROD	B 5
## CATCAGAGTTGCGTTA.1_13	YUROD	B 3
## CATCAGATCGTGACAT.1_13	YUROD	B 1
## CATCCACAGTCTCGGC.1_13	YUROD	B 1
## CATCCACCACACCGCA.1_13	YUROD	B 1
## CATCCACGTCCGAAGA.1_13	YUROD	B 5
## CATCCACGTTGCTCCT.1_13	YUROD	TNKT 1
## CATCCACTCTGTTGAG.1_13	YUROD	B 4
## CATCGAACATGGGACA.1_13	YUROD	B 1
## CATCGAAGTTCTGAAC.1_13	YUROD	B 3
## CATCGAATCCACTGGG.1_13	YUROD	B 4
## CATCGAATCGTTACGA.1_13	YUROD	B 3
## CATCGGGAGCCATCGC.1_13	YUROD	CD8T 2
## CATCGGGAGCCGATTT.1_13	YUROD	Mono 2
## CATGACAAGGAGTAGA.1_13	YUROD	B 3
## CATGACAAGTCACGCC.1_13	YUROD	B 1
## CATGCCTAGTGGTAAT.1_13	YUROD	B 3
## CATGCCTCAGCTGTGC.1_13	YUROD	B 4
## CATGCCTGTAGAGTGC.1_13	YUROD	B 5
## CATGCCTGTCAAAGAT.1_13	YUROD	B 1
## CATGCCTTCATAGCAC.1_13	YUROD	B 1
## CATGCCTTCTTGAGAC.1_13	YUROD	B 1
## CATGCCTTCTTTACGT.1_13	YUROD	B 2
## CATGGCGAGCTAGTTC.1_13	YUROD	B 1
## CATGGCGGTCTAGAAGC.1_13	YUROD	B 3
## CATGGCGGTCTAGAGG.1_13	YUROD	B 2
## CATGGCGGTGGGACA.1_13	YUROD	B 4
## CATTATCAGTACGCGA.1_13	YUROD	B 3
## CATTGCGTAGAGTGC.1_13	YUROD	B 5
## CATTGCTCACTTACT.1_13	YUROD	B 1
## CCAATCCAGAGCCTAG.1_13	YUROD	B 4
## CCAATCCAGATGTGGC.1_13	YUROD	B 4

## CCAATCCGTGCGATAG.1_13	YUROD	B 4
## CCAATCCGTTACGGAG.1_13	YUROD	Mono 4
## CCAATCCTCAACACAC.1_13	YUROD	B 4
## CCAATCCTCAGCAACT.1_13	YUROD	B 1
## CCACCTAGTAGAGTGC.1_13	YUROD	B 3
## CCACCTATCCACGAAT.1_13	YUROD	B 1
## CCACCTATCCGAGCCA.1_13	YUROD	B 6
## CCACGGACATGACGGA.1_13	YUROD	B 3
## CCACGGACATTAGCCA.1_13	YUROD	B 5
## CCACGGAGTGTGAAAT.1_13	YUROD	B 4
## CCACGGATCATAAAGG.1_13	YUROD	CD8T 1
## CCACGGATCTGTACGA.1_13	YUROD	B 3
## CCACTACAGCGGCTTC.1_13	YUROD	B 3
## CCACTACAGTACCGGA.1_13	YUROD	B 3
## CCACTACCACGGCGTT.1_13	YUROD	B 2
## CCACTACCAGCGATCC.1_13	YUROD	B 4
## CCACTACCATGCCACG.1_13	YUROD	Mono 2
## CCACTACTCTTGTTTG.1_13	YUROD	B 5
## CCAGCGAAGTACACCT.1_13	YUROD	B 6
## CCAGCGAGTCGACTGC.1_13	YUROD	B 3
## CCATGTCCAAACCCAT.1_13	YUROD	B 1
## CCATGTCTGTGTGACCC.1_13	YUROD	B 5
## CCATGTCTCACCTCGT.1_13	YUROD	B 6
## CCATGTCTCATGTGGT.1_13	YUROD	TNKT 1
## CCATGTCTCCCGACTT.1_13	YUROD	B 6
## CCATTCTGTCAGTAGT.1_13	YUROD	CD4T 4
## CCATTCTGCTAACTTC.1_13	YUROD	B 1
## CCAATCAGCCGGTAA.1_13	YUROD	B 5
## CCAATCAGGCAATTA.1_13	YUROD	B 1
## CCAATCGTGAGTATA.1_13	YUROD	B 1
## CCAATCGTTAGATGA.1_13	YUROD	B 3
## CCAATCTCGTACGGC.1_13	YUROD	B 1
## CCCAGTTAGGTGATAT.1_13	YUROD	B 3
## CCCAGTTCACTTAAGC.1_13	YUROD	B 6
## CCCAGTTCATGTTGAC.1_13	YUROD	TNKT 2
## CCCAGTTTCCTTTCTC.1_13	YUROD	B 3
## CCTCCTAGAAGGACA.1_13	YUROD	B 3
## CCTCCTCACGCGAAA.1_13	YUROD	B 4
## CCTCCTCATCCCATC.1_13	YUROD	B 5
## CCTCCTGTCGCCATG.1_13	YUROD	Mono 4
## CCTCCTTCATCGATG.1_13	YUROD	B 3
## CCTCCTTCTTACCTA.1_13	YUROD	B 5
## CCGGGATAGTCCCACG.1_13	YUROD	B 4
## CCGGGATCAGACAAAT.1_13	YUROD	B 1
## CCGGGATGTGACGGTA.1_13	YUROD	B 3
## CCGGTAGAGAGTTGGC.1_13	YUROD	B 3
## CCGGTAGAGGTCATCT.1_13	YUROD	B 3
## CCGGTAGCAAGTCTGT.1_13	YUROD	Mono 8
## CCGGTAGCAGGGCATA.1_13	YUROD	CD4T 6
## CCGTACTAGCCAGAAC.1_13	YUROD	CD4T 7
## CCGTACTAGGGAGTAA.1_13	YUROD	B 6
## CCGTACTCAGGTTTCA.1_13	YUROD	B 6
## CCGTACTGTAAGTTCC.1_13	YUROD	B 4
## CCGTACTGTATCAGTC.1_13	YUROD	Mono 8

## CCGTGGAAGTTTAGGA.1_13	YUROD	B 5
## CCGTGGACATGGTTGT.1_13	YUROD	B 3
## CCGTGGATCCAGTATG.1_13	YUROD	B 4
## CCGTGGATCTGGCGAC.1_13	YUROD	B 3
## CCGTTCACACACCGCA.1_13	YUROD	B 6
## CCGTTCACACAGATTC.1_13	YUROD	B 6
## CCGTTCAGTAGGAGTC.1_13	YUROD	CD4T 7
## CCGTTCAGTCGACTGC.1_13	YUROD	B 6
## CCGTTCATCACTATTC.1_13	YUROD	B 4
## CCGTTCATCTTGACGA.1_13	YUROD	B 3
## CCTAAAGAGCCCAGCT.1_13	YUROD	B 3
## CCTAAAGAGTGCTGCC.1_13	YUROD	B 1
## CCTAAAGCAGTCAGAG.1_13	YUROD	B 5
## CCTAAAGCATGAACCT.1_13	YUROD	CD8T 1
## CCTAAAGGTTCCAACA.1_13	YUROD	CD4T 3
## CCTAAAGTCATTGCGA.1_13	YUROD	B 1
## CCTAAAGTCGCGGATC.1_13	YUROD	B 6
## CCTAAAGTCGTTGCCT.1_13	YUROD	B 4
## CCTAAAGTCTGACCTC.1_13	YUROD	B 4
## CCTAAAGTCTGCTGTC.1_13	YUROD	B 5
## CCTAAAGTCTGTGAA.1_13	YUROD	B 1
## CCTACACAGTACGCCC.1_13	YUROD	CD8T 2
## CCTACACTCCAATGGT.1_13	YUROD	B 4
## CCTACACTCCGCGGTA.1_13	YUROD	B 1
## CCTACACTCGTTGACA.1_13	YUROD	B 3
## CCTACCAAGACTAAGT.1_13	YUROD	B 3
## CCTACCACACAGCCCA.1_13	YUROD	B 4
## CCTACCACAGGATTGG.1_13	YUROD	B 5
## CCTACCAGTAAGTTCC.1_13	YUROD	B 1
## CCTACCAGTATTCGTG.1_13	YUROD	B 5
## CCTACCAGTCGGGTCT.1_13	YUROD	B 4
## CCTACCATCGTGAGT.1_13	YUROD	B 3
## CCTAGCTGTCTTGTCC.1_13	YUROD	B 5
## CCTATTAAGTTCGATC.1_13	YUROD	B 5
## CCTATTAGTCCGAAGA.1_13	YUROD	B 6
## CCTATTAGTCTAGCCG.1_13	YUROD	B 1
## CCTATTAGTGATAAAC.1_13	YUROD	B 5
## CCTCAGTCACCGGAAA.1_13	YUROD	B 6
## CCTCAGTCAGCGATCC.1_13	YUROD	B 1
## CCTCAGTGTGTCTTT.1_13	YUROD	B 3
## CCTCAGTTCGGGAGTA.1_13	YUROD	B 3
## CCTCTGAAGCTCCTTC.1_13	YUROD	B 4
## CCTCTGAAGGGCATGT.1_13	YUROD	B 4
## CCTCTGAAGTGGGATC.1_13	YUROD	B 1
## CCTCTGACAGCGTAAG.1_13	YUROD	CD4T 7
## CCTCTGAGTGCTTCTC.1_13	YUROD	B 5
## CCTCTGAGTCCGTCT.1_13	YUROD	B 1
## CCTCTGATCAACCATG.1_13	YUROD	B 3
## CCTCTGATCCGTAGGC.1_13	YUROD	B 4
## CCTCTGATCCGTCATC.1_13	YUROD	B 6
## CCTCTGATCTGTCCGT.1_13	YUROD	B 1
## CCTTACGAGACCACGA.1_13	YUROD	B 4
## CCTTACGCACGTGAGA.1_13	YUROD	B 1
## CCTTACGGTAGCGTGA.1_13	YUROD	CD4T 6

## CCTTACGGTCTTCAAG.1_13	YUROD	CD8T 1
## CCTTACGGTGAGGCTA.1_13	YUROD	B 4
## CCTTACGGTTCGGCA.1_13	YUROD	B 4
## CCTTACGTCAACGAAA.1_13	YUROD	CD4T 3
## CCTTACGTCCACGAAT.1_13	YUROD	TNKT 2
## CCTTACGTCTCAACC.1_13	YUROD	B 1
## CCTTACGTCTTGGTC.1_13	YUROD	B 1
## CCTTCCCCACAGATTC.1_13	YUROD	B 6
## CCTTCCCGTTGGTTTG.1_13	YUROD	B 4
## CCTTCCCTCACGACTA.1_13	YUROD	B 4
## CCTTCCCTCCGGCACA.1_13	YUROD	B 4
## CCTTCCCTCTCAACTT.1_13	YUROD	B 5
## CCTTCGAAGCTAACAA.1_13	YUROD	B 1
## CCTTCGAGTACCAGTT.1_13	YUROD	B 3
## CCTTCGATCCAGAGGA.1_13	YUROD	B 5
## CCTTCGATCTCTGAGA.1_13	YUROD	TNKT 1
## CCTTTCTAGTAAGTAC.1_13	YUROD	B 1
## CCTTTCTGTTTGCATG.1_13	YUROD	Mono 4
## CCTTTCTTCTGATTCT.1_13	YUROD	B 6
## CGAACATAGCGTGAAC.1_13	YUROD	B 1
## CGAACATAGGTGCTAG.1_13	YUROD	B 4
## CGAACATAGTCTTGCA.1_13	YUROD	CD4T 2
## CGAACATCATAACCTG.1_13	YUROD	B 5
## CGAACATGTCCAGTAT.1_13	YUROD	Mono 4
## CGAATGTAGTGAACAT.1_13	YUROD	B 1
## CGAATGTCAGGGCATA.1_13	YUROD	B 1
## CGAATGTCATACAGCT.1_13	YUROD	B 1
## CGAATGTCATTACGAC.1_13	YUROD	B 3
## CGAATGTGTGCCTGGT.1_13	YUROD	B 1
## CGAATGTGTTTGCATG.1_13	YUROD	B 1
## CGAATGTTACGATGT.1_13	YUROD	B 5
## CGACCTTCATCCGCGA.1_13	YUROD	Mono 4
## CGACCTTTCCGAGCCA.1_13	YUROD	B 6
## CGACCTTTCCGCTAGC.1_13	YUROD	B 1
## CGACTTCAGACCTTTG.1_13	YUROD	B 5
## CGACTTCAGATCACGG.1_13	YUROD	CD4T 7
## CGACTTCAGGTGCAAC.1_13	YUROD	B 3
## CGACTTCAGTGCTGCC.1_13	YUROD	B 5
## CGACTTCCACTCAGGC.1_13	YUROD	B 1
## CGACTTCGTGCAACTT.1_13	YUROD	CD4T 3
## CGAGAAGAGAACTCGG.1_13	YUROD	B 1
## CGAGAAGGTCGAAAGC.1_13	YUROD	B 1
## CGAGAAGTCTGATACG.1_13	YUROD	B 4
## CGAGCACGTCCATCCT.1_13	YUROD	B 1
## CGAGCACGTTCATGA.1_13	YUROD	B 1
## CGAGCACGTTTGTTTC.1_13	YUROD	B 1
## CGATCGGAGATAGTCA.1_13	YUROD	B 1
## CGATCGGAGGCTCATT.1_13	YUROD	B 6
## CGATCGGCAAGTCTAC.1_13	YUROD	B 1
## CGATCGGGTAGCGCAA.1_13	YUROD	B 1
## CGATCGGGTGTAATGA.1_13	YUROD	B 4
## CGATCGGTCAGTTCGA.1_13	YUROD	B 1
## CGATGGCGTTCGCGAC.1_13	YUROD	B 5
## CGATGGCGTTTCCACC.1_13	YUROD	CD4T 3

## CGATGTAAGATATACG.1_13	YUROD	CD4T 5
## CGATGTACAGTCAGCC.1_13	YUROD	B 3
## CGATGTAGTAGCGTAG.1_13	YUROD	CD8T 1
## CGATGTATCGGCGCTA.1_13	YUROD	CD4T 7
## CGATGTATCGTAGGTT.1_13	YUROD	B 1
## CGATTGAAGAAACGCC.1_13	YUROD	B 4
## CGCCAAGAGAGTACAT.1_13	YUROD	B 4
## CGCCAAGAGTCGAGTG.1_13	YUROD	B 1
## CGCCAAGCAAATTGCC.1_13	YUROD	TNKT 2
## CGCCAAGTCACTCCTG.1_13	YUROD	B 5
## CGCCAAGTCCAGATCA.1_13	YUROD	B 4
## CGCGGTAAGGTAAACT.1_13	YUROD	B 6
## CGCGGTAAGGTGTGGT.1_13	YUROD	B 3
## CGCGGTACATACTACG.1_13	YUROD	B 6
## CGCGGTAGTGTCTGAT.1_13	YUROD	B 4
## CGCGTTTATAGTGTTAG.1_13	YUROD	NK 3
## CGCGTTTATGTTAGGA.1_13	YUROD	NK 3
## CGCGTTTCACGCGAAA.1_13	YUROD	B 1
## CGCGTTTCATGTAAGA.1_13	YUROD	B 4
## CGCGTTTCATTAGGCT.1_13	YUROD	CD8T 1
## CGCGTTTGTAAACACA.1_13	YUROD	B 5
## CGCGTTTGTGAGAATA.1_13	YUROD	B 3
## CGCTATCAGGATGTAT.1_13	YUROD	B 1
## CGCTATCAGTTCACACA.1_13	YUROD	B 4
## CGCTATCCAATGTTGC.1_13	YUROD	B 5
## CGCTATCCAGTCGTGC.1_13	YUROD	B 1
## CGCTATCGTCCGCTGA.1_13	YUROD	B 1
## CGCTATCGTTACGACT.1_13	YUROD	B 4
## CGCTATCTCGCTAGCG.1_13	YUROD	B 5
## CGCTGGAAGGATGGTC.1_13	YUROD	B 4
## CGCTGGATCATCACCC.1_13	YUROD	B 4
## CGCTTCACACGAAATA.1_13	YUROD	B 4
## CGCTTCACATACGCTA.1_13	YUROD	B 4
## CGCTTCAGTTCGCGAC.1_13	YUROD	B 5
## CGCTTCATCATCGCTC.1_13	YUROD	B 1
## CGGACACGTGCGAAAC.1_13	YUROD	B 5
## CGGACACGTTCGTTGA.1_13	YUROD	B 5
## CGGACACTCCGAAGAG.1_13	YUROD	B 5
## CGGACGTAGAATTCCC.1_13	YUROD	B 1
## CGGACGTCAAGTTAAG.1_13	YUROD	B 5
## CGGACGTCACACGCTG.1_13	YUROD	NK 2
## CGGACGTCATGTTGAC.1_13	YUROD	B 5
## CGGACGTGTCCAGTTA.1_13	YUROD	CD4T 3
## CGGACGTGTCCCTACT.1_13	YUROD	B 1
## CGGACTGCACTTAAGC.1_13	YUROD	B 3
## CGGACTGCATAAAGGT.1_13	YUROD	CD4T 6
## CGGACTGTGCGGTTTC.1_13	YUROD	B 3
## CGGAGCTAGAATGTTG.1_13	YUROD	B 1
## CGGAGCTAGAGCCTAG.1_13	YUROD	B 3
## CGGAGCTAGGTGCTTT.1_13	YUROD	B 5
## CGGAGCTCATTCACCT.1_13	YUROD	B 4
## CGGAGCTTCCTCATT.1_13	YUROD	B 4
## CGGAGTCCATTCTTAC.1_13	YUROD	B 5
## CGGCTAGAGGTGACCA.1_13	YUROD	B 1

