

# Read counting for the 2016-17 cohort

EJC

25/06/2020, based on code from May 2019

The Babraham compute cluster does not contain a global tex installation, so a local tex is added to \$PATH to allow knitting to pdf.

```
Sys.setenv(PATH=paste(Sys.getenv("PATH"),  
                      "/bi/home/carre/texlive/2017/bin/x86_64-linux/",sep=":"))
```

```
## This code will need modification to reflect local file structure.
```

```
fls <- list.files(  
  # on BI cluster all sequencing data is stored:  
  path = "/bi/sequencing/",  
  # This gets all hisat2 aligned bams  
  pattern = "hisat2.bam",  
  # Look in all subdirectories  
  recursive = T,  
  # Get full path:  
  full.names = T)
```

```
# We only want ALFNA samples  
# [ignore other BI sequencing projects shared with me]  
fls <- fls [ grepl(fls, pattern = "ALFNA")]
```

```
# Select the HA+ B cell data:  
fls <- fls [ grepl(fls, pattern = "HA")]
```

```
# Remove the pilot sample, 160Y_d42 from ALFNA14.  
fls <- fls [ ! grepl(fls, pattern = "160Y")]
```

```
bam <- basename(fls)
```

```
ifelse(  
  any(grepl(list.dirs(), pattern = "/data")),  
  "Data directory already exists",  
  # Data directory should be made:  
  system("mkdir data"))
```

```
## [1] "Data directory already exists"
```

```
save(bam, fls, file = "data/bam_fls_paths.RData")
```

```
library(Rsubread)
```

```
counts <- featureCounts(files = fls,  
                        ## change this path to your local gtf:
```



```

## || o lane6963_CGTACTAG_TCTCTCCG_cDNA190807_A2_5 ... ||
## || o lane6963_CTCTCTAC_AAGGAGTA_cDNA190807_D7_5 ... ||
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## || o lane6967_TCCTGAGC_TCTCTCCG_cDNA190820_A4_5 ... ||
## || o lane6976_AAGAGGCA_AAGGAGTA_cDNA190821_D9_6 ... ||
## || o lane6976_AAGAGGCA_ACTGCATA_cDNA190821_E9_6 ... ||
## || o lane6976_AAGAGGCA_CGTCTAAT_cDNA190821_B9_6 ... ||
## || o lane6976_AAGAGGCA_CTAAGCCT_cDNA190821_C9_6 ... ||
## || o lane6976_AAGAGGCA_CTCTCTAT_cDNA190821_H9_6 ... ||
## || o lane6976_AAGAGGCA_GTAAGGAG_cDNA190821_F9_6 ... ||
## || o lane6976_AAGAGGCA_TATCCTCT_cDNA190821_G9_6 ... ||
## || o lane6976_AAGAGGCA_TCTCTCCG_cDNA190821_A9_6 ... ||
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## || o lane6976_AGGCAGAA_ACTGCATA_cDNA190821_E3_5 ... ||
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## || o lane6976_AGGCAGAA_CTAAGCCT_cDNA190821_C3_5 ... ||
## || o lane6976_AGGCAGAA_CTCTCTAT_cDNA190821_H3_5 ... ||
## || o lane6976_AGGCAGAA_GTAAGGAG_cDNA190821_F3_5 ... ||
## || o lane6976_AGGCAGAA_TATCCTCT_cDNA190821_G3_5 ... ||
## || o lane6976_AGGCAGAA_TCTCTCCG_cDNA190821_A3_5 ... ||
## || o lane6976_ATCTCAGG_AAGGAGTA_cDNA190821_D12_ ... ||
## || o lane6976_ATCTCAGG_ACTGCATA_cDNA190821_E12_ ... ||
## || o lane6976_ATCTCAGG_CGTCTAAT_cDNA190821_B12_ ... ||
## || o lane6976_ATCTCAGG_CTAAGCCT_cDNA190821_C12_ ... ||
## || o lane6976_ATCTCAGG_CTCTCTAT_cDNA190821_H12_ ... ||

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## || o lane6976_ATCTCAGG_GTAAGGAG_cDNA190821_F12_ ... ||
## || o lane6976_ATCTCAGG_TATCCTCT_cDNA190821_G12_ ... ||
## || o lane6976_ATCTCAGG_TCTCTCCG_cDNA190821_A12_ ... ||
## || o lane6976_CGAGGCTG_AAGGAGTA_cDNA190821_D8_6 ... ||
## || o lane6976_CGAGGCTG_ACTGCATA_cDNA190821_E8_6 ... ||
## || o lane6976_CGAGGCTG_CGTCTAAT_cDNA190821_B8_6 ... ||
## || o lane6976_CGAGGCTG_CTAAGCCT_cDNA190821_C8_6 ... ||
## || o lane6976_CGAGGCTG_CTCTCTAT_cDNA190821_H8_6 ... ||
## || o lane6976_CGAGGCTG_GTAAGGAG_cDNA190821_F8_6 ... ||
## || o lane6976_CGAGGCTG_TATCCTCT_cDNA190821_G8_6 ... ||
## || o lane6976_CGAGGCTG_TCTCTCCG_cDNA190821_A8_6 ... ||
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## || o lane6976_CGTACTAG_ACTGCATA_cDNA190821_E2_5 ... ||
## || o lane6976_CGTACTAG_CGTCTAAT_cDNA190821_B2_5 ... ||
## || o lane6976_CGTACTAG_CTAAGCCT_cDNA190821_C2_5 ... ||
## || o lane6976_CGTACTAG_CTCTCTAT_cDNA190821_H2_5 ... ||
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## || o lane6976_CGTACTAG_TATCCTCT_cDNA190821_G2_5 ... ||
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## || o lane6976_CTCTCTAC_ACTGCATA_cDNA190821_E7_6 ... ||
## || o lane6976_CTCTCTAC_CGTCTAAT_cDNA190821_B7_6 ... ||
## || o lane6976_CTCTCTAC_CTAAGCCT_cDNA190821_C7_6 ... ||
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## || o lane6976_GTCATGA_CGTCTAAT_cDNA190821_B11_ ... ||
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## || o lane6976_GTCATGA_CTCTCTAT_cDNA190821_H11_ ... ||
## || o lane6976_GTCATGA_GTAAGGAG_cDNA190821_F11_ ... ||
## || o lane6976_GTCATGA_TATCCTCT_cDNA190821_G11_ ... ||
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## || o lane6976_GGACTCCT_CTAAGCCT_cDNA190821_C5_5 ... ||
## || o lane6976_GGACTCCT_CTCTCTAT_cDNA190821_H5_5 ... ||
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## || o lane6976_GGACTCCT_TATCCTCT_cDNA190821_G5_5 ... ||
## || o lane6976_GGACTCCT_TCTCTCCG_cDNA190821_A5_5 ... ||
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## || o lane6976_GTAGAGGA_TCTCTCCG_cDNA190821_A10_ ... ||
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## || o lane6976_TAAGGCGA_ACTGCATA_cDNA190821_E1_5 ... ||
## || o lane6976_TAAGGCGA_CGTCTAAT_cDNA190821_B1_5 ... ||

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## || o lane6976_TAAGGCGA_CTAAGCCT_cDNA190821_C1_5 ... ||
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## || o lane7055_CGAGGCTG_CTCTCTAT_lib190910_H8_52 ... ||
## || o lane7055_CGAGGCTG_GTAAGGAG_lib190910_F8_52 ... ||
## || o lane7055_CGAGGCTG_TATCCTCT_lib190910_G8_52 ... ||
## || o lane7055_CGAGGCTG_TCTCTCCG_lib190910_A8_52 ... ||
## || o lane7055_CGTACTAG_AAGGAGTA_lib190910_D2_50 ... ||

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## || o lane7055_CGTACTAG_ACTGCATA_lib190910_E2_50 ... ||
## || o lane7055_CGTACTAG_CGTCTAAT_lib190910_B2_50 ... ||
## || o lane7055_CGTACTAG_CTAAGCCT_lib190910_C2_50 ... ||
## || o lane7055_CGTACTAG_CTCTCTAT_lib190910_H2_50 ... ||
## || o lane7055_CGTACTAG_GTAAGGAG_lib190910_F2_50 ... ||
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## || o lane7055_CTCTCTAC_CGTCTAAT_lib190910_B7_52 ... ||
## || o lane7055_CTCTCTAC_CTAAGCCT_lib190910_C7_52 ... ||
## || o lane7055_CTCTCTAC_CTCTCTAT_lib190910_H7_52 ... ||
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## || o lane7055_GTAGAGGA_CTCTCTAT_lib190910_H10_5 ... ||
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## || o lane7055_TAAGGCGA_CGTCTAAT_lib190910_B1_50 ... ||
## || o lane7055_TAAGGCGA_CTAAGCCT_lib190910_C1_50 ... ||
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## || o lane7055_TAAGGCGA_TATCCTCT_lib190910_G1_50 ... ||
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## || o lane7055_TAGGCATG_CGTCTAAT_lib190910_B6_50 ... ||
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## || o lane7055_TAGGCATG_GTAAGGAG_lib190910_F6_50 ... ||
## || o lane7055_TAGGCATG_TATCCTCT_lib190910_G6_50 ... ||

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## || o lane7055_TAGGCATG_TCTCTCCG_lib190910_A6_50 ... ||
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## || o lane7055_TCCTGAGC_TATCCTCT_lib190910_G4_50 ... ||
## || o lane7055_TCCTGAGC_TCTCTCCG_lib190910_A4_50 ... ||
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## || o lane7052_CTCTCTAC_CTAAGCCT_cDNA190916_C7_6 ... ||
## || o lane7052_CTCTCTAC_CTCTCTAT_cDNA190916_H7_6 ... ||

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## || o lane7052_CTCTCTAC_GTAAGGAG_cDNA190916_F7_6 ... ||
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## || o lane7023_AAGAGGCA_ACTGCATA_cDNA190917_E9_6 ... ||
## || o lane7023_AAGAGGCA_CGTCTAAT_cDNA190917_B9_6 ... ||

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## || o lane7043_CTCTCTAC_CTCTCTAT_cDNA190920_H7_5 ... ||
## || o lane7043_CTCTCTAC_GTAAGGAG_cDNA190920_F7_5 ... ||
## || o lane7043_CTCTCTAC_TATCCTCT_cDNA190920_G7_5 ... ||
## || o lane7043_CTCTCTAC_TCTCTCCG_cDNA190920_A7_6 ... ||
## || o lane7043_GCTCATGA_AAGGAGTA_cDNA190920_D11_ ... ||
## || o lane7043_GCTCATGA_ACTGCATA_cDNA190920_E11_ ... ||
## || o lane7043_GCTCATGA_CGTCTAAT_cDNA190920_B11_ ... ||
## || o lane7043_GCTCATGA_CTAAGCCT_cDNA190920_C11_ ... ||
## || o lane7043_GCTCATGA_CTCTCTAT_cDNA190920_H11_ ... ||
## || o lane7043_GCTCATGA_GTAAGGAG_cDNA190920_F11_ ... ||
## || o lane7043_GCTCATGA_TATCCTCT_cDNA190920_G11_ ... ||
## || o lane7043_GCTCATGA_TCTCTCCG_cDNA190920_A11_ ... ||
## || o lane7043_GGACTCCT_AAGGAGTA_cDNA190920_D5_5 ... ||
## || o lane7043_GGACTCCT_ACTGCATA_cDNA190920_E5_5 ... ||
## || o lane7043_GGACTCCT_CGTCTAAT_cDNA190920_B5_5 ... ||
## || o lane7043_GGACTCCT_CTAAGCCT_cDNA190920_C5_5 ... ||
## || o lane7043_GGACTCCT_CTCTCTAT_cDNA190920_H5_5 ... ||
## || o lane7043_GGACTCCT_GTAAGGAG_cDNA190920_F5_5 ... ||
## || o lane7043_GGACTCCT_TATCCTCT_cDNA190920_G5_5 ... ||
## || o lane7043_GGACTCCT_TCTCTCCG_cDNA190920_A5_5 ... ||
## || o lane7043_GTAGAGGA_AAGGAGTA_cDNA190920_D10_ ... ||
## || o lane7043_GTAGAGGA_ACTGCATA_cDNA190920_E10_ ... ||
## || o lane7043_GTAGAGGA_CGTCTAAT_cDNA190920_B10_ ... ||
## || o lane7043_GTAGAGGA_CTAAGCCT_cDNA190920_C10_ ... ||
## || o lane7043_GTAGAGGA_CTCTCTAT_cDNA190920_H10_ ... ||
## || o lane7043_GTAGAGGA_GTAAGGAG_cDNA190920_F10_ ... ||
## || o lane7043_GTAGAGGA_TATCCTCT_cDNA190920_G10_ ... ||
## || o lane7043_GTAGAGGA_TCTCTCCG_cDNA190920_A10_ ... ||
## || o lane7043_TAAGGCGA_AAGGAGTA_cDNA190920_D1_5 ... ||
## || o lane7043_TAAGGCGA_ACTGCATA_cDNA190920_E1_5 ... ||
## || o lane7043_TAAGGCGA_CGTCTAAT_cDNA190920_B1_5 ... ||
## || o lane7043_TAAGGCGA_CTAAGCCT_cDNA190920_C1_5 ... ||
## || o lane7043_TAAGGCGA_CTCTCTAT_cDNA190920_H1_5 ... ||
## || o lane7043_TAAGGCGA_GTAAGGAG_cDNA190920_F1_5 ... ||
## || o lane7043_TAAGGCGA_TATCCTCT_cDNA190920_G1_5 ... ||
## || o lane7043_TAAGGCGA_TCTCTCCG_cDNA190920_A1_5 ... ||
## || o lane7043_TAGGCATG_AAGGAGTA_cDNA190920_D6_5 ... ||

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## || o lane7043_TAGGCATG_ACTGCATA_cDNA190920_E6_5 ... ||
## || o lane7043_TAGGCATG_CGTCTAAT_cDNA190920_B6_5 ... ||
## || o lane7043_TAGGCATG_CTAAGCCT_cDNA190920_C6_5 ... ||
## || o lane7043_TAGGCATG_CTCTCTAT_cDNA190920_H6_5 ... ||
## || o lane7043_TAGGCATG_GTAAGGAG_cDNA190920_F6_5 ... ||
## || o lane7043_TAGGCATG_TATCCTCT_cDNA190920_G6_5 ... ||
## || o lane7043_TAGGCATG_TCTCTCCG_cDNA190920_A6_5 ... ||
## || o lane7043_TCCTGAGC_AAGGAGTA_cDNA190920_D4_5 ... ||
## || o lane7043_TCCTGAGC_ACTGCATA_cDNA190920_E4_5 ... ||
## || o lane7043_TCCTGAGC_CGTCTAAT_cDNA190920_B4_5 ... ||
## || o lane7043_TCCTGAGC_CTAAGCCT_cDNA190920_C4_5 ... ||
## || o lane7043_TCCTGAGC_CTCTCTAT_cDNA190920_H4_5 ... ||
## || o lane7043_TCCTGAGC_GTAAGGAG_cDNA190920_F4_5 ... ||
## || o lane7043_TCCTGAGC_TATCCTCT_cDNA190920_G4_5 ... ||
## || o lane7043_TCCTGAGC_TCTCTCCG_cDNA190920_A4_5 ... ||
## || o lane7048_AAGAGGCA_AAGGAGTA_cDNA190921_D9_6 ... ||
## || o lane7048_AAGAGGCA_ACTGCATA_cDNA190921_E9_6 ... ||
## || o lane7048_AAGAGGCA_CGTCTAAT_cDNA190921_B9_6 ... ||
## || o lane7048_AAGAGGCA_CTAAGCCT_cDNA190921_C9_6 ... ||
## || o lane7048_AAGAGGCA_CTCTCTAT_cDNA190921_H9_6 ... ||
## || o lane7048_AAGAGGCA_GTAAGGAG_cDNA190921_F9_6 ... ||
## || o lane7048_AAGAGGCA_TATCCTCT_cDNA190921_G9_6 ... ||
## || o lane7048_AAGAGGCA_TCTCTCCG_cDNA190921_A9_6 ... ||
## || o lane7048_AGGCAGAA_AAGGAGTA_cDNA190921_D3_6 ... ||
## || o lane7048_AGGCAGAA_ACTGCATA_cDNA190921_E3_6 ... ||
## || o lane7048_AGGCAGAA_CGTCTAAT_cDNA190921_B3_6 ... ||
## || o lane7048_AGGCAGAA_CTAAGCCT_cDNA190921_C3_6 ... ||
## || o lane7048_AGGCAGAA_CTCTCTAT_cDNA190921_H3_6 ... ||
## || o lane7048_AGGCAGAA_GTAAGGAG_cDNA190921_F3_6 ... ||
## || o lane7048_AGGCAGAA_TATCCTCT_cDNA190921_G3_6 ... ||
## || o lane7048_AGGCAGAA_TCTCTCCG_cDNA190921_A3_6 ... ||
## || o lane7048_ATCTCAGG_AAGGAGTA_cDNA190921_D12_ ... ||
## || o lane7048_ATCTCAGG_ACTGCATA_cDNA190921_E12_ ... ||
## || o lane7048_ATCTCAGG_CGTCTAAT_cDNA190921_B12_ ... ||
## || o lane7048_ATCTCAGG_CTAAGCCT_cDNA190921_C12_ ... ||
## || o lane7048_ATCTCAGG_CTCTCTAT_cDNA190921_H12_ ... ||
## || o lane7048_ATCTCAGG_GTAAGGAG_cDNA190921_F12_ ... ||
## || o lane7048_ATCTCAGG_TATCCTCT_cDNA190921_G12_ ... ||
## || o lane7048_ATCTCAGG_TCTCTCCG_cDNA190921_A12_ ... ||
## || o lane7048_CGAGGCTG_AAGGAGTA_cDNA190921_D8_6 ... ||
## || o lane7048_CGAGGCTG_ACTGCATA_cDNA190921_E8_6 ... ||
## || o lane7048_CGAGGCTG_CGTCTAAT_cDNA190921_B8_6 ... ||
## || o lane7048_CGAGGCTG_CTAAGCCT_cDNA190921_C8_6 ... ||
## || o lane7048_CGAGGCTG_CTCTCTAT_cDNA190921_H8_6 ... ||
## || o lane7048_CGAGGCTG_GTAAGGAG_cDNA190921_F8_6 ... ||
## || o lane7048_CGAGGCTG_TATCCTCT_cDNA190921_G8_6 ... ||
## || o lane7048_CGAGGCTG_TCTCTCCG_cDNA190921_A8_6 ... ||
## || o lane7048_CGTACTAG_AAGGAGTA_cDNA190921_D2_5 ... ||
## || o lane7048_CGTACTAG_ACTGCATA_cDNA190921_E2_5 ... ||
## || o lane7048_CGTACTAG_CGTCTAAT_cDNA190921_B2_5 ... ||
## || o lane7048_CGTACTAG_CTAAGCCT_cDNA190921_C2_5 ... ||
## || o lane7048_CGTACTAG_CTCTCTAT_cDNA190921_H2_5 ... ||
## || o lane7048_CGTACTAG_GTAAGGAG_cDNA190921_F2_5 ... ||
## || o lane7048_CGTACTAG_TATCCTCT_cDNA190921_G2_5 ... ||

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## || o lane7048_CGTACTAG_TCTCTCCG_cDNA190921_A2_5 ... ||
## || o lane7048_CTCTCTAC_AAGGAGTA_cDNA190921_D7_6 ... ||
## || o lane7048_CTCTCTAC_ACTGCATA_cDNA190921_E7_6 ... ||
## || o lane7048_CTCTCTAC_CGTCTAAT_cDNA190921_B7_6 ... ||
## || o lane7048_CTCTCTAC_CTAAGCCT_cDNA190921_C7_6 ... ||
## || o lane7048_CTCTCTAC_CTCTCTAT_cDNA190921_H7_6 ... ||
## || o lane7048_CTCTCTAC_GTAAGGAG_cDNA190921_F7_6 ... ||
## || o lane7048_CTCTCTAC_TATCCTCT_cDNA190921_G7_6 ... ||
## || o lane7048_CTCTCTAC_TCTCTCCG_cDNA190921_A7_6 ... ||
## || o lane7048_GCTCATGA_AAGGAGTA_cDNA190921_D11_ ... ||
## || o lane7048_GCTCATGA_ACTGCATA_cDNA190921_E11_ ... ||
## || o lane7048_GCTCATGA_CGTCTAAT_cDNA190921_B11_ ... ||
## || o lane7048_GCTCATGA_CTAAGCCT_cDNA190921_C11_ ... ||
## || o lane7048_GCTCATGA_CTCTCTAT_cDNA190921_H11_ ... ||
## || o lane7048_GCTCATGA_GTAAGGAG_cDNA190921_F11_ ... ||
## || o lane7048_GCTCATGA_TATCCTCT_cDNA190921_G11_ ... ||
## || o lane7048_GCTCATGA_TCTCTCCG_cDNA190921_A11_ ... ||
## || o lane7048_GGACTCCT_AAGGAGTA_cDNA190921_D5_6 ... ||
## || o lane7048_GGACTCCT_ACTGCATA_cDNA190921_E5_6 ... ||
## || o lane7048_GGACTCCT_CGTCTAAT_cDNA190921_B5_6 ... ||
## || o lane7048_GGACTCCT_CTAAGCCT_cDNA190921_C5_6 ... ||
## || o lane7048_GGACTCCT_CTCTCTAT_cDNA190921_H5_6 ... ||
## || o lane7048_GGACTCCT_GTAAGGAG_cDNA190921_F5_6 ... ||
## || o lane7048_GGACTCCT_TATCCTCT_cDNA190921_G5_6 ... ||
## || o lane7048_GGACTCCT_TCTCTCCG_cDNA190921_A5_6 ... ||
## || o lane7048_GTAGAGGA_AAGGAGTA_cDNA190921_D10_ ... ||
## || o lane7048_GTAGAGGA_ACTGCATA_cDNA190921_E10_ ... ||
## || o lane7048_GTAGAGGA_CGTCTAAT_cDNA190921_B10_ ... ||
## || o lane7048_GTAGAGGA_CTAAGCCT_cDNA190921_C10_ ... ||
## || o lane7048_GTAGAGGA_CTCTCTAT_cDNA190921_H10_ ... ||
## || o lane7048_GTAGAGGA_GTAAGGAG_cDNA190921_F10_ ... ||
## || o lane7048_GTAGAGGA_TATCCTCT_cDNA190921_G10_ ... ||
## || o lane7048_GTAGAGGA_TCTCTCCG_cDNA190921_A10_ ... ||
## || o lane7048_TAAGGCGA_AAGGAGTA_cDNA190921_D1_5 ... ||
## || o lane7048_TAAGGCGA_ACTGCATA_cDNA190921_E1_5 ... ||
## || o lane7048_TAAGGCGA_CGTCTAAT_cDNA190921_B1_5 ... ||
## || o lane7048_TAAGGCGA_CTAAGCCT_cDNA190921_C1_5 ... ||
## || o lane7048_TAAGGCGA_CTCTCTAT_cDNA190921_H1_5 ... ||
## || o lane7048_TAAGGCGA_GTAAGGAG_cDNA190921_F1_5 ... ||
## || o lane7048_TAAGGCGA_TATCCTCT_cDNA190921_G1_5 ... ||
## || o lane7048_TAAGGCGA_TCTCTCCG_cDNA190921_A1_5 ... ||
## || o lane7048_TAGGCATG_AAGGAGTA_cDNA190921_D6_6 ... ||
## || o lane7048_TAGGCATG_ACTGCATA_cDNA190921_E6_6 ... ||
## || o lane7048_TAGGCATG_CGTCTAAT_cDNA190921_B6_6 ... ||
## || o lane7048_TAGGCATG_CTAAGCCT_cDNA190921_C6_6 ... ||
## || o lane7048_TAGGCATG_CTCTCTAT_cDNA190921_H6_6 ... ||
## || o lane7048_TAGGCATG_GTAAGGAG_cDNA190921_F6_6 ... ||
## || o lane7048_TAGGCATG_TATCCTCT_cDNA190921_G6_6 ... ||
## || o lane7048_TAGGCATG_TCTCTCCG_cDNA190921_A6_6 ... ||
## || o lane7048_TCCTGAGC_AAGGAGTA_cDNA190921_D4_6 ... ||
## || o lane7048_TCCTGAGC_ACTGCATA_cDNA190921_E4_6 ... ||
## || o lane7048_TCCTGAGC_CGTCTAAT_cDNA190921_B4_6 ... ||
## || o lane7048_TCCTGAGC_CTAAGCCT_cDNA190921_C4_6 ... ||
## || o lane7048_TCCTGAGC_CTCTCTAT_cDNA190921_H4_6 ... ||

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## ||                                     o lane7048_TCCTGAGC_GTAAGGAG_cDNA190921_F4_6 ... ||
## ||                                     o lane7048_TCCTGAGC_TATCCTCT_cDNA190921_G4_6 ... ||
## ||                                     o lane7048_TCCTGAGC_TCTCTCCG_cDNA190921_A4_6 ... ||
## ||                                     ||
## ||               Annotation : Homo_sapiens.GRCh38.87.gtf (GTF) ||
## ||       Dir for temp files : . ||
## ||               Threads : 7 ||
## ||               Level : meta-feature level ||
## ||               Paired-end : no ||
## ||       Multimapping reads : counted ||
## || Multi-overlapping reads : not counted ||
## ||       Min overlapping bases : 1 ||
## || ||
## \\=====\\
##
## //===== Running =====\\
## || ||
## || Load annotation file Homo_sapiens.GRCh38.87.gtf ... ||
## ||       Features : 1182163 ||
## ||       Meta-features : 58051 ||
## ||       Chromosomes/contigs : 47 ||
## || ||
## || Process BAM file lane6963_AAGAGGCA_AAGGAGTA_cDNA190807_D9_594V_d42_L00 ... ||
## ||       WARNING: Paired-end reads were found. ||
## ||       Total alignments : 2580798 ||
## ||       Successfully assigned alignments : 2101877 (81.4%) ||
## ||       Running time : 0.04 minutes ||
## || ||
## || Process BAM file lane6963_AAGAGGCA_ACTGCATA_cDNA190807_E9_594V_d42_L00 ... ||
## ||       WARNING: Paired-end reads were found. ||
## ||       Total alignments : 2144642 ||
## ||       Successfully assigned alignments : 1710815 (79.8%) ||
## ||       Running time : 0.04 minutes ||
## || ||
## || Process BAM file lane6963_AAGAGGCA_CGTCTAAT_cDNA190807_B9_594V_d42_L00 ... ||
## ||       WARNING: Paired-end reads were found. ||
## ||       Total alignments : 6348452 ||
## ||       Successfully assigned alignments : 4728794 (74.5%) ||
## ||       Running time : 0.09 minutes ||
## || ||
## || Process BAM file lane6963_AAGAGGCA_CTAAGCCT_cDNA190807_C9_594V_d42_L00 ... ||
## ||       WARNING: Paired-end reads were found. ||
## ||       Total alignments : 3017776 ||
## ||       Successfully assigned alignments : 2440979 (80.9%) ||
## ||       Running time : 0.05 minutes ||
## || ||
## || Process BAM file lane6963_AAGAGGCA_CTCTCTAT_cDNA190807_H9_594V_d42_L00 ... ||
## ||       WARNING: Paired-end reads were found. ||
## ||       Total alignments : 3833180 ||
## ||       Successfully assigned alignments : 3039898 (79.3%) ||
## ||       Running time : 0.06 minutes ||
## || ||
## || Process BAM file lane6963_AAGAGGCA_GTAAGGAG_cDNA190807_F9_594V_d42_L00 ... ||
## ||       WARNING: Paired-end reads were found. ||

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## || Total alignments : 2423304 ||
## || Successfully assigned alignments : 1921064 (79.3%) ||
## || Running time : 0.03 minutes ||
## ||
## || Process BAM file lane6963_AAGAGGCA_TATCTCT_cDNA190807_G9_594V_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 2719662 ||
## || Successfully assigned alignments : 2199891 (80.9%) ||
## || Running time : 0.04 minutes ||
## ||
## || Process BAM file lane6963_AAGAGGCA_TCTCTCCG_cDNA190807_A9_594V_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 4162020 ||
## || Successfully assigned alignments : 3231862 (77.7%) ||
## || Running time : 0.06 minutes ||
## ||
## || Process BAM file lane6963_AGGCAGAA_AAGGAGTA_cDNA190807_D3_545R_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 1558612 ||
## || Successfully assigned alignments : 1154052 (74.0%) ||
## || Running time : 0.03 minutes ||
## ||
## || Process BAM file lane6963_AGGCAGAA_ACTGCATA_cDNA190807_E3_545R_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 1160692 ||
## || Successfully assigned alignments : 779406 (67.2%) ||
## || Running time : 0.03 minutes ||
## ||
## || Process BAM file lane6963_AGGCAGAA_CGTCTAAT_cDNA190807_B3_545R_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 4483614 ||
## || Successfully assigned alignments : 3872851 (86.4%) ||
## || Running time : 0.06 minutes ||
## ||
## || Process BAM file lane6963_AGGCAGAA_CTAAGCCT_cDNA190807_C3_545R_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 1315972 ||
## || Successfully assigned alignments : 818697 (62.2%) ||
## || Running time : 0.04 minutes ||
## ||
## || Process BAM file lane6963_AGGCAGAA_CTCTCTAT_cDNA190807_H3_545R_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 1610 ||
## || Successfully assigned alignments : 23 (1.4%) ||
## || Running time : 0.00 minutes ||
## ||
## || Process BAM file lane6963_AGGCAGAA_GTAAGGAG_cDNA190807_F3_545R_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 1259890 ||
## || Successfully assigned alignments : 989923 (78.6%) ||
## || Running time : 0.03 minutes ||
## ||
## || Process BAM file lane6963_AGGCAGAA_TATCTCT_cDNA190807_G3_545R_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||

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## || Total alignments : 2491066 ||
## || Successfully assigned alignments : 2080051 (83.5%) ||
## || Running time : 0.04 minutes ||
## ||
## || Process BAM file lane6963_AGGCAGAA_TCTCTCCG_cDNA190807_A3_545R_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 2535122 ||
## || Successfully assigned alignments : 1825301 (72.0%) ||
## || Running time : 0.04 minutes ||
## ||
## || Process BAM file lane6963_ATCTCAGG_AAGGAGTA_cDNA190807_D12_594V_d42_L0 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 5440648 ||
## || Successfully assigned alignments : 4242238 (78.0%) ||
## || Running time : 0.07 minutes ||
## ||
## || Process BAM file lane6963_ATCTCAGG_ACTGCATA_cDNA190807_E12_594V_d42_L0 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 2780520 ||
## || Successfully assigned alignments : 2135367 (76.8%) ||
## || Running time : 0.05 minutes ||
## ||
## || Process BAM file lane6963_ATCTCAGG_CGTCTAAT_cDNA190807_B12_594V_d42_L0 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 9798096 ||
## || Successfully assigned alignments : 7790641 (79.5%) ||
## || Running time : 0.12 minutes ||
## ||
## || Process BAM file lane6963_ATCTCAGG_CTAAGCCT_cDNA190807_C12_594V_d42_L0 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 8044246 ||
## || Successfully assigned alignments : 6428868 (79.9%) ||
## || Running time : 0.10 minutes ||
## ||
## || Process BAM file lane6963_ATCTCAGG_CTCTCTAT_cDNA190807_H12_594V_d42_L0 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 5079074 ||
## || Successfully assigned alignments : 3986080 (78.5%) ||
## || Running time : 0.07 minutes ||
## ||
## || Process BAM file lane6963_ATCTCAGG_GTAAGGAG_cDNA190807_F12_594V_d42_L0 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 3246166 ||
## || Successfully assigned alignments : 2500935 (77.0%) ||
## || Running time : 0.05 minutes ||
## ||
## || Process BAM file lane6963_ATCTCAGG_TATCCTCT_cDNA190807_G12_594V_d42_L0 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 6179136 ||
## || Successfully assigned alignments : 4745444 (76.8%) ||
## || Running time : 0.08 minutes ||
## ||
## || Process BAM file lane6963_ATCTCAGG_TCTCTCCG_cDNA190807_A12_594V_d42_L0 ... ||
## || WARNING: Paired-end reads were found. ||

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## || Total alignments : 2364 ||
## || Successfully assigned alignments : 99 (4.2%) ||
## || Running time : 0.00 minutes ||
## ||
## || Process BAM file lane6963_CGAGGCTG_AAGGAGTA_cDNA190807_D8_594V_d0_L001 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 2695762 ||
## || Successfully assigned alignments : 2182491 (81.0%) ||
## || Running time : 0.05 minutes ||
## ||
## || Process BAM file lane6963_CGAGGCTG_ACTGCATA_cDNA190807_E8_594V_d0_L001 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 1474826 ||
## || Successfully assigned alignments : 1258477 (85.3%) ||
## || Running time : 0.03 minutes ||
## ||
## || Process BAM file lane6963_CGAGGCTG_CGTCTAAT_cDNA190807_B8_594V_d0_L001 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 4092372 ||
## || Successfully assigned alignments : 3042074 (74.3%) ||
## || Running time : 0.06 minutes ||
## ||
## || Process BAM file lane6963_CGAGGCTG_CTAAGCCT_cDNA190807_C8_594V_d0_L001 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 2593344 ||
## || Successfully assigned alignments : 2042220 (78.7%) ||
## || Running time : 0.04 minutes ||
## ||
## || Process BAM file lane6963_CGAGGCTG_CTCTCTAT_cDNA190807_H8_594V_d0_L001 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 2710984 ||
## || Successfully assigned alignments : 2138931 (78.9%) ||
## || Running time : 0.05 minutes ||
## ||
## || Process BAM file lane6963_CGAGGCTG_GTAAGGAG_cDNA190807_F8_594V_d0_L001 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 2033770 ||
## || Successfully assigned alignments : 1602718 (78.8%) ||
## || Running time : 0.03 minutes ||
## ||
## || Process BAM file lane6963_CGAGGCTG_TATCCTCT_cDNA190807_G8_594V_d0_L001 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 2747574 ||
## || Successfully assigned alignments : 2151262 (78.3%) ||
## || Running time : 0.04 minutes ||
## ||
## || Process BAM file lane6963_CGAGGCTG_TCTCTCCG_cDNA190807_A8_594V_d0_L001 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 5311484 ||
## || Successfully assigned alignments : 4220297 (79.5%) ||
## || Running time : 0.07 minutes ||
## ||
## || Process BAM file lane6963_CGTACTAG_AAGGAGTA_cDNA190807_D2_545R_d0_L001 ... ||
## || WARNING: Paired-end reads were found. ||

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```

## || Total alignments : 3060652 ||
## || Successfully assigned alignments : 2578642 (84.3%) ||
## || Running time : 0.05 minutes ||
## ||
## || Process BAM file lane6963_CGTACTAG_ACTGCATA_cDNA190807_E2_545R_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 2676760 ||
## || Successfully assigned alignments : 2163855 (80.8%) ||
## || Running time : 0.04 minutes ||
## ||
## || Process BAM file lane6963_CGTACTAG_CGTCTAAT_cDNA190807_B2_545R_d0_L001 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 4898950 ||
## || Successfully assigned alignments : 3923504 (80.1%) ||
## || Running time : 0.06 minutes ||
## ||
## || Process BAM file lane6963_CGTACTAG_CTAAGCCT_cDNA190807_C2_545R_d0_L001 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 3376474 ||
## || Successfully assigned alignments : 2929559 (86.8%) ||
## || Running time : 0.05 minutes ||
## ||
## || Process BAM file lane6963_CGTACTAG_CTCTCTAT_cDNA190807_H2_545R_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 3577022 ||
## || Successfully assigned alignments : 2874478 (80.4%) ||
## || Running time : 0.05 minutes ||
## ||
## || Process BAM file lane6963_CGTACTAG_GTAAGGAG_cDNA190807_F2_545R_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 1980592 ||
## || Successfully assigned alignments : 1641556 (82.9%) ||
## || Running time : 0.03 minutes ||
## ||
## || Process BAM file lane6963_CGTACTAG_TATCCTCT_cDNA190807_G2_545R_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 3148744 ||
## || Successfully assigned alignments : 2641509 (83.9%) ||
## || Running time : 0.05 minutes ||
## ||
## || Process BAM file lane6963_CGTACTAG_TCTCTCCG_cDNA190807_A2_545R_d0_L001 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 3866772 ||
## || Successfully assigned alignments : 3169975 (82.0%) ||
## || Running time : 0.05 minutes ||
## ||
## || Process BAM file lane6963_CTCTCTAC_AAGGAGTA_cDNA190807_D7_594V_d0_L001 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 1018424 ||
## || Successfully assigned alignments : 779251 (76.5%) ||
## || Running time : 0.02 minutes ||
## ||
## || Process BAM file lane6963_CTCTCTAC_ACTGCATA_cDNA190807_E7_594V_d0_L001 ... ||
## || WARNING: Paired-end reads were found. ||

```



```

## || Total alignments : 1805656 ||
## || Successfully assigned alignments : 1310223 (72.6%) ||
## || Running time : 0.03 minutes ||
## ||
## || Process BAM file lane6963_CTCTCTAC_CGTCTAAT_cDNA190807_B7_594V_d0_L001 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 4433980 ||
## || Successfully assigned alignments : 2974763 (67.1%) ||
## || Running time : 0.06 minutes ||
## ||
## || Process BAM file lane6963_CTCTCTAC_CTAAGCCT_cDNA190807_C7_594V_d0_L001 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 2705152 ||
## || Successfully assigned alignments : 2207944 (81.6%) ||
## || Running time : 0.05 minutes ||
## ||
## || Process BAM file lane6963_CTCTCTAC_CTCTCTAT_cDNA190807_H7_594V_d0_L001 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 1707170 ||
## || Successfully assigned alignments : 1275533 (74.7%) ||
## || Running time : 0.03 minutes ||
## ||
## || Process BAM file lane6963_CTCTCTAC_GTAAGGAG_cDNA190807_F7_594V_d0_L001 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 2537970 ||
## || Successfully assigned alignments : 2006136 (79.0%) ||
## || Running time : 0.04 minutes ||
## ||
## || Process BAM file lane6963_CTCTCTAC_TATCCTCT_cDNA190807_G7_594V_d0_L001 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 2923856 ||
## || Successfully assigned alignments : 2227660 (76.2%) ||
## || Running time : 0.04 minutes ||
## ||
## || Process BAM file lane6963_CTCTCTAC_TCTCTCCG_cDNA190807_A7_594V_d0_L001 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 3910168 ||
## || Successfully assigned alignments : 3115792 (79.7%) ||
## || Running time : 0.06 minutes ||
## ||
## || Process BAM file lane6963_GCTCATGA_AAGGAGTA_cDNA190807_D11_594V_d42_L0 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 4079976 ||
## || Successfully assigned alignments : 3354652 (82.2%) ||
## || Running time : 0.06 minutes ||
## ||
## || Process BAM file lane6963_GCTCATGA_ACTGCATA_cDNA190807_E11_594V_d42_L0 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 2701548 ||
## || Successfully assigned alignments : 2062516 (76.3%) ||
## || Running time : 0.05 minutes ||
## ||
## || Process BAM file lane6963_GCTCATGA_CGTCTAAT_cDNA190807_B11_594V_d42_L0 ... ||
## || WARNING: Paired-end reads were found. ||

```

```

## || Total alignments : 7249488 ||
## || Successfully assigned alignments : 5893070 (81.3%) ||
## || Running time : 0.09 minutes ||
## ||
## || Process BAM file lane6963_GCTCATGA_CTAAGCCT_cDNA190807_C11_594V_d42_L0 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 4455410 ||
## || Successfully assigned alignments : 3428728 (77.0%) ||
## || Running time : 0.07 minutes ||
## ||
## || Process BAM file lane6963_GCTCATGA_CTCTCTAT_cDNA190807_H11_594V_d42_L0 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 4558694 ||
## || Successfully assigned alignments : 3614677 (79.3%) ||
## || Running time : 0.07 minutes ||
## ||
## || Process BAM file lane6963_GCTCATGA_GTAAGGAG_cDNA190807_F11_594V_d42_L0 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 2997254 ||
## || Successfully assigned alignments : 2396507 (80.0%) ||
## || Running time : 0.05 minutes ||
## ||
## || Process BAM file lane6963_GCTCATGA_TATCCTCT_cDNA190807_G11_594V_d42_L0 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 4677252 ||
## || Successfully assigned alignments : 3698023 (79.1%) ||
## || Running time : 0.07 minutes ||
## ||
## || Process BAM file lane6963_GCTCATGA_TCTCTCCG_cDNA190807_A11_594V_d42_L0 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 1306 ||
## || Successfully assigned alignments : 66 (5.1%) ||
## || Running time : 0.00 minutes ||
## ||
## || Process BAM file lane6963_GGACTCCT_AAGGAGTA_cDNA190807_D5_545R_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 652 ||
## || Successfully assigned alignments : 442 (67.8%) ||
## || Running time : 0.00 minutes ||
## ||
## || Process BAM file lane6963_GGACTCCT_ACTGCATA_cDNA190807_E5_545R_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 110314 ||
## || Successfully assigned alignments : 82907 (75.2%) ||
## || Running time : 0.01 minutes ||
## ||
## || Process BAM file lane6963_GGACTCCT_CGTCTAAT_cDNA190807_B5_545R_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 2532168 ||
## || Successfully assigned alignments : 2160656 (85.3%) ||
## || Running time : 0.05 minutes ||
## ||
## || Process BAM file lane6963_GGACTCCT_CTAAGCCT_cDNA190807_C5_545R_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||

```

```

## || Total alignments : 549514 ||
## || Successfully assigned alignments : 285159 (51.9%) ||
## || Running time : 0.02 minutes ||
## ||
## || Process BAM file lane6963_GGACTCCT_CTCTCTAT_cDNA190807_H5_545R_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 2918 ||
## || Successfully assigned alignments : 19 (0.7%) ||
## || Running time : 0.00 minutes ||
## ||
## || Process BAM file lane6963_GGACTCCT_GTAAGGAG_cDNA190807_F5_545R_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 681520 ||
## || Successfully assigned alignments : 462710 (67.9%) ||
## || Running time : 0.02 minutes ||
## ||
## || Process BAM file lane6963_GGACTCCT_TATCCTCT_cDNA190807_G5_545R_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 676898 ||
## || Successfully assigned alignments : 429835 (63.5%) ||
## || Running time : 0.02 minutes ||
## ||
## || Process BAM file lane6963_GGACTCCT_TCTCTCCG_cDNA190807_A5_545R_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 910 ||
## || Successfully assigned alignments : 585 (64.3%) ||
## || Running time : 0.00 minutes ||
## ||
## || Process BAM file lane6963_GTAGAGGA_AAGGAGTA_cDNA190807_D10_594V_d42_L0 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 3160242 ||
## || Successfully assigned alignments : 2588128 (81.9%) ||
## || Running time : 0.05 minutes ||
## ||
## || Process BAM file lane6963_GTAGAGGA_ACTGCATA_cDNA190807_E10_594V_d42_L0 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 971194 ||
## || Successfully assigned alignments : 818425 (84.3%) ||
## || Running time : 0.02 minutes ||
## ||
## || Process BAM file lane6963_GTAGAGGA_CGTCTAAT_cDNA190807_B10_594V_d42_L0 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 3847146 ||
## || Successfully assigned alignments : 3082718 (80.1%) ||
## || Running time : 0.06 minutes ||
## ||
## || Process BAM file lane6963_GTAGAGGA_CTAAGCCT_cDNA190807_C10_594V_d42_L0 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 4207660 ||
## || Successfully assigned alignments : 3461791 (82.3%) ||
## || Running time : 0.06 minutes ||
## ||
## || Process BAM file lane6963_GTAGAGGA_CTCTCTAT_cDNA190807_H10_594V_d42_L0 ... ||
## || WARNING: Paired-end reads were found. ||

```

```

## || Total alignments : 4138524 ||
## || Successfully assigned alignments : 3310760 (80.0%) ||
## || Running time : 0.06 minutes ||
## ||
## || Process BAM file lane6963_GTAGAGGA_GTAAGGAG_cDNA190807_F10_594V_d42_L0 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 3071126 ||
## || Successfully assigned alignments : 2486977 (81.0%) ||
## || Running time : 0.05 minutes ||
## ||
## || Process BAM file lane6963_GTAGAGGA_TATCCTCT_cDNA190807_G10_594V_d42_L0 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 4246076 ||
## || Successfully assigned alignments : 3351726 (78.9%) ||
## || Running time : 0.06 minutes ||
## ||
## || Process BAM file lane6963_GTAGAGGA_TCTCTCCG_cDNA190807_A10_594V_d42_L0 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 5825016 ||
## || Successfully assigned alignments : 4558533 (78.3%) ||
## || Running time : 0.08 minutes ||
## ||
## || Process BAM file lane6963_TAAGGCGA_AAGGAGTA_cDNA190807_D1_545R_d0_L001 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 2746398 ||
## || Successfully assigned alignments : 2229411 (81.2%) ||
## || Running time : 0.04 minutes ||
## ||
## || Process BAM file lane6963_TAAGGCGA_ACTGCATA_cDNA190807_E1_545R_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 948912 ||
## || Successfully assigned alignments : 784901 (82.7%) ||
## || Running time : 0.03 minutes ||
## ||
## || Process BAM file lane6963_TAAGGCGA_CGTCTAAT_cDNA190807_B1_545R_d0_L001 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 4650576 ||
## || Successfully assigned alignments : 3915935 (84.2%) ||
## || Running time : 0.06 minutes ||
## ||
## || Process BAM file lane6963_TAAGGCGA_CTAAGCCT_cDNA190807_C1_545R_d0_L001 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 2793498 ||
## || Successfully assigned alignments : 2295044 (82.2%) ||
## || Running time : 0.04 minutes ||
## ||
## || Process BAM file lane6963_TAAGGCGA_CTCTCTAT_cDNA190807_H1_545R_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 2815894 ||
## || Successfully assigned alignments : 2438168 (86.6%) ||
## || Running time : 0.04 minutes ||
## ||
## || Process BAM file lane6963_TAAGGCGA_GTAAGGAG_cDNA190807_F1_545R_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||