## CGGCTAGAGTCGTA	CT.1_13	YUROD	B 6
## CGGCTAGCACATGG	GA.1_13	YUROD	B 3
## CGGCTAGCATATGG	TC.1_13	YUROD	B 3
## CGGCTAGCATCATCC	.1_13	YUROD	B 5
## CGGGTCAAGAGCTGG	T.1_13	YUROD	B 2
## CGGGTCAAGGCCGTT	.1_13	YUROD	Mono 4
## CGGGTCAGTCAAAGC	G.1_13	YUROD	B 3
## CGGGTCATCCACGTT	C.1_13	YUROD	B 4
## CGGTAAAGGATGGAA	.1_13	YUROD	TNKT 2
## CGGTAAACACTCAGG	C.1_13	YUROD	B 3
## CGGTAAAGTTGCGCA	C.1_13	YUROD	B 5
## CGGTAAATCGCATGG	C.1_13	YUROD	B 5
## CGTAGCGAGAGGTAG	A.1_13	YUROD	B 1
## CGTAGCGAGTGGAGT	C.1_13	YUROD	B 3
## CGTAGCGTCAGAGGT	G.1_13	YUROD	B 5
## CGTAGGCCACCTGGT	G.1_13	YUROD	B 4
## CGTAGGCGTAGCACG	A.1_13	YUROD	B 3
## CGTAGGCGTGATGTG	G.1_13	YUROD	B 5
## CGTAGGCTCCTGCTT	G.1_13	YUROD	B 1
## CGTCACTAGCTTATCG	.1_13	YUROD	B 4
## CGTCACTAGTATCTCG	.1_13	YUROD	B 5
## CGTCACTCAAACCCAT	.1_13	YUROD	B 5
## CGTCACTCAGTGGGAT	.1_13	YUROD	B 3
## CGTCACTGTCGAAAGC	.1_13	YUROD	CD4T 3
## CGTCACTTCCTCAACC	.1_13	YUROD	B 3
## CGTCACTTCTGAGTGT	.1_13	YUROD	B 4
## CGTCAGGAGCGTCTAT	.1_13	YUROD	B 1
## CGTCAGGGTACCGGCT	.1_13	YUROD	B 1
## CGTCCATAGGTACGG	.1_13	YUROD	B 6
## CGTCCATGTCCGTCA	G.1_13	YUROD	B 1
## CGTCCATTCAAGGCTT	.1_13	YUROD	B 4
## CGTCTACCAGACGCTC	.1_13	YUROD	B 5
## CGTGAGCAGGGTTTCT	.1_13	YUROD	B 5
## CGTGAGCCACCAGATT	.1_13	YUROD	B 3
## CGTGAGCGTTGCTCCT	.1_13	YUROD	B 3
## CGTGAGCGTTTCGCTC	.1_13	YUROD	B 3
## CGTGAGCTCATTATCC	.1_13	YUROD	B 1
## CGTGAGCTCGCCAAAT	.1_13	YUROD	B 6
## CGTGTAAGACCACGA	.1_13	YUROD	Mono 8
## CGTGTAAGTTCACCTC	.1_13	YUROD	B 1
## CGTGTAATCAAACGGG	.1_13	YUROD	B 3
## CGTGTAATCGTTTATC	.1_13	YUROD	B 3
## CGTGTCTAGGGCTCTC	.1_13	YUROD	B 3
## CGTGTCTGTAACGCGA	.1_13	YUROD	B 5
## CGTGTCTGTACGCTGC	.1_13	YUROD	CD8T 2
## CGTGTCTTCAAGGTAA	.1_13	YUROD	B 2
## CGTGTCTTCACTTACT	.1_13	YUROD	Mono 9
## CGTGTCTTCCAAAGTC	.1_13	YUROD	B 2
## CGTTAGACAGTCGATT	.1_13	YUROD	CD4T 6
## CGTTAGAGTATCAGTC	.1_13	YUROD	B 3
## CGTTAGATCTCGTTTA	.1_13	YUROD	B 4
## CGTTCTGGTGTGGGA	.1_13	YUROD	B 4
## CGTTCTGGTTCAGACT	.1_13	YUROD	B 3
## CGTTGGGTCAAGGTAA	.1_13	YUROD	B 5

## CGTTGGGTCAGCACAT.1_13	YUROD	B 5
## CTAAGTTAGCTCCTTC.1_13	YUROD	Mono 9
## CTAAGTTGTTGTGGAG.1_13	YUROD	Mono 8
## CTAAGTTTCAGCTCGG.1_13	YUROD	B 5
## CTAAGACAGTGGGTTG.1_13	YUROD	B 4
## CTAAGACCAAAGGAAG.1_13	YUROD	B 6
## CTAAGACCAGTCAGAG.1_13	YUROD	B 4
## CTAAGACGTATAGGTA.1_13	YUROD	B 4
## CTAATGGAGCGTTTAC.1_13	YUROD	B 1
## CTAATGGGTCGCTTTC.1_13	YUROD	B 3
## CTAATGGGTCTTGCGG.1_13	YUROD	B 1
## CTACACCAGCGGATCA.1_13	YUROD	B 1
## CTACACCAGGTGCAAC.1_13	YUROD	B 6
## CTACACCGTCTTTCAT.1_13	YUROD	B 2
## CTACATTAGGAGTAGA.1_13	YUROD	B 4
## CTACATTAGGCCCTCA.1_13	YUROD	B 3
## CTACATTTCAGTAGAGC.1_13	YUROD	B 4
## CTACATTTCATGGTAGG.1_13	YUROD	B 1
## CTACATTTCCACTCCA.1_13	YUROD	B 5
## CTACCCAAGATCTGCT.1_13	YUROD	Mono 9
## CTACCCAAGCAGGTCA.1_13	YUROD	B 1
## CTACCCACAATAGAGT.1_13	YUROD	B 3
## CTACCCAGTACTCTCC.1_13	YUROD	B 5
## CTACCCAGTGCCTGCA.1_13	YUROD	B 3
## CTACGTCAGAAACCAT.1_13	YUROD	B 3
## CTACGTCAGAGCAATT.1_13	YUROD	B 4
## CTACGTCAGGAACGT.1_13	YUROD	B 3
## CTACGTCAGTAAGAT.1_13	YUROD	B 3
## CTACGTCAGTCGTGC.1_13	YUROD	B 3
## CTAGAGTAGAACTCGG.1_13	YUROD	B 3
## CTAGAGTCACAGATTC.1_13	YUROD	B 3
## CTAGAGTTCAATAAGG.1_13	YUROD	B 2
## CTAGAGTTCCTCGCAT.1_13	YUROD	B 5
## CTAGCCTAGACAGGCT.1_13	YUROD	B 4
## CTAGCCTAGCTCAACT.1_13	YUROD	B 5
## CTAGCCTAGCTGAAAT.1_13	YUROD	B 1
## CTAGCCTAGGATCGCA.1_13	YUROD	B 4
## CTAGCCTGTCTGCCAG.1_13	YUROD	B 4
## CTAGCCTGTTCGAATC.1_13	YUROD	B 6
## CTAGCCTTCACTTATC.1_13	YUROD	B 4
## CTAGCCTTCATACGGT.1_13	YUROD	B 5
## CTAGCCTTCCGCATCT.1_13	YUROD	B 3
## CTAGTGACACATAACC.1_13	YUROD	B 1
## CTAGTGACACTACAGT.1_13	YUROD	B 3
## CTAGTGACATGCCTAA.1_13	YUROD	B 6
## CTAGTGAGTAGGCATG.1_13	YUROD	B 3
## CTAGTGATCGTCTGAA.1_13	YUROD	B 3
## CTCACACCATGAGCGA.1_13	YUROD	B 6
## CTCACACGTTTGAAGT.1_13	YUROD	B 3
## CTCACACTCTGGTTCC.1_13	YUROD	B 3
## CTCAGAAAGACGCAAC.1_13	YUROD	B 4
## CTCAGAAAGGCTCTTA.1_13	YUROD	CD4T 7
## CTCAGAACAGTAACGG.1_13	YUROD	Mono 8
## CTCAGAAGTGAGGGAG.1_13	YUROD	B 3

## CTCATTACACTGTTAG.1_13	YUROD	B 4
## CTCATTAGTCTCATCC.1_13	YUROD	B 4
## CTCCTAGAGTTGAGTA.1_13	YUROD	B 5
## CTCCTAGGTGCTCTTC.1_13	YUROD	CD8T 1
## CTCCTAGGTTAAAGAC.1_13	YUROD	B 3
## CTCCTAGTCAAACGGG.1_13	YUROD	B 1
## CTCCTAGTCACATACG.1_13	YUROD	B 1
## CTCCTAGTCATGTCCC.1_13	YUROD	CD4T 6
## CTCGAAAAGCGATATA.1_13	YUROD	Mono 2
## CTCGAGGCACCGGAAA.1_13	YUROD	B 3
## CTCGAGGCACTGTTAG.1_13	YUROD	B 5
## CTCGAGGCATTTGCTT.1_13	YUROD	B 1
## CTCGAGGTCAGTGCAT.1_13	YUROD	B 5
## CTCGGAGAGCTGATAA.1_13	YUROD	CD4T 6
## CTCGGAGGTATGAATG.1_13	YUROD	B 4
## CTCGGGAAGCGCTTAT.1_13	YUROD	Mono 8
## CTCGGGAGTAGGACAC.1_13	YUROD	B 3
## CTCGGGAGTGTAATGA.1_13	YUROD	B 4
## CTCGGGATCCCTCAGT.1_13	YUROD	B 4
## CTCGTACAGAAGGCCT.1_13	YUROD	B 5
## CTCGTACAGGGATGGG.1_13	YUROD	B 3
## CTCGTACAGTCCAGGA.1_13	YUROD	B 1
## CTCGTACCACCAGATT.1_13	YUROD	B 1
## CTCGTACGTTCAGGCC.1_13	YUROD	CD4T 6
## CTCGTACAGTCTCATCC.1_13	YUROD	B 5
## CTCGTACATCTAGAGTC.1_13	YUROD	B 5
## CTCGTACATCTGCAAGT.1_13	YUROD	B 4
## CTCTAATAGACGACGT.1_13	YUROD	CD4T 7
## CTCTAATAGGGAGTAA.1_13	YUROD	B 1
## CTCTAATCAAGGACAC.1_13	YUROD	B 5
## CTCTAATCACCGGAAA.1_13	YUROD	B 1
## CTCTAATCACTTCTGC.1_13	YUROD	B 4
## CTCTAATCAGCCTATA.1_13	YUROD	B 1
## CTCTAATGTTACAGAA.1_13	YUROD	B 5
## CTCTACGAGCATGGCA.1_13	YUROD	NK 1
## CTCTACGAGTACGTAA.1_13	YUROD	B 4
## CTCTACGAGTAGGTGC.1_13	YUROD	B 3
## CTCTACGTCCTAGTGA.1_13	YUROD	B 1
## CTCTGGTCAAGGTTCT.1_13	YUROD	CD4T 3
## CTCTGGTCACTGTTAG.1_13	YUROD	Mono 8
## CTCTGGTCAGCTGTAT.1_13	YUROD	B 3
## CTCTGGTCAGTCCTTC.1_13	YUROD	B 3
## CTCTGGTGTATCACCA.1_13	YUROD	B 4
## CTCTGGTTCCAATGGT.1_13	YUROD	B 1
## CTGAAACAGGCCGAAT.1_13	YUROD	B 5
## CTGAAACAGGTTACCT.1_13	YUROD	B 3
## CTGAAACAGTCCAGGA.1_13	YUROD	CD4T 5
## CTGAAACCACAGGAGT.1_13	YUROD	B 4
## CTGAAACTCCCAAGTA.1_13	YUROD	B 4
## CTGAAGTAGCCACGTC.1_13	YUROD	B 1
## CTGAAGTAGCCAGTTT.1_13	YUROD	B 1
## CTGAAGTAGTACGACG.1_13	YUROD	CD8T 1
## CTGAAGTCACATTCCA.1_13	YUROD	B 3
## CTGAAGTCAGGTCCAC.1_13	YUROD	B 1

## CTGAAGTGTAGATTAG.1_13	YUROD	B 3
## CTGAAGTTCATAACCG.1_13	YUROD	B 1
## CTGAAGTTCGCATGAT.1_13	YUROD	B 6
## CTGATAGAGGAGTTTA.1_13	YUROD	B 1
## CTGATAGCAAACGTGG.1_13	YUROD	B 4
## CTGATCCCAATGTTGC.1_13	YUROD	B 1
## CTGATCCTCCCATTAT.1_13	YUROD	B 1
## CTGCCTAAGTAAGTAC.1_13	YUROD	B 5
## CTGCCTACAAACGCGA.1_13	YUROD	B 1
## CTGCCTACAAGAGGCT.1_13	YUROD	B 1
## CTGCCTATCCACGCAG.1_13	YUROD	Mono 4
## CTGCCTATCTCTGTCTG.1_13	YUROD	B 3
## CTGCGGACATCGATTG.1_13	YUROD	B 1
## CTGCGGATCAGTTAGC.1_13	YUROD	B 3
## CTGCTGTAGACCACGA.1_13	YUROD	CD4T 7
## CTGCTGTCAATCGAAA.1_13	YUROD	CD4T 6
## CTGCTGTCAGACGTAG.1_13	YUROD	B 4
## CTGCTGTCATGTAGTC.1_13	YUROD	B 3
## CTGGTCTAGCAGATCG.1_13	YUROD	B 3
## CTGGTCTCATAACAGCT.1_13	YUROD	B 4
## CTGGTCTCATGCCTAA.1_13	YUROD	B 1
## CTGGTCTGTGCAACTT.1_13	YUROD	CD8T 1
## CTGGTCTTCACCGTAA.1_13	YUROD	B 5
## CTGGTCTTCCCGACTT.1_13	YUROD	B 6
## CTGGTCTTCGCGATCG.1_13	YUROD	TNKT 2
## CTGGTCTTCTCTAGGA.1_13	YUROD	B 5
## CTGTGCTAGATCCTGT.1_13	YUROD	B 4
## CTGTTTAAGAGGGCTT.1_13	YUROD	B 1
## CTGTTTAAGTTAACGA.1_13	YUROD	B 4
## CTGTTTACAAGTTGTC.1_13	YUROD	B 6
## CTGTTTACAATGCCAT.1_13	YUROD	B 3
## CTGTTTACACGAAACG.1_13	YUROD	B 4
## CTGTTTACAGCGTAAG.1_13	YUROD	B 3
## CTTAACTAGGTGTTAA.1_13	YUROD	Mono 9
## CTTAACTGTGTTGAGG.1_13	YUROD	NK 2
## CTTAACTGTTACCTC.1_13	YUROD	B 3
## CTTAACTTCATGCAAC.1_13	YUROD	B 6
## CTTAACTTCGTTTGCC.1_13	YUROD	B 3
## CTTACCGAGACATAAC.1_13	YUROD	B 3
## CTTACCGAGAGCTATA.1_13	YUROD	B 3
## CTTACCGCACAGGTTT.1_13	YUROD	B 4
## CTTACCGCAGGGTACA.1_13	YUROD	B 5
## CTTACCGGTCACACGC.1_13	YUROD	B 1
## CTTACCGGTGTATGGG.1_13	YUROD	B 4
## CTTACCGGTCCACTC.1_13	YUROD	B 1
## CTTACCGTCACAATGC.1_13	YUROD	B 6
## CTTAGGAAGCAATATG.1_13	YUROD	B 4
## CTTAGGAAGCAATCTC.1_13	YUROD	B 4
## CTTAGGAAGGAGTTTA.1_13	YUROD	B 4
## CTTAGGAAGTAACCCT.1_13	YUROD	B 5
## CTTCTCTAGTGTTAGA.1_13	YUROD	B 6
## CTTCTCTCAGACTCGC.1_13	YUROD	B 1
## CTTCTCTGTAAGGATT.1_13	YUROD	B 3
## CTTCTCTGTGATAAGT.1_13	YUROD	B 3