```

```

## || Total alignments : 1468858 ||
## || Successfully assigned alignments : 1254244 (85.4%) ||
## || Running time : 0.03 minutes ||
## ||
## || Process BAM file lane6963_TAAGGCGA_TATCTCT_cDNA190807_G1_545R_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 2300506 ||
## || Successfully assigned alignments : 1938360 (84.3%) ||
## || Running time : 0.05 minutes ||
## ||
## || Process BAM file lane6963_TAAGGCGA_TCTCTCCG_cDNA190807_A1_545R_d0_L001 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 3983524 ||
## || Successfully assigned alignments : 3128717 (78.5%) ||
## || Running time : 0.05 minutes ||
## ||
## || Process BAM file lane6963_TAGGCATG_AAGGAGTA_cDNA190807_D6_545R_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 247238 ||
## || Successfully assigned alignments : 170279 (68.9%) ||
## || Running time : 0.02 minutes ||
## ||
## || Process BAM file lane6963_TAGGCATG_ACTGCATA_cDNA190807_E6_545R_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 644436 ||
## || Successfully assigned alignments : 471825 (73.2%) ||
## || Running time : 0.02 minutes ||
## ||
## || Process BAM file lane6963_TAGGCATG_CGTCTAAT_cDNA190807_B6_545R_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 1656910 ||
## || Successfully assigned alignments : 1110575 (67.0%) ||
## || Running time : 0.03 minutes ||
## ||
## || Process BAM file lane6963_TAGGCATG_CTAAGCCT_cDNA190807_C6_545R_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 1755512 ||
## || Successfully assigned alignments : 1247824 (71.1%) ||
## || Running time : 0.04 minutes ||
## ||
## || Process BAM file lane6963_TAGGCATG_CTCTCTAT_cDNA190807_H6_545R_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 1718530 ||
## || Successfully assigned alignments : 1446229 (84.2%) ||
## || Running time : 0.03 minutes ||
## ||
## || Process BAM file lane6963_TAGGCATG_GTAAGGAG_cDNA190807_F6_545R_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 131828 ||
## || Successfully assigned alignments : 96491 (73.2%) ||
## || Running time : 0.01 minutes ||
## ||
## || Process BAM file lane6963_TAGGCATG_TATCTCT_cDNA190807_G6_545R_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||

```

```

## || Total alignments : 2646484 ||
## || Successfully assigned alignments : 2080799 (78.6%) ||
## || Running time : 0.04 minutes ||
## ||
## || Process BAM file lane6963_TAGGCATG_TCTCTCCG_cDNA190807_A6_545R_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 3410454 ||
## || Successfully assigned alignments : 2422102 (71.0%) ||
## || Running time : 0.05 minutes ||
## ||
## || Process BAM file lane6963_TCCTGAGC_AAGGAGTA_cDNA190807_D4_545R_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 240486 ||
## || Successfully assigned alignments : 170400 (70.9%) ||
## || Running time : 0.02 minutes ||
## ||
## || Process BAM file lane6963_TCCTGAGC_ACTGCATA_cDNA190807_E4_545R_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 181710 ||
## || Successfully assigned alignments : 135797 (74.7%) ||
## || Running time : 0.02 minutes ||
## ||
## || Process BAM file lane6963_TCCTGAGC_CGTCTAAT_cDNA190807_B4_545R_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 2737056 ||
## || Successfully assigned alignments : 2251524 (82.3%) ||
## || Running time : 0.04 minutes ||
## ||
## || Process BAM file lane6963_TCCTGAGC_CTAAGCCT_cDNA190807_C4_545R_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 1118180 ||
## || Successfully assigned alignments : 833309 (74.5%) ||
## || Running time : 0.03 minutes ||
## ||
## || Process BAM file lane6963_TCCTGAGC_CTCTCTAT_cDNA190807_H4_545R_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 1576 ||
## || Successfully assigned alignments : 8 (0.5%) ||
## || Running time : 0.00 minutes ||
## ||
## || Process BAM file lane6963_TCCTGAGC_GTAAGGAG_cDNA190807_F4_545R_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 62090 ||
## || Successfully assigned alignments : 45433 (73.2%) ||
## || Running time : 0.00 minutes ||
## ||
## || Process BAM file lane6963_TCCTGAGC_TATCCTCT_cDNA190807_G4_545R_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 2476972 ||
## || Successfully assigned alignments : 2159088 (87.2%) ||
## || Running time : 0.04 minutes ||
## ||
## || Process BAM file lane6963_TCCTGAGC_TCTCTCCG_cDNA190807_A4_545R_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||

```

```

## || Total alignments : 2276068 ||
## || Successfully assigned alignments : 1718866 (75.5%) ||
## || Running time : 0.04 minutes ||
## ||
## || Process BAM file lane6966_AAGAGGCA_AAGGAGTA_cDNA190819_D9_562K_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 636844 ||
## || Successfully assigned alignments : 463554 (72.8%) ||
## || Running time : 0.02 minutes ||
## ||
## || Process BAM file lane6966_AAGAGGCA_ACTGCATA_cDNA190819_E9_562K_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 822 ||
## || Successfully assigned alignments : 477 (58.0%) ||
## || Running time : 0.00 minutes ||
## ||
## || Process BAM file lane6966_AAGAGGCA_CGTCTAAT_cDNA190819_B9_562K_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 5093536 ||
## || Successfully assigned alignments : 3967635 (77.9%) ||
## || Running time : 0.07 minutes ||
## ||
## || Process BAM file lane6966_AAGAGGCA_CTAAGCCT_cDNA190819_C9_562K_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 358 ||
## || Successfully assigned alignments : 109 (30.4%) ||
## || Running time : 0.00 minutes ||
## ||
## || Process BAM file lane6966_AAGAGGCA_CTCTCTAT_cDNA190819_H9_562K_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 5369492 ||
## || Successfully assigned alignments : 4586969 (85.4%) ||
## || Running time : 0.08 minutes ||
## ||
## || Process BAM file lane6966_AAGAGGCA_GTAAGGAG_cDNA190819_F9_562K_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 837872 ||
## || Successfully assigned alignments : 590678 (70.5%) ||
## || Running time : 0.03 minutes ||
## ||
## || Process BAM file lane6966_AAGAGGCA_TATCCTCT_cDNA190819_G9_562K_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 659370 ||
## || Successfully assigned alignments : 460792 (69.9%) ||
## || Running time : 0.02 minutes ||
## ||
## || Process BAM file lane6966_AAGAGGCA_TCTCTCCG_cDNA190819_A9_562K_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 19294 ||
## || Successfully assigned alignments : 12045 (62.4%) ||
## || Running time : 0.00 minutes ||
## ||
## || Process BAM file lane6966_AGGCAGAA_AAGGAGTA_cDNA190819_D3_543P_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||

```

```

## || Total alignments : 2926364 ||
## || Successfully assigned alignments : 2410050 (82.4%) ||
## || Running time : 0.05 minutes ||
## ||
## || Process BAM file lane6966_AGGCAGAA_ACTGCATA_cDNA190819_E3_543P_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 2669166 ||
## || Successfully assigned alignments : 2105940 (78.9%) ||
## || Running time : 0.04 minutes ||
## ||
## || Process BAM file lane6966_AGGCAGAA_CGTCTAAT_cDNA190819_B3_543P_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 4530104 ||
## || Successfully assigned alignments : 3781490 (83.5%) ||
## || Running time : 0.06 minutes ||
## ||
## || Process BAM file lane6966_AGGCAGAA_CTAAGCCT_cDNA190819_C3_543P_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 3542118 ||
## || Successfully assigned alignments : 2993187 (84.5%) ||
## || Running time : 0.05 minutes ||
## ||
## || Process BAM file lane6966_AGGCAGAA_CTCTCTAT_cDNA190819_H3_543P_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 1297274 ||
## || Successfully assigned alignments : 1060662 (81.8%) ||
## || Running time : 0.04 minutes ||
## ||
## || Process BAM file lane6966_AGGCAGAA_GTAAGGAG_cDNA190819_F3_543P_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 1282796 ||
## || Successfully assigned alignments : 1103421 (86.0%) ||
## || Running time : 0.03 minutes ||
## ||
## || Process BAM file lane6966_AGGCAGAA_TATCCTCT_cDNA190819_G3_543P_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 3085776 ||
## || Successfully assigned alignments : 2614843 (84.7%) ||
## || Running time : 0.04 minutes ||
## ||
## || Process BAM file lane6966_AGGCAGAA_TCTCTCCG_cDNA190819_A3_543P_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 3828448 ||
## || Successfully assigned alignments : 3222785 (84.2%) ||
## || Running time : 0.05 minutes ||
## ||
## || Process BAM file lane6966_ATCTCAGG_AAGGAGTA_cDNA190819_D12_562K_d42_L0 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 7126624 ||
## || Successfully assigned alignments : 5387315 (75.6%) ||
## || Running time : 0.09 minutes ||
## ||
## || Process BAM file lane6966_ATCTCAGG_ACTGCATA_cDNA190819_E12_562K_d42_L0 ... ||
## || WARNING: Paired-end reads were found. ||

```



```

## || Total alignments : 527122 ||
## || Successfully assigned alignments : 336898 (63.9%) ||
## || Running time : 0.02 minutes ||
## ||
## || Process BAM file lane6966_ATCTCAGG_CGTCTAAT_cDNA190819_B12_562K_d42_L0 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 13041768 ||
## || Successfully assigned alignments : 8472335 (65.0%) ||
## || Running time : 0.15 minutes ||
## ||
## || Process BAM file lane6966_ATCTCAGG_CTAAGCCT_cDNA190819_C12_562K_d42_L0 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 5282794 ||
## || Successfully assigned alignments : 3689489 (69.8%) ||
## || Running time : 0.07 minutes ||
## ||
## || Process BAM file lane6966_ATCTCAGG_CTCTCTAT_cDNA190819_H12_562K_d42_L0 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 7066274 ||
## || Successfully assigned alignments : 5747978 (81.3%) ||
## || Running time : 0.09 minutes ||
## ||
## || Process BAM file lane6966_ATCTCAGG_GTAAGGAG_cDNA190819_F12_562K_d42_L0 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 1126594 ||
## || Successfully assigned alignments : 661406 (58.7%) ||
## || Running time : 0.03 minutes ||
## ||
## || Process BAM file lane6966_ATCTCAGG_TATCCTCT_cDNA190819_G12_562K_d42_L0 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 2723054 ||
## || Successfully assigned alignments : 1969780 (72.3%) ||
## || Running time : 0.04 minutes ||
## ||
## || Process BAM file lane6966_ATCTCAGG_TCTCTCCG_cDNA190819_A12_562K_d42_L0 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 13248952 ||
## || Successfully assigned alignments : 10624978 (80.2%) ||
## || Running time : 0.15 minutes ||
## ||
## || Process BAM file lane6966_CGAGGCTG_AAGGAGTA_cDNA190819_D8_562K_d0_L001 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 2796602 ||
## || Successfully assigned alignments : 2374096 (84.9%) ||
## || Running time : 0.04 minutes ||
## ||
## || Process BAM file lane6966_CGAGGCTG_ACTGCATA_cDNA190819_E8_562K_d0_L001 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 2742592 ||
## || Successfully assigned alignments : 2261577 (82.5%) ||
## || Running time : 0.04 minutes ||
## ||
## || Process BAM file lane6966_CGAGGCTG_CGTCTAAT_cDNA190819_B8_562K_d0_L001 ... ||
## || WARNING: Paired-end reads were found. ||

```

```

## || Total alignments : 415616 ||
## || Successfully assigned alignments : 315783 (76.0%) ||
## || Running time : 0.02 minutes ||
## ||
## || Process BAM file lane6966_CGAGGCTG_CTAAGCCT_cDNA190819_C8_562K_d0_L001 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 4509098 ||
## || Successfully assigned alignments : 3905612 (86.6%) ||
## || Running time : 0.06 minutes ||
## ||
## || Process BAM file lane6966_CGAGGCTG_CTCTCTAT_cDNA190819_H8_562K_d0_L001 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 6203858 ||
## || Successfully assigned alignments : 5229887 (84.3%) ||
## || Running time : 0.09 minutes ||
## ||
## || Process BAM file lane6966_CGAGGCTG_GTAAGGAG_cDNA190819_F8_562K_d0_L001 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 2150394 ||
## || Successfully assigned alignments : 1791257 (83.3%) ||
## || Running time : 0.04 minutes ||
## ||
## || Process BAM file lane6966_CGAGGCTG_TATCCTCT_cDNA190819_G8_562K_d0_L001 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 461870 ||
## || Successfully assigned alignments : 359295 (77.8%) ||
## || Running time : 0.02 minutes ||
## ||
## || Process BAM file lane6966_CGAGGCTG_TCTCTCCG_cDNA190819_A8_562K_d0_L001 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 7867090 ||
## || Successfully assigned alignments : 6409725 (81.5%) ||
## || Running time : 0.09 minutes ||
## ||
## || Process BAM file lane6966_CGTACTAG_AAGGAGTA_cDNA190819_D2_543P_d0_L001 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 3900436 ||
## || Successfully assigned alignments : 3200353 (82.1%) ||
## || Running time : 0.05 minutes ||
## ||
## || Process BAM file lane6966_CGTACTAG_ACTGCATA_cDNA190819_E2_543P_d0_L001 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 1323204 ||
## || Successfully assigned alignments : 1124547 (85.0%) ||
## || Running time : 0.03 minutes ||
## ||
## || Process BAM file lane6966_CGTACTAG_CGTCTAAT_cDNA190819_B2_543P_d0_L001 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 4693622 ||
## || Successfully assigned alignments : 3930176 (83.7%) ||
## || Running time : 0.06 minutes ||
## ||
## || Process BAM file lane6966_CGTACTAG_CTAAGCCT_cDNA190819_C2_543P_d0_L001 ... ||
## || WARNING: Paired-end reads were found. ||

```

```

## || Total alignments : 188 ||
## || Successfully assigned alignments : 171 (91.0%) ||
## || Running time : 0.00 minutes ||
## ||
## || Process BAM file lane6966_CGTACTAG_CTCTCTAT_cDNA190819_H2_543P_d0_L001 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 2560336 ||
## || Successfully assigned alignments : 2208422 (86.3%) ||
## || Running time : 0.04 minutes ||
## ||
## || Process BAM file lane6966_CGTACTAG_GTAAGGAG_cDNA190819_F2_543P_d0_L001 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 2299532 ||
## || Successfully assigned alignments : 1939021 (84.3%) ||
## || Running time : 0.04 minutes ||
## ||
## || Process BAM file lane6966_CGTACTAG_TATCCTCT_cDNA190819_G2_543P_d0_L001 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 1185568 ||
## || Successfully assigned alignments : 1001478 (84.5%) ||
## || Running time : 0.02 minutes ||
## ||
## || Process BAM file lane6966_CGTACTAG_TCTCTCCG_cDNA190819_A2_543P_d0_L001 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 4031806 ||
## || Successfully assigned alignments : 3474755 (86.2%) ||
## || Running time : 0.05 minutes ||
## ||
## || Process BAM file lane6966_CTCTCTAC_AAGGAGTA_cDNA190819_D7_562K_d0_L001 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 2544994 ||
## || Successfully assigned alignments : 2064678 (81.1%) ||
## || Running time : 0.04 minutes ||
## ||
## || Process BAM file lane6966_CTCTCTAC_ACTGCATA_cDNA190819_E7_562K_d0_L001 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 4081902 ||
## || Successfully assigned alignments : 3474655 (85.1%) ||
## || Running time : 0.06 minutes ||
## ||
## || Process BAM file lane6966_CTCTCTAC_CGTCTAAT_cDNA190819_B7_562K_d0_L001 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 8322050 ||
## || Successfully assigned alignments : 7177104 (86.2%) ||
## || Running time : 0.10 minutes ||
## ||
## || Process BAM file lane6966_CTCTCTAC_CTAAGCCT_cDNA190819_C7_562K_d0_L001 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 1501214 ||
## || Successfully assigned alignments : 1263918 (84.2%) ||
## || Running time : 0.03 minutes ||
## ||
## || Process BAM file lane6966_CTCTCTAC_CTCTCTAT_cDNA190819_H7_562K_d0_L001 ... ||
## || WARNING: Paired-end reads were found. ||

```

```

## || Total alignments : 6406936 ||
## || Successfully assigned alignments : 5337810 (83.3%) ||
## || Running time : 0.08 minutes ||
## ||
## || Process BAM file lane6966_CTCTCTAC_GTAAGGAG_cDNA190819_F7_562K_d0_L001 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 2261790 ||
## || Successfully assigned alignments : 1861695 (82.3%) ||
## || Running time : 0.04 minutes ||
## ||
## || Process BAM file lane6966_CTCTCTAC_TATCCTCT_cDNA190819_G7_562K_d0_L001 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 5824752 ||
## || Successfully assigned alignments : 4722875 (81.1%) ||
## || Running time : 0.07 minutes ||
## ||
## || Process BAM file lane6966_CTCTCTAC_TCTCTCCG_cDNA190819_A7_562K_d0_L001 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 897196 ||
## || Successfully assigned alignments : 704059 (78.5%) ||
## || Running time : 0.02 minutes ||
## ||
## || Process BAM file lane6966_GCTCATGA_AAGGAGTA_cDNA190819_D11_562K_d42_L0 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 452 ||
## || Successfully assigned alignments : 170 (37.6%) ||
## || Running time : 0.00 minutes ||
## ||
## || Process BAM file lane6966_GCTCATGA_ACTGCATA_cDNA190819_E11_562K_d42_L0 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 5965078 ||
## || Successfully assigned alignments : 4970070 (83.3%) ||
## || Running time : 0.08 minutes ||
## ||
## || Process BAM file lane6966_GCTCATGA_CGTCTAAT_cDNA190819_B11_562K_d42_L0 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 4870 ||
## || Successfully assigned alignments : 2982 (61.2%) ||
## || Running time : 0.00 minutes ||
## ||
## || Process BAM file lane6966_GCTCATGA_CTAAGCCT_cDNA190819_C11_562K_d42_L0 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 1939154 ||
## || Successfully assigned alignments : 1441394 (74.3%) ||
## || Running time : 0.03 minutes ||
## ||
## || Process BAM file lane6966_GCTCATGA_CTCTCTAT_cDNA190819_H11_562K_d42_L0 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 4992896 ||
## || Successfully assigned alignments : 3675171 (73.6%) ||
## || Running time : 0.07 minutes ||
## ||
## || Process BAM file lane6966_GCTCATGA_GTAAGGAG_cDNA190819_F11_562K_d42_L0 ... ||
## || WARNING: Paired-end reads were found. ||

```

```

## || Total alignments : 13074 ||
## || Successfully assigned alignments : 9451 (72.3%) ||
## || Running time : 0.00 minutes ||
## ||
## || Process BAM file lane6966_GCTCATGA_TATCCTCT_cDNA190819_G11_562K_d42_L0 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 4776856 ||
## || Successfully assigned alignments : 3010654 (63.0%) ||
## || Running time : 0.06 minutes ||
## ||
## || Process BAM file lane6966_GCTCATGA_TCTCTCCG_cDNA190819_A11_562K_d42_L0 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 1572 ||
## || Successfully assigned alignments : 236 (15.0%) ||
## || Running time : 0.00 minutes ||
## ||
## || Process BAM file lane6966_GGACTCCT_AAGGAGTA_cDNA190819_D5_543P_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 1128542 ||
## || Successfully assigned alignments : 862875 (76.5%) ||
## || Running time : 0.03 minutes ||
## ||
## || Process BAM file lane6966_GGACTCCT_ACTGCATA_cDNA190819_E5_543P_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 2785518 ||
## || Successfully assigned alignments : 2374967 (85.3%) ||
## || Running time : 0.04 minutes ||
## ||
## || Process BAM file lane6966_GGACTCCT_CGTCTAAT_cDNA190819_B5_543P_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 3867134 ||
## || Successfully assigned alignments : 3139103 (81.2%) ||
## || Running time : 0.05 minutes ||
## ||
## || Process BAM file lane6966_GGACTCCT_CTAAGCCT_cDNA190819_C5_543P_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 1984166 ||
## || Successfully assigned alignments : 1522395 (76.7%) ||
## || Running time : 0.03 minutes ||
## ||
## || Process BAM file lane6966_GGACTCCT_CTCTCTAT_cDNA190819_H5_543P_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 4427666 ||
## || Successfully assigned alignments : 3818747 (86.2%) ||
## || Running time : 0.07 minutes ||
## ||
## || Process BAM file lane6966_GGACTCCT_GTAAGGAG_cDNA190819_F5_543P_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 2522548 ||
## || Successfully assigned alignments : 2082647 (82.6%) ||
## || Running time : 0.04 minutes ||
## ||
## || Process BAM file lane6966_GGACTCCT_TATCCTCT_cDNA190819_G5_543P_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||

```

```

## || Total alignments : 3937084 ||
## || Successfully assigned alignments : 3345931 (85.0%) ||
## || Running time : 0.05 minutes ||
## ||
## || Process BAM file lane6966_GGACTCCT_TCTCTCCG_cDNA190819_A5_543P_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 5773220 ||
## || Successfully assigned alignments : 4934963 (85.5%) ||
## || Running time : 0.08 minutes ||
## ||
## || Process BAM file lane6966_GTAGAGGA_AAGGAGTA_cDNA190819_D10_562K_d42_L0 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 2250084 ||
## || Successfully assigned alignments : 1614539 (71.8%) ||
## || Running time : 0.04 minutes ||
## ||
## || Process BAM file lane6966_GTAGAGGA_ACTGCATA_cDNA190819_E10_562K_d42_L0 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 237606 ||
## || Successfully assigned alignments : 167558 (70.5%) ||
## || Running time : 0.02 minutes ||
## ||
## || Process BAM file lane6966_GTAGAGGA_CGTCTAAT_cDNA190819_B10_562K_d42_L0 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 946 ||
## || Successfully assigned alignments : 170 (18.0%) ||
## || Running time : 0.00 minutes ||
## ||
## || Process BAM file lane6966_GTAGAGGA_CTAAGCCT_cDNA190819_C10_562K_d42_L0 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 123880 ||
## || Successfully assigned alignments : 94921 (76.6%) ||
## || Running time : 0.01 minutes ||
## ||
## || Process BAM file lane6966_GTAGAGGA_CTCTCTAT_cDNA190819_H10_562K_d42_L0 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 482 ||
## || Successfully assigned alignments : 200 (41.5%) ||
## || Running time : 0.00 minutes ||
## ||
## || Process BAM file lane6966_GTAGAGGA_GTAAGGAG_cDNA190819_F10_562K_d42_L0 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 1018 ||
## || Successfully assigned alignments : 502 (49.3%) ||
## || Running time : 0.00 minutes ||
## ||
## || Process BAM file lane6966_GTAGAGGA_TATCCTCT_cDNA190819_G10_562K_d42_L0 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 1357500 ||
## || Successfully assigned alignments : 840373 (61.9%) ||
## || Running time : 0.03 minutes ||
## ||
## || Process BAM file lane6966_GTAGAGGA_TCTCTCCG_cDNA190819_A10_562K_d42_L0 ... ||
## || WARNING: Paired-end reads were found. ||

```

```

## || Total alignments : 1946 ||
## || Successfully assigned alignments : 689 (35.4%) ||
## || Running time : 0.00 minutes ||
## ||
## || Process BAM file lane6966_TAAGGCGA_AAGGAGTA_cDNA190819_D1_543P_d0_L001 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 1070434 ||
## || Successfully assigned alignments : 902238 (84.3%) ||
## || Running time : 0.03 minutes ||
## ||
## || Process BAM file lane6966_TAAGGCGA_ACTGCATA_cDNA190819_E1_543P_d0_L001 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 717554 ||
## || Successfully assigned alignments : 605230 (84.3%) ||
## || Running time : 0.02 minutes ||
## ||
## || Process BAM file lane6966_TAAGGCGA_CGTCTAAT_cDNA190819_B1_543P_d0_L001 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 4478220 ||
## || Successfully assigned alignments : 3784477 (84.5%) ||
## || Running time : 0.06 minutes ||
## ||
## || Process BAM file lane6966_TAAGGCGA_CTAAGCCT_cDNA190819_C1_543P_d0_L001 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 112 ||
## || Successfully assigned alignments : 90 (80.4%) ||
## || Running time : 0.00 minutes ||
## ||
## || Process BAM file lane6966_TAAGGCGA_CTCTCTAT_cDNA190819_H1_543P_d0_L001 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 1152184 ||
## || Successfully assigned alignments : 983241 (85.3%) ||
## || Running time : 0.03 minutes ||
## ||
## || Process BAM file lane6966_TAAGGCGA_GTAAGGAG_cDNA190819_F1_543P_d0_L001 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 1210696 ||
## || Successfully assigned alignments : 1007860 (83.2%) ||
## || Running time : 0.03 minutes ||
## ||
## || Process BAM file lane6966_TAAGGCGA_TATCCTCT_cDNA190819_G1_543P_d0_L001 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 3265250 ||
## || Successfully assigned alignments : 2584518 (79.2%) ||
## || Running time : 0.05 minutes ||
## ||
## || Process BAM file lane6966_TAAGGCGA_TCTCTCCG_cDNA190819_A1_543P_d0_L001 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 1693202 ||
## || Successfully assigned alignments : 1388889 (82.0%) ||
## || Running time : 0.03 minutes ||
## ||
## || Process BAM file lane6966_TAGGCATG_AAGGAGTA_cDNA190819_D6_543P_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||

```

```

## || Total alignments : 2557378 ||
## || Successfully assigned alignments : 2144442 (83.9%) ||
## || Running time : 0.04 minutes ||
## ||
## || Process BAM file lane6966_TAGGCATG_ACTGCATA_cDNA190819_E6_543P_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 1714008 ||
## || Successfully assigned alignments : 1243927 (72.6%) ||
## || Running time : 0.03 minutes ||
## ||
## || Process BAM file lane6966_TAGGCATG_CGTCTAAT_cDNA190819_B6_543P_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 427622 ||
## || Successfully assigned alignments : 314217 (73.5%) ||
## || Running time : 0.02 minutes ||
## ||
## || Process BAM file lane6966_TAGGCATG_CTAAGCCT_cDNA190819_C6_543P_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 3224824 ||
## || Successfully assigned alignments : 2721910 (84.4%) ||
## || Running time : 0.06 minutes ||
## ||
## || Process BAM file lane6966_TAGGCATG_CTCTCTAT_cDNA190819_H6_543P_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 5548614 ||
## || Successfully assigned alignments : 4458014 (80.3%) ||
## || Running time : 0.07 minutes ||
## ||
## || Process BAM file lane6966_TAGGCATG_GTAAGGAG_cDNA190819_F6_543P_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 2440218 ||
## || Successfully assigned alignments : 2096711 (85.9%) ||
## || Running time : 0.04 minutes ||
## ||
## || Process BAM file lane6966_TAGGCATG_TATCCTCT_cDNA190819_G6_543P_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 1774182 ||
## || Successfully assigned alignments : 1358100 (76.5%) ||
## || Running time : 0.03 minutes ||
## ||
## || Process BAM file lane6966_TAGGCATG_TCTCTCCG_cDNA190819_A6_543P_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 3347280 ||
## || Successfully assigned alignments : 2472963 (73.9%) ||
## || Running time : 0.05 minutes ||
## ||
## || Process BAM file lane6966_TCCTGAGC_AAGGAGTA_cDNA190819_D4_543P_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 622966 ||
## || Successfully assigned alignments : 529661 (85.0%) ||
## || Running time : 0.02 minutes ||
## ||
## || Process BAM file lane6966_TCCTGAGC_ACTGCATA_cDNA190819_E4_543P_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||

```



```

## || Total alignments : 1612262 ||
## || Successfully assigned alignments : 1365763 (84.7%) ||
## || Running time : 0.03 minutes ||
## ||
## || Process BAM file lane6966_TCCTGAGC_CGTCTAAT_cDNA190819_B4_543P_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 5817098 ||
## || Successfully assigned alignments : 4944463 (85.0%) ||
## || Running time : 0.07 minutes ||
## ||
## || Process BAM file lane6966_TCCTGAGC_CTAAGCCT_cDNA190819_C4_543P_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 2525532 ||
## || Successfully assigned alignments : 2019101 (79.9%) ||
## || Running time : 0.04 minutes ||
## ||
## || Process BAM file lane6966_TCCTGAGC_CTCTCTAT_cDNA190819_H4_543P_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 2786818 ||
## || Successfully assigned alignments : 2333517 (83.7%) ||
## || Running time : 0.05 minutes ||
## ||
## || Process BAM file lane6966_TCCTGAGC_GTAAGGAG_cDNA190819_F4_543P_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 1398512 ||
## || Successfully assigned alignments : 1174764 (84.0%) ||
## || Running time : 0.03 minutes ||
## ||
## || Process BAM file lane6966_TCCTGAGC_TATCCTCT_cDNA190819_G4_543P_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 1218644 ||
## || Successfully assigned alignments : 1027568 (84.3%) ||
## || Running time : 0.04 minutes ||
## ||
## || Process BAM file lane6966_TCCTGAGC_TCTCTCCG_cDNA190819_A4_543P_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 4412448 ||
## || Successfully assigned alignments : 3870477 (87.7%) ||
## || Running time : 0.06 minutes ||
## ||
## || Process BAM file lane6967_AAGAGGCA_AAGGAGTA_cDNA190820_D9_559G_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 1491944 ||
## || Successfully assigned alignments : 1046002 (70.1%) ||
## || Running time : 0.03 minutes ||
## ||
## || Process BAM file lane6967_AAGAGGCA_ACTGCATA_cDNA190820_E9_559G_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 2544146 ||
## || Successfully assigned alignments : 1794798 (70.5%) ||
## || Running time : 0.04 minutes ||
## ||
## || Process BAM file lane6967_AAGAGGCA_CGTCTAAT_cDNA190820_B9_559G_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||

```

```

## || Total alignments : 4038234 ||
## || Successfully assigned alignments : 2848769 (70.5%) ||
## || Running time : 0.06 minutes ||
## ||
## || Process BAM file lane6967_AAGAGGCA_CTAAGCCT_cDNA190820_C9_559G_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 2221962 ||
## || Successfully assigned alignments : 1194719 (53.8%) ||
## || Running time : 0.04 minutes ||
## ||
## || Process BAM file lane6967_AAGAGGCA_CTCTCTAT_cDNA190820_H9_559G_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 2324274 ||
## || Successfully assigned alignments : 1647500 (70.9%) ||
## || Running time : 0.04 minutes ||
## ||
## || Process BAM file lane6967_AAGAGGCA_GTAAGGAG_cDNA190820_F9_559G_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 1657530 ||
## || Successfully assigned alignments : 1095381 (66.1%) ||
## || Running time : 0.03 minutes ||
## ||
## || Process BAM file lane6967_AAGAGGCA_TATCCTCT_cDNA190820_G9_559G_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 1733488 ||
## || Successfully assigned alignments : 1225002 (70.7%) ||
## || Running time : 0.03 minutes ||
## ||
## || Process BAM file lane6967_AAGAGGCA_TCTCTCCG_cDNA190820_A9_559G_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 2905854 ||
## || Successfully assigned alignments : 2133320 (73.4%) ||
## || Running time : 0.05 minutes ||
## ||
## || Process BAM file lane6967_AGGCAGAA_AAGGAGTA_cDNA190820_D3_520P_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 1992262 ||
## || Successfully assigned alignments : 1490643 (74.8%) ||
## || Running time : 0.04 minutes ||
## ||
## || Process BAM file lane6967_AGGCAGAA_ACTGCATA_cDNA190820_E3_520P_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 1475016 ||
## || Successfully assigned alignments : 1035737 (70.2%) ||
## || Running time : 0.03 minutes ||
## ||
## || Process BAM file lane6967_AGGCAGAA_CGTCTAAT_cDNA190820_B3_520P_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 2308234 ||
## || Successfully assigned alignments : 1633332 (70.8%) ||
## || Running time : 0.04 minutes ||
## ||
## || Process BAM file lane6967_AGGCAGAA_CTAAGCCT_cDNA190820_C3_520P_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||

```

```

## || Total alignments : 2435754 ||
## || Successfully assigned alignments : 1896421 (77.9%) ||
## || Running time : 0.04 minutes ||
## ||
## || Process BAM file lane6967_AGGCAGAA_CTCTCTAT_cDNA190820_H3_520P_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 1949944 ||
## || Successfully assigned alignments : 1399441 (71.8%) ||
## || Running time : 0.03 minutes ||
## ||
## || Process BAM file lane6967_AGGCAGAA_GTAAGGAG_cDNA190820_F3_520P_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 1659722 ||
## || Successfully assigned alignments : 1244518 (75.0%) ||
## || Running time : 0.03 minutes ||
## ||
## || Process BAM file lane6967_AGGCAGAA_TATCCTCT_cDNA190820_G3_520P_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 1647598 ||
## || Successfully assigned alignments : 1168725 (70.9%) ||
## || Running time : 0.03 minutes ||
## ||
## || Process BAM file lane6967_AGGCAGAA_TCTCTCCG_cDNA190820_A3_520P_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 2702594 ||
## || Successfully assigned alignments : 2134942 (79.0%) ||
## || Running time : 0.06 minutes ||
## ||
## || Process BAM file lane6967_ATCTCAGG_AAGGAGTA_cDNA190820_D12_559G_d42_L0 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 3423228 ||
## || Successfully assigned alignments : 2316174 (67.7%) ||
## || Running time : 0.05 minutes ||
## ||
## || Process BAM file lane6967_ATCTCAGG_ACTGCATA_cDNA190820_E12_559G_d42_L0 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 4089736 ||
## || Successfully assigned alignments : 2837060 (69.4%) ||
## || Running time : 0.06 minutes ||
## ||
## || Process BAM file lane6967_ATCTCAGG_CGTCTAAT_cDNA190820_B12_559G_d42_L0 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 4549206 ||
## || Successfully assigned alignments : 3132887 (68.9%) ||
## || Running time : 0.06 minutes ||
## ||
## || Process BAM file lane6967_ATCTCAGG_CTAAGCCT_cDNA190820_C12_559G_d42_L0 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 4148292 ||
## || Successfully assigned alignments : 2937193 (70.8%) ||
## || Running time : 0.06 minutes ||
## ||
## || Process BAM file lane6967_ATCTCAGG_CTCTCTAT_cDNA190820_H12_559G_d42_L0 ... ||
## || WARNING: Paired-end reads were found. ||

```

```

## || Total alignments : 2514282 ||
## || Successfully assigned alignments : 1876494 (74.6%) ||
## || Running time : 0.04 minutes ||
## ||
## || Process BAM file lane6967_ATCTCAGG_GTAAGGAG_cDNA190820_F12_559G_d42_L0 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 2532220 ||
## || Successfully assigned alignments : 1780346 (70.3%) ||
## || Running time : 0.04 minutes ||
## ||
## || Process BAM file lane6967_ATCTCAGG_TATCCTCT_cDNA190820_G12_559G_d42_L0 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 2564234 ||
## || Successfully assigned alignments : 1592787 (62.1%) ||
## || Running time : 0.04 minutes ||
## ||
## || Process BAM file lane6967_ATCTCAGG_TCTCTCCG_cDNA190820_A12_559G_d42_L0 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 4546102 ||
## || Successfully assigned alignments : 3357958 (73.9%) ||
## || Running time : 0.06 minutes ||
## ||
## || Process BAM file lane6967_CGAGGCTG_AAGGAGTA_cDNA190820_D8_559G_d0_L001 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 2127336 ||
## || Successfully assigned alignments : 1453987 (68.3%) ||
## || Running time : 0.04 minutes ||
## ||
## || Process BAM file lane6967_CGAGGCTG_ACTGCATA_cDNA190820_E8_559G_d0_L001 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 1479448 ||
## || Successfully assigned alignments : 1046340 (70.7%) ||
## || Running time : 0.03 minutes ||
## ||
## || Process BAM file lane6967_CGAGGCTG_CGTCTAAT_cDNA190820_B8_559G_d0_L001 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 2157538 ||
## || Successfully assigned alignments : 1455878 (67.5%) ||
## || Running time : 0.04 minutes ||
## ||
## || Process BAM file lane6967_CGAGGCTG_CTAAGCCT_cDNA190820_C8_559G_d0_L001 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 1791672 ||
## || Successfully assigned alignments : 1268661 (70.8%) ||
## || Running time : 0.03 minutes ||
## ||
## || Process BAM file lane6967_CGAGGCTG_CTCTCTAT_cDNA190820_H8_559G_d0_L001 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 1435100 ||
## || Successfully assigned alignments : 1008710 (70.3%) ||
## || Running time : 0.03 minutes ||
## ||
## || Process BAM file lane6967_CGAGGCTG_GTAAGGAG_cDNA190820_F8_559G_d0_L001 ... ||
## || WARNING: Paired-end reads were found. ||

```

```

## || Total alignments : 1919030 ||
## || Successfully assigned alignments : 1366578 (71.2%) ||
## || Running time : 0.03 minutes ||
## ||
## || Process BAM file lane6967_CGAGGCTG_TATCTCT_cDNA190820_G8_559G_d0_L001 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 1405014 ||
## || Successfully assigned alignments : 1029470 (73.3%) ||
## || Running time : 0.03 minutes ||
## ||
## || Process BAM file lane6967_CGAGGCTG_TCTCTCCG_cDNA190820_A8_559G_d0_L001 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 2250342 ||
## || Successfully assigned alignments : 1617984 (71.9%) ||
## || Running time : 0.04 minutes ||
## ||
## || Process BAM file lane6967_CGTACTAG_AAGGAGTA_cDNA190820_D2_520P_d0_L001 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 1566460 ||
## || Successfully assigned alignments : 1179579 (75.3%) ||
## || Running time : 0.03 minutes ||
## ||
## || Process BAM file lane6967_CGTACTAG_ACTGCATA_cDNA190820_E2_520P_d0_L001 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 1182464 ||
## || Successfully assigned alignments : 757761 (64.1%) ||
## || Running time : 0.03 minutes ||
## ||
## || Process BAM file lane6967_CGTACTAG_CGTCTAAT_cDNA190820_B2_520P_d0_L001 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 2477796 ||
## || Successfully assigned alignments : 1668546 (67.3%) ||
## || Running time : 0.04 minutes ||
## ||
## || Process BAM file lane6967_CGTACTAG_CTAAGCCT_cDNA190820_C2_520P_d0_L001 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 1901034 ||
## || Successfully assigned alignments : 1408242 (74.1%) ||
## || Running time : 0.03 minutes ||
## ||
## || Process BAM file lane6967_CGTACTAG_CTCTCTAT_cDNA190820_H2_520P_d0_L001 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 1238846 ||
## || Successfully assigned alignments : 1075464 (86.8%) ||
## || Running time : 0.03 minutes ||
## ||
## || Process BAM file lane6967_CGTACTAG_GTAAGGAG_cDNA190820_F2_520P_d0_L001 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 743138 ||
## || Successfully assigned alignments : 496497 (66.8%) ||
## || Running time : 0.02 minutes ||
## ||
## || Process BAM file lane6967_CGTACTAG_TATCTCT_cDNA190820_G2_520P_d0_L001 ... ||
## || WARNING: Paired-end reads were found. ||

```

```

## || Total alignments : 984010 ||
## || Successfully assigned alignments : 673500 (68.4%) ||
## || Running time : 0.02 minutes ||
## ||
## || Process BAM file lane6967_CGTACTAG_TCTCTCCG_cDNA190820_A2_520P_d0_L001 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 2479190 ||
## || Successfully assigned alignments : 1987818 (80.2%) ||
## || Running time : 0.04 minutes ||
## ||
## || Process BAM file lane6967_CTCTCTAC_AAGGAGTA_cDNA190820_D7_559G_d0_L001 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 1993312 ||
## || Successfully assigned alignments : 1445356 (72.5%) ||
## || Running time : 0.04 minutes ||
## ||
## || Process BAM file lane6967_CTCTCTAC_ACTGCATA_cDNA190820_E7_559G_d0_L001 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 2174606 ||
## || Successfully assigned alignments : 1615387 (74.3%) ||
## || Running time : 0.04 minutes ||
## ||
## || Process BAM file lane6967_CTCTCTAC_CGTCTAAT_cDNA190820_B7_559G_d0_L001 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 3013870 ||
## || Successfully assigned alignments : 2297163 (76.2%) ||
## || Running time : 0.04 minutes ||
## ||
## || Process BAM file lane6967_CTCTCTAC_CTAAGCCT_cDNA190820_C7_559G_d0_L001 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 2135430 ||
## || Successfully assigned alignments : 1491395 (69.8%) ||
## || Running time : 0.03 minutes ||
## ||
## || Process BAM file lane6967_CTCTCTAC_CTCTCTAT_cDNA190820_H7_559G_d0_L001 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 2145892 ||
## || Successfully assigned alignments : 1556968 (72.6%) ||
## || Running time : 0.03 minutes ||
## ||
## || Process BAM file lane6967_CTCTCTAC_GTAAGGAG_cDNA190820_F7_559G_d0_L001 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 1960624 ||
## || Successfully assigned alignments : 1474218 (75.2%) ||
## || Running time : 0.04 minutes ||
## ||
## || Process BAM file lane6967_CTCTCTAC_TATCCTCT_cDNA190820_G7_559G_d0_L001 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 2800366 ||
## || Successfully assigned alignments : 2163082 (77.2%) ||
## || Running time : 0.05 minutes ||
## ||
## || Process BAM file lane6967_CTCTCTAC_TCTCTCCG_cDNA190820_A7_559G_d0_L001 ... ||
## || WARNING: Paired-end reads were found. ||

```

```

## || Total alignments : 2149884 ||
## || Successfully assigned alignments : 1550968 (72.1%) ||
## || Running time : 0.04 minutes ||
## ||
## || Process BAM file lane6967_GCTCATGA_AAGGAGTA_cDNA190820_D11_559G_d42_L0 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 2717004 ||
## || Successfully assigned alignments : 1674169 (61.6%) ||
## || Running time : 0.04 minutes ||
## ||
## || Process BAM file lane6967_GCTCATGA_ACTGCATA_cDNA190820_E11_559G_d42_L0 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 2323424 ||
## || Successfully assigned alignments : 1691443 (72.8%) ||
## || Running time : 0.04 minutes ||
## ||
## || Process BAM file lane6967_GCTCATGA_CGTCTAAT_cDNA190820_B11_559G_d42_L0 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 4325276 ||
## || Successfully assigned alignments : 2987124 (69.1%) ||
## || Running time : 0.06 minutes ||
## ||
## || Process BAM file lane6967_GCTCATGA_CTAAGCCT_cDNA190820_C11_559G_d42_L0 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 4225724 ||
## || Successfully assigned alignments : 3206888 (75.9%) ||
## || Running time : 0.06 minutes ||
## ||
## || Process BAM file lane6967_GCTCATGA_CTCTCTAT_cDNA190820_H11_559G_d42_L0 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 2421114 ||
## || Successfully assigned alignments : 1636806 (67.6%) ||
## || Running time : 0.04 minutes ||
## ||
## || Process BAM file lane6967_GCTCATGA_GTAAGGAG_cDNA190820_F11_559G_d42_L0 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 2490636 ||
## || Successfully assigned alignments : 1622722 (65.2%) ||
## || Running time : 0.04 minutes ||
## ||
## || Process BAM file lane6967_GCTCATGA_TATCCTCT_cDNA190820_G11_559G_d42_L0 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 1797428 ||
## || Successfully assigned alignments : 1187163 (66.0%) ||
## || Running time : 0.04 minutes ||
## ||
## || Process BAM file lane6967_GCTCATGA_TCTCTCCG_cDNA190820_A11_559G_d42_L0 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 3854740 ||
## || Successfully assigned alignments : 2675700 (69.4%) ||
## || Running time : 0.05 minutes ||
## ||
## || Process BAM file lane6967_GGACTCCT_AAGGAGTA_cDNA190820_D5_520P_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||

```

```

## || Total alignments : 1428480 ||
## || Successfully assigned alignments : 1012628 (70.9%) ||
## || Running time : 0.03 minutes ||
## ||
## || Process BAM file lane6967_GGACTCCT_ACTGCATA_cDNA190820_E5_520P_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 1418926 ||
## || Successfully assigned alignments : 1010121 (71.2%) ||
## || Running time : 0.03 minutes ||
## ||
## || Process BAM file lane6967_GGACTCCT_CGTCTAAT_cDNA190820_B5_520P_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 3526880 ||
## || Successfully assigned alignments : 2763358 (78.4%) ||
## || Running time : 0.05 minutes ||
## ||
## || Process BAM file lane6967_GGACTCCT_CTAAGCCT_cDNA190820_C5_520P_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 1551338 ||
## || Successfully assigned alignments : 1116709 (72.0%) ||
## || Running time : 0.03 minutes ||
## ||
## || Process BAM file lane6967_GGACTCCT_CTCTCTAT_cDNA190820_H5_520P_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 2361252 ||
## || Successfully assigned alignments : 1798269 (76.2%) ||
## || Running time : 0.04 minutes ||
## ||
## || Process BAM file lane6967_GGACTCCT_GTAAGGAG_cDNA190820_F5_520P_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 2064840 ||
## || Successfully assigned alignments : 1549768 (75.1%) ||
## || Running time : 0.04 minutes ||
## ||
## || Process BAM file lane6967_GGACTCCT_TATCCTCT_cDNA190820_G5_520P_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 2409810 ||
## || Successfully assigned alignments : 1773429 (73.6%) ||
## || Running time : 0.04 minutes ||
## ||
## || Process BAM file lane6967_GGACTCCT_TCTCTCCG_cDNA190820_A5_520P_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 2352836 ||
## || Successfully assigned alignments : 2053109 (87.3%) ||
## || Running time : 0.04 minutes ||
## ||
## || Process BAM file lane6967_GTAGAGGA_AAGGAGTA_cDNA190820_D10_559G_d42_L0 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 2739820 ||
## || Successfully assigned alignments : 1765656 (64.4%) ||
## || Running time : 0.04 minutes ||
## ||
## || Process BAM file lane6967_GTAGAGGA_ACTGCATA_cDNA190820_E10_559G_d42_L0 ... ||
## || WARNING: Paired-end reads were found. ||