## CTTCTCTTCACGACTA.1_13	YUROD	B 4
## CTTGGCTAGACAAAGG.1_13	YUROD	B 3
## CTTGGCTAGACTAAGT.1_13	YUROD	B 6
## CTTGGCTAGGATGGTC.1_13	YUROD	B 3
## CTTGGCTAGGCAGGTT.1_13	YUROD	B 4
## CTTTGCGAGACAGACC.1_13	YUROD	B 5
## CTTTGCGCACGAAAGC.1_13	YUROD	B 4
## CTTTGCGCATGCGCAC.1_13	YUROD	B 5
## GAAACTCAGACCTTTG.1_13	YUROD	CD4T 3
## GAAACTCCATCGTCGG.1_13	YUROD	B 1
## GAAACTCGTACGACCC.1_13	YUROD	B 6
## GAAACTCGTAGGCATG.1_13	YUROD	B 4
## GAAACTCGTGACTACT.1_13	YUROD	B 1
## GAAACTCTCGTGGGAA.1_13	YUROD	B 3
## GAAATGAGTAAACACA.1_13	YUROD	CD4T 3
## GAAATGAGTACCCAAT.1_13	YUROD	B 3
## GAAATGAGTGTGCGTC.1_13	YUROD	B 5
## GAAATGAGTTAGAACA.1_13	YUROD	B 4
## GAACATCAGGACCACA.1_13	YUROD	B 4
## GAACATCCAAAGGTGC.1_13	YUROD	B 1
## GAACATCGTCAGAGGT.1_13	YUROD	B 4
## GAACATCGTCTAGCCG.1_13	YUROD	B 3
## GAACATCTCAAAGTAG.1_13	YUROD	B 5
## GAACCTAAGATCGATA.1_13	YUROD	B 3
## GAACCTAAGCTAGTCT.1_13	YUROD	B 5
## GAACCTAGTATAGGTA.1_13	YUROD	CD4T 7
## GAACCTAGTTATGCGT.1_13	YUROD	B 3
## GAACCTATCGATGAGG.1_13	YUROD	B 5
## GAACCTATCTACGAGT.1_13	YUROD	B 1
## GAACCTATCTTAGCCC.1_13	YUROD	CD8T 1
## GAACGGAAGGACATTA.1_13	YUROD	B 5
## GAACGGACAACCTTGAC.1_13	YUROD	B 6
## GAACGGACAGGACGTA.1_13	YUROD	B 3
## GAACGGAGTCCTAGCG.1_13	YUROD	B 3
## GAACGGAGTTGTCTTT.1_13	YUROD	CD4T 6
## GAAGCAGAGACTTGAA.1_13	YUROD	B 5
## GAAGCAGCAAAGAATC.1_13	YUROD	B 3
## GAAGCAGCAACACCTA.1_13	YUROD	CD4T 7
## GAAGCAGCACCTCGGA.1_13	YUROD	B 3
## GAAGCAGGTGCCTGGT.1_13	YUROD	B 5
## GAATAAGAGGCTAGAC.1_13	YUROD	B 1
## GAATAAGCATTTGCTT.1_13	YUROD	B 1
## GAATAAGGTCAACATC.1_13	YUROD	B 5
## GAATAAGGTGACTCAT.1_13	YUROD	B 3
## GAATGAAAGTCGCCGT.1_13	YUROD	B 3
## GAATGAACACGAGGTA.1_13	YUROD	B 6
## GAATGAACATATGAGA.1_13	YUROD	B 4
## GAATGAAGTAAGGGCT.1_13	YUROD	B 3
## GAATGAAGTCATCCCT.1_13	YUROD	B 5
## GAATGAAGTGAAGGCT.1_13	YUROD	B 1
## GAATGAATCAGTGCAT.1_13	YUROD	B 4
## GACACGCAGAGGGATA.1_13	YUROD	B 4
## GACACGCAGCGTGAAC.1_13	YUROD	CD4T 6
## GACACGCCACAGACTT.1_13	YUROD	Mono 9

## GACACGCGTCCGTAA.1_13	YUROD	B 1
## GACAGAGCAATAAGCA.1_13	YUROD	B 4
## GACAGAGCACATTTCT.1_13	YUROD	B 6
## GACAGAGGTAGCTCCG.1_13	YUROD	B 1
## GACAGAGGTGAGTGAC.1_13	YUROD	B 5
## GACCAATAGGATATAC.1_13	YUROD	B 6
## GACCAATCATCGATGT.1_13	YUROD	CD8T 2
## GACCAATTCACGCATA.1_13	YUROD	B 3
## GACCAATTCTCGGACG.1_13	YUROD	NK 2
## GACCTGGGTCGAACAG.1_13	YUROD	B 6
## GACCTGGTCAATCTCT.1_13	YUROD	B 6
## GACCTGGTCGGATGTT.1_13	YUROD	B 1
## GACGCGTAGGCTCTTA.1_13	YUROD	CD4T 3
## GACGCGTCACAGATTC.1_13	YUROD	B 3
## GACGCGTGTGGGACA.1_13	YUROD	B 5
## GACGCGTGTTAGCTG.1_13	YUROD	B 4
## GACGGCTAGGGTGTG.1_13	YUROD	B 3
## GACGGCTCACAAGTGT.1_13	YUROD	B 1
## GACGGCTCACGTCAGC.1_13	YUROD	B 6
## GACGGCTCAGTCGATT.1_13	YUROD	B 5
## GACGGCTGTCTAGCGC.1_13	YUROD	B 1
## GACGGCTGTGTTTGGT.1_13	YUROD	B 6
## GACGGCTGTAGGGTG.1_13	YUROD	B 3
## GACGGCTGTTCCACC.1_13	YUROD	NK 2
## GACGGCTTCCATTCTA.1_13	YUROD	Mono 5
## GACGTGCAGGCTCTTA.1_13	YUROD	B 5
## GACGTGCCAATGAAAC.1_13	YUROD	Mono 9
## GACGTGCGTCAACTGT.1_13	YUROD	Mono 5
## GACGTGCGTCCATCCT.1_13	YUROD	B 5
## GACGTGCGTCGACTGC.1_13	YUROD	B 1
## GACGTGCGTTAAAGTG.1_13	YUROD	B 6
## GACGTGCTCATGTGGT.1_13	YUROD	B 3
## GACGTGCTCGCTGATA.1_13	YUROD	B 6
## GACGTGCTCGTGGACC.1_13	YUROD	B 5
## GACGTTAAGGCGTACA.1_13	YUROD	Mono 4
## GACGTTAAGGGTCTCC.1_13	YUROD	B 3
## GACGTTACATGGTTGT.1_13	YUROD	B 4
## GACGTTAGTCCGAGTC.1_13	YUROD	B 4
## GACGTTATCAGTTCCA.1_13	YUROD	B 3
## GACGTTATCGGAGCAA.1_13	YUROD	CD4T 5
## GACGTTATCTCATTCA.1_13	YUROD	B 4
## GACTAACAGATGTCGG.1_13	YUROD	B 1
## GACTAACAGTAAGTAC.1_13	YUROD	B 4
## GACTAACCAAGCGCTC.1_13	YUROD	B 1
## GACTAACGTCCAGTGC.1_13	YUROD	B 1
## GACTAACGTGTCAATC.1_13	YUROD	B 3
## GACTAACGTGTTTGTG.1_13	YUROD	Mono 4
## GACTAACGTTCACGG.1_13	YUROD	B 4
## GACTAACGTTGAGTTC.1_13	YUROD	B 1
## GACTACAAGATCTGAA.1_13	YUROD	B 1
## GACTACAAGATGTGGC.1_13	YUROD	B 1
## GACTACACATGTTCCC.1_13	YUROD	CD8T 1
## GACTACAGTACAGTGG.1_13	YUROD	B 1
## GACTACATCTATCCTA.1_13	YUROD	B 3

## GACTGCGAGGCCCTCA.1_13	YUROD	B 1
## GACTGCGCACCCATGG.1_13	YUROD	B 3
## GACTGCGCACTGAAGG.1_13	YUROD	B 3
## GACTGCGCAGCGATCC.1_13	YUROD	B 1
## GAGCAGATCTCAACTT.1_13	YUROD	B 5
## GAGGTGAAGGGTCGAT.1_13	YUROD	B 1
## GAGGTGACATCACGTA.1_13	YUROD	B 5
## GAGTCCGAGATGAGAG.1_13	YUROD	B 3
## GAGTCCGAGCCTTGAT.1_13	YUROD	B 4
## GAGTCCGCAAGAAGAG.1_13	YUROD	B 4
## GAGTCCGTCTCCCTGA.1_13	YUROD	B 3
## GATCAGTAGACTGGGT.1_13	YUROD	B 3
## GATCAGTAGGCACATG.1_13	YUROD	B 3
## GATCAGTAGGTACTCT.1_13	YUROD	B 4
## GATCAGTAGTCGCCGT.1_13	YUROD	B 3
## GATCAGTCAAGACGTG.1_13	YUROD	B 4
## GATCAGTGTCTGATTG.1_13	YUROD	B 1
## GATCAGTTCACGCATA.1_13	YUROD	B 3
## GATCGATAGGCCCTCA.1_13	YUROD	B 5
## GATCGATGTACTTCTT.1_13	YUROD	B 3
## GATCGATGTCTGATCA.1_13	YUROD	B 1
## GATCGATTCCATGAAC.1_13	YUROD	Mono 4
## GATCGATTCTTTAGTC.1_13	YUROD	CD4T 7
## GATCGCGCAAGCGAGT.1_13	YUROD	B 1
## GATCGCGCAAGGACAC.1_13	YUROD	B 5
## GATCGCGCAGACGCAA.1_13	YUROD	CD4T 3
## GATCGCGGTCTAGGTT.1_13	YUROD	B 4
## GATCGCGTCGCCCTTA.1_13	YUROD	B 5
## GATCGTAAGTGAAGAG.1_13	YUROD	TNKT 1
## GATCGTACAAGCGATG.1_13	YUROD	B 4
## GATCTAGAGATCTGCT.1_13	YUROD	B 1
## GATCTAGAGATGTAAC.1_13	YUROD	B 3
## GATCTAGGTTGAGTTC.1_13	YUROD	B 5
## GATGAAAAGCAGATCG.1_13	YUROD	B 1
## GATGAAAAGCGGCTTC.1_13	YUROD	B 4
## GATGAAATCCATGAAC.1_13	YUROD	B 1
## GATGAAATCCCTGACT.1_13	YUROD	B 4
## GATGAGGCAGCCTATA.1_13	YUROD	B 1
## GATGCTATCAATCACG.1_13	YUROD	CD8T 2
## GATGCTATCAGTCAGT.1_13	YUROD	B 4
## GATGCTATCCCAAGAT.1_13	YUROD	Mono 2
## GATGCTATCGGCTACG.1_13	YUROD	CD4T 7
## GATTCAGCACCATCCT.1_13	YUROD	B 4
## GATTCAGGTCGCTTTC.1_13	YUROD	B 1
## GATTCAGGTCTCGTTC.1_13	YUROD	B 5
## GATTCAGGTGTTTCGAT.1_13	YUROD	CD4T 3
## GATTCAGGTTAAGAAC.1_13	YUROD	CD4T 3
## GCAAAGTACAGGTACC.1_13	YUROD	B 4
## GCAAAGTAGGGAGTAA.1_13	YUROD	B 4
## GCAAAGTAGTGTTCG.1_13	YUROD	B 6
## GCAATCATCTCGTATT.1_13	YUROD	B 4
## GCACATACACCATGTA.1_13	YUROD	B 1
## GCACATACAGGGTATG.1_13	YUROD	B 3
## GCACATAGTATTCTCT.1_13	YUROD	B 3

## GCACATAGTGCAATC.1_13	YUROD	B 3
## GCACTCTCAATGGAAT.1_13	YUROD	B 2
## GCACTCTCACACATGT.1_13	YUROD	B 3
## GCACTCTGTCATCGGC.1_13	YUROD	B 3
## GCACTCTTCGTGGTCG.1_13	YUROD	CD4T 5
## GCACTCTTCTGCAGTA.1_13	YUROD	B 1
## GCACTCTTCTGTTTG.1_13	YUROD	B 5
## GCAGCCAAGGGCACTA.1_13	YUROD	B 5
## GCAGCCAAGTTAAGTG.1_13	YUROD	CD8T 2
## GCAGCCAGTGATAAGT.1_13	YUROD	B 6
## GCAGTTAAGCCCAATT.1_13	YUROD	B 4
## GCAGTTACAATCCAAC.1_13	YUROD	CD4T 3
## GCAGTTAGTGACAAAT.1_13	YUROD	B 3
## GCATACAAGGGATACC.1_13	YUROD	B 2
## GCATACACAGGTGGAT.1_13	YUROD	B 1
## GCATACAGTATATGGA.1_13	YUROD	B 1
## GCATACAGTCGACTGC.1_13	YUROD	B 4
## GCATACAGTTCGGGCT.1_13	YUROD	B 4
## GCATACATCAACTCTT.1_13	YUROD	B 5
## GCATGATAGACTGGGT.1_13	YUROD	B 3
## GCATGATAGCACACAG.1_13	YUROD	B 1
## GCATGATAGTACACCT.1_13	YUROD	B 5
## GCATGATAGTCACGCC.1_13	YUROD	B 6
## GCATGATGTACATCCA.1_13	YUROD	B 4
## GCATGATGTGACTCAT.1_13	YUROD	Mono 9
## GCATGATTCACAGTAC.1_13	YUROD	B 5
## GCATGATTCCAAACAC.1_13	YUROD	B 4
## GCATGCGCAAGCTGAG.1_13	YUROD	B 5
## GCATGCGCAGCTGTGC.1_13	YUROD	B 5
## GCATGCGCATCCGCGA.1_13	YUROD	B 4
## GCATGTAAGATCGATA.1_13	YUROD	B 5
## GCATGTAAGGCGTACA.1_13	YUROD	Mono 4
## GCATGTACATATGCTG.1_13	YUROD	B 4
## GCATGTATCGGAAACG.1_13	YUROD	B 5
## GCATGTATCTCATTCA.1_13	YUROD	B 3
## GCCAAATAGAAACCTA.1_13	YUROD	TNKT 1
## GCCAAATAGACAGAGA.1_13	YUROD	B 5
## GCCAAATGTGAAATCA.1_13	YUROD	B 6
## GCCAAATTCGGTTGCT.1_13	YUROD	B 1
## GCCTCTAAGTACGCCC.1_13	YUROD	B 3
## GCCTCTACAAGGACTG.1_13	YUROD	B 4
## GCCTCTAGTCATCCCT.1_13	YUROD	B 6
## GCGACCAAGACCACGA.1_13	YUROD	B 3
## GCGACCACAAGTCTGT.1_13	YUROD	CD4T 3
## GCGACCATCAACCAAC.1_13	YUROD	B 3
## GCGACCATCACCTCGT.1_13	YUROD	B 4
## GCGAGAAAGAGATGAG.1_13	YUROD	B 1
## GCGAGAAGTAGCGCAA.1_13	YUROD	B 3
## GCGCAACAGCTCCCAG.1_13	YUROD	CD8T 1
## GCGCAACGTGCCTGTG.1_13	YUROD	CD4T 1
## GCGCAGTGTGGGTCAA.1_13	YUROD	B 3
## GCGCAGTTCGGCGGTT.1_13	YUROD	Mono 4
## GCGCAGTTCTCTGAGA.1_13	YUROD	B 1
## GCGCCAAAGCCACCTG.1_13	YUROD	B 1