```



```

## || Total alignments : 1946170 ||
## || Successfully assigned alignments : 1326889 (68.2%) ||
## || Running time : 0.03 minutes ||
## ||
## || Process BAM file lane6967_GTAGAGGA_CGTCTAAT_cDNA190820_B10_559G_d42_L0 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 3616956 ||
## || Successfully assigned alignments : 2499217 (69.1%) ||
## || Running time : 0.05 minutes ||
## ||
## || Process BAM file lane6967_GTAGAGGA_CTAAGCCT_cDNA190820_C10_559G_d42_L0 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 3318756 ||
## || Successfully assigned alignments : 2462900 (74.2%) ||
## || Running time : 0.05 minutes ||
## ||
## || Process BAM file lane6967_GTAGAGGA_CTCTCTAT_cDNA190820_H10_559G_d42_L0 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 2327772 ||
## || Successfully assigned alignments : 1627460 (69.9%) ||
## || Running time : 0.04 minutes ||
## ||
## || Process BAM file lane6967_GTAGAGGA_GTAAGGAG_cDNA190820_F10_559G_d42_L0 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 2390718 ||
## || Successfully assigned alignments : 1764206 (73.8%) ||
## || Running time : 0.04 minutes ||
## ||
## || Process BAM file lane6967_GTAGAGGA_TATCCTCT_cDNA190820_G10_559G_d42_L0 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 1915770 ||
## || Successfully assigned alignments : 1084977 (56.6%) ||
## || Running time : 0.03 minutes ||
## ||
## || Process BAM file lane6967_GTAGAGGA_TCTCTCCG_cDNA190820_A10_559G_d42_L0 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 2963520 ||
## || Successfully assigned alignments : 2042654 (68.9%) ||
## || Running time : 0.04 minutes ||
## ||
## || Process BAM file lane6967_TAAGGCGA_AAGGAGTA_cDNA190820_D1_520P_d0_L001 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 1629364 ||
## || Successfully assigned alignments : 1167061 (71.6%) ||
## || Running time : 0.03 minutes ||
## ||
## || Process BAM file lane6967_TAAGGCGA_ACTGCATA_cDNA190820_E1_520P_d0_L001 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 724416 ||
## || Successfully assigned alignments : 518884 (71.6%) ||
## || Running time : 0.02 minutes ||
## ||
## || Process BAM file lane6967_TAAGGCGA_CGTCTAAT_cDNA190820_B1_520P_d0_L001 ... ||
## || WARNING: Paired-end reads were found. ||

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```

## || Total alignments : 2460848 ||
## || Successfully assigned alignments : 1826867 (74.2%) ||
## || Running time : 0.04 minutes ||
## ||
## || Process BAM file lane6967_TAAGGCGA_CTAAGCCT_cDNA190820_C1_520P_d0_L001 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 1857578 ||
## || Successfully assigned alignments : 1391633 (74.9%) ||
## || Running time : 0.03 minutes ||
## ||
## || Process BAM file lane6967_TAAGGCGA_CTCTCTAT_cDNA190820_H1_520P_d0_L001 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 1159362 ||
## || Successfully assigned alignments : 753825 (65.0%) ||
## || Running time : 0.03 minutes ||
## ||
## || Process BAM file lane6967_TAAGGCGA_GTAAGGAG_cDNA190820_F1_520P_d0_L001 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 559072 ||
## || Successfully assigned alignments : 403092 (72.1%) ||
## || Running time : 0.02 minutes ||
## ||
## || Process BAM file lane6967_TAAGGCGA_TATCCTCT_cDNA190820_G1_520P_d0_L001 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 644638 ||
## || Successfully assigned alignments : 438459 (68.0%) ||
## || Running time : 0.02 minutes ||
## ||
## || Process BAM file lane6967_TAAGGCGA_TCTCTCCG_cDNA190820_A1_520P_d0_L001 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 2033406 ||
## || Successfully assigned alignments : 1577331 (77.6%) ||
## || Running time : 0.04 minutes ||
## ||
## || Process BAM file lane6967_TAGGCATG_AAGGAGTA_cDNA190820_D6_520P_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 1873312 ||
## || Successfully assigned alignments : 1364981 (72.9%) ||
## || Running time : 0.04 minutes ||
## ||
## || Process BAM file lane6967_TAGGCATG_ACTGCATA_cDNA190820_E6_520P_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 1576964 ||
## || Successfully assigned alignments : 1140040 (72.3%) ||
## || Running time : 0.03 minutes ||
## ||
## || Process BAM file lane6967_TAGGCATG_CGTCTAAT_cDNA190820_B6_520P_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 3764088 ||
## || Successfully assigned alignments : 2661646 (70.7%) ||
## || Running time : 0.06 minutes ||
## ||
## || Process BAM file lane6967_TAGGCATG_CTAAGCCT_cDNA190820_C6_520P_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||

```

```

## || Total alignments : 2317714 ||
## || Successfully assigned alignments : 1641632 (70.8%) ||
## || Running time : 0.04 minutes ||
## ||
## || Process BAM file lane6967_TAGGCATG_CTCTCTAT_cDNA190820_H6_520P_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 3389066 ||
## || Successfully assigned alignments : 2701480 (79.7%) ||
## || Running time : 0.05 minutes ||
## ||
## || Process BAM file lane6967_TAGGCATG_GTAAGGAG_cDNA190820_F6_520P_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 2270382 ||
## || Successfully assigned alignments : 1729869 (76.2%) ||
## || Running time : 0.03 minutes ||
## ||
## || Process BAM file lane6967_TAGGCATG_TATCCTCT_cDNA190820_G6_520P_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 1370032 ||
## || Successfully assigned alignments : 885103 (64.6%) ||
## || Running time : 0.03 minutes ||
## ||
## || Process BAM file lane6967_TAGGCATG_TCTCTCCG_cDNA190820_A6_520P_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 2770626 ||
## || Successfully assigned alignments : 2173087 (78.4%) ||
## || Running time : 0.05 minutes ||
## ||
## || Process BAM file lane6967_TCCTGAGC_AAGGAGTA_cDNA190820_D4_520P_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 816888 ||
## || Successfully assigned alignments : 613839 (75.1%) ||
## || Running time : 0.03 minutes ||
## ||
## || Process BAM file lane6967_TCCTGAGC_ACTGCATA_cDNA190820_E4_520P_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 2072986 ||
## || Successfully assigned alignments : 1583995 (76.4%) ||
## || Running time : 0.04 minutes ||
## ||
## || Process BAM file lane6967_TCCTGAGC_CGTCTAAT_cDNA190820_B4_520P_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 2165566 ||
## || Successfully assigned alignments : 1575451 (72.8%) ||
## || Running time : 0.03 minutes ||
## ||
## || Process BAM file lane6967_TCCTGAGC_CTAAGCCT_cDNA190820_C4_520P_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 1777232 ||
## || Successfully assigned alignments : 1311229 (73.8%) ||
## || Running time : 0.03 minutes ||
## ||
## || Process BAM file lane6967_TCCTGAGC_CTCTCTAT_cDNA190820_H4_520P_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||

```

```

## || Total alignments : 2165374 ||
## || Successfully assigned alignments : 1664698 (76.9%) ||
## || Running time : 0.03 minutes ||
## ||
## || Process BAM file lane6967_TCCTGAGC_GTAAGGAG_cDNA190820_F4_520P_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 832828 ||
## || Successfully assigned alignments : 606712 (72.8%) ||
## || Running time : 0.02 minutes ||
## ||
## || Process BAM file lane6967_TCCTGAGC_TATCCTCT_cDNA190820_G4_520P_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 1776004 ||
## || Successfully assigned alignments : 1265972 (71.3%) ||
## || Running time : 0.03 minutes ||
## ||
## || Process BAM file lane6967_TCCTGAGC_TCTCTCCG_cDNA190820_A4_520P_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 3381734 ||
## || Successfully assigned alignments : 2598928 (76.9%) ||
## || Running time : 0.05 minutes ||
## ||
## || Process BAM file lane6976_AAGAGGCA_AAGGAGTA_cDNA190821_D9_622A_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 1128070 ||
## || Successfully assigned alignments : 870729 (77.2%) ||
## || Running time : 0.03 minutes ||
## ||
## || Process BAM file lane6976_AAGAGGCA_ACTGCATA_cDNA190821_E9_622A_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 1607772 ||
## || Successfully assigned alignments : 1056338 (65.7%) ||
## || Running time : 0.03 minutes ||
## ||
## || Process BAM file lane6976_AAGAGGCA_CGTCTAAT_cDNA190821_B9_622A_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 1189534 ||
## || Successfully assigned alignments : 846731 (71.2%) ||
## || Running time : 0.03 minutes ||
## ||
## || Process BAM file lane6976_AAGAGGCA_CTAAGCCT_cDNA190821_C9_622A_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 1434980 ||
## || Successfully assigned alignments : 930842 (64.9%) ||
## || Running time : 0.03 minutes ||
## ||
## || Process BAM file lane6976_AAGAGGCA_CTCTCTAT_cDNA190821_H9_622A_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 2195444 ||
## || Successfully assigned alignments : 1615817 (73.6%) ||
## || Running time : 0.03 minutes ||
## ||
## || Process BAM file lane6976_AAGAGGCA_GTAAGGAG_cDNA190821_F9_622A_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||

```

```

## || Total alignments : 2859776 ||
## || Successfully assigned alignments : 2227066 (77.9%) ||
## || Running time : 0.05 minutes ||
## ||
## || Process BAM file lane6976_AAGAGGCA_TATCTCT_cDNA190821_G9_622A_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 3219224 ||
## || Successfully assigned alignments : 2580322 (80.2%) ||
## || Running time : 0.05 minutes ||
## ||
## || Process BAM file lane6976_AAGAGGCA_TCTCTCCG_cDNA190821_A9_622A_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 2032442 ||
## || Successfully assigned alignments : 1445024 (71.1%) ||
## || Running time : 0.04 minutes ||
## ||
## || Process BAM file lane6976_AGGCAGAA_AAGGAGTA_cDNA190821_D3_544Q_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 1693160 ||
## || Successfully assigned alignments : 1151913 (68.0%) ||
## || Running time : 0.04 minutes ||
## ||
## || Process BAM file lane6976_AGGCAGAA_ACTGCATA_cDNA190821_E3_544Q_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 1489010 ||
## || Successfully assigned alignments : 1127067 (75.7%) ||
## || Running time : 0.03 minutes ||
## ||
## || Process BAM file lane6976_AGGCAGAA_CGTCTAAT_cDNA190821_B3_544Q_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 3352052 ||
## || Successfully assigned alignments : 2320459 (69.2%) ||
## || Running time : 0.05 minutes ||
## ||
## || Process BAM file lane6976_AGGCAGAA_CTAAGCCT_cDNA190821_C3_544Q_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 1523256 ||
## || Successfully assigned alignments : 1118179 (73.4%) ||
## || Running time : 0.03 minutes ||
## ||
## || Process BAM file lane6976_AGGCAGAA_CTCTCTAT_cDNA190821_H3_544Q_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 2089422 ||
## || Successfully assigned alignments : 1526589 (73.1%) ||
## || Running time : 0.04 minutes ||
## ||
## || Process BAM file lane6976_AGGCAGAA_GTAAGGAG_cDNA190821_F3_544Q_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 1049520 ||
## || Successfully assigned alignments : 753233 (71.8%) ||
## || Running time : 0.03 minutes ||
## ||
## || Process BAM file lane6976_AGGCAGAA_TATCTCT_cDNA190821_G3_544Q_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||

```

```

## || Total alignments : 2006658 ||
## || Successfully assigned alignments : 396793 (19.8%) ||
## || Running time : 0.03 minutes ||
## ||
## || Process BAM file lane6976_AGGCAGAA_TCTCTCCG_cDNA190821_A3_544Q_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 2054996 ||
## || Successfully assigned alignments : 1529763 (74.4%) ||
## || Running time : 0.03 minutes ||
## ||
## || Process BAM file lane6976_ATCTCAGG_AAGGAGTA_cDNA190821_D12_622A_d42_L0 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 6267518 ||
## || Successfully assigned alignments : 4683790 (74.7%) ||
## || Running time : 0.08 minutes ||
## ||
## || Process BAM file lane6976_ATCTCAGG_ACTGCATA_cDNA190821_E12_622A_d42_L0 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 4013814 ||
## || Successfully assigned alignments : 3006982 (74.9%) ||
## || Running time : 0.06 minutes ||
## ||
## || Process BAM file lane6976_ATCTCAGG_CGTCTAAT_cDNA190821_B12_622A_d42_L0 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 4348996 ||
## || Successfully assigned alignments : 2873726 (66.1%) ||
## || Running time : 0.06 minutes ||
## ||
## || Process BAM file lane6976_ATCTCAGG_CTAAGCCT_cDNA190821_C12_622A_d42_L0 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 5173396 ||
## || Successfully assigned alignments : 3934053 (76.0%) ||
## || Running time : 0.07 minutes ||
## ||
## || Process BAM file lane6976_ATCTCAGG_CTCTCTAT_cDNA190821_H12_622A_d42_L0 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 2500482 ||
## || Successfully assigned alignments : 1931347 (77.2%) ||
## || Running time : 0.04 minutes ||
## ||
## || Process BAM file lane6976_ATCTCAGG_GTAAGGAG_cDNA190821_F12_622A_d42_L0 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 4543186 ||
## || Successfully assigned alignments : 3631043 (79.9%) ||
## || Running time : 0.07 minutes ||
## ||
## || Process BAM file lane6976_ATCTCAGG_TATCCTCT_cDNA190821_G12_622A_d42_L0 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 5445466 ||
## || Successfully assigned alignments : 3833940 (70.4%) ||
## || Running time : 0.07 minutes ||
## ||
## || Process BAM file lane6976_ATCTCAGG_TCTCTCCG_cDNA190821_A12_622A_d42_L0 ... ||
## || WARNING: Paired-end reads were found. ||

```

```

## || Total alignments : 2655606 ||
## || Successfully assigned alignments : 2110280 (79.5%) ||
## || Running time : 0.04 minutes ||
## ||
## || Process BAM file lane6976_CGAGGCTG_AAGGAGTA_cDNA190821_D8_622A_d0_L001 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 1920744 ||
## || Successfully assigned alignments : 1326291 (69.1%) ||
## || Running time : 0.03 minutes ||
## ||
## || Process BAM file lane6976_CGAGGCTG_ACTGCATA_cDNA190821_E8_622A_d0_L001 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 1873914 ||
## || Successfully assigned alignments : 1297219 (69.2%) ||
## || Running time : 0.04 minutes ||
## ||
## || Process BAM file lane6976_CGAGGCTG_CGTCTAAT_cDNA190821_B8_622A_d0_L001 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 1225988 ||
## || Successfully assigned alignments : 879185 (71.7%) ||
## || Running time : 0.03 minutes ||
## ||
## || Process BAM file lane6976_CGAGGCTG_CTAAGCCT_cDNA190821_C8_622A_d0_L001 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 2067304 ||
## || Successfully assigned alignments : 1660971 (80.3%) ||
## || Running time : 0.03 minutes ||
## ||
## || Process BAM file lane6976_CGAGGCTG_CTCTCTAT_cDNA190821_H8_622A_d0_L001 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 1156818 ||
## || Successfully assigned alignments : 905165 (78.2%) ||
## || Running time : 0.03 minutes ||
## ||
## || Process BAM file lane6976_CGAGGCTG_GTAAGGAG_cDNA190821_F8_622A_d0_L001 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 768980 ||
## || Successfully assigned alignments : 558217 (72.6%) ||
## || Running time : 0.02 minutes ||
## ||
## || Process BAM file lane6976_CGAGGCTG_TATCCTCT_cDNA190821_G8_622A_d0_L001 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 1932508 ||
## || Successfully assigned alignments : 1540263 (79.7%) ||
## || Running time : 0.03 minutes ||
## ||
## || Process BAM file lane6976_CGAGGCTG_TCTCTCCG_cDNA190821_A8_622A_d0_L001 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 1225066 ||
## || Successfully assigned alignments : 913564 (74.6%) ||
## || Running time : 0.03 minutes ||
## ||
## || Process BAM file lane6976_CGTACTAG_AAGGAGTA_cDNA190821_D2_544Q_d0_L001 ... ||
## || WARNING: Paired-end reads were found. ||

```

```

## || Total alignments : 1885548 ||
## || Successfully assigned alignments : 1296752 (68.8%) ||
## || Running time : 0.04 minutes ||
## ||
## || Process BAM file lane6976_CGTACTAG_ACTGCATA_cDNA190821_E2_544Q_d0_L001 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 862772 ||
## || Successfully assigned alignments : 719690 (83.4%) ||
## || Running time : 0.02 minutes ||
## ||
## || Process BAM file lane6976_CGTACTAG_CGTCTAAT_cDNA190821_B2_544Q_d0_L001 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 3291016 ||
## || Successfully assigned alignments : 2160788 (65.7%) ||
## || Running time : 0.05 minutes ||
## ||
## || Process BAM file lane6976_CGTACTAG_CTAAGCCT_cDNA190821_C2_544Q_d0_L001 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 2532192 ||
## || Successfully assigned alignments : 1857096 (73.3%) ||
## || Running time : 0.04 minutes ||
## ||
## || Process BAM file lane6976_CGTACTAG_CTCTCTAT_cDNA190821_H2_544Q_d0_L001 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 2650426 ||
## || Successfully assigned alignments : 1828603 (69.0%) ||
## || Running time : 0.04 minutes ||
## ||
## || Process BAM file lane6976_CGTACTAG_GTAAGGAG_cDNA190821_F2_544Q_d0_L001 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 1922 ||
## || Successfully assigned alignments : 1430 (74.4%) ||
## || Running time : 0.00 minutes ||
## ||
## || Process BAM file lane6976_CGTACTAG_TATCCTCT_cDNA190821_G2_544Q_d0_L001 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 1498528 ||
## || Successfully assigned alignments : 1007699 (67.2%) ||
## || Running time : 0.03 minutes ||
## ||
## || Process BAM file lane6976_CGTACTAG_TCTCTCCG_cDNA190821_A2_544Q_d0_L001 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 2239452 ||
## || Successfully assigned alignments : 1609492 (71.9%) ||
## || Running time : 0.04 minutes ||
## ||
## || Process BAM file lane6976_CTCTCTAC_AAGGAGTA_cDNA190821_D7_622A_d0_L001 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 1315498 ||
## || Successfully assigned alignments : 928356 (70.6%) ||
## || Running time : 0.03 minutes ||
## ||
## || Process BAM file lane6976_CTCTCTAC_ACTGCATA_cDNA190821_E7_622A_d0_L001 ... ||
## || WARNING: Paired-end reads were found. ||

```



```

## || Total alignments : 1474302 ||
## || Successfully assigned alignments : 1005747 (68.2%) ||
## || Running time : 0.03 minutes ||
## ||
## || Process BAM file lane6976_CTCTCTAC_CGTCTAAT_cDNA190821_B7_622A_d0_L001 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 2541120 ||
## || Successfully assigned alignments : 1750207 (68.9%) ||
## || Running time : 0.04 minutes ||
## ||
## || Process BAM file lane6976_CTCTCTAC_CTAAGCCT_cDNA190821_C7_622A_d0_L001 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 2549282 ||
## || Successfully assigned alignments : 2050772 (80.4%) ||
## || Running time : 0.04 minutes ||
## ||
## || Process BAM file lane6976_CTCTCTAC_CTCTCTAT_cDNA190821_H7_622A_d0_L001 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 2485744 ||
## || Successfully assigned alignments : 1880795 (75.7%) ||
## || Running time : 0.04 minutes ||
## ||
## || Process BAM file lane6976_CTCTCTAC_GTAAGGAG_cDNA190821_F7_622A_d0_L001 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 2061306 ||
## || Successfully assigned alignments : 1601013 (77.7%) ||
## || Running time : 0.03 minutes ||
## ||
## || Process BAM file lane6976_CTCTCTAC_TATCCTCT_cDNA190821_G7_622A_d0_L001 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 2606450 ||
## || Successfully assigned alignments : 1863798 (71.5%) ||
## || Running time : 0.04 minutes ||
## ||
## || Process BAM file lane6976_CTCTCTAC_TCTCTCCG_cDNA190821_A7_622A_d0_L001 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 2491580 ||
## || Successfully assigned alignments : 1864364 (74.8%) ||
## || Running time : 0.04 minutes ||
## ||
## || Process BAM file lane6976_GCTCATGA_AAGGAGTA_cDNA190821_D11_622A_d42_L0 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 92 ||
## || Successfully assigned alignments : 9 (9.8%) ||
## || Running time : 0.00 minutes ||
## ||
## || Process BAM file lane6976_GCTCATGA_ACTGCATA_cDNA190821_E11_622A_d42_L0 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 82 ||
## || Successfully assigned alignments : 9 (11.0%) ||
## || Running time : 0.00 minutes ||
## ||
## || Process BAM file lane6976_GCTCATGA_CGTCTAAT_cDNA190821_B11_622A_d42_L0 ... ||
## || WARNING: Paired-end reads were found. ||

```

```

## || Total alignments : 5438720 ||
## || Successfully assigned alignments : 3899964 (71.7%) ||
## || Running time : 0.07 minutes ||
## ||
## || Process BAM file lane6976_GCTCATGA_CTAAGCCT_cDNA190821_C11_622A_d42_L0 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 5394992 ||
## || Successfully assigned alignments : 4062273 (75.3%) ||
## || Running time : 0.07 minutes ||
## ||
## || Process BAM file lane6976_GCTCATGA_CTCTCTAT_cDNA190821_H11_622A_d42_L0 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 3024128 ||
## || Successfully assigned alignments : 1799779 (59.5%) ||
## || Running time : 0.04 minutes ||
## ||
## || Process BAM file lane6976_GCTCATGA_GTAAGGAG_cDNA190821_F11_622A_d42_L0 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 38 ||
## || Successfully assigned alignments : 10 (26.3%) ||
## || Running time : 0.00 minutes ||
## ||
## || Process BAM file lane6976_GCTCATGA_TATCCTCT_cDNA190821_G11_622A_d42_L0 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 4317102 ||
## || Successfully assigned alignments : 3244322 (75.2%) ||
## || Running time : 0.06 minutes ||
## ||
## || Process BAM file lane6976_GCTCATGA_TCTCTCCG_cDNA190821_A11_622A_d42_L0 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 4249850 ||
## || Successfully assigned alignments : 3186648 (75.0%) ||
## || Running time : 0.06 minutes ||
## ||
## || Process BAM file lane6976_GGACTCCT_AAGGAGTA_cDNA190821_D5_544Q_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 2312646 ||
## || Successfully assigned alignments : 1767750 (76.4%) ||
## || Running time : 0.04 minutes ||
## ||
## || Process BAM file lane6976_GGACTCCT_ACTGCATA_cDNA190821_E5_544Q_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 1333642 ||
## || Successfully assigned alignments : 906086 (67.9%) ||
## || Running time : 0.03 minutes ||
## ||
## || Process BAM file lane6976_GGACTCCT_CGTCTAAT_cDNA190821_B5_544Q_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 1703554 ||
## || Successfully assigned alignments : 1083358 (63.6%) ||
## || Running time : 0.04 minutes ||
## ||
## || Process BAM file lane6976_GGACTCCT_CTAAGCCT_cDNA190821_C5_544Q_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||

```

```

## || Total alignments : 1775946 ||
## || Successfully assigned alignments : 1392597 (78.4%) ||
## || Running time : 0.03 minutes ||
## ||
## || Process BAM file lane6976_GGACTCCT_CTCTCTAT_cDNA190821_H5_544Q_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 2501712 ||
## || Successfully assigned alignments : 1916922 (76.6%) ||
## || Running time : 0.04 minutes ||
## ||
## || Process BAM file lane6976_GGACTCCT_GTAAGGAG_cDNA190821_F5_544Q_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 1016100 ||
## || Successfully assigned alignments : 753270 (74.1%) ||
## || Running time : 0.03 minutes ||
## ||
## || Process BAM file lane6976_GGACTCCT_TATCCTCT_cDNA190821_G5_544Q_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 2240082 ||
## || Successfully assigned alignments : 1868318 (83.4%) ||
## || Running time : 0.04 minutes ||
## ||
## || Process BAM file lane6976_GGACTCCT_TCTCTCCG_cDNA190821_A5_544Q_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 2225954 ||
## || Successfully assigned alignments : 1673739 (75.2%) ||
## || Running time : 0.04 minutes ||
## ||
## || Process BAM file lane6976_GTAGAGGA_AAGGAGTA_cDNA190821_D10_622A_d42_L0 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 2347636 ||
## || Successfully assigned alignments : 1752998 (74.7%) ||
## || Running time : 0.04 minutes ||
## ||
## || Process BAM file lane6976_GTAGAGGA_ACTGCATA_cDNA190821_E10_622A_d42_L0 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 1626472 ||
## || Successfully assigned alignments : 1268104 (78.0%) ||
## || Running time : 0.03 minutes ||
## ||
## || Process BAM file lane6976_GTAGAGGA_CGTCTAAT_cDNA190821_B10_622A_d42_L0 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 4267666 ||
## || Successfully assigned alignments : 3237954 (75.9%) ||
## || Running time : 0.06 minutes ||
## ||
## || Process BAM file lane6976_GTAGAGGA_CTAAGCCT_cDNA190821_C10_622A_d42_L0 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 2349858 ||
## || Successfully assigned alignments : 1826782 (77.7%) ||
## || Running time : 0.04 minutes ||
## ||
## || Process BAM file lane6976_GTAGAGGA_CTCTCTAT_cDNA190821_H10_622A_d42_L0 ... ||
## || WARNING: Paired-end reads were found. ||

```

```

## || Total alignments : 3715058 ||
## || Successfully assigned alignments : 2701609 (72.7%) ||
## || Running time : 0.05 minutes ||
## ||
## || Process BAM file lane6976_GTAGAGGA_GTAAGGAG_cDNA190821_F10_622A_d42_L0 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 344806 ||
## || Successfully assigned alignments : 264442 (76.7%) ||
## || Running time : 0.02 minutes ||
## ||
## || Process BAM file lane6976_GTAGAGGA_TATCCTCT_cDNA190821_G10_622A_d42_L0 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 4179940 ||
## || Successfully assigned alignments : 3160345 (75.6%) ||
## || Running time : 0.06 minutes ||
## ||
## || Process BAM file lane6976_GTAGAGGA_TCTCTCCG_cDNA190821_A10_622A_d42_L0 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 2961346 ||
## || Successfully assigned alignments : 2272474 (76.7%) ||
## || Running time : 0.05 minutes ||
## ||
## || Process BAM file lane6976_TAAGGCGA_AAGGAGTA_cDNA190821_D1_544Q_d0_L001 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 2687990 ||
## || Successfully assigned alignments : 1843691 (68.6%) ||
## || Running time : 0.04 minutes ||
## ||
## || Process BAM file lane6976_TAAGGCGA_ACTGCATA_cDNA190821_E1_544Q_d0_L001 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 2068502 ||
## || Successfully assigned alignments : 1649659 (79.8%) ||
## || Running time : 0.03 minutes ||
## ||
## || Process BAM file lane6976_TAAGGCGA_CGTCTAAT_cDNA190821_B1_544Q_d0_L001 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 2392080 ||
## || Successfully assigned alignments : 1662298 (69.5%) ||
## || Running time : 0.04 minutes ||
## ||
## || Process BAM file lane6976_TAAGGCGA_CTAAGCCT_cDNA190821_C1_544Q_d0_L001 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 2361792 ||
## || Successfully assigned alignments : 1780314 (75.4%) ||
## || Running time : 0.04 minutes ||
## ||
## || Process BAM file lane6976_TAAGGCGA_CTCTCTAT_cDNA190821_H1_544Q_d0_L001 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 2249664 ||
## || Successfully assigned alignments : 1858090 (82.6%) ||
## || Running time : 0.04 minutes ||
## ||
## || Process BAM file lane6976_TAAGGCGA_GTAAGGAG_cDNA190821_F1_544Q_d0_L001 ... ||
## || WARNING: Paired-end reads were found. ||

```

```

## || Total alignments : 20404 ||
## || Successfully assigned alignments : 16301 (79.9%) ||
## || Running time : 0.00 minutes ||
## ||
## || Process BAM file lane6976_TAAGGCGA_TATCTCT_cDNA190821_G1_544Q_d0_L001 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 3001130 ||
## || Successfully assigned alignments : 2240975 (74.7%) ||
## || Running time : 0.05 minutes ||
## ||
## || Process BAM file lane6976_TAAGGCGA_TCTCTCCG_cDNA190821_A1_544Q_d0_L001 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 1822020 ||
## || Successfully assigned alignments : 1309182 (71.9%) ||
## || Running time : 0.03 minutes ||
## ||
## || Process BAM file lane6976_TAGGCATG_AAGGAGTA_cDNA190821_D6_544Q_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 600446 ||
## || Successfully assigned alignments : 480788 (80.1%) ||
## || Running time : 0.02 minutes ||
## ||
## || Process BAM file lane6976_TAGGCATG_ACTGCATA_cDNA190821_E6_544Q_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 1815490 ||
## || Successfully assigned alignments : 1363722 (75.1%) ||
## || Running time : 0.03 minutes ||
## ||
## || Process BAM file lane6976_TAGGCATG_CGTCTAAT_cDNA190821_B6_544Q_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 3170258 ||
## || Successfully assigned alignments : 2327563 (73.4%) ||
## || Running time : 0.05 minutes ||
## ||
## || Process BAM file lane6976_TAGGCATG_CTAAGCCT_cDNA190821_C6_544Q_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 2657268 ||
## || Successfully assigned alignments : 1923344 (72.4%) ||
## || Running time : 0.04 minutes ||
## ||
## || Process BAM file lane6976_TAGGCATG_CTCTCTAT_cDNA190821_H6_544Q_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 2743404 ||
## || Successfully assigned alignments : 2051099 (74.8%) ||
## || Running time : 0.04 minutes ||
## ||
## || Process BAM file lane6976_TAGGCATG_GTAAGGAG_cDNA190821_F6_544Q_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 1267604 ||
## || Successfully assigned alignments : 864580 (68.2%) ||
## || Running time : 0.02 minutes ||
## ||
## || Process BAM file lane6976_TAGGCATG_TATCTCT_cDNA190821_G6_544Q_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||

```

```

## || Total alignments : 2318502 ||
## || Successfully assigned alignments : 1728641 (74.6%) ||
## || Running time : 0.03 minutes ||
## ||
## || Process BAM file lane6976_TAGGCATG_TCTCTCCG_cDNA190821_A6_544Q_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 3323050 ||
## || Successfully assigned alignments : 2427967 (73.1%) ||
## || Running time : 0.05 minutes ||
## ||
## || Process BAM file lane6976_TCCTGAGC_AAGGAGTA_cDNA190821_D4_544Q_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 725098 ||
## || Successfully assigned alignments : 526732 (72.6%) ||
## || Running time : 0.02 minutes ||
## ||
## || Process BAM file lane6976_TCCTGAGC_ACTGCATA_cDNA190821_E4_544Q_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 1301720 ||
## || Successfully assigned alignments : 908205 (69.8%) ||
## || Running time : 0.03 minutes ||
## ||
## || Process BAM file lane6976_TCCTGAGC_CGTCTAAT_cDNA190821_B4_544Q_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 2549266 ||
## || Successfully assigned alignments : 1742087 (68.3%) ||
## || Running time : 0.04 minutes ||
## ||
## || Process BAM file lane6976_TCCTGAGC_CTAAGCCT_cDNA190821_C4_544Q_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 1711064 ||
## || Successfully assigned alignments : 1377495 (80.5%) ||
## || Running time : 0.03 minutes ||
## ||
## || Process BAM file lane6976_TCCTGAGC_CTCTCTAT_cDNA190821_H4_544Q_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 2119150 ||
## || Successfully assigned alignments : 1464200 (69.1%) ||
## || Running time : 0.03 minutes ||
## ||
## || Process BAM file lane6976_TCCTGAGC_GTAAGGAG_cDNA190821_F4_544Q_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 950546 ||
## || Successfully assigned alignments : 708233 (74.5%) ||
## || Running time : 0.02 minutes ||
## ||
## || Process BAM file lane6976_TCCTGAGC_TATCCTCT_cDNA190821_G4_544Q_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 2484738 ||
## || Successfully assigned alignments : 1944629 (78.3%) ||
## || Running time : 0.04 minutes ||
## ||
## || Process BAM file lane6976_TCCTGAGC_TCTCTCCG_cDNA190821_A4_544Q_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||

```

```

## || Total alignments : 2908100 ||
## || Successfully assigned alignments : 2154394 (74.1%) ||
## || Running time : 0.05 minutes ||
## ||
## || Process BAM file lane7055_AAGAGGCA_AAGGAGTA_lib190910_D9_526W_d42_L001 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 12718 ||
## || Successfully assigned alignments : 9753 (76.7%) ||
## || Running time : 0.00 minutes ||
## ||
## || Process BAM file lane7055_AAGAGGCA_ACTGCATA_lib190910_E9_526W_d42_L001 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 3451166 ||
## || Successfully assigned alignments : 2953225 (85.6%) ||
## || Running time : 0.05 minutes ||
## ||
## || Process BAM file lane7055_AAGAGGCA_CGTCTAAT_lib190910_B9_526W_d42_L001 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 619500 ||
## || Successfully assigned alignments : 426770 (68.9%) ||
## || Running time : 0.02 minutes ||
## ||
## || Process BAM file lane7055_AAGAGGCA_CTAAGCCT_lib190910_C9_526W_d42_L001 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 2044802 ||
## || Successfully assigned alignments : 1419640 (69.4%) ||
## || Running time : 0.04 minutes ||
## ||
## || Process BAM file lane7055_AAGAGGCA_CTCTCTAT_lib190910_H9_526W_d42_L001 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 2720958 ||
## || Successfully assigned alignments : 1993584 (73.3%) ||
## || Running time : 0.04 minutes ||
## ||
## || Process BAM file lane7055_AAGAGGCA_GTAAGGAG_lib190910_F9_526W_d42_L001 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 3295962 ||
## || Successfully assigned alignments : 2751518 (83.5%) ||
## || Running time : 0.05 minutes ||
## ||
## || Process BAM file lane7055_AAGAGGCA_TATCCTCT_lib190910_G9_526W_d42_L001 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 813882 ||
## || Successfully assigned alignments : 587004 (72.1%) ||
## || Running time : 0.02 minutes ||
## ||
## || Process BAM file lane7055_AAGAGGCA_TCTCTCCG_lib190910_A9_526W_d42_L001 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 4 ||
## || Successfully assigned alignments : 3 (75.0%) ||
## || Running time : 0.00 minutes ||
## ||
## || Process BAM file lane7055_AAGCAGAA_AAGGAGTA_lib190910_D3_501T_d42_L001 ... ||
## || WARNING: Paired-end reads were found. ||

```

```

## || Total alignments : 852094 ||
## || Successfully assigned alignments : 703359 (82.5%) ||
## || Running time : 0.02 minutes ||
## ||
## || Process BAM file lane7055_AGGCAGAA_ACTGCATA_lib190910_E3_501T_d42_L001 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 1472358 ||
## || Successfully assigned alignments : 1263411 (85.8%) ||
## || Running time : 0.03 minutes ||
## ||
## || Process BAM file lane7055_AGGCAGAA_CGTCTAAT_lib190910_B3_501T_d42_L001 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 3277794 ||
## || Successfully assigned alignments : 2675202 (81.6%) ||
## || Running time : 0.04 minutes ||
## ||
## || Process BAM file lane7055_AGGCAGAA_CTAAGCCT_lib190910_C3_501T_d42_L001 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 3124118 ||
## || Successfully assigned alignments : 2590595 (82.9%) ||
## || Running time : 0.05 minutes ||
## ||
## || Process BAM file lane7055_AGGCAGAA_CTCTCTAT_lib190910_H3_501T_d42_L001 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 57390 ||
## || Successfully assigned alignments : 44152 (76.9%) ||
## || Running time : 0.00 minutes ||
## ||
## || Process BAM file lane7055_AGGCAGAA_GTAAGGAG_lib190910_F3_501T_d42_L001 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 679892 ||
## || Successfully assigned alignments : 553038 (81.3%) ||
## || Running time : 0.02 minutes ||
## ||
## || Process BAM file lane7055_AGGCAGAA_TATCCTCT_lib190910_G3_501T_d42_L001 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 1465694 ||
## || Successfully assigned alignments : 1261212 (86.0%) ||
## || Running time : 0.03 minutes ||
## ||
## || Process BAM file lane7055_AGGCAGAA_TCTCTCCG_lib190910_A3_501T_d42_L001 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 1195548 ||
## || Successfully assigned alignments : 1017814 (85.1%) ||
## || Running time : 0.03 minutes ||
## ||
## || Process BAM file lane7055_ATCTCAGG_AAGGAGTA_lib190910_D12_526W_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 7712714 ||
## || Successfully assigned alignments : 5664190 (73.4%) ||
## || Running time : 0.09 minutes ||
## ||
## || Process BAM file lane7055_ATCTCAGG_ACTGCATA_lib190910_E12_526W_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||

```



```

## || Total alignments : 1000 ||
## || Successfully assigned alignments : 521 (52.1%) ||
## || Running time : 0.00 minutes ||
## ||
## || Process BAM file lane7055_ATCTCAGG_CGTCTAAT_lib190910_B12_526W_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 11483464 ||
## || Successfully assigned alignments : 7663710 (66.7%) ||
## || Running time : 0.13 minutes ||
## ||
## || Process BAM file lane7055_ATCTCAGG_CTAAGCCT_lib190910_C12_526W_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 14681970 ||
## || Successfully assigned alignments : 12691283 (86.4%) ||
## || Running time : 0.16 minutes ||
## ||
## || Process BAM file lane7055_ATCTCAGG_CTCTCTAT_lib190910_H12_526W_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 1596730 ||
## || Successfully assigned alignments : 1121654 (70.2%) ||
## || Running time : 0.03 minutes ||
## ||
## || Process BAM file lane7055_ATCTCAGG_GTAAGGAG_lib190910_F12_526W_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 1718 ||
## || Successfully assigned alignments : 1006 (58.6%) ||
## || Running time : 0.00 minutes ||
## ||
## || Process BAM file lane7055_ATCTCAGG_TATCCTCT_lib190910_G12_526W_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 460 ||
## || Successfully assigned alignments : 24 (5.2%) ||
## || Running time : 0.00 minutes ||
## ||
## || Process BAM file lane7055_ATCTCAGG_TCTCTCCG_lib190910_A12_526W_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 6633420 ||
## || Successfully assigned alignments : 4452519 (67.1%) ||
## || Running time : 0.08 minutes ||
## ||
## || Process BAM file lane7055_CGAGGCTG_AAGGAGTA_lib190910_D8_526W_d0_L001_ ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 1516288 ||
## || Successfully assigned alignments : 1300962 (85.8%) ||
## || Running time : 0.03 minutes ||
## ||
## || Process BAM file lane7055_CGAGGCTG_ACTGCATA_lib190910_E8_526W_d0_L001_ ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 710666 ||
## || Successfully assigned alignments : 610648 (85.9%) ||
## || Running time : 0.02 minutes ||
## ||
## || Process BAM file lane7055_CGAGGCTG_CGTCTAAT_lib190910_B8_526W_d0_L001_ ... ||
## || WARNING: Paired-end reads were found. ||

```

```

## || Total alignments : 3069820 ||
## || Successfully assigned alignments : 2654404 (86.5%) ||
## || Running time : 0.05 minutes ||
## ||
## || Process BAM file lane7055_CGAGGCTG_CTAAGCCT_lib190910_C8_526W_d0_L001_ ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 2217398 ||
## || Successfully assigned alignments : 1865956 (84.2%) ||
## || Running time : 0.04 minutes ||
## ||
## || Process BAM file lane7055_CGAGGCTG_CTCTCTAT_lib190910_H8_526W_d0_L001_ ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 2178066 ||
## || Successfully assigned alignments : 1825951 (83.8%) ||
## || Running time : 0.04 minutes ||
## ||
## || Process BAM file lane7055_CGAGGCTG_GTAAGGAG_lib190910_F8_526W_d0_L001_ ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 2232002 ||
## || Successfully assigned alignments : 1837170 (82.3%) ||
## || Running time : 0.04 minutes ||
## ||
## || Process BAM file lane7055_CGAGGCTG_TATCCTCT_lib190910_G8_526W_d0_L001_ ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 1597036 ||
## || Successfully assigned alignments : 1305666 (81.8%) ||
## || Running time : 0.03 minutes ||
## ||
## || Process BAM file lane7055_CGAGGCTG_TCTCTCCG_lib190910_A8_526W_d0_L001_ ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 8156724 ||
## || Successfully assigned alignments : 6559617 (80.4%) ||
## || Running time : 0.10 minutes ||
## ||
## || Process BAM file lane7055_CGTACTAG_AAGGAGTA_lib190910_D2_501T_d0_L001_ ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 548076 ||
## || Successfully assigned alignments : 456978 (83.4%) ||
## || Running time : 0.02 minutes ||
## ||
## || Process BAM file lane7055_CGTACTAG_ACTGCATA_lib190910_E2_501T_d0_L001_ ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 635428 ||
## || Successfully assigned alignments : 548234 (86.3%) ||
## || Running time : 0.02 minutes ||
## ||
## || Process BAM file lane7055_CGTACTAG_CGTCTAAT_lib190910_B2_501T_d0_L001_ ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 2521324 ||
## || Successfully assigned alignments : 2138317 (84.8%) ||
## || Running time : 0.03 minutes ||
## ||
## || Process BAM file lane7055_CGTACTAG_CTAAGCCT_lib190910_C2_501T_d0_L001_ ... ||
## || WARNING: Paired-end reads were found. ||

```

```

## || Total alignments : 2305642 ||
## || Successfully assigned alignments : 1987581 (86.2%) ||
## || Running time : 0.04 minutes ||
## ||
## || Process BAM file lane7055_CGTACTAG_CTCTCTAT_lib190910_H2_501T_d0_L001_ ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 9250 ||
## || Successfully assigned alignments : 7626 (82.4%) ||
## || Running time : 0.00 minutes ||
## ||
## || Process BAM file lane7055_CGTACTAG_GTAAGGAG_lib190910_F2_501T_d0_L001_ ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 530248 ||
## || Successfully assigned alignments : 449034 (84.7%) ||
## || Running time : 0.02 minutes ||
## ||
## || Process BAM file lane7055_CGTACTAG_TATCCTCT_lib190910_G2_501T_d0_L001_ ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 1366776 ||
## || Successfully assigned alignments : 1159568 (84.8%) ||
## || Running time : 0.03 minutes ||
## ||
## || Process BAM file lane7055_CGTACTAG_TCTCTCCG_lib190910_A2_501T_d0_L001_ ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 298896 ||
## || Successfully assigned alignments : 233111 (78.0%) ||
## || Running time : 0.02 minutes ||
## ||
## || Process BAM file lane7055_CTCTCTAC_AAGGAGTA_lib190910_D7_526W_d0_L001_ ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 3454946 ||
## || Successfully assigned alignments : 2996531 (86.7%) ||
## || Running time : 0.05 minutes ||
## ||
## || Process BAM file lane7055_CTCTCTAC_ACTGCATA_lib190910_E7_526W_d0_L001_ ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 1938784 ||
## || Successfully assigned alignments : 1644555 (84.8%) ||
## || Running time : 0.03 minutes ||
## ||
## || Process BAM file lane7055_CTCTCTAC_CGTCTAAT_lib190910_B7_526W_d0_L001_ ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 6060864 ||
## || Successfully assigned alignments : 5106568 (84.3%) ||
## || Running time : 0.08 minutes ||
## ||
## || Process BAM file lane7055_CTCTCTAC_CTAAGCCT_lib190910_C7_526W_d0_L001_ ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 344274 ||
## || Successfully assigned alignments : 286347 (83.2%) ||
## || Running time : 0.02 minutes ||
## ||
## || Process BAM file lane7055_CTCTCTAC_CTCTCTAT_lib190910_H7_526W_d0_L001_ ... ||
## || WARNING: Paired-end reads were found. ||

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```

## || Total alignments : 362634 ||
## || Successfully assigned alignments : 301675 (83.2%) ||
## || Running time : 0.02 minutes ||
## ||
## || Process BAM file lane7055_CTCTCTAC_GTAAGGAG_lib190910_F7_526W_d0_L001_ ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 3449142 ||
## || Successfully assigned alignments : 2882141 (83.6%) ||
## || Running time : 0.05 minutes ||
## ||
## || Process BAM file lane7055_CTCTCTAC_TATCCTCT_lib190910_G7_526W_d0_L001_ ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 2169814 ||
## || Successfully assigned alignments : 1719623 (79.3%) ||
## || Running time : 0.04 minutes ||
## ||
## || Process BAM file lane7055_CTCTCTAC_TCTCTCCG_lib190910_A7_526W_d0_L001_ ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 251736 ||
## || Successfully assigned alignments : 218582 (86.8%) ||
## || Running time : 0.01 minutes ||
## ||
## || Process BAM file lane7055_GCTCATGA_AAGGAGTA_lib190910_D11_526W_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 3128 ||
## || Successfully assigned alignments : 2390 (76.4%) ||
## || Running time : 0.00 minutes ||
## ||
## || Process BAM file lane7055_GCTCATGA_ACTGCATA_lib190910_E11_526W_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 212728 ||
## || Successfully assigned alignments : 162188 (76.2%) ||
## || Running time : 0.02 minutes ||
## ||
## || Process BAM file lane7055_GCTCATGA_CGTCTAAT_lib190910_B11_526W_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 9587574 ||
## || Successfully assigned alignments : 8196046 (85.5%) ||
## || Running time : 0.11 minutes ||
## ||
## || Process BAM file lane7055_GCTCATGA_CTAAGCCT_lib190910_C11_526W_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 14185564 ||
## || Successfully assigned alignments : 11256917 (79.4%) ||
## || Running time : 0.16 minutes ||
## ||
## || Process BAM file lane7055_GCTCATGA_CTCTCTAT_lib190910_H11_526W_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 17996 ||
## || Successfully assigned alignments : 13929 (77.4%) ||
## || Running time : 0.00 minutes ||
## ||
## || Process BAM file lane7055_GCTCATGA_GTAAGGAG_lib190910_F11_526W_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||

```

```

## || Total alignments : 226012 ||
## || Successfully assigned alignments : 167725 (74.2%) ||
## || Running time : 0.01 minutes ||
## ||
## || Process BAM file lane7055_GCTCATGA_TATCCTCT_lib190910_G11_526W_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 1219658 ||
## || Successfully assigned alignments : 885676 (72.6%) ||
## || Running time : 0.03 minutes ||
## ||
## || Process BAM file lane7055_GCTCATGA_TCTCTCCG_lib190910_A11_526W_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 3579598 ||
## || Successfully assigned alignments : 2312637 (64.6%) ||
## || Running time : 0.06 minutes ||
## ||
## || Process BAM file lane7055_GGACTCCT_AAGGAGTA_lib190910_D5_501T_d42_L001 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 1008038 ||
## || Successfully assigned alignments : 836221 (83.0%) ||
## || Running time : 0.03 minutes ||
## ||
## || Process BAM file lane7055_GGACTCCT_ACTGCATA_lib190910_E5_501T_d42_L001 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 515386 ||
## || Successfully assigned alignments : 405716 (78.7%) ||
## || Running time : 0.02 minutes ||
## ||
## || Process BAM file lane7055_GGACTCCT_CGTCTAAT_lib190910_B5_501T_d42_L001 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 311396 ||
## || Successfully assigned alignments : 253795 (81.5%) ||
## || Running time : 0.02 minutes ||
## ||
## || Process BAM file lane7055_GGACTCCT_CTAAGCCT_lib190910_C5_501T_d42_L001 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 1113892 ||
## || Successfully assigned alignments : 916224 (82.3%) ||
## || Running time : 0.03 minutes ||
## ||
## || Process BAM file lane7055_GGACTCCT_CTCTCTAT_lib190910_H5_501T_d42_L001 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 76558 ||
## || Successfully assigned alignments : 61357 (80.1%) ||
## || Running time : 0.01 minutes ||
## ||
## || Process BAM file lane7055_GGACTCCT_GTAAGGAG_lib190910_F5_501T_d42_L001 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 1146288 ||
## || Successfully assigned alignments : 919217 (80.2%) ||
## || Running time : 0.03 minutes ||
## ||
## || Process BAM file lane7055_GGACTCCT_TATCCTCT_lib190910_G5_501T_d42_L001 ... ||
## || WARNING: Paired-end reads were found. ||

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```

## || Total alignments : 3225840 ||
## || Successfully assigned alignments : 2630450 (81.5%) ||
## || Running time : 0.05 minutes ||
## ||
## || Process BAM file lane7055_GGACTCCT_TCTCTCCG_lib190910_A5_501T_d42_L001 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 675792 ||
## || Successfully assigned alignments : 563342 (83.4%) ||
## || Running time : 0.02 minutes ||
## ||
## || Process BAM file lane7055_GTAGAGGA_AAGGAGTA_lib190910_D10_526W_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 4544612 ||
## || Successfully assigned alignments : 3069664 (67.5%) ||
## || Running time : 0.06 minutes ||
## ||
## || Process BAM file lane7055_GTAGAGGA_ACTGCATA_lib190910_E10_526W_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 3647386 ||
## || Successfully assigned alignments : 2761631 (75.7%) ||
## || Running time : 0.05 minutes ||
## ||
## || Process BAM file lane7055_GTAGAGGA_CGTCTAAT_lib190910_B10_526W_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 16452414 ||
## || Successfully assigned alignments : 12929809 (78.6%) ||
## || Running time : 0.18 minutes ||
## ||
## || Process BAM file lane7055_GTAGAGGA_CTAAGCCT_lib190910_C10_526W_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 196 ||
## || Successfully assigned alignments : 16 (8.2%) ||
## || Running time : 0.00 minutes ||
## ||
## || Process BAM file lane7055_GTAGAGGA_CTCTCTAT_lib190910_H10_526W_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 3615264 ||
## || Successfully assigned alignments : 2710623 (75.0%) ||
## || Running time : 0.05 minutes ||
## ||
## || Process BAM file lane7055_GTAGAGGA_GTAAGGAG_lib190910_F10_526W_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 3765552 ||
## || Successfully assigned alignments : 3214879 (85.4%) ||
## || Running time : 0.05 minutes ||
## ||
## || Process BAM file lane7055_GTAGAGGA_TATCCTCT_lib190910_G10_526W_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 140 ||
## || Successfully assigned alignments : 11 (7.9%) ||
## || Running time : 0.00 minutes ||
## ||
## || Process BAM file lane7055_GTAGAGGA_TCTCTCCG_lib190910_A10_526W_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||