## GCGCCAAGTCCAGTAT.1_13	YUROD	B 5
## GCGCCAATCAGTCAGT.1_13	YUROD	B 3
## GCGCGATCAAGAGGCT.1_13	YUROD	B 1
## GCGCGATCAGGAACGT.1_13	YUROD	CD4T 3
## GCGCGATTCGGTGTCTG.1_13	YUROD	B 6
## GCGGGTTCAAACCTAC.1_13	YUROD	B 5
## GCGGGTTCCAGACAG.1_13	YUROD	CD4T 7
## GCGGGTTGTCTTGTCC.1_13	YUROD	CD8T 2
## GCGGGTTTCAGATAAG.1_13	YUROD	CD4T 5
## GCTCCTAAGGCAGGTT.1_13	YUROD	B 4
## GCTCCTACAAGCTGGA.1_13	YUROD	B 1
## GCTCCTACACACGCTG.1_13	YUROD	B 3
## GCTCCTACATAACCATG.1_13	YUROD	B 1
## GCTCCTAGTAGGGTAC.1_13	YUROD	B 5
## GCTCCTAGTCGGCACT.1_13	YUROD	B 1
## GCTCCTAGTGGTTTCA.1_13	YUROD	B 6
## GCTCTGTAGCTAACAA.1_13	YUROD	B 1
## GCTCTGTAGGCACATG.1_13	YUROD	B 5
## GCTCTGTAGTCCCACG.1_13	YUROD	CD4T 6
## GCTCTGTCAATAACGA.1_13	YUROD	B 6
## GCTCTGTGTTCTGTTGA.1_13	YUROD	B 5
## GCTCTGTTCAATACCG.1_13	YUROD	B 4
## GCTGCAGAGCACCGCT.1_13	YUROD	B 1
## GCTGCAGAGGGCACTA.1_13	YUROD	B 3
## GCTGCAGCATTCACTT.1_13	YUROD	B 1
## GCTGCAGGTTACGTCA.1_13	YUROD	B 4
## GCTGCAGGTTCCCTTG.1_13	YUROD	B 1
## GCTGCAGTCAGGCGAA.1_13	YUROD	B 5
## GCTGCAGTCCAAACTG.1_13	YUROD	B 6
## GCTGCGAAGGCTCATT.1_13	YUROD	B 3
## GCTGCGAGTATAGGTA.1_13	YUROD	B 4
## GCTGCGATCCAATGGT.1_13	YUROD	B 5
## GCTGCTTAGATAGTCA.1_13	YUROD	B 3
## GCTGCTTCAGCTGGCT.1_13	YUROD	B 5
## GCTGCTTCAGTATAAG.1_13	YUROD	CD4T 6
## GCTGCTTGTAACGTTC.1_13	YUROD	B 5
## GCTGCTTTCCCGACTT.1_13	YUROD	B 4
## GCTGGGTAGAGACGAA.1_13	YUROD	B 5
## GCTGGGTAGCTGTTCA.1_13	YUROD	B 6
## GCTGGGTAGGGTCTCC.1_13	YUROD	B 4
## GCTGGGTCAAGCCGCT.1_13	YUROD	B 4
## GCTGGGTGTCCCTACT.1_13	YUROD	B 5
## GCTTCCAAGACGCAAC.1_13	YUROD	B 4
## GCTTCCACACACTGCG.1_13	YUROD	CD8T 1
## GCTTCCACAGCTGTGC.1_13	YUROD	B 5
## GCTTCCATCAAGATCC.1_13	YUROD	B 1
## GCTTGAACAAATACAG.1_13	YUROD	B 3
## GCTTGAAGTAGCGATG.1_13	YUROD	B 3
## GCTTGAAGTGAGGCTA.1_13	YUROD	B 4
## GGAAAGCAGGCTCATT.1_13	YUROD	B 4
## GGAAAGCCACGTCTCT.1_13	YUROD	B 3
## GGAAAGCCATGGTCAT.1_13	YUROD	B 3
## GGAAAGCGTAAGGATT.1_13	YUROD	B 3
## GGAAAGCGTTAAGTAG.1_13	YUROD	B 5

## GGAAAGCTCCGCTGTT.1_13	YUROD	B 5
## GGAAAGCTCGCGGATC.1_13	YUROD	B 5
## GGAAAGCTCTGGGCCA.1_13	YUROD	B 4
## GGAACCTTAGAGTCTGG.1_13	YUROD	B 5
## GGAACCTTCAGGACCCT.1_13	YUROD	B 5
## GGAACCTTGTCCTAGCG.1_13	YUROD	B 4
## GGAACCTTGTTCTTT.1_13	YUROD	B 3
## GGAACCTTTCCTTAATC.1_13	YUROD	B 4
## GGAATAAAGATAGCAT.1_13	YUROD	B 3
## GGAATAAAGGTTACCT.1_13	YUROD	B 3
## GGAATAAAGTCGTTTG.1_13	YUROD	B 3
## GGACAAGAGATGCCTT.1_13	YUROD	B 5
## GGACAAGAGCCCAACC.1_13	YUROD	B 1
## GGACAAGAGGCCCTCA.1_13	YUROD	B 1
## GGACAAGCAAGGGTCA.1_13	YUROD	B 5
## GGACAAGCACGGATAG.1_13	YUROD	B 4
## GGACAAGTCCTAGGGC.1_13	YUROD	B 3
## GGACAGAAGACTCGGA.1_13	YUROD	B 1
## GGACAGACATTACCTT.1_13	YUROD	B 1
## GGACAGATCCGCTGTT.1_13	YUROD	B 1
## GGACAGATCTCACATT.1_13	YUROD	B 5
## GGACAGATCTGGTATG.1_13	YUROD	B 5
## GGACATTTCAGCTGTAT.1_13	YUROD	B 4
## GGACATTTCAGGTCTCG.1_13	YUROD	B 4
## GGACATTGTGCAACGA.1_13	YUROD	B 1
## GGACATTTCAACGCTA.1_13	YUROD	B 1
## GGACATTTTCAGTCCCT.1_13	YUROD	B 3
## GGACATTTCTGTCTCG.1_13	YUROD	B 4
## GGACGTCAGTGACATA.1_13	YUROD	B 4
## GGACGTCGTAGAAAGG.1_13	YUROD	B 3
## GGACGTCCTCGCCTGAG.1_13	YUROD	B 1
## GGAGCAAAGATGCCTT.1_13	YUROD	B 4
## GGAGCAAGTATCAGTC.1_13	YUROD	B 5
## GGAGCAAGTGACTION.1_13	YUROD	B 5
## GGATGTTAGAAACCGC.1_13	YUROD	B 1
## GGATGTTGTGGTGGA.1_13	YUROD	B 5
## GGATGTTTCACCTTAT.1_13	YUROD	B 4
## GGATGTTTCGTCGTTT.1_13	YUROD	B 3
## GGATGTTTCTATCGCC.1_13	YUROD	B 5
## GGATTACCAAAGGTGC.1_13	YUROD	B 1
## GGATTACCAGCTGTGC.1_13	YUROD	B 1
## GGATTACGTCATCGGC.1_13	YUROD	B 3
## GGATTACGTGTAAGTA.1_13	YUROD	B 4
## GGATTACTCAGGTTCA.1_13	YUROD	B 6
## GGATTACTCCTCGCAT.1_13	YUROD	B 4
## GGATTACTCGGATGGA.1_13	YUROD	B 6
## GGCAATTAGACGACGT.1_13	YUROD	B 4
## GGCAATTTCTGGGCCA.1_13	YUROD	B 1
## GGCCGATCACACAGAG.1_13	YUROD	B 3
## GGCCGATTGAATGGG.1_13	YUROD	B 3
## GGCCGATTGACCAGC.1_13	YUROD	B 3
## GGCGACTAGGCTAGCA.1_13	YUROD	B 4
## GGCGACTCAAAGGAAG.1_13	YUROD	B 3
## GGCGACTGTATACCA.1_13	YUROD	B 4

## GGCGACTGTTCCACGG.1_13	YUROD	B 1
## GGCGACTTCCCGACTT.1_13	YUROD	B 2
## GGCGACTTCTCTTATG.1_13	YUROD	Mono 2
## GGCGTGTGTCTCCCTA.1_13	YUROD	B 5
## GGCTCGAAGAGCTATA.1_13	YUROD	B 1
## GGCTCGAAGATCTGAA.1_13	YUROD	Mono 4
## GGCTCGAAGGACGAAA.1_13	YUROD	B 3
## GGCTCGACAGCGATCC.1_13	YUROD	B 4
## GGCTCGACATGCGCAC.1_13	YUROD	TNKT 1
## GGCTCGAGTTGGTTTG.1_13	YUROD	B 3
## GGCTCGATCATGCATG.1_13	YUROD	B 1
## GGCTCGATCGTAGATC.1_13	YUROD	B 5
## GGCTCGATCTCGAGTA.1_13	YUROD	B 4
## GGCTGGTAGCCAGGAT.1_13	YUROD	B 3
## GGCTGGTAGTCTCCTC.1_13	YUROD	B 3
## GGCTGGTCAAACGTGG.1_13	YUROD	CD4T 3
## GGCTGGTCAGGACGTA.1_13	YUROD	B 3
## GGCTGGTCAGGGTACA.1_13	YUROD	CD4T 3
## GGCTGGTGTATTCTGTG.1_13	YUROD	CD4T 3
## GGCTGGTGTGATGCCC.1_13	YUROD	B 3
## GGCTGGTTCATGTCCC.1_13	YUROD	B 3
## GGCTGGTTCGCTGATA.1_13	YUROD	B 3
## GGGAATGCAAGAAGAG.1_13	YUROD	B 5
## GGGAATGGTTATTCTC.1_13	YUROD	B 3
## GGGAATGGTTCCGGCA.1_13	YUROD	CD4T 7
## GGGAATGTCAGCACAT.1_13	YUROD	CD4T 7
## GGGAATGTCGCATGAT.1_13	YUROD	B 5
## GGGACCTGTTACCTC.1_13	YUROD	B 1
## GGGACCTTCGTCTGAA.1_13	YUROD	B 4
## GGGACCTTCTCTAAGG.1_13	YUROD	B 5
## GGGAGATAGTCTCCTC.1_13	YUROD	B 5
## GGGAGATCACATCCAA.1_13	YUROD	B 4
## GGGAGATCAGACGCTC.1_13	YUROD	B 1
## GGGAGATGTATCTGCA.1_13	YUROD	CD8T 2
## GGGAGATGTTTGGCGC.1_13	YUROD	B 3
## GGGATGAAGCCTCGTG.1_13	YUROD	B 5
## GGGATGACAGTGGGAT.1_13	YUROD	B 3
## GGGATGAGTGTGTTGGT.1_13	YUROD	B 3
## GGGATGATCAAACCAC.1_13	YUROD	B 5
## GGGATGATCAGCCTAA.1_13	YUROD	B 4
## GGGATGATCTCATTCA.1_13	YUROD	B 1
## GGGATGATCTCCGGTT.1_13	YUROD	B 1
## GGGATGATCTTAGAGC.1_13	YUROD	B 4
## GGGCACTAGTGTGAAT.1_13	YUROD	B 6
## GGGCACTCATCTCGCT.1_13	YUROD	B 4
## GGGCACTGTACCGCTG.1_13	YUROD	B 4
## GGGCACTTCACCTTAT.1_13	YUROD	B 5
## GGGCATCAGCGAGAAA.1_13	YUROD	B 1
## GGGCATCAGTAATCCC.1_13	YUROD	B 3
## GGGCATCCATCTGGTA.1_13	YUROD	B 1
## GGGCATCTCACAAACC.1_13	YUROD	B 1
## GGGTCTGCAGGCAGTA.1_13	YUROD	B 4
## GGGTTGCAGGGTCGAT.1_13	YUROD	B 1
## GGGTTGCAGTTCGCGC.1_13	YUROD	B 3

## GGGTTGCGTAGAAAGG.1_13	YUROD	B 4
## GGGTTGCGTCCTAGCG.1_13	YUROD	Mono 4
## GGGTTGCGTGCCTTGG.1_13	YUROD	B 3
## GGGTTGCTCGTCTGCT.1_13	YUROD	B 3
## GGTATTGAGACCCACC.1_13	YUROD	B 3
## GGTATTGCAGATGGGT.1_13	YUROD	CD4T 5
## GGTATTGTCAGCTCTC.1_13	YUROD	CD4T 6
## GGTATTGTCAGTTAGC.1_13	YUROD	B 3
## GGTATTGTCCTAGGGC.1_13	YUROD	Mono 4
## GGTATTGTCTTTACAC.1_13	YUROD	B 4
## GGTGAAGAGCCCAGCT.1_13	YUROD	Mono 8
## GGTGAAGAGGCGTACA.1_13	YUROD	CD4T 7
## GGTGAAGGTATTACCG.1_13	YUROD	B 3
## GGTGAAGGTTGTCTTT.1_13	YUROD	B 3
## GGTGCGTAGGCTAGGT.1_13	YUROD	B 3
## GGTGCGTCACGGCGTT.1_13	YUROD	B 5
## GGTGCGTCAGTGAGTG.1_13	YUROD	B 1
## GGTGCGTTCACTTACT.1_13	YUROD	B 5
## GGTGCGTTCAGCCTAA.1_13	YUROD	B 4
## GGTGCGTTCAGTCAGT.1_13	YUROD	B 6
## GGTGTTAAGACACTAA.1_13	YUROD	B 3
## GGTGTTAAGTCATGCT.1_13	YUROD	B 6
## GGTGTTAAGTCCTCCT.1_13	YUROD	B 1
## GGTGTTACAGCAGTTT.1_13	YUROD	NK 3
## GTAACGTAGGAACTGC.1_13	YUROD	B 6
## GTAACGTAGTACTTGC.1_13	YUROD	B 5
## GTAACGTCAGTTCCCT.1_13	YUROD	B 1
## GTAACGTGTGTAACGG.1_13	YUROD	B 5
## GTAACGTTCCAATGGT.1_13	YUROD	B 5
## GTAAC TGAGACAGGCT.1_13	YUROD	B 4
## GTAAC TGAGCGTTCCG.1_13	YUROD	B 5
## GTAAC TGCAAATTGCC.1_13	YUROD	CD4T 7
## GTAAC TGGTCGGGTCT.1_13	YUROD	B 1
## GTAAC TGGTCTGCGGT.1_13	YUROD	B 6
## GTACGTAAGCTAACTC.1_13	YUROD	B 1
## GTACGTACAATGGTCT.1_13	YUROD	B 1
## GTACGTAGTACGCACC.1_13	YUROD	CD4T 7
## GTACGTATCTCGTATT.1_13	YUROD	B 4
## GTACTCCGTACCGGCT.1_13	YUROD	B 1
## GTACTTTGTCCTGCTT.1_13	YUROD	B 4
## GTAGGCCAGAAGCCCA.1_13	YUROD	B 5
## GTAGGCCAGTCGAGTG.1_13	YUROD	B 1
## GTAGGCCACGAAACG.1_13	YUROD	B 1
## GTAGGCCAGTCCTTC.1_13	YUROD	B 1
## GTAGGCCGTGAGTGAC.1_13	YUROD	B 3
## GTAGGCCTCAGATAAG.1_13	YUROD	B 4
## GTAGGCCTCCGTTGTC.1_13	YUROD	B 1
## GTAGTCAAGACGCAAC.1_13	YUROD	B 5
## GTAGTCAAGCTGAAAT.1_13	YUROD	B 5
## GTAGTCAAGGGTGTGT.1_13	YUROD	B 5
## GTAGTCAGTCCATGAT.1_13	YUROD	B 6
## GTAGTCAGTCCACAA.1_13	YUROD	Mono 4
## GTAGTCATCGTCCAGG.1_13	YUROD	B 3
## GTATCTTCAAGGCTCC.1_13	YUROD	B 4

## GTATCTTTCTGAGTGT.1_13	YUROD	B 4
## GTATTCTAGACAGAGA.1_13	YUROD	B 4
## GTATTCTAGGAGTCTG.1_13	YUROD	B 5
## GTATTCTGTATAATGG.1_13	YUROD	B 4
## GTATTCTGTGAGGGAG.1_13	YUROD	B 3
## GTATTCTTCCACTCCA.1_13	YUROD	B 3
## GTC AAGTCATCTGGTA.1_13	YUROD	B 1
## GTC AAGTGTAGATTAG.1_13	YUROD	B 5
## GTC AAGTGTGGACGAT.1_13	YUROD	B 3
## GTC AAGTTCACAAACC.1_13	YUROD	CD4T 6
## GTC AAGTTCGTCCAGG.1_13	YUROD	Mono 4
## GTCACAAAGCGATTCT.1_13	YUROD	Mono 8
## GTCACAAAGTCGTTTG.1_13	YUROD	B 3
## GTCACAAAGTTAGGTA.1_13	YUROD	B 3
## GTCACAACAGCTGTTA.1_13	YUROD	CD8T 1
## GTCACAAGTTCACAA.1_13	YUROD	B 4
## GTCACAATCGAGAACG.1_13	YUROD	B 3
## GTCACGGCAAACAACA.1_13	YUROD	Mono 7
## GTCACGGCACGAAACG.1_13	YUROD	B 5
## GTCACGGGTAGCAAAT.1_13	YUROD	B 5
## GTCACGGGTACAGAA.1_13	YUROD	B 3
## GTCACGGGTGTCTTT.1_13	YUROD	B 1
## GTCATTTCAAAGGAAG.1_13	YUROD	B 3
## GTCATTTCAACAGGCT.1_13	YUROD	B 2
## GTCATTTCATGCCACG.1_13	YUROD	B 5
## GTCATTTGTGTGAATA.1_13	YUROD	B 1
## GTCATTTTCACTGGGC.1_13	YUROD	B 3
## GTCATTTTCGTGTAGT.1_13	YUROD	B 3
## GTCCTCAAGACCCACC.1_13	YUROD	B 3
## GTCCTCAAGATAGGAG.1_13	YUROD	B 4
## GTCCTCATCTGAGGGA.1_13	YUROD	B 1
## GTCGGGTAGGCATGGT.1_13	YUROD	B 5
## GTCGGGTCAGTATCTG.1_13	YUROD	B 1
## GTCGGGTCATGACATC.1_13	YUROD	B 3
## GTCGGGTGTATCGCAT.1_13	YUROD	B 4
## GTCGTAAGGAGTTGC.1_13	YUROD	B 1
## GTCGTAAGTGACATA.1_13	YUROD	B 6
## GTCGTAACAAAGTGCG.1_13	YUROD	B 1
## GTCGTAAGTCCATCCT.1_13	YUROD	B 4
## GTCGTAAGTCCCGACA.1_13	YUROD	Mono 4
## GTCGTAATCTGTACT.1_13	YUROD	B 6
## GTCTCGTAGAAGATTC.1_13	YUROD	B 5
## GTCTCGTCAAGTTCTG.1_13	YUROD	B 5
## GTCTCGTCATCACGAT.1_13	YUROD	Mono 4
## GTCTCGTGTCTCATCC.1_13	YUROD	B 4
## GTCTCGTTCGGAAACG.1_13	YUROD	B 1
## GTCTTCGAGGACCACA.1_13	YUROD	B 1
## GTCTTCGAGGAGTAGA.1_13	YUROD	B 1
## GTCTTCGCAATCGGTT.1_13	YUROD	Mono 2
## GTCTTCGCAGCCTTGG.1_13	YUROD	B 4
## GTCTTCGGTCCATCCT.1_13	YUROD	B 1
## GTCTTCGTGCGATGAT.1_13	YUROD	B 4
## GTGAAGGAGGTCATCT.1_13	YUROD	B 1
## GTGAAGGAGTACACCT.1_13	YUROD	B 4

## GTGAAGGAGTATCTCG.1_13	YUROD	B 5
## GTGAAGGAGTCGTTTG.1_13	YUROD	Mono 8
## GTGAAGGCATGGGACA.1_13	YUROD	B 3
## GTGAAGGGTTACCAGT.1_13	YUROD	B 1
## GTGCAGCAGCGTTCCG.1_13	YUROD	Mono 2
## GTGCAGCCAATGGATA.1_13	YUROD	DC 1
## GTGCAGCGTCCTAGCG.1_13	YUROD	B 5
## GTGCATACAATGGAAT.1_13	YUROD	B 5
## GTGCTTCAGCATCATC.1_13	YUROD	B 5
## GTGCTTCAGGCACATG.1_13	YUROD	B 4
## GTGCTTCAGTCATGCT.1_13	YUROD	B 5
## GTGCTTCCAAGACACG.1_13	YUROD	B 4
## GTGCTTCCAGCTGTTA.1_13	YUROD	B 3
## GTGCTTCTCCGTCAA.1_13	YUROD	B 3
## GTGGGTCAGCTAGGCA.1_13	YUROD	B 5
## GTGGGTCAGGCCCGTT.1_13	YUROD	B 4
## GTGGGTCCAAAGCGGT.1_13	YUROD	B 5
## GTGGGTCGTATAGGGC.1_13	YUROD	CD4T 6
## GTGGGTCGTCATATGC.1_13	YUROD	B 5
## GTGGGTCTCCAATGGT.1_13	YUROD	B 5
## GTGGGTCTCTGCTTGC.1_13	YUROD	B 3
## GTGTGCGAGCTAGGCA.1_13	YUROD	B 1
## GTGTGCGTCTACCAGA.1_13	YUROD	B 1
## GTGTTAGAGACTACAA.1_13	YUROD	B 5
## GTGTTAGGTCAACATC.1_13	YUROD	B 3
## GTGTTAGGTTGGAGGT.1_13	YUROD	B 4
## GTGTTAGTCAGTGCAT.1_13	YUROD	B 3
## GTTAAGCAGTGCAAGC.1_13	YUROD	B 4
## GTTAAGCAGTGACGG.1_13	YUROD	B 3
## GTTAAGCGTGGTACAG.1_13	YUROD	B 3
## GTTAAGCTCCCAGGTG.1_13	YUROD	B 3
## GTTACAGAGGAGTACC.1_13	YUROD	B 1
## GTTACAGAGTCCATAC.1_13	YUROD	B 5
## GTTACAGCACGTAAGG.1_13	YUROD	B 3
## GTTACAGCAGTCGATT.1_13	YUROD	CD8T 3
## GTTACAGGTCGTTGTA.1_13	YUROD	B 3
## GTTACAGGTGCAGGTA.1_13	YUROD	B 3
## GTTACAGGTTACGGC.1_13	YUROD	B 1
## GTTACAGTCACTTCAT.1_13	YUROD	B 1
## GTTACAGTCCTAGGGC.1_13	YUROD	B 3
## GTTCATTAGACTCGGA.1_13	YUROD	CD4T 3
## GTTCATTAGGCATGTG.1_13	YUROD	B 5
## GTTCATTAGGCTCATT.1_13	YUROD	B 1
## GTTCATTAGTTTAGGA.1_13	YUROD	B 5
## GTTCATTATGCGCAC.1_13	YUROD	B 3
## GTTCATTGTCCGTGAC.1_13	YUROD	B 4
## GTTCATTTCCAAAGTC.1_13	YUROD	B 4
## GTTCGGGAGGAGTCTG.1_13	YUROD	B 4
## GTTCGGGCATTAGCCA.1_13	YUROD	B 3
## GTTCGGGGTGTAAGTA.1_13	YUROD	Mono 7
## GTTCGGGGTTACGACT.1_13	YUROD	B 4
## GTTCTCGAGCTCAACT.1_13	YUROD	B 6
## GTTCTCGAGGTACTCT.1_13	YUROD	B 3
## GTTCTCGCACGAAACG.1_13	YUROD	B 5

## GTTCTCGCAGCTGTGC.1_13	YUROD	B 3
## GTTCTCGCAGCTTAAC.1_13	YUROD	B 5
## GTTCTCGTCAGAGCTT.1_13	YUROD	B 4
## GTTCTCGTCGGTCTAA.1_13	YUROD	B 6
## GTTTCTAAGTTCGCAT.1_13	YUROD	B 4
## GTTTCTACACTCGACG.1_13	YUROD	B 5
## GTTTCTACAGCTTAAC.1_13	YUROD	B 3
## GTTTCTAGTAGAAGGA.1_13	YUROD	B 5
## GTTTCTATCAACACGT.1_13	YUROD	CD4T 7
## GTTTCTATCACTCTTA.1_13	YUROD	B 5
## TAAACCGCACGAAGCA.1_13	YUROD	B 4
## TAAACCGCAGTTCCTT.1_13	YUROD	B 4
## TAAACCGGTCAAAGAT.1_13	YUROD	B 4
## TAAGAGAAGCACCGTC.1_13	YUROD	B 5
## TAAGAGAAGGATGCGT.1_13	YUROD	B 1
## TAAGAGAAGGTGCTAG.1_13	YUROD	B 1
## TAAGAGAAGTTTCCTT.1_13	YUROD	B 1
## TAAGAGACAAAGTCAA.1_13	YUROD	B 1
## TAAGAGACACCTCGTT.1_13	YUROD	B 4
## TAAGAGACAGTGGAGT.1_13	YUROD	B 1
## TAAGAGAGTGAATGA.1_13	YUROD	B 3
## TAAGCGTAGACACTAA.1_13	YUROD	B 1
## TAAGCGTAGACCGGAT.1_13	YUROD	B 4
## TAAGCGTGCAATACC.1_13	YUROD	B 3
## TAAGCGTGTCGCGGTT.1_13	YUROD	B 5
## TAAGCGTGTCCCGAG.1_13	YUROD	B 3
## TAAGCGTTCATGTCTT.1_13	YUROD	B 6
## TAAGCGTTCTACGAGT.1_13	YUROD	B 3
## TAAGTGCAGAGTAAGG.1_13	YUROD	B 4
## TAAGTGCCAGCCAATT.1_13	YUROD	B 5
## TAAGTGCCATACTCTT.1_13	YUROD	B 6
## TACACGAAGGAATGGA.1_13	YUROD	B 4
## TACACGAAGGGATGGG.1_13	YUROD	B 3
## TACACGAGTAAATGTG.1_13	YUROD	B 5
## TACACGAGTTAGATGA.1_13	YUROD	CD4T 6
## TACACGAGTTGTACAC.1_13	YUROD	B 3
## TACAGTGCAATCAGAA.1_13	YUROD	B 4
## TACAGTGCAGTTCATG.1_13	YUROD	B 5
## TACAGTGGTCGACTGC.1_13	YUROD	TNKT 1
## TACAGTGTCTTAATC.1_13	YUROD	B 3
## TACCTATAGAGTAATC.1_13	YUROD	Mono 8
## TACCTATAGGGCTCTC.1_13	YUROD	B 1
## TACCTATCAATTGCTG.1_13	YUROD	B 3
## TACCTATCATGGTAGG.1_13	YUROD	B 5
## TACCTATTAGAGGTG.1_13	YUROD	B 1
## TACCTATTGTTACCGG.1_13	YUROD	B 6
## TACCTTACACACCGCA.1_13	YUROD	B 6
## TACCTTACATTCTCAT.1_13	YUROD	Mono 4
## TACGGATAGAAGGTGA.1_13	YUROD	TNKT 1
## TACGGATAGTGCCATT.1_13	YUROD	B 5
## TACGGATTCAATACCG.1_13	YUROD	B 3
## TACGGGCAGACGACGT.1_13	YUROD	B 3
## TACGGGCCAGACTCGC.1_13	YUROD	B 1
## TACGGGCGTAGCTTGT.1_13	YUROD	B 5

## TACGGGCGTCTTGTCC.1_13	YUROD	Mono 8
## TACGGGCGTTAGTGGG.1_13	YUROD	Mono 4
## TACGGGCTCGCGCAA.1_13	YUROD	B 1
## TACGGGCTCGGTCCGA.1_13	YUROD	B 6
## TACGGTAAGAGGTACC.1_13	YUROD	B 5
## TACGGTAGTCAAGCGA.1_13	YUROD	B 3
## TACGGTAGTCCATCCT.1_13	YUROD	B 1
## TACTCATCATCTCGCT.1_13	YUROD	B 4
## TACTCATGTCTCCACT.1_13	YUROD	B 4
## TACTCGCAGGAGCGAG.1_13	YUROD	B 1
## TACTCGCCATAAGACA.1_13	YUROD	B 5
## TACTCGCGTGCAGTAG.1_13	YUROD	B 4
## TACTCGCTCCTTTCTC.1_13	YUROD	B 1
## TACTTACCAAAGGCGT.1_13	YUROD	CD4T 2
## TACTTACCAACTGCTA.1_13	YUROD	B 4
## TACTTACCACCACCAG.1_13	YUROD	B 4
## TACTTACTCGCCGTGA.1_13	YUROD	B 1
## TACTTACTCTCTTATG.1_13	YUROD	B 3
## TACTTGTCAGCCGTC.1_13	YUROD	B 5
## TACTTGTCAGTAATG.1_13	YUROD	Mono 8
## TACTTGTCAGCTCGAC.1_13	YUROD	CD4T 7
## TACTTGTCATCGGAAG.1_13	YUROD	CD4T 6
## TACTTGTTCACTTATC.1_13	YUROD	B 4
## TACTTGTTTCATGTAGC.1_13	YUROD	B 3
## TAGACCAAGTCATCCA.1_13	YUROD	B 1
## TAGACCACAGGCTCAC.1_13	YUROD	B 5
## TAGAGCTAGCAGATCG.1_13	YUROD	B 3
## TAGAGCTAGGTACGG.1_13	YUROD	B 5
## TAGAGCTCAGAGCCAA.1_13	YUROD	B 3
## TAGAGCTGTTGGTAAA.1_13	YUROD	B 6
## TAGAGCTTCACTGGGC.1_13	YUROD	B 3
## TAGAGCTTCCCAGGTG.1_13	YUROD	B 5
## TAGCCGGAGATGCGAC.1_13	YUROD	B 4
## TAGCCGGAGCGTCTAT.1_13	YUROD	B 3
## TAGCCGGAGTTAGCGG.1_13	YUROD	B 4
## TAGCCGGCAATTGCTG.1_13	YUROD	B 1
## TAGCCGGCACAGTCGC.1_13	YUROD	B 6
## TAGCCGGCATTAGGCT.1_13	YUROD	B 3
## TAGCCGGTCACCACCT.1_13	YUROD	B 5
## TAGGCATCAGGATTGG.1_13	YUROD	B 4
## TAGTGGTAGCATCATC.1_13	YUROD	B 6
## TAGTGGTAGGCAGTCA.1_13	YUROD	B 1
## TAGTGGTAGGTCGGAT.1_13	YUROD	B 5
## TAGTGGTAGTCCTCCT.1_13	YUROD	B 1
## TAGTGGTCAGCCAATT.1_13	YUROD	B 4
## TAGTGGTCAGTCACTA.1_13	YUROD	B 6
## TAGTGGTGTCAGTGGC.1_13	YUROD	CD4T 6
## TAGTGGTGTCGAGTTT.1_13	YUROD	B 3
## TAGTGGTGTTAAAGTG.1_13	YUROD	B 3
## TAGTTGGAGGGCTTGA.1_13	YUROD	B 3
## TAGTTGGCAAGTCTAC.1_13	YUROD	B 1
## TAGTTGGCAGCTGTTA.1_13	YUROD	B 5
## TAGTTGGGTACAAGG.1_13	YUROD	CD4T 7
## TAGTTGGGTGAGGGAG.1_13	YUROD	B 1

## TAGTTGGGTTAGTGGG.1_13	YUROD	B 5
## TAGTTGGTCCTTCAAT.1_13	YUROD	B 3
## TAGTTGGTCGGCGCTA.1_13	YUROD	B 3
## TATCAGGAGACTCGGA.1_13	YUROD	B 6
## TATCAGGAGTTATCGC.1_13	YUROD	B 6
## TATCAGGCACCCATGG.1_13	YUROD	B 3
## TATCAGGCATATGAGA.1_13	YUROD	B 3
## TATCAGGGTAAGGGAA.1_13	YUROD	Mono 3
## TATCAGGGTACCCAAT.1_13	YUROD	B 1
## TATCAGGGTCTAGCGC.1_13	YUROD	B 6
## TATCAGGGTGGCGAAT.1_13	YUROD	B 6
## TATCAGGTCGCAAGCC.1_13	YUROD	B 1
## TATCTCAAGGCAGGTT.1_13	YUROD	NK 2
## TATCTCACAGGTGGAT.1_13	YUROD	B 1
## TATCTCACATATGAGA.1_13	YUROD	B 3
## TATCTCAGTTCTGAAC.1_13	YUROD	B 5
## TATCTCAGTTTGTGG.1_13	YUROD	B 6
## TATGCCCAGAGCCCAA.1_13	YUROD	B 1
## TATGCCCAGCAACGGT.1_13	YUROD	B 5
## TATGCCCAGTGCCATT.1_13	YUROD	B 5
## TATGCCCCAAAGTGCG.1_13	YUROD	B 6
## TATGCCCCGTGTTAAGA.1_13	YUROD	B 1
## TATGCCCCGTCCAACA.1_13	YUROD	B 6
## TATTACCGTCAGCTAT.1_13	YUROD	B 4
## TATTACCGTGACAAAT.1_13	YUROD	NK 2
## TATTACCGTGAGTATA.1_13	YUROD	B 4
## TCAACGAGTCAAAGAT.1_13	YUROD	B 6
## TCAACGATCGTACCGG.1_13	YUROD	B 5
## TCAATCTGTACAGTTC.1_13	YUROD	B 4
## TCAATCTGTTAGAACA.1_13	YUROD	B 6
## TCACAAGAGACGCTTT.1_13	YUROD	B 4
## TCACAAGAGTAGTGCG.1_13	YUROD	B 1
## TCACAAGCAACGATCT.1_13	YUROD	B 3
## TCACAAGGTAAGTAGT.1_13	YUROD	B 4
## TCACGAAAGGAGCGTT.1_13	YUROD	B 4
## TCACGAAAGGTAGCTG.1_13	YUROD	B 4
## TCACGAAAGTGAACAT.1_13	YUROD	B 3
## TCACGAACATGACATC.1_13	YUROD	B 2
## TCAGATGAGATCCGAG.1_13	YUROD	B 3
## TCAGATGCAGTAAGCG.1_13	YUROD	B 3
## TCAGATGGTTGGAGGT.1_13	YUROD	B 1
## TCAGATGTCCGGCACA.1_13	YUROD	B 3
## TCAGATGTCCTAGTGA.1_13	YUROD	CD8T 2
## TCAGCAAAGTGGGATC.1_13	YUROD	B 3
## TCAGCAACACGAGAGT.1_13	YUROD	B 5
## TCAGCAAGTCTAAACC.1_13	YUROD	B 5
## TCAGCAAGTTAAGTAG.1_13	YUROD	B 1
## TCAGCTCCATACAGCT.1_13	YUROD	B 3
## TCAGCTCGTCGAGTTT.1_13	YUROD	B 5
## TCAGCTCTCACGATGT.1_13	YUROD	B 4
## TCAGCTCTCATCTGCC.1_13	YUROD	B 3
## TCAGCTCTCCCATTAT.1_13	YUROD	B 1
## TCAGGATGTCTTTCAT.1_13	YUROD	B 4
## TCAGGATTCAAACCGT.1_13	YUROD	B 1