```

```

## || Total alignments : 324536 ||
## || Successfully assigned alignments : 268486 (82.7%) ||
## || Running time : 0.02 minutes ||
## ||
## || Process BAM file lane7055_TAAGGCGA_AAGGAGTA_lib190910_D1_501T_d0_L001_ ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 2039036 ||
## || Successfully assigned alignments : 1735819 (85.1%) ||
## || Running time : 0.04 minutes ||
## ||
## || Process BAM file lane7055_TAAGGCGA_ACTGCATA_lib190910_E1_501T_d0_L001_ ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 817472 ||
## || Successfully assigned alignments : 708881 (86.7%) ||
## || Running time : 0.02 minutes ||
## ||
## || Process BAM file lane7055_TAAGGCGA_CGTCTAAT_lib190910_B1_501T_d0_L001_ ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 629414 ||
## || Successfully assigned alignments : 480948 (76.4%) ||
## || Running time : 0.02 minutes ||
## ||
## || Process BAM file lane7055_TAAGGCGA_CTAAGCCT_lib190910_C1_501T_d0_L001_ ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 756346 ||
## || Successfully assigned alignments : 605566 (80.1%) ||
## || Running time : 0.02 minutes ||
## ||
## || Process BAM file lane7055_TAAGGCGA_CTCTCTAT_lib190910_H1_501T_d0_L001_ ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 107660 ||
## || Successfully assigned alignments : 94500 (87.8%) ||
## || Running time : 0.01 minutes ||
## ||
## || Process BAM file lane7055_TAAGGCGA_GTAAGGAG_lib190910_F1_501T_d0_L001_ ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 1029180 ||
## || Successfully assigned alignments : 903184 (87.8%) ||
## || Running time : 0.02 minutes ||
## ||
## || Process BAM file lane7055_TAAGGCGA_TATCCTCT_lib190910_G1_501T_d0_L001_ ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 68420 ||
## || Successfully assigned alignments : 58084 (84.9%) ||
## || Running time : 0.01 minutes ||
## ||
## || Process BAM file lane7055_TAAGGCGA_TCTCTCCG_lib190910_A1_501T_d0_L001_ ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 89592 ||
## || Successfully assigned alignments : 77270 (86.2%) ||
## || Running time : 0.01 minutes ||
## ||
## || Process BAM file lane7055_TAGGCATG_AAGGAGTA_lib190910_D6_501T_d42_L001 ... ||
## || WARNING: Paired-end reads were found. ||

```

```

## || Total alignments : 1298492 ||
## || Successfully assigned alignments : 1023297 (78.8%) ||
## || Running time : 0.03 minutes ||
## ||
## || Process BAM file lane7055_TAGGCATG_ACTGCATA_lib190910_E6_501T_d42_L001 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 669184 ||
## || Successfully assigned alignments : 542435 (81.1%) ||
## || Running time : 0.02 minutes ||
## ||
## || Process BAM file lane7055_TAGGCATG_CGTCTAAT_lib190910_B6_501T_d42_L001 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 400564 ||
## || Successfully assigned alignments : 340053 (84.9%) ||
## || Running time : 0.02 minutes ||
## ||
## || Process BAM file lane7055_TAGGCATG_CTAAGCCT_lib190910_C6_501T_d42_L001 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 1009396 ||
## || Successfully assigned alignments : 807429 (80.0%) ||
## || Running time : 0.02 minutes ||
## ||
## || Process BAM file lane7055_TAGGCATG_CTCTCTAT_lib190910_H6_501T_d42_L001 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 13652 ||
## || Successfully assigned alignments : 10788 (79.0%) ||
## || Running time : 0.00 minutes ||
## ||
## || Process BAM file lane7055_TAGGCATG_GTAAGGAG_lib190910_F6_501T_d42_L001 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 1233758 ||
## || Successfully assigned alignments : 1011116 (82.0%) ||
## || Running time : 0.03 minutes ||
## ||
## || Process BAM file lane7055_TAGGCATG_TATCCTCT_lib190910_G6_501T_d42_L001 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 398666 ||
## || Successfully assigned alignments : 331924 (83.3%) ||
## || Running time : 0.02 minutes ||
## ||
## || Process BAM file lane7055_TAGGCATG_TCTCTCCG_lib190910_A6_501T_d42_L001 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 659898 ||
## || Successfully assigned alignments : 541025 (82.0%) ||
## || Running time : 0.02 minutes ||
## ||
## || Process BAM file lane7055_TCCTGAGC_AAGGAGTA_lib190910_D4_501T_d42_L001 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 781236 ||
## || Successfully assigned alignments : 650070 (83.2%) ||
## || Running time : 0.02 minutes ||
## ||
## || Process BAM file lane7055_TCCTGAGC_ACTGCATA_lib190910_E4_501T_d42_L001 ... ||
## || WARNING: Paired-end reads were found. ||

```



```

## || Total alignments : 1400586 ||
## || Successfully assigned alignments : 1071568 (76.5%) ||
## || Running time : 0.03 minutes ||
## ||
## || Process BAM file lane7055_TCCTGAGC_CGTCTAAT_lib190910_B4_501T_d42_L001 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 632122 ||
## || Successfully assigned alignments : 481368 (76.2%) ||
## || Running time : 0.02 minutes ||
## ||
## || Process BAM file lane7055_TCCTGAGC_CTAAGCCT_lib190910_C4_501T_d42_L001 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 1438946 ||
## || Successfully assigned alignments : 1185268 (82.4%) ||
## || Running time : 0.03 minutes ||
## ||
## || Process BAM file lane7055_TCCTGAGC_CTCTCTAT_lib190910_H4_501T_d42_L001 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 1010698 ||
## || Successfully assigned alignments : 861943 (85.3%) ||
## || Running time : 0.03 minutes ||
## ||
## || Process BAM file lane7055_TCCTGAGC_GTAAGGAG_lib190910_F4_501T_d42_L001 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 2811778 ||
## || Successfully assigned alignments : 2351996 (83.6%) ||
## || Running time : 0.05 minutes ||
## ||
## || Process BAM file lane7055_TCCTGAGC_TATCCTCT_lib190910_G4_501T_d42_L001 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 2009844 ||
## || Successfully assigned alignments : 1615528 (80.4%) ||
## || Running time : 0.04 minutes ||
## ||
## || Process BAM file lane7055_TCCTGAGC_TCTCTCCG_lib190910_A4_501T_d42_L001 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 1398976 ||
## || Successfully assigned alignments : 1175511 (84.0%) ||
## || Running time : 0.03 minutes ||
## ||
## || Process BAM file lane7052_AAGAGGCA_AAGGAGTA_cDNA190916_D9_665X_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 5494760 ||
## || Successfully assigned alignments : 4648151 (84.6%) ||
## || Running time : 0.08 minutes ||
## ||
## || Process BAM file lane7052_AAGAGGCA_ACTGCATA_cDNA190916_E9_665X_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 1901102 ||
## || Successfully assigned alignments : 1338791 (70.4%) ||
## || Running time : 0.03 minutes ||
## ||
## || Process BAM file lane7052_AAGAGGCA_CGTCTAAT_cDNA190916_B9_665X_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||

```

```

## || Total alignments : 4844 ||
## || Successfully assigned alignments : 782 (16.1%) ||
## || Running time : 0.00 minutes ||
## ||
## || Process BAM file lane7052_AAGAGGCA_CTAAGCCT_cDNA190916_C9_665X_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 2778286 ||
## || Successfully assigned alignments : 2323023 (83.6%) ||
## || Running time : 0.05 minutes ||
## ||
## || Process BAM file lane7052_AAGAGGCA_CTCTCTAT_cDNA190916_H9_665X_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 19688 ||
## || Successfully assigned alignments : 15252 (77.5%) ||
## || Running time : 0.00 minutes ||
## ||
## || Process BAM file lane7052_AAGAGGCA_GTAAGGAG_cDNA190916_F9_665X_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 2998490 ||
## || Successfully assigned alignments : 2370723 (79.1%) ||
## || Running time : 0.05 minutes ||
## ||
## || Process BAM file lane7052_AAGAGGCA_TATCCTCT_cDNA190916_G9_665X_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 6095674 ||
## || Successfully assigned alignments : 5221036 (85.7%) ||
## || Running time : 0.08 minutes ||
## ||
## || Process BAM file lane7052_AAGAGGCA_TCTCTCCG_cDNA190916_A9_665X_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 7081478 ||
## || Successfully assigned alignments : 5259253 (74.3%) ||
## || Running time : 0.09 minutes ||
## ||
## || Process BAM file lane7052_AGGCAGAA_AAGGAGTA_cDNA190916_D3_665X_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 1738786 ||
## || Successfully assigned alignments : 1437103 (82.6%) ||
## || Running time : 0.04 minutes ||
## ||
## || Process BAM file lane7052_AGGCAGAA_ACTGCATA_cDNA190916_E3_665X_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 1078012 ||
## || Successfully assigned alignments : 801093 (74.3%) ||
## || Running time : 0.03 minutes ||
## ||
## || Process BAM file lane7052_AGGCAGAA_CGTCTAAT_cDNA190916_B3_665X_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 2282 ||
## || Successfully assigned alignments : 120 (5.3%) ||
## || Running time : 0.00 minutes ||
## ||
## || Process BAM file lane7052_AGGCAGAA_CTAAGCCT_cDNA190916_C3_665X_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||

```

```

## || Total alignments : 2119944 ||
## || Successfully assigned alignments : 1813734 (85.6%) ||
## || Running time : 0.04 minutes ||
## ||
## || Process BAM file lane7052_AGGCAGAA_CTCTCTAT_cDNA190916_H3_665X_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 127356 ||
## || Successfully assigned alignments : 101526 (79.7%) ||
## || Running time : 0.01 minutes ||
## ||
## || Process BAM file lane7052_AGGCAGAA_GTAAGGAG_cDNA190916_F3_665X_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 240722 ||
## || Successfully assigned alignments : 182268 (75.7%) ||
## || Running time : 0.01 minutes ||
## ||
## || Process BAM file lane7052_AGGCAGAA_TATCCTCT_cDNA190916_G3_665X_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 3700948 ||
## || Successfully assigned alignments : 2877707 (77.8%) ||
## || Running time : 0.06 minutes ||
## ||
## || Process BAM file lane7052_AGGCAGAA_TCTCTCCG_cDNA190916_A3_652H_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 2556 ||
## || Successfully assigned alignments : 135 (5.3%) ||
## || Running time : 0.00 minutes ||
## ||
## || Process BAM file lane7052_ATCTCAGG_AAGGAGTA_cDNA190916_D12_665X_d42_L0 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 13566442 ||
## || Successfully assigned alignments : 10153975 (74.8%) ||
## || Running time : 0.16 minutes ||
## ||
## || Process BAM file lane7052_ATCTCAGG_ACTGCATA_cDNA190916_E12_665X_d42_L0 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 14680444 ||
## || Successfully assigned alignments : 12375673 (84.3%) ||
## || Running time : 0.17 minutes ||
## ||
## || Process BAM file lane7052_ATCTCAGG_CGTCTAAT_cDNA190916_B12_665X_d42_L0 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 10595834 ||
## || Successfully assigned alignments : 7500627 (70.8%) ||
## || Running time : 0.12 minutes ||
## ||
## || Process BAM file lane7052_ATCTCAGG_CTAAGCCT_cDNA190916_C12_665X_d42_L0 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 12300 ||
## || Successfully assigned alignments : 548 (4.5%) ||
## || Running time : 0.00 minutes ||
## ||
## || Process BAM file lane7052_ATCTCAGG_CTCTCTAT_cDNA190916_H12_665X_d42_L0 ... ||
## || WARNING: Paired-end reads were found. ||

```

```

## || Total alignments : 9559858 ||
## || Successfully assigned alignments : 8142660 (85.2%) ||
## || Running time : 0.11 minutes ||
## ||
## || Process BAM file lane7052_ATCTCAGG_GTAAGGAG_cDNA190916_F12_665X_d42_L0 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 5021114 ||
## || Successfully assigned alignments : 3849809 (76.7%) ||
## || Running time : 0.07 minutes ||
## ||
## || Process BAM file lane7052_ATCTCAGG_TATCCTCT_cDNA190916_G12_665X_d42_L0 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 8888980 ||
## || Successfully assigned alignments : 7297988 (82.1%) ||
## || Running time : 0.10 minutes ||
## ||
## || Process BAM file lane7052_ATCTCAGG_TCTCTCCG_cDNA190916_A12_665X_d42_L0 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 35376 ||
## || Successfully assigned alignments : 1392 (3.9%) ||
## || Running time : 0.00 minutes ||
## ||
## || Process BAM file lane7052_CGAGGCTG_AAGGAGTA_cDNA190916_D8_665X_d0_L001 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 722 ||
## || Successfully assigned alignments : 50 (6.9%) ||
## || Running time : 0.00 minutes ||
## ||
## || Process BAM file lane7052_CGAGGCTG_ACTGCATA_cDNA190916_E8_665X_d0_L001 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 664 ||
## || Successfully assigned alignments : 44 (6.6%) ||
## || Running time : 0.00 minutes ||
## ||
## || Process BAM file lane7052_CGAGGCTG_CGTCTAAT_cDNA190916_B8_665X_d0_L001 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 1280 ||
## || Successfully assigned alignments : 85 (6.6%) ||
## || Running time : 0.00 minutes ||
## ||
## || Process BAM file lane7052_CGAGGCTG_CTAAGCCT_cDNA190916_C8_665X_d0_L001 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 1938 ||
## || Successfully assigned alignments : 114 (5.9%) ||
## || Running time : 0.00 minutes ||
## ||
## || Process BAM file lane7052_CGAGGCTG_CTCTCTAT_cDNA190916_H8_665X_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 1632 ||
## || Successfully assigned alignments : 64 (3.9%) ||
## || Running time : 0.00 minutes ||
## ||
## || Process BAM file lane7052_CGAGGCTG_GTAAGGAG_cDNA190916_F8_665X_d0_L001 ... ||
## || WARNING: Paired-end reads were found. ||

```

```

## || Total alignments : 626 ||
## || Successfully assigned alignments : 38 (6.1%) ||
## || Running time : 0.00 minutes ||
## ||
## || Process BAM file lane7052_CGAGGCTG_TATCTCT_cDNA190916_G8_665X_d0_L001 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 850 ||
## || Successfully assigned alignments : 64 (7.5%) ||
## || Running time : 0.00 minutes ||
## ||
## || Process BAM file lane7052_CGAGGCTG_TCTCTCCG_cDNA190916_A8_665X_d0_L001 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 5286 ||
## || Successfully assigned alignments : 286 (5.4%) ||
## || Running time : 0.00 minutes ||
## ||
## || Process BAM file lane7052_CGTACTAG_AAGGAGTA_cDNA190916_D2_665X_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 45126 ||
## || Successfully assigned alignments : 35001 (77.6%) ||
## || Running time : 0.00 minutes ||
## ||
## || Process BAM file lane7052_CGTACTAG_ACTGCATA_cDNA190916_E2_665X_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 36038 ||
## || Successfully assigned alignments : 20826 (57.8%) ||
## || Running time : 0.00 minutes ||
## ||
## || Process BAM file lane7052_CGTACTAG_CGTCTAAT_cDNA190916_B2_652H_d0_L001 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 44246 ||
## || Successfully assigned alignments : 29526 (66.7%) ||
## || Running time : 0.00 minutes ||
## ||
## || Process BAM file lane7052_CGTACTAG_CTAAGCCT_cDNA190916_C2_665X_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 8748 ||
## || Successfully assigned alignments : 5060 (57.8%) ||
## || Running time : 0.00 minutes ||
## ||
## || Process BAM file lane7052_CGTACTAG_CTCTCTAT_cDNA190916_H2_665X_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 1328 ||
## || Successfully assigned alignments : 57 (4.3%) ||
## || Running time : 0.00 minutes ||
## ||
## || Process BAM file lane7052_CGTACTAG_GTAAGGAG_cDNA190916_F2_665X_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 1030 ||
## || Successfully assigned alignments : 199 (19.3%) ||
## || Running time : 0.00 minutes ||
## ||
## || Process BAM file lane7052_CGTACTAG_TATCTCT_cDNA190916_G2_665X_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||

```

```

## || Total alignments : 80648 ||
## || Successfully assigned alignments : 65615 (81.4%) ||
## || Running time : 0.01 minutes ||
## ||
## || Process BAM file lane7052_CGTACTAG_TCTCTCCG_cDNA190916_A2_652H_d0_L001 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 2482 ||
## || Successfully assigned alignments : 254 (10.2%) ||
## || Running time : 0.00 minutes ||
## ||
## || Process BAM file lane7052_CTCTCTAC_AAGGAGTA_cDNA190916_D7_665X_d0_L001 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 856 ||
## || Successfully assigned alignments : 56 (6.5%) ||
## || Running time : 0.00 minutes ||
## ||
## || Process BAM file lane7052_CTCTCTAC_ACTGCATA_cDNA190916_E7_665X_d0_L001 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 934 ||
## || Successfully assigned alignments : 83 (8.9%) ||
## || Running time : 0.00 minutes ||
## ||
## || Process BAM file lane7052_CTCTCTAC_CGTCTAAT_cDNA190916_B7_665X_d0_L001 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 3344 ||
## || Successfully assigned alignments : 176 (5.3%) ||
## || Running time : 0.00 minutes ||
## ||
## || Process BAM file lane7052_CTCTCTAC_CTAAGCCT_cDNA190916_C7_665X_d0_L001 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 1360 ||
## || Successfully assigned alignments : 55 (4.0%) ||
## || Running time : 0.00 minutes ||
## ||
## || Process BAM file lane7052_CTCTCTAC_CTCTCTAT_cDNA190916_H7_665X_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 8784 ||
## || Successfully assigned alignments : 386 (4.4%) ||
## || Running time : 0.00 minutes ||
## ||
## || Process BAM file lane7052_CTCTCTAC_GTAAGGAG_cDNA190916_F7_665X_d0_L001 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 876 ||
## || Successfully assigned alignments : 69 (7.9%) ||
## || Running time : 0.00 minutes ||
## ||
## || Process BAM file lane7052_CTCTCTAC_TATCCTCT_cDNA190916_G7_665X_d0_L001 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 1244 ||
## || Successfully assigned alignments : 72 (5.8%) ||
## || Running time : 0.00 minutes ||
## ||
## || Process BAM file lane7052_CTCTCTAC_TCTCTCCG_cDNA190916_A7_665X_d0_L001 ... ||
## || WARNING: Paired-end reads were found. ||

```

```

## || Total alignments : 4658 ||
## || Successfully assigned alignments : 212 (4.6%) ||
## || Running time : 0.00 minutes ||
## ||
## || Process BAM file lane7052_GCTCATGA_AAGGAGTA_cDNA190916_D11_665X_d42_L0 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 970268 ||
## || Successfully assigned alignments : 782258 (80.6%) ||
## || Running time : 0.02 minutes ||
## ||
## || Process BAM file lane7052_GCTCATGA_ACTGCATA_cDNA190916_E11_665X_d42_L0 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 6625100 ||
## || Successfully assigned alignments : 4872874 (73.6%) ||
## || Running time : 0.09 minutes ||
## ||
## || Process BAM file lane7052_GCTCATGA_CGTCTAAT_cDNA190916_B11_665X_d42_L0 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 15658 ||
## || Successfully assigned alignments : 740 (4.7%) ||
## || Running time : 0.00 minutes ||
## ||
## || Process BAM file lane7052_GCTCATGA_CTAAGCCT_cDNA190916_C11_665X_d42_L0 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 501778 ||
## || Successfully assigned alignments : 400587 (79.8%) ||
## || Running time : 0.02 minutes ||
## ||
## || Process BAM file lane7052_GCTCATGA_CTCTCTAT_cDNA190916_H11_665X_d42_L0 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 48394 ||
## || Successfully assigned alignments : 38998 (80.6%) ||
## || Running time : 0.00 minutes ||
## ||
## || Process BAM file lane7052_GCTCATGA_GTAAGGAG_cDNA190916_F11_665X_d42_L0 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 583664 ||
## || Successfully assigned alignments : 490812 (84.1%) ||
## || Running time : 0.02 minutes ||
## ||
## || Process BAM file lane7052_GCTCATGA_TATCCTCT_cDNA190916_G11_665X_d42_L0 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 3693372 ||
## || Successfully assigned alignments : 849292 (23.0%) ||
## || Running time : 0.05 minutes ||
## ||
## || Process BAM file lane7052_GCTCATGA_TCTCTCCG_cDNA190916_A11_665X_d42_L0 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 14710 ||
## || Successfully assigned alignments : 632 (4.3%) ||
## || Running time : 0.00 minutes ||
## ||
## || Process BAM file lane7052_GGACTCCT_AAGGAGTA_cDNA190916_D5_665X_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||