## TCAGGATTCATCGGAT.1_13	YUROD	Mono 9
## TCAGGATTCACGTGG.1_13	YUROD	B 6
## TCAGGATTCTGGGCA.1_13	YUROD	CD4T 4
## TCAGGTAAGGTGACCA.1_13	YUROD	B 4
## TCAGGTAGTGAAATCA.1_13	YUROD	B 5
## TCAGGTATCCCTGACT.1_13	YUROD	B 5
## TCAGGTATCTTTACAC.1_13	YUROD	B 3
## TCATTACAGAAGGTTT.1_13	YUROD	B 4
## TCATTACAGAGTCTGG.1_13	YUROD	TNKT 1
## TCATTACCACGTGAGA.1_13	YUROD	B 4
## TCATTACTCAGCTTAG.1_13	YUROD	B 6
## TCATTTGAGAGACTTA.1_13	YUROD	B 4
## TCATTTGAGTGCGATG.1_13	YUROD	B 5
## TCATTTGCATTAGGCT.1_13	YUROD	B 3
## TCATTTGGTCTCTTAT.1_13	YUROD	B 3
## TCATTTGGTCTTCTCG.1_13	YUROD	B 5
## TCATTTGTGCTATCAG.1_13	YUROD	CD4T 3
## TCATTTGTGCTCTGAA.1_13	YUROD	B 1
## TCCACACAGGTGTGGT.1_13	YUROD	NK 2
## TCCACACCATCTGGTA.1_13	YUROD	B 6
## TCCACACGTGCAACGA.1_13	YUROD	B 3
## TCCACACGTGGTACAG.1_13	YUROD	CD8T 3
## TCCACACGTGTGCGTC.1_13	YUROD	B 1
## TCCACACTCAGGCGAA.1_13	YUROD	B 4
## TCCACACTCTACTTAC.1_13	YUROD	B 4
## TCCACACTCTGTCTAT.1_13	YUROD	B 4
## TCCCGATAGAAACGCC.1_13	YUROD	CD8T 2
## TCCCGATAGCGCCTTG.1_13	YUROD	B 3
## TCGAGGCCAGGCTCAC.1_13	YUROD	B 6
## TCGAGGCCATCTACGA.1_13	YUROD	CD4T 7
## TCGAGGCTCTAACTGG.1_13	YUROD	B 3
## TCGCGAGAGTGAACAT.1_13	YUROD	B 1
## TCGCGAGCAAGCCGCT.1_13	YUROD	B 5
## TCGCGAGGTGGGTATG.1_13	YUROD	B 5
## TCGCGAGGTTAAGGGC.1_13	YUROD	Mono 8
## TCGCGTTAGTGTCAT.1_13	YUROD	B 3
## TCGCGTTCAAGCGCTC.1_13	YUROD	B 5
## TCGCGTTCAGACGTAG.1_13	YUROD	B 3
## TCGCGTTCATCCGCGA.1_13	YUROD	B 6
## TCGCGTTCATGGAATA.1_13	YUROD	B 3
## TCGCGTTGTATCGCAT.1_13	YUROD	B 5
## TCGGGACAGAGAGCTC.1_13	YUROD	B 1
## TCGGGACAGGAGCGAG.1_13	YUROD	B 5
## TCGGGACTCCAGATCA.1_13	YUROD	B 5
## TCGGTAAAGTGGTAGC.1_13	YUROD	CD4T 7
## TCGGTAACACCAGGCT.1_13	YUROD	B 4
## TCGGTAACATTTCAGG.1_13	YUROD	B 1
## TCGGTAAGTAAACCTC.1_13	YUROD	B 6
## TCGGTAAGTTACCGAT.1_13	YUROD	B 5
## TCGGTAAGTTCAACCA.1_13	YUROD	B 3
## TCGGTAATCCCAAGTA.1_13	YUROD	B 1
## TCGGTAATCGAGGTAG.1_13	YUROD	B 3
## TCGTACCAGACATAAC.1_13	YUROD	B 6
## TCGTACCCACACATGT.1_13	YUROD	B 1

## TCGTACCCAGGTCGTC.1_13	YUROD	B 6
## TCGTACCGTGTTGGGA.1_13	YUROD	B 1
## TCGTACCGTTCCACTC.1_13	YUROD	B 5
## TCGTAGAAGGTAAACT.1_13	YUROD	B 6
## TCGTAGAAGTGAAGAG.1_13	YUROD	B 1
## TCGTAGAGTACATCCA.1_13	YUROD	B 4
## TCGTAGATCTGTCCGT.1_13	YUROD	TNKT 2
## TCTATTGAGACAATAC.1_13	YUROD	NK 2
## TCTATTGAGGCTCTTA.1_13	YUROD	CD8T 1
## TCTATTGAGTCCAGGA.1_13	YUROD	B 5
## TCTATTGGTATAGGGC.1_13	YUROD	B 6
## TCTCATACAAACGCGA.1_13	YUROD	B 4
## TCTCATACATAACCTG.1_13	YUROD	B 3
## TCTCTAAAGATGCCAG.1_13	YUROD	B 5
## TCTCTAACAAGTAGTA.1_13	YUROD	B 1
## TCTCTAAGTCGGCTCA.1_13	YUROD	B 1
## TCTCTAATCGCCTGTT.1_13	YUROD	B 3
## TCTGAGAGTCGGATCC.1_13	YUROD	B 1
## TCTGGAAAGGCTCTTA.1_13	YUROD	B 3
## TCTGGAAGTAAACACA.1_13	YUROD	B 5
## TCTGGAAGTCCGCTGA.1_13	YUROD	B 3
## TCTGGAAGTCTGCAAT.1_13	YUROD	B 1
## TCTGGAAGTCTTCTCG.1_13	YUROD	B 5
## TCTTCGGAGAACAATC.1_13	YUROD	B 4
## TCTTCGGGTATTCTCT.1_13	YUROD	B 5
## TCTTCGGTCAACGCTA.1_13	YUROD	CD4T 6
## TCTTCGGTCAGAGCTT.1_13	YUROD	B 1
## TCTTCGGTCAGGTTCA.1_13	YUROD	B 1
## TCTTCGGTCCCTTGCA.1_13	YUROD	B 6
## TCTTTCCCAGCTCCGA.1_13	YUROD	B 1
## TCTTTCCCAGGGAGAG.1_13	YUROD	B 6
## TCTTTCCGTCCTCCAT.1_13	YUROD	B 1
## TGAAAGATCTTGAGAC.1_13	YUROD	B 3
## TGACAACAGACAATAC.1_13	YUROD	B 3
## TGACAACAGTAGTGG.1_13	YUROD	CD4T 3
## TGACAACGTCCGAAGA.1_13	YUROD	B 4
## TGACAACGTGAAAGC.1_13	YUROD	CD4T 7
## TGACAACGTTATGCGT.1_13	YUROD	B 5
## TGACAACCTCATGTCCC.1_13	YUROD	B 4
## TGACAACCTCGTGGGAA.1_13	YUROD	B 4
## TGACGGCAGAGGTACC.1_13	YUROD	B 1
## TGACGGCAGAGTCGGT.1_13	YUROD	CD4T 3
## TGACGGCTCCATTCTA.1_13	YUROD	NK 2
## TGACTAGGTCTGGTCG.1_13	YUROD	CD4T 3
## TGACTAGTCAGGCAAG.1_13	YUROD	B 4
## TGACTTTAGAAGGTTT.1_13	YUROD	B 4
## TGACTTTAGGAGTCTG.1_13	YUROD	CD4T 6
## TGACTTTTCATTGGTAC.1_13	YUROD	B 3
## TGACTTTTCCGTTGCT.1_13	YUROD	B 1
## TGAGAGGCAATTCCTT.1_13	YUROD	B 5
## TGAGAGGGTCTCCCTA.1_13	YUROD	B 3
## TGAGAGGGTCTTGCGG.1_13	YUROD	B 1
## TGAGCATAGTCGCCGT.1_13	YUROD	B 5
## TGAGCATCATTGCGGC.1_13	YUROD	B 3

## TGAGCCGTCTAACTGG.1_13	YUROD	Mono 8
## TGAGGGACATGGTCTA.1_13	YUROD	B 6
## TGAGGGAGTCTGCGGT.1_13	YUROD	B 2
## TGAGGGATCATGTCTT.1_13	YUROD	B 4
## TGAGGGATCGGTTCGG.1_13	YUROD	B 1
## TGATTTTCAGCTGTTCA.1_13	YUROD	B 4
## TGATTTCTCAAGATCC.1_13	YUROD	B 1
## TGATTTCTCCTCATTA.1_13	YUROD	B 6
## TGCACCTAGAACAAC.1_13	YUROD	B 4
## TGCACCTAGCGATATA.1_13	YUROD	B 3
## TGCACCTCAAGGACTG.1_13	YUROD	CD8T 2
## TGCACCTGTAGAGTGC.1_13	YUROD	B 6
## TGCACCTTCTAACTTC.1_13	YUROD	Mono 8
## TGCACCTTCTCGTTTA.1_13	YUROD	B 5
## TGCCAAAAGACAATAC.1_13	YUROD	B 1
## TGCCAAAAGCTACCGC.1_13	YUROD	B 4
## TGCCAAAGTGGCGAAT.1_13	YUROD	B 1
## TGCCAAAGTGGGTATG.1_13	YUROD	CD8T 2
## TGCCAAATCGGGAGTA.1_13	YUROD	B 3
## TGCCCATAGACGCTTT.1_13	YUROD	B 5
## TGCCATTCTTAACCT.1_13	YUROD	B 6
## TGCCCTAAGAATTCCC.1_13	YUROD	B 4
## TGCCCTACACAAGCCC.1_13	YUROD	B 1
## TGCCCTACATGCAACT.1_13	YUROD	B 5
## TGCCCTAGTCACTTCC.1_13	YUROD	B 4
## TGCCCTAGTGCCTGTG.1_13	YUROD	B 4
## TGCCCTATCTGGTTCC.1_13	YUROD	B 5
## TGCGCAGCAAGCCTAT.1_13	YUROD	B 6
## TGCGCAGGTCCGCTGA.1_13	YUROD	CD4T 6
## TGCGCAGGTGCGCTTG.1_13	YUROD	B 1
## TGCGCAGTCAAACGGG.1_13	YUROD	B 3
## TGCGGGTGTAAACGCG.1_13	YUROD	B 5
## TGCGGGTGTACAAGG.1_13	YUROD	B 6
## TGCGGGTGTGACTACT.1_13	YUROD	B 4
## TGCGTGGCACTTCGAA.1_13	YUROD	B 5
## TGCGTGGGTACAAGTA.1_13	YUROD	B 5
## TGCGTGGGTACTCAAC.1_13	YUROD	B 5
## TGCGTGGGTCTCTTC.1_13	YUROD	B 6
## TGCTACCAGGTGTGT.1_13	YUROD	B 5
## TGCTACCAGTAGGCCA.1_13	YUROD	B 5
## TGCTACCCACCATCCT.1_13	YUROD	CD4T 6
## TGCTACCGTAGCCTAT.1_13	YUROD	B 3
## TGCTACCGTCTAAACC.1_13	YUROD	B 1
## TGCTACCTCGGCGCAT.1_13	YUROD	B 4
## TGCTACCTCTGCAAGT.1_13	YUROD	Mono 4
## TGCTGCTAGGTAGCCA.1_13	YUROD	NK 2
## TGCTGCTGTCTGCAAT.1_13	YUROD	B 6
## TGCTGCTGTAAAGGGC.1_13	YUROD	B 1
## TGCTGCTTCTCTTGAT.1_13	YUROD	B 3
## TGGACGCAGAATCTCC.1_13	YUROD	B 3
## TGGACGCAGGCGTACA.1_13	YUROD	B 1
## TGGACGCCAAAGCAAT.1_13	YUROD	B 5
## TGGACGCGTCAATACC.1_13	YUROD	B 3
## TGGACGCGTGTCTTT.1_13	YUROD	B 5

## TGGACGCGTTGACGTT.1_13	YUROD	B 3
## TGGACGCTCAAGCCTA.1_13	YUROD	B 3
## TGGCCAGAGCTATGCT.1_13	YUROD	B 4
## TGGCCAGCATCTGGTA.1_13	YUROD	B 3
## TGGCCAGGTGTTTCGAT.1_13	YUROD	NK 2
## TGGCCAGTCGCATGAT.1_13	YUROD	B 5
## TGGCGCAAGAAACCAT.1_13	YUROD	B 6
## TGGCGCAAGCGTCTAT.1_13	YUROD	B 6
## TGGCGCAGTAGCGCTC.1_13	YUROD	B 3
## TGGCGCAGTAGTACCT.1_13	YUROD	B 4
## TGGCGCAGTGAGCGAT.1_13	YUROD	B 3
## TGGCGCATCGTAGATC.1_13	YUROD	B 6
## TGGCGCATCTGCTGCT.1_13	YUROD	CD4T 3
## TGGCTGGCAAGGACTG.1_13	YUROD	B 5
## TGGCTGGGTCTAGGTT.1_13	YUROD	B 5
## TGGCTGGGTGTGAAAT.1_13	YUROD	B 4
## TGGCTGGGTTGCTCCT.1_13	YUROD	B 4
## TGGCTGGTCATAACCG.1_13	YUROD	B 3
## TGGCTGGTCCTATGTT.1_13	YUROD	B 3
## TGGGAAGCAAATTGCC.1_13	YUROD	B 5
## TGGGAAGTCATGTCTT.1_13	YUROD	B 5
## TGGGCGTCAAGGTTTC.1_13	YUROD	B 3
## TGGGCGTCACTTCTGC.1_13	YUROD	CD4T 3
## TGGGCGTGTAGTACCT.1_13	YUROD	B 1
## TGGGCGTGATGAATG.1_13	YUROD	B 1
## TGGGCGTTCGTAGGAG.1_13	YUROD	B 3
## TGGTTAGAGATGTAAC.1_13	YUROD	B 1
## TGGTTAGAGCACCGCT.1_13	YUROD	B 1
## TGGTTAGCAGTAAGCG.1_13	YUROD	B 1
## TGGTTAGGTGCAACGA.1_13	YUROD	B 6
## TGGTTAGTCATTGCCC.1_13	YUROD	B 4
## TGGTTAGTCGAGCCCA.1_13	YUROD	B 5
## TGGTTCCCAATGTAAG.1_13	YUROD	B 5
## TGGTTCCGTTAAGAAC.1_13	YUROD	B 3
## TGTATTCACTCTCGGC.1_13	YUROD	B 1
## TGTCCCAAGCCGTCGT.1_13	YUROD	CD8T 2
## TGTCCCAAGGATGTAT.1_13	YUROD	B 5
## TGTCCCACAAACTGTC.1_13	YUROD	B 3
## TGTCCCACATAGAAAC.1_13	YUROD	B 3
## TGTGGTAAGCAATATG.1_13	YUROD	B 1
## TGTGGTAGTGTTTGGT.1_13	YUROD	B 1
## TGTGGTAGTTCCTCCA.1_13	YUROD	B 5
## TGTGGTAGTTCGGGCT.1_13	YUROD	B 1
## TGTGGTATCCAAACTG.1_13	YUROD	B 3
## TGTGTTTAGTGTTTGC.1_13	YUROD	B 6
## TGTGTTTCAGACGCCT.1_13	YUROD	B 1
## TGTGTTTCAGTCCTTC.1_13	YUROD	B 4
## TGTGTTTGTACGAAAT.1_13	YUROD	B 4
## TGTGTTTGTATGCAT.1_13	YUROD	B 1
## TGTGTTTGTCCAGTTA.1_13	YUROD	B 4
## TGTGTTTGTGGTAACG.1_13	YUROD	B 4
## TGTTCCGAGTCTCCTC.1_13	YUROD	B 1
## TGTTCCGAGTTGCAGG.1_13	YUROD	B 4
## TGTTCCGCAATAGCGG.1_13	YUROD	B 5

## TGTTCCGGTATTAGCC.1_13	YUROD	B 4
## TTAACTCAGATGTGTA.1_13	YUROD	B 1
## TTAACTCCATCTCCCA.1_13	YUROD	B 3
## TTAGGACCAATGCCAT.1_13	YUROD	B 5
## TTAGGACCACACGCTG.1_13	YUROD	B 1
## TTAGGACTCAAACCGT.1_13	YUROD	CD4T 5
## TTAGGCACACCAACCG.1_13	YUROD	B 1
## TTAGGCAGTTAAAGAC.1_13	YUROD	B 4
## TTAGTTCAGGGCTTCC.1_13	YUROD	B 3
## TTAGTTCATGGTCTA.1_13	YUROD	B 5
## TTAGTTCGTCGAGATG.1_13	YUROD	B 5
## TTAGTTCCTGTCTGAA.1_13	YUROD	CD4T 1
## TTATGCTCAATGAATG.1_13	YUROD	B 3
## TTATGCTGTGGTAACG.1_13	YUROD	B 2
## TTATGCTTCACATACG.1_13	YUROD	Mono 4
## TTTCCAGAGCCCAATT.1_13	YUROD	B 4
## TTTCCAGCAGTGGAGT.1_13	YUROD	Mono 4
## TTTCCAGCATCCGTGG.1_13	YUROD	B 5
## TTTCCAGGTACATCCA.1_13	YUROD	B 5
## TTTCCAGGTCTCTTAT.1_13	YUROD	B 1
## TTTCCAGTCGCGGATC.1_13	YUROD	B 1
## TTCGAAGAGCACCGCT.1_13	YUROD	B 1
## TTCGAAGAGCGTTCCG.1_13	YUROD	B 1
## TTCGAAGCACGAGAGT.1_13	YUROD	B 1
## TTCGAAGGTTAAGACA.1_13	YUROD	B 6
## TTCGAAGGTTCTCTC.1_13	YUROD	B 5
## TTCGAAGTCAGATAAG.1_13	YUROD	B 6
## TTCGAAGTCCCAGGTG.1_13	YUROD	B 5
## TTCGGTCCAAGCGAGT.1_13	YUROD	B 6
## TTCGGTCTCTTCAAG.1_13	YUROD	CD4T 5
## TTCTACACACATGGGA.1_13	YUROD	CD4T 3
## TTCTACACACCGAATT.1_13	YUROD	B 3
## TTCTACACATTTGCTT.1_13	YUROD	B 4
## TTCTACAGTCTACCTC.1_13	YUROD	NK 2
## TTCTACAGTGCCTGCA.1_13	YUROD	B 1
## TTCTACATCCGTAGGC.1_13	YUROD	CD4T 2
## TTCTACATCGCCGTGA.1_13	YUROD	B 6
## TTCTACATCGGCTACG.1_13	YUROD	B 3
## TTCTCAACAAGACGTG.1_13	YUROD	B 4
## TTCTCAAGTACGCTGC.1_13	YUROD	B 5
## TTCTCAAGTCTCTTAT.1_13	YUROD	CD4T 7
## TTCTCAAGTCTGATTG.1_13	YUROD	CD8T 2
## TTCTCAAGTGATGTGG.1_13	YUROD	B 4
## TTCTCAATCCGTTGCT.1_13	YUROD	B 4
## TTCTCAATCTATCCTA.1_13	YUROD	B 3
## TTCTCCTCATGTCGAT.1_13	YUROD	B 5
## TTCTCCTGTATGGTTC.1_13	YUROD	B 3
## TTCTCCTGTCAGATAA.1_13	YUROD	B 3
## TTCTCCTGTCGAGATG.1_13	YUROD	Mono 4
## TTCTCCTGTTTACTCT.1_13	YUROD	B 5
## TTCTCCTTCCAACCAA.1_13	YUROD	Mono 1
## TTCTCCTTCCATGAAC.1_13	YUROD	B 4
## TTCTTAGCAATAGCAA.1_13	YUROD	B 1
## TTCTTAGTCATCGATG.1_13	YUROD	CD4T 3

## TTGAACGGTGGTAACG.1_13	YUROD	B 3
## TTGAACGGTGGTCTCG.1_13	YUROD	B 3
## TTGACTTAGAAGGTTT.1_13	YUROD	B 6
## TTGACTTAGTGGGCTA.1_13	YUROD	TNKT 2
## TTGACTTTCACCATAG.1_13	YUROD	B 1
## TTGACTTTCGGTGTTA.1_13	YUROD	B 1
## TTGCCGTAGACAAAGG.1_13	YUROD	B 5
## TTGCCGTATCCCATC.1_13	YUROD	B 5
## TTGCCGTTTCAAGTATG.1_13	YUROD	B 4
## TTGCCGTTTCGCGATCG.1_13	YUROD	B 3
## TTGCGTCAGATTACCC.1_13	YUROD	B 1
## TTGCGTCAGCAATATG.1_13	YUROD	B 5
## TTGCGTCAGGTAGCTG.1_13	YUROD	B 1
## TTGCGTCGTAACGTTT.1_13	YUROD	NK 2
## TTGCGTCGTAATTGGA.1_13	YUROD	B 1
## TTGCGTCGTTTGCATG.1_13	YUROD	B 5
## TTGGAACAGCCCTAAT.1_13	YUROD	NK 2
## TTGGAACGTACAGCAG.1_13	YUROD	B 6
## TTGGAACGTTATGCGT.1_13	YUROD	B 1
## TTGGAACTCTATCCTA.1_13	YUROD	B 5
## TTGGCAAAGAGTGACC.1_13	YUROD	B 5
## TTGGCAAAGCATCATC.1_13	YUROD	B 1
## TTGGCAACAGACGCTC.1_13	YUROD	B 6
## TTGGCAACATCGACGC.1_13	YUROD	B 4
## TTGGCAAGTAATTGGA.1_13	YUROD	NK 2
## TTGTAGGAGTGCAAGC.1_13	YUROD	B 5
## TTGTAGGTCACTGGGC.1_13	YUROD	Mono 4
## TTTACTGAGACGCAAC.1_13	YUROD	B 4
## TTTACTGAGGACGAAA.1_13	YUROD	B 6
## TTTACTGCAAAGCGGT.1_13	YUROD	B 3
## TTTACTGCACAGATTC.1_13	YUROD	B 4
## TTTACTGCATGTCCTC.1_13	YUROD	B 1
## TTTACTGGTGTTAAGA.1_13	YUROD	CD4T 6
## TTTACTGTCAAGATCC.1_13	YUROD	B 1
## TTTACTGTCACTTACT.1_13	YUROD	B 3
## TTTACTGTCCCTAACC.1_13	YUROD	B 5
## TTTACTGTGTTACAG.1_13	YUROD	B 3
## TTTATGCCACCGGAAA.1_13	YUROD	B 5
## TTTATGCGTAAATGTG.1_13	YUROD	CD4T 3
## TTTATGCTCACTCTTA.1_13	YUROD	TNKT 1
## TTTCTCAGGCGCTCT.1_13	YUROD	B 4
## TTTCTCCACTAGTAC.1_13	YUROD	B 3
## TTTCTCCAGCGAACA.1_13	YUROD	B 4
## TTTCTCTCAAGGCTT.1_13	YUROD	CD4T 7
## TTTGCGCAGCTAAACA.1_13	YUROD	B 3
## TTTGCGCAGGGTCGAT.1_13	YUROD	B 5
## TTTGCGCCAAGAGGCT.1_13	YUROD	NK 2
## TTTGCGCGTGAGCGAT.1_13	YUROD	B 5
## TTTGCGCGTGATGTCT.1_13	YUROD	Mono 8
## TTTGCGCTCATGCATG.1_13	YUROD	B 3
## TTTGCGCTCGTAGGTT.1_13	YUROD	B 3
## TTTGGTTAGTGCTGCC.1_13	YUROD	B 5
## TTTGGTTAGTTAGCGG.1_13	YUROD	CD8T 2
## TTTGGTTGTCCCTTG.1_13	YUROD	B 5

```
## TTTGGTTGTTGGAGGT.1_13      YUROD      B 1
## TTTGTCAGTAGGCTGA.1_13      YUROD      B 5
## TTTGTCAGTGTGTGCC.1_13      YUROD      B 1
## TTTGTCAGTTCCATGA.1_13      YUROD      B 1
## TTTGTCATCAGCTGGC.1_13      YUROD      NK 2
## TTTGTCATCCCATTAT.1_13      YUROD      B 3
```

Create a Seurat object for each scRNAseq batch

```
batch_a <- CreateSeuratObject(counts = read.table("../raw_data/GSE189125_5prime_scRNAseq_seqbatchA_count"))
```

```
## Warning: Invalid name supplied, making object name syntactically valid. New
## object name is
## patient.IDunsupervised.cell.clusterCohortICI.RegimenPrior.ICI.treatmentHighest.irAE.gradeSite.of.highest
## see ?make.names for more details on syntax validity
```

```
# batch_b doesn't have any scRNAseq data
```

Calculate percent mitochondrial, ribosomal, hemoglobin features

```
batch_a[["percent_mito"]] <- PercentageFeatureSet(batch_a, pattern = "^MT-")
batch_a[["percent_ribo"]] <- PercentageFeatureSet(batch_a, pattern = "^RP[SL]")
batch_a[["percent_hb"]] <- PercentageFeatureSet(batch_a, pattern = "HB[^P]")
```

Count number of cells from all samples

```
length(colnames(batch_a)) # 24087 cells
```

```
## [1] 24807
```

Count cells per each of the 13 samples

```
cell_capture <- batch_a@meta.data %>%
  group_by(patient.ID) %>%
  dplyr::count()

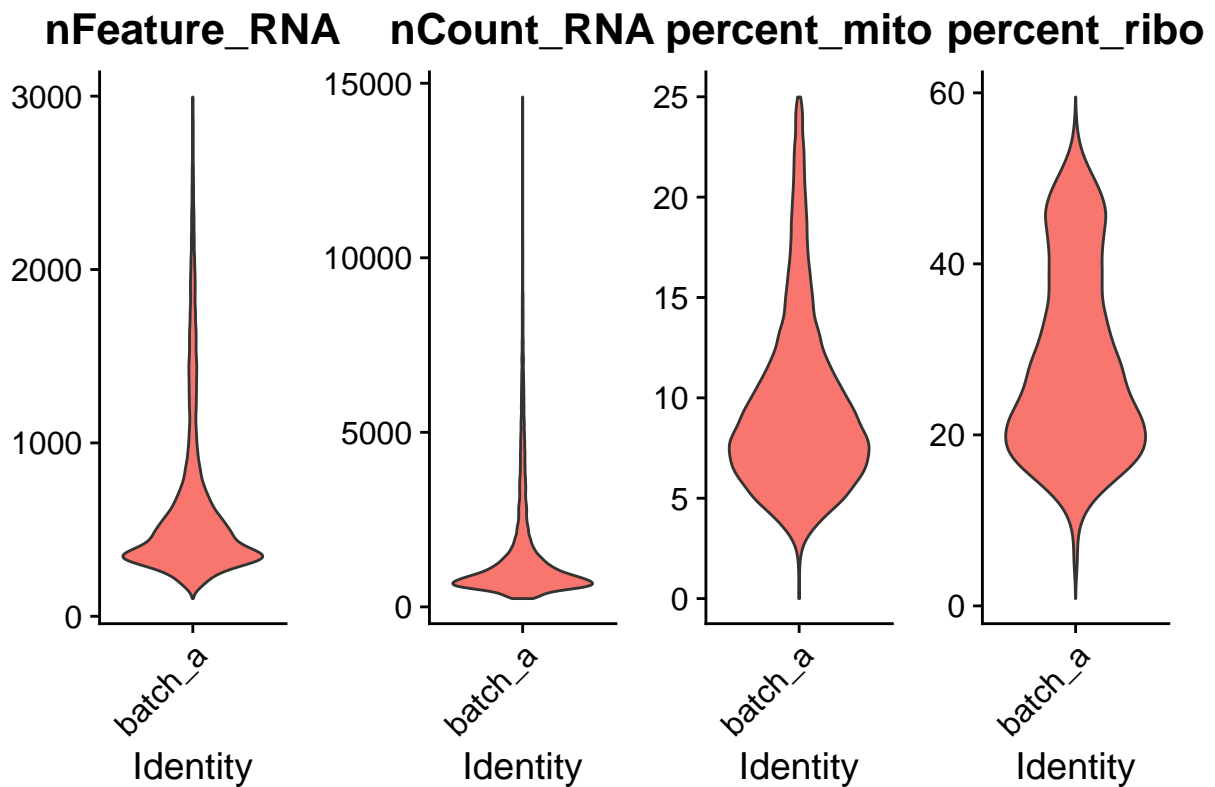
cell_capture %>% arrange(n)
```

```
## # A tibble: 13 x 2
## # Groups:   patient.ID [13]
##   patient.ID      n
```

```
##      <chr>      <int>
##  1 YUHERN      205
##  2 YUTORY      403
##  3 YUTHEA      796
##  4 YUENZO      890
##  5 YUVARDO     956
##  6 YUFURL     1037
##  7 YUGRUS     1713
##  8 YUROD      2103
##  9 YUKEND     2104
## 10 YUFUB      2989
## 11 YUPIXEL    3169
## 12 YUTAU      3938
## 13 YUCARD     4504
```

Visualize QC metrics across all patient samples

```
vln_plot <- VlnPlot(batch_a, features = c("nFeature_RNA", "nCount_RNA", "percent_mito", "percent_ribo"))
vln_plot
```




```
ggsave(vln_plot, file = "../figures/vln_plot_qc.svg")
```

```
## Saving 6.5 x 4.5 in image
```

Set author QC metric thresholds

```
qcMetricsThresholds <-  
  c(  
    "nFeature_RNA_min" = 100,  
    "nFeature_RNA_max" = 3000,  
    "percent_mito" = 25  
  )
```

```
# Author statement on methods: "Outlier cells were identified and removed based on the following criteria"
```

```
# they didn't mention a percent_hb cutoff but one sample has rather high percent_hb
```

Plot distributions of nFeature_RNA across samples

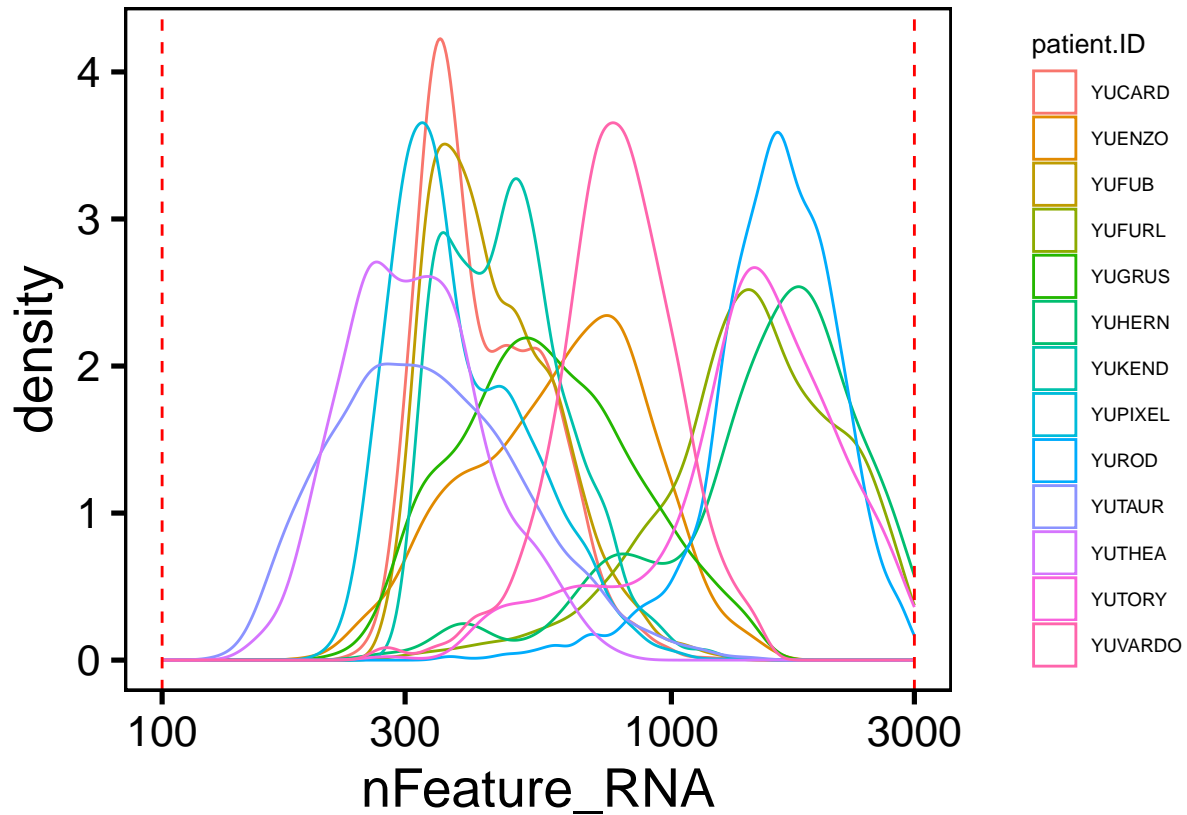
```
nFeature_RNA_QC <- ggplot(batch_a@meta.data, mapping = aes(x = nFeature_RNA)) +  
  geom_density(mapping = aes(color = patient.ID), size = 0.5) +  
  scale_x_log10() +  
  geom_vline(xintercept = qcMetricsThresholds["nFeature_RNA_min"],  
            color = "red", linetype = "dashed") +  
  geom_vline(xintercept = qcMetricsThresholds["nFeature_RNA_max"],  
            color = "red", linetype = "dashed")
```

```
## Warning: Using 'size' aesthetic for lines was deprecated in ggplot2 3.4.0.  
## i Please use 'linewidth' instead.  
## This warning is displayed once every 8 hours.  
## Call 'lifecycle::last_lifecycle_warnings()' to see where this warning was  
## generated.
```

```
ggsave(nFeature_RNA_QC, file = "../figures/nFeature_RNA.svg")
```

```
## Saving 6.5 x 4.5 in image
```

```
nFeature_RNA_QC
```

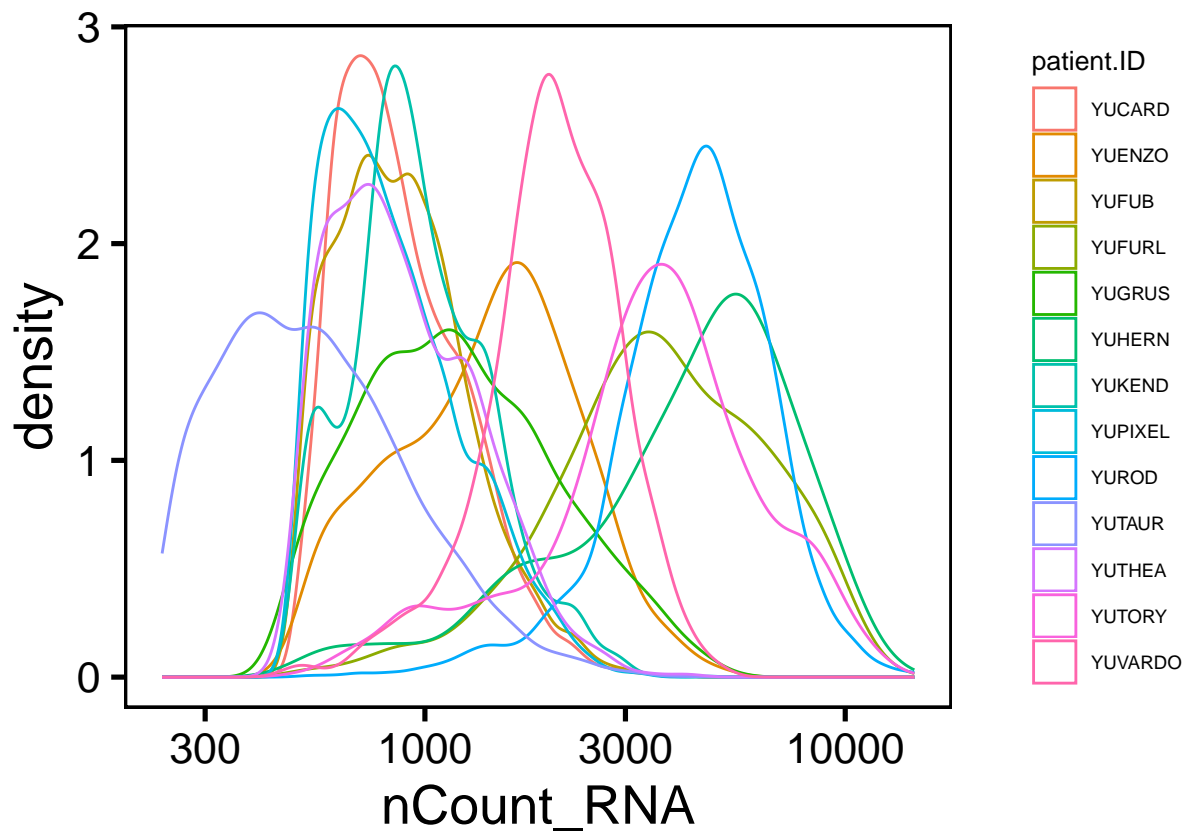


Plot distributions of nCount_RNA across samples

```
nCount_RNA_QC <- ggplot(batch_a@meta.data, mapping = aes(x = nCount_RNA)) +
  geom_density(mapping = aes(color = patient.ID), size = 0.5) +
  scale_x_log10()
ggsave(nCount_RNA_QC, file = "../figures/nCount_RNA.svg")
```

```
## Saving 6.5 x 4.5 in image
```

```
nCount_RNA_QC
```

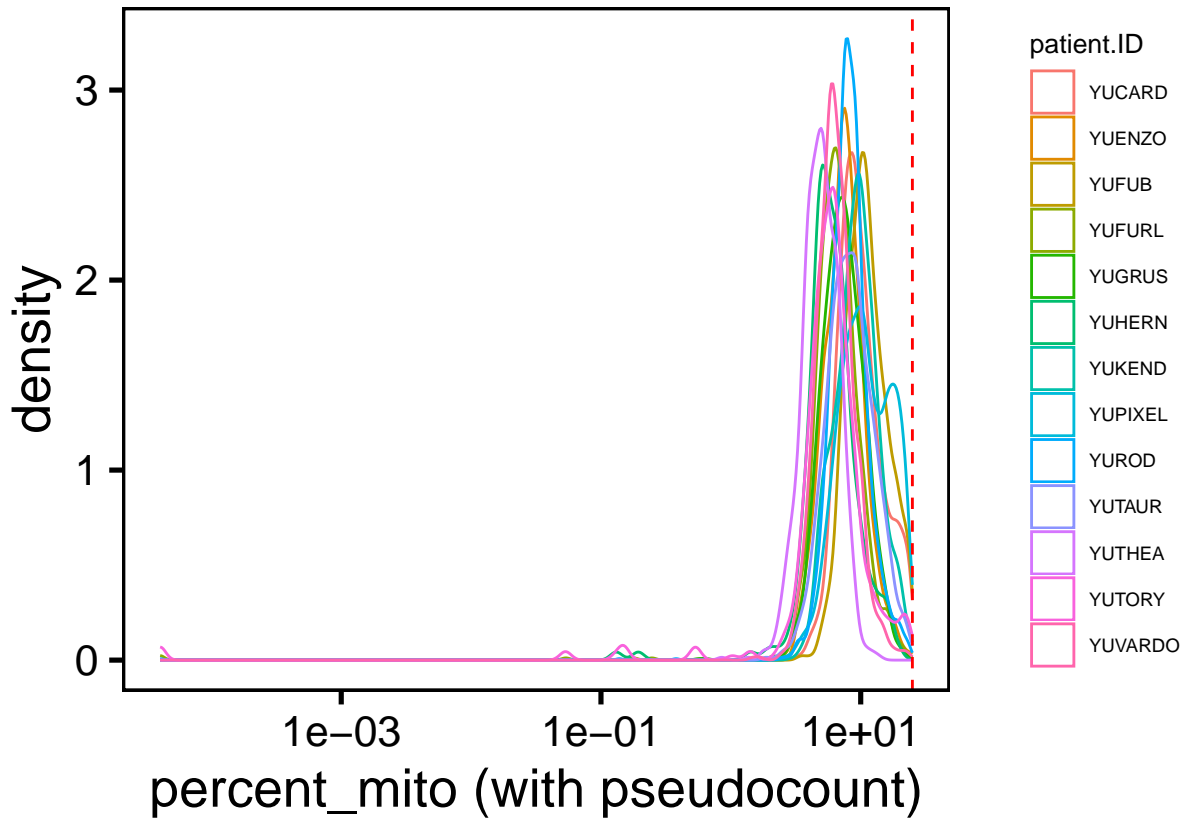


Plot distributions of percent mito across samples

```
percent_mt_QC <- ggplot(batch_a@meta.data, mapping = aes(x = percent_mito + 1/length(colnames(batch_a)),
  geom_density(mapping = aes(color = patient.ID), size = 0.5) +
  scale_x_log10() +
  geom_vline(xintercept = qcMetricsThresholds["percent_mito"],
    color = "red", linetype = "dashed") +
  xlab("percent_mito (with pseudocount)")
ggsave(percent_mt_QC, file = "../figures/percent_mt.svg")
```

Saving 6.5 x 4.5 in image

percent_mt_QC

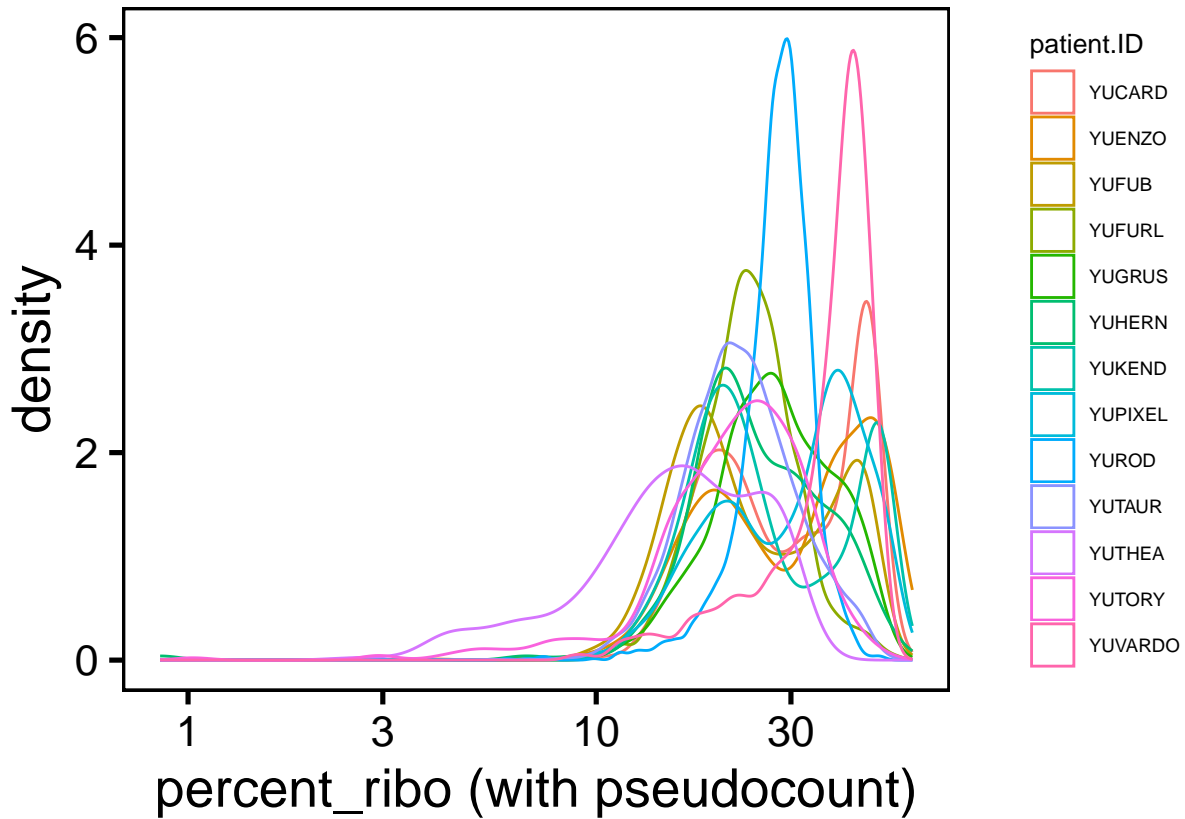


Plot distributions of percent ribo across samples

```
percent_rb_QC <- ggplot(batch_a@meta.data, mapping = aes(x = percent_ribo + 1/length(colnames(batch_a)),
  geom_density(mapping = aes(color = patient.ID), size = 0.5) +
  scale_x_log10() +
  xlab("percent_ribo (with pseudocount)")
ggsave(percent_rb_QC, file = "../figures/percent_rb.svg")
```

Saving 6.5 x 4.5 in image

```
percent_rb_QC
```



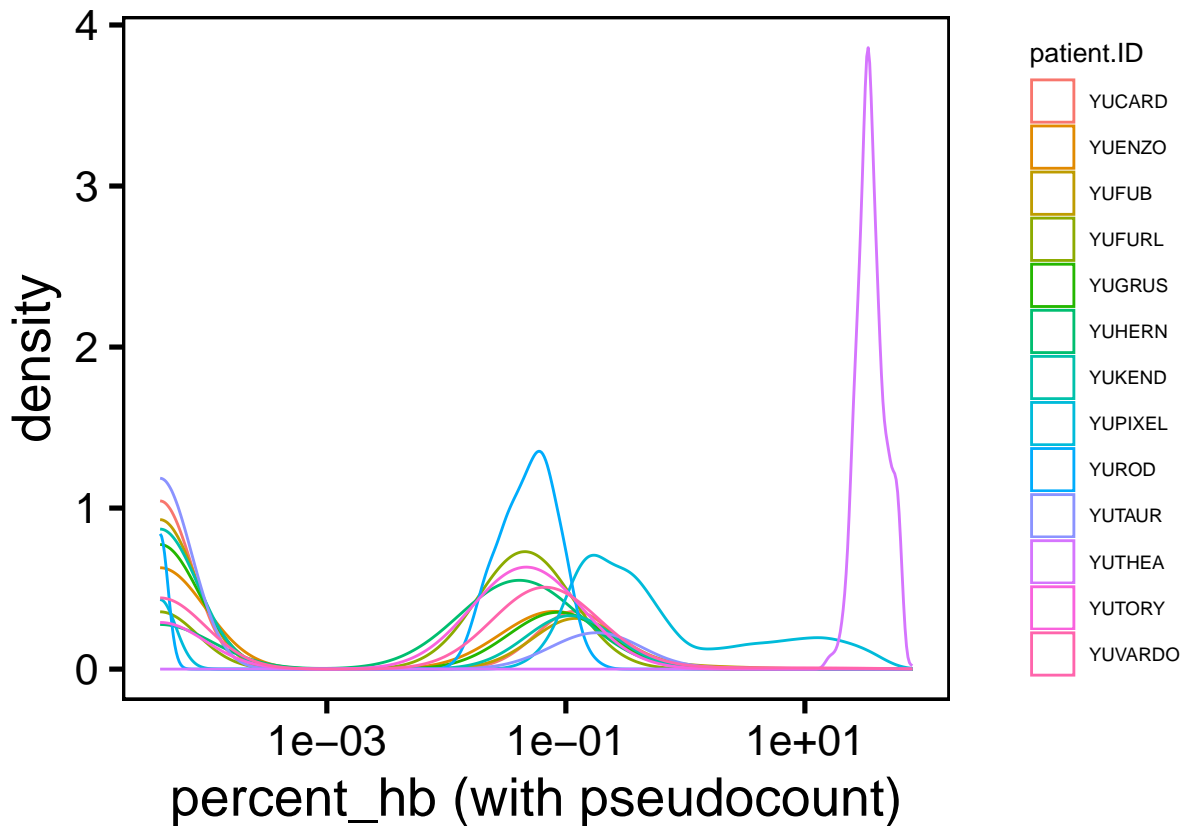
Plot distributions of percent hemoglobin across samples

```
percent_hb_QC <- ggplot(batch_a@meta.data, mapping = aes(x = percent_hb + 1/length(colnames(batch_a))))
  geom_density(mapping = aes(color = patient.ID), size = 0.5) +
  scale_x_log10() +
  xlab("percent_hb (with pseudocount)")

ggsave(percent_hb_QC, file = "../figures/percent_hb.svg")
```

```
## Saving 6.5 x 4.5 in image
```

```
percent_hb_QC
```



authors didn't mention cutoff for this

Filter cells based on QC metrics, track how many drop out

```
cellsKeep <-
  WhichCells(
    batch_a, expression = nFeature_RNA >= qcMetricsThresholds["nFeature_RNA_min"]) %>%
  intersect(
    WhichCells(
      batch_a, expression = nFeature_RNA <= qcMetricsThresholds["nFeature_RNA_max"])) %>%
  intersect(
    WhichCells(
      batch_a, expression = percent_mito <= qcMetricsThresholds["percent_mito"]))
cellsDrop <-
  setdiff(colnames(batch_a), cellsKeep)
length(cellsDrop) # 0 cells dropped from analysis
```

```
## [1] 0
```

```
# X cells dropped due to nFeature_RNA threshold
cellsDropped_nFeature <- sum(
  batch_a$nFeature_RNA < qcMetricsThresholds["nFeature_RNA"]
```

```

)

# X cells dropped due to percent_mito threshold
cellsDropped_percentMito <- sum(
  batch_a$percent_mito > qcMetricsThresholds["percent_mito"]
)

batch_a_filtered <-
  subset(batch_a, cells = cellsKeep)

length(colnames(batch_a_filtered)) # 24087 cells left behind in filtered data

## [1] 24807

```

Count cells after QC filtering

```

cell_capture <- batch_a_filtered@meta.data %>%
  group_by(orig.ident) %>%
  dplyr::count()

cell_capture %>% arrange(n)

## # A tibble: 1 x 2
## # Groups:   orig.ident [1]
##   orig.ident      n
##   <fct>         <int>
## 1 batch_a      24807

```

Count cells per sample after QC filtering

```

cell_capture <- batch_a_filtered@meta.data %>%
  group_by(patient.ID) %>%
  dplyr::count()

cell_capture %>% arrange(n)

## # A tibble: 13 x 2
## # Groups:   patient.ID [13]
##   patient.ID      n
##   <chr>         <int>
## 1 YUHERN         205
## 2 YUTORY         403
## 3 YUTHEA         796
## 4 YUENZO         890
## 5 YUVARDO        956
## 6 YUFURL        1037
## 7 YUGRUS        1713

```

##	8	YUROD	2103
##	9	YUKEND	2104
##	10	YUFUB	2989
##	11	YUPIXEL	3169
##	12	YUTAUUR	3938
##	13	YUCARD	4504

Save the resulting QC filtered Seurat object

```
saveRDS(batch_a_filtered, file="../saved_data/batch_a_filtered.rds")
```