```

```

## || Total alignments : 944 ||
## || Successfully assigned alignments : 260 (27.5%) ||
## || Running time : 0.00 minutes ||
## ||
## || Process BAM file lane7052_GGACTCCT_ACTGCATA_cDNA190916_E5_665X_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 1238724 ||
## || Successfully assigned alignments : 807540 (65.2%) ||
## || Running time : 0.03 minutes ||
## ||
## || Process BAM file lane7052_GGACTCCT_CGTCTAAT_cDNA190916_B5_665X_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 3050 ||
## || Successfully assigned alignments : 926 (30.4%) ||
## || Running time : 0.00 minutes ||
## ||
## || Process BAM file lane7052_GGACTCCT_CTAAGCCT_cDNA190916_C5_665X_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 968996 ||
## || Successfully assigned alignments : 835632 (86.2%) ||
## || Running time : 0.02 minutes ||
## ||
## || Process BAM file lane7052_GGACTCCT_CTCTCTAT_cDNA190916_H5_665X_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 5466388 ||
## || Successfully assigned alignments : 4577840 (83.7%) ||
## || Running time : 0.08 minutes ||
## ||
## || Process BAM file lane7052_GGACTCCT_GTAAGGAG_cDNA190916_F5_665X_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 109854 ||
## || Successfully assigned alignments : 85520 (77.8%) ||
## || Running time : 0.01 minutes ||
## ||
## || Process BAM file lane7052_GGACTCCT_TATCCTCT_cDNA190916_G5_665X_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 493096 ||
## || Successfully assigned alignments : 378090 (76.7%) ||
## || Running time : 0.02 minutes ||
## ||
## || Process BAM file lane7052_GGACTCCT_TCTCTCCG_cDNA190916_A5_665X_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 1472 ||
## || Successfully assigned alignments : 338 (23.0%) ||
## || Running time : 0.00 minutes ||
## ||
## || Process BAM file lane7052_GTAGAGGA_AAGGAGTA_cDNA190916_D10_665X_d42_L0 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 3960468 ||
## || Successfully assigned alignments : 3232121 (81.6%) ||
## || Running time : 0.06 minutes ||
## ||
## || Process BAM file lane7052_GTAGAGGA_ACTGCATA_cDNA190916_E10_665X_d42_L0 ... ||
## || WARNING: Paired-end reads were found. ||

```



```

## || Total alignments : 3657142 ||
## || Successfully assigned alignments : 2876830 (78.7%) ||
## || Running time : 0.05 minutes ||
## ||
## || Process BAM file lane7052_GTAGAGGA_CGTCTAAT_cDNA190916_B10_665X_d42_L0 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 18487056 ||
## || Successfully assigned alignments : 16171516 (87.5%) ||
## || Running time : 0.20 minutes ||
## ||
## || Process BAM file lane7052_GTAGAGGA_CTAAGCCT_cDNA190916_C10_665X_d42_L0 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 9117414 ||
## || Successfully assigned alignments : 7199107 (79.0%) ||
## || Running time : 0.11 minutes ||
## ||
## || Process BAM file lane7052_GTAGAGGA_CTCTCTAT_cDNA190916_H10_665X_d42_L0 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 11228 ||
## || Successfully assigned alignments : 6177 (55.0%) ||
## || Running time : 0.00 minutes ||
## ||
## || Process BAM file lane7052_GTAGAGGA_GTAAGGAG_cDNA190916_F10_665X_d42_L0 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 7625482 ||
## || Successfully assigned alignments : 6575333 (86.2%) ||
## || Running time : 0.10 minutes ||
## ||
## || Process BAM file lane7052_GTAGAGGA_TATCCTCT_cDNA190916_G10_665X_d42_L0 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 9885984 ||
## || Successfully assigned alignments : 8554779 (86.5%) ||
## || Running time : 0.12 minutes ||
## ||
## || Process BAM file lane7052_GTAGAGGA_TCTCTCCG_cDNA190916_A10_665X_d42_L0 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 9287942 ||
## || Successfully assigned alignments : 7351537 (79.2%) ||
## || Running time : 0.11 minutes ||
## ||
## || Process BAM file lane7052_TAAGGCGA_AAGGAGTA_cDNA190916_D1_665X_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 2789576 ||
## || Successfully assigned alignments : 2409713 (86.4%) ||
## || Running time : 0.05 minutes ||
## ||
## || Process BAM file lane7052_TAAGGCGA_ACTGCATA_cDNA190916_E1_665X_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 23942 ||
## || Successfully assigned alignments : 18174 (75.9%) ||
## || Running time : 0.00 minutes ||
## ||
## || Process BAM file lane7052_TAAGGCGA_CGTCTAAT_cDNA190916_B1_652H_d0_L001 ... ||
## || WARNING: Paired-end reads were found. ||

```

```

## || Total alignments : 1784900 ||
## || Successfully assigned alignments : 1576386 (88.3%) ||
## || Running time : 0.03 minutes ||
## ||
## || Process BAM file lane7052_TAAGGCGA_CTAAGCCT_cDNA190916_C1_665X_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 10812 ||
## || Successfully assigned alignments : 6740 (62.3%) ||
## || Running time : 0.00 minutes ||
## ||
## || Process BAM file lane7052_TAAGGCGA_CTCTCTAT_cDNA190916_H1_665X_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 4178 ||
## || Successfully assigned alignments : 622 (14.9%) ||
## || Running time : 0.00 minutes ||
## ||
## || Process BAM file lane7052_TAAGGCGA_GTAAGGAG_cDNA190916_F1_665X_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 12110 ||
## || Successfully assigned alignments : 9597 (79.2%) ||
## || Running time : 0.00 minutes ||
## ||
## || Process BAM file lane7052_TAAGGCGA_TATCCTCT_cDNA190916_G1_665X_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 1926 ||
## || Successfully assigned alignments : 270 (14.0%) ||
## || Running time : 0.00 minutes ||
## ||
## || Process BAM file lane7052_TAAGGCGA_TCTCTCCG_cDNA190916_A1_652H_d0_L001 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 1585966 ||
## || Successfully assigned alignments : 1365221 (86.1%) ||
## || Running time : 0.03 minutes ||
## ||
## || Process BAM file lane7052_TAGGCATG_AAGGAGTA_cDNA190916_D6_665X_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 1130634 ||
## || Successfully assigned alignments : 882979 (78.1%) ||
## || Running time : 0.03 minutes ||
## ||
## || Process BAM file lane7052_TAGGCATG_ACTGCATA_cDNA190916_E6_665X_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 4903874 ||
## || Successfully assigned alignments : 4182677 (85.3%) ||
## || Running time : 0.07 minutes ||
## ||
## || Process BAM file lane7052_TAGGCATG_CGTCTAAT_cDNA190916_B6_665X_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 9486 ||
## || Successfully assigned alignments : 5465 (57.6%) ||
## || Running time : 0.00 minutes ||
## ||
## || Process BAM file lane7052_TAGGCATG_CTAAGCCT_cDNA190916_C6_665X_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||

```

```

## || Total alignments : 1382 ||
## || Successfully assigned alignments : 76 (5.5%) ||
## || Running time : 0.00 minutes ||
## ||
## || Process BAM file lane7052_TAGGCATG_CTCTCTAT_cDNA190916_H6_665X_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 4433050 ||
## || Successfully assigned alignments : 3809332 (85.9%) ||
## || Running time : 0.06 minutes ||
## ||
## || Process BAM file lane7052_TAGGCATG_GTAAGGAG_cDNA190916_F6_665X_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 1435502 ||
## || Successfully assigned alignments : 963033 (67.1%) ||
## || Running time : 0.03 minutes ||
## ||
## || Process BAM file lane7052_TAGGCATG_TATCCTCT_cDNA190916_G6_665X_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 503174 ||
## || Successfully assigned alignments : 382536 (76.0%) ||
## || Running time : 0.02 minutes ||
## ||
## || Process BAM file lane7052_TAGGCATG_TCTCTCCG_cDNA190916_A6_665X_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 6019962 ||
## || Successfully assigned alignments : 5266382 (87.5%) ||
## || Running time : 0.08 minutes ||
## ||
## || Process BAM file lane7052_TCCTGAGC_AAGGAGTA_cDNA190916_D4_665X_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 663048 ||
## || Successfully assigned alignments : 580489 (87.5%) ||
## || Running time : 0.03 minutes ||
## ||
## || Process BAM file lane7052_TCCTGAGC_ACTGCATA_cDNA190916_E4_665X_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 1927812 ||
## || Successfully assigned alignments : 1631026 (84.6%) ||
## || Running time : 0.04 minutes ||
## ||
## || Process BAM file lane7052_TCCTGAGC_CGTCTAAT_cDNA190916_B4_665X_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 1450 ||
## || Successfully assigned alignments : 76 (5.2%) ||
## || Running time : 0.00 minutes ||
## ||
## || Process BAM file lane7052_TCCTGAGC_CTAAGCCT_cDNA190916_C4_665X_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 10698 ||
## || Successfully assigned alignments : 6825 (63.8%) ||
## || Running time : 0.00 minutes ||
## ||
## || Process BAM file lane7052_TCCTGAGC_CTCTCTAT_cDNA190916_H4_665X_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||

```

```

## || Total alignments : 1252 ||
## || Successfully assigned alignments : 82 (6.5%) ||
## || Running time : 0.00 minutes ||
## ||
## || Process BAM file lane7052_TCCTGAGC_GTAAGGAG_cDNA190916_F4_665X_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 2397394 ||
## || Successfully assigned alignments : 1995954 (83.3%) ||
## || Running time : 0.04 minutes ||
## ||
## || Process BAM file lane7052_TCCTGAGC_TATCCTCT_cDNA190916_G4_665X_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 193090 ||
## || Successfully assigned alignments : 144738 (75.0%) ||
## || Running time : 0.01 minutes ||
## ||
## || Process BAM file lane7052_TCCTGAGC_TCTCTCCG_cDNA190916_A4_652H_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 1175254 ||
## || Successfully assigned alignments : 954850 (81.2%) ||
## || Running time : 0.02 minutes ||
## ||
## || Process BAM file lane7023_AAGAGGCA_AAGGAGTA_cDNA190917_D9_627F_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 336982 ||
## || Successfully assigned alignments : 249329 (74.0%) ||
## || Running time : 0.02 minutes ||
## ||
## || Process BAM file lane7023_AAGAGGCA_ACTGCATA_cDNA190917_E9_627F_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 297990 ||
## || Successfully assigned alignments : 225667 (75.7%) ||
## || Running time : 0.02 minutes ||
## ||
## || Process BAM file lane7023_AAGAGGCA_CGTCTAAT_cDNA190917_B9_643Y_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 6340 ||
## || Successfully assigned alignments : 4113 (64.9%) ||
## || Running time : 0.00 minutes ||
## ||
## || Process BAM file lane7023_AAGAGGCA_CTAAGCCT_cDNA190917_C9_643Y_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 2404 ||
## || Successfully assigned alignments : 1643 (68.3%) ||
## || Running time : 0.00 minutes ||
## ||
## || Process BAM file lane7023_AAGAGGCA_CTCTCTAT_cDNA190917_H9_627F_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 1935996 ||
## || Successfully assigned alignments : 1618453 (83.6%) ||
## || Running time : 0.03 minutes ||
## ||
## || Process BAM file lane7023_AAGAGGCA_GTAAGGAG_cDNA190917_F9_627F_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||

```

```

## || Total alignments : 1870716 ||
## || Successfully assigned alignments : 1469908 (78.6%) ||
## || Running time : 0.03 minutes ||
## ||
## || Process BAM file lane7023_AAGAGGCA_TATCTCT_cDNA190917_G9_627F_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 763024 ||
## || Successfully assigned alignments : 611003 (80.1%) ||
## || Running time : 0.02 minutes ||
## ||
## || Process BAM file lane7023_AAGAGGCA_TCTCTCCG_cDNA190917_A9_643Y_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 35084 ||
## || Successfully assigned alignments : 24018 (68.5%) ||
## || Running time : 0.01 minutes ||
## ||
## || Process BAM file lane7023_AGGCAGAA_AAGGAGTA_cDNA190917_D3_627F_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 3073640 ||
## || Successfully assigned alignments : 2618618 (85.2%) ||
## || Running time : 0.06 minutes ||
## ||
## || Process BAM file lane7023_AGGCAGAA_ACTGCATA_cDNA190917_E3_627F_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 326456 ||
## || Successfully assigned alignments : 272760 (83.6%) ||
## || Running time : 0.02 minutes ||
## ||
## || Process BAM file lane7023_AGGCAGAA_CGTCTAAT_cDNA190917_B3_627F_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 260322 ||
## || Successfully assigned alignments : 204103 (78.4%) ||
## || Running time : 0.02 minutes ||
## ||
## || Process BAM file lane7023_AGGCAGAA_CTAAGCCT_cDNA190917_C3_627F_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 2593660 ||
## || Successfully assigned alignments : 2219687 (85.6%) ||
## || Running time : 0.05 minutes ||
## ||
## || Process BAM file lane7023_AGGCAGAA_CTCTCTAT_cDNA190917_H3_627F_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 614 ||
## || Successfully assigned alignments : 286 (46.6%) ||
## || Running time : 0.00 minutes ||
## ||
## || Process BAM file lane7023_AGGCAGAA_GTAAGGAG_cDNA190917_F3_627F_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 1850168 ||
## || Successfully assigned alignments : 1563045 (84.5%) ||
## || Running time : 0.04 minutes ||
## ||
## || Process BAM file lane7023_AGGCAGAA_TATCTCT_cDNA190917_G3_627F_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||

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```

## || Total alignments : 2207420 ||
## || Successfully assigned alignments : 1836752 (83.2%) ||
## || Running time : 0.04 minutes ||
## ||
## || Process BAM file lane7023_AGGCAGAA_TCTCTCCG_cDNA190917_A3_627F_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 321380 ||
## || Successfully assigned alignments : 250884 (78.1%) ||
## || Running time : 0.02 minutes ||
## ||
## || Process BAM file lane7023_ATCTCAGG_AAGGAGTA_cDNA190917_D12_643Y_d42_L0 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 1106712 ||
## || Successfully assigned alignments : 853402 (77.1%) ||
## || Running time : 0.03 minutes ||
## ||
## || Process BAM file lane7023_ATCTCAGG_ACTGCATA_cDNA190917_E12_627F_d42_L0 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 432 ||
## || Successfully assigned alignments : 45 (10.4%) ||
## || Running time : 0.00 minutes ||
## ||
## || Process BAM file lane7023_ATCTCAGG_CGTCTAAT_cDNA190917_B12_643Y_d42_L0 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 9494174 ||
## || Successfully assigned alignments : 7602463 (80.1%) ||
## || Running time : 0.11 minutes ||
## ||
## || Process BAM file lane7023_ATCTCAGG_CTAAGCCT_cDNA190917_C12_643Y_d42_L0 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 5249290 ||
## || Successfully assigned alignments : 3888171 (74.1%) ||
## || Running time : 0.07 minutes ||
## ||
## || Process BAM file lane7023_ATCTCAGG_CTCTCTAT_cDNA190917_H12_594V_d0_L00 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 489310 ||
## || Successfully assigned alignments : 399690 (81.7%) ||
## || Running time : 0.02 minutes ||
## ||
## || Process BAM file lane7023_ATCTCAGG_GTAAGGAG_cDNA190917_F12_627F_d42_L0 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 1563988 ||
## || Successfully assigned alignments : 1184070 (75.7%) ||
## || Running time : 0.03 minutes ||
## ||
## || Process BAM file lane7023_ATCTCAGG_TATCCTCT_cDNA190917_G12_627F_d42_L0 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 86508 ||
## || Successfully assigned alignments : 66268 (76.6%) ||
## || Running time : 0.01 minutes ||
## ||
## || Process BAM file lane7023_ATCTCAGG_TCTCTCCG_cDNA190917_A12_643Y_d42_L0 ... ||
## || WARNING: Paired-end reads were found. ||

```

```

## || Total alignments : 17439292 ||
## || Successfully assigned alignments : 14615031 (83.8%) ||
## || Running time : 0.19 minutes ||
## ||
## || Process BAM file lane7023_CGAGGCTG_AAGGAGTA_cDNA190917_D8_643Y_d0_L001 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 158 ||
## || Successfully assigned alignments : 22 (13.9%) ||
## || Running time : 0.00 minutes ||
## ||
## || Process BAM file lane7023_CGAGGCTG_ACTGCATA_cDNA190917_E8_594V_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 2520330 ||
## || Successfully assigned alignments : 1934542 (76.8%) ||
## || Running time : 0.05 minutes ||
## ||
## || Process BAM file lane7023_CGAGGCTG_CGTCTAAT_cDNA190917_B8_643Y_d0_L001 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 28058 ||
## || Successfully assigned alignments : 22148 (78.9%) ||
## || Running time : 0.00 minutes ||
## ||
## || Process BAM file lane7023_CGAGGCTG_CTAAGCCT_cDNA190917_C8_643Y_d0_L001 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 71528 ||
## || Successfully assigned alignments : 58811 (82.2%) ||
## || Running time : 0.01 minutes ||
## ||
## || Process BAM file lane7023_CGAGGCTG_CTCTCTAT_cDNA190917_H8_594V_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 2243976 ||
## || Successfully assigned alignments : 1880455 (83.8%) ||
## || Running time : 0.04 minutes ||
## ||
## || Process BAM file lane7023_CGAGGCTG_GTAAGGAG_cDNA190917_F8_594V_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 1794952 ||
## || Successfully assigned alignments : 1478112 (82.3%) ||
## || Running time : 0.04 minutes ||
## ||
## || Process BAM file lane7023_CGAGGCTG_TATCCTCT_cDNA190917_G8_594V_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 6586316 ||
## || Successfully assigned alignments : 5567476 (84.5%) ||
## || Running time : 0.09 minutes ||
## ||
## || Process BAM file lane7023_CGAGGCTG_TCTCTCCG_cDNA190917_A8_643Y_d0_L001 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 97916 ||
## || Successfully assigned alignments : 77674 (79.3%) ||
## || Running time : 0.01 minutes ||
## ||
## || Process BAM file lane7023_CGTACTAG_AAGGAGTA_cDNA190917_D2_627F_d0_L001 ... ||
## || WARNING: Paired-end reads were found. ||

```

```

## || Total alignments : 2494178 ||
## || Successfully assigned alignments : 2040644 (81.8%) ||
## || Running time : 0.04 minutes ||
## ||
## || Process BAM file lane7023_CGTACTAG_ACTGCATA_cDNA190917_E2_627F_d0_L001 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 56160 ||
## || Successfully assigned alignments : 43283 (77.1%) ||
## || Running time : 0.01 minutes ||
## ||
## || Process BAM file lane7023_CGTACTAG_CGTCTAAT_cDNA190917_B2_627F_d0_L001 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 654246 ||
## || Successfully assigned alignments : 515815 (78.8%) ||
## || Running time : 0.02 minutes ||
## ||
## || Process BAM file lane7023_CGTACTAG_CTAAGCCT_cDNA190917_C2_627F_d0_L001 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 69538 ||
## || Successfully assigned alignments : 55563 (79.9%) ||
## || Running time : 0.01 minutes ||
## ||
## || Process BAM file lane7023_CGTACTAG_CTCTCTAT_cDNA190917_H2_627F_d0_L001 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 2576 ||
## || Successfully assigned alignments : 1679 (65.2%) ||
## || Running time : 0.00 minutes ||
## ||
## || Process BAM file lane7023_CGTACTAG_GTAAGGAG_cDNA190917_F2_627F_d0_L001 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 1848976 ||
## || Successfully assigned alignments : 1520733 (82.2%) ||
## || Running time : 0.03 minutes ||
## ||
## || Process BAM file lane7023_CGTACTAG_TATCCTCT_cDNA190917_G2_627F_d0_L001 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 810182 ||
## || Successfully assigned alignments : 666961 (82.3%) ||
## || Running time : 0.02 minutes ||
## ||
## || Process BAM file lane7023_CGTACTAG_TCTCTCCG_cDNA190917_A2_627F_d0_L001 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 925068 ||
## || Successfully assigned alignments : 740125 (80.0%) ||
## || Running time : 0.03 minutes ||
## ||
## || Process BAM file lane7023_CTCTCTAC_AAGGAGTA_cDNA190917_D7_643Y_d0_L001 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 168 ||
## || Successfully assigned alignments : 10 (6.0%) ||
## || Running time : 0.00 minutes ||
## ||
## || Process BAM file lane7023_CTCTCTAC_ACTGCATA_cDNA190917_E7_594V_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||

```



```

## || Total alignments : 1021486 ||
## || Successfully assigned alignments : 851196 (83.3%) ||
## || Running time : 0.03 minutes ||
## ||
## || Process BAM file lane7023_CTCTCTAC_CGTCTAAT_cDNA190917_B7_643Y_d0_L001 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 11798 ||
## || Successfully assigned alignments : 9511 (80.6%) ||
## || Running time : 0.00 minutes ||
## ||
## || Process BAM file lane7023_CTCTCTAC_CTAAGCCT_cDNA190917_C7_643Y_d0_L001 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 16798 ||
## || Successfully assigned alignments : 12712 (75.7%) ||
## || Running time : 0.00 minutes ||
## ||
## || Process BAM file lane7023_CTCTCTAC_CTCTCTAT_cDNA190917_H7_594V_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 3171500 ||
## || Successfully assigned alignments : 2269018 (71.5%) ||
## || Running time : 0.05 minutes ||
## ||
## || Process BAM file lane7023_CTCTCTAC_GTAAGGAG_cDNA190917_F7_594V_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 3831020 ||
## || Successfully assigned alignments : 3221515 (84.1%) ||
## || Running time : 0.06 minutes ||
## ||
## || Process BAM file lane7023_CTCTCTAC_TATCCTCT_cDNA190917_G7_594V_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 2677226 ||
## || Successfully assigned alignments : 2154941 (80.5%) ||
## || Running time : 0.05 minutes ||
## ||
## || Process BAM file lane7023_CTCTCTAC_TCTCTCCG_cDNA190917_A7_643Y_d0_L001 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 209744 ||
## || Successfully assigned alignments : 169431 (80.8%) ||
## || Running time : 0.01 minutes ||
## ||
## || Process BAM file lane7023_GCTCATGA_AAGGAGTA_cDNA190917_D11_627F_d42_L0 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 126 ||
## || Successfully assigned alignments : 8 (6.3%) ||
## || Running time : 0.00 minutes ||
## ||
## || Process BAM file lane7023_GCTCATGA_ACTGCATA_cDNA190917_E11_627F_d42_L0 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 246 ||
## || Successfully assigned alignments : 19 (7.7%) ||
## || Running time : 0.00 minutes ||
## ||
## || Process BAM file lane7023_GCTCATGA_CGTCTAAT_cDNA190917_B11_643Y_d42_L0 ... ||
## || WARNING: Paired-end reads were found. ||

```

```

## || Total alignments : 6966060 ||
## || Successfully assigned alignments : 5481312 (78.7%) ||
## || Running time : 0.09 minutes ||
## ||
## || Process BAM file lane7023_GCTCATGA_CTAAGCCT_cDNA190917_C11_643Y_d42_L0 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 35442 ||
## || Successfully assigned alignments : 1417 (4.0%) ||
## || Running time : 0.00 minutes ||
## ||
## || Process BAM file lane7023_GCTCATGA_CTCTCTAT_cDNA190917_H11_594V_d0_L00 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 81252 ||
## || Successfully assigned alignments : 69495 (85.5%) ||
## || Running time : 0.01 minutes ||
## ||
## || Process BAM file lane7023_GCTCATGA_GTAAGGAG_cDNA190917_F11_627F_d42_L0 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 2052014 ||
## || Successfully assigned alignments : 1531970 (74.7%) ||
## || Running time : 0.04 minutes ||
## ||
## || Process BAM file lane7023_GCTCATGA_TATCCTCT_cDNA190917_G11_627F_d42_L0 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 3597640 ||
## || Successfully assigned alignments : 2959810 (82.3%) ||
## || Running time : 0.06 minutes ||
## ||
## || Process BAM file lane7023_GCTCATGA_TCTCTCCG_cDNA190917_A11_643Y_d42_L0 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 51520 ||
## || Successfully assigned alignments : 41251 (80.1%) ||
## || Running time : 0.01 minutes ||
## ||
## || Process BAM file lane7023_GGACTCCT_AAGGAGTA_cDNA190917_D5_627F_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 772934 ||
## || Successfully assigned alignments : 639346 (82.7%) ||
## || Running time : 0.02 minutes ||
## ||
## || Process BAM file lane7023_GGACTCCT_ACTGCATA_cDNA190917_E5_627F_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 3995806 ||
## || Successfully assigned alignments : 3424304 (85.7%) ||
## || Running time : 0.06 minutes ||
## ||
## || Process BAM file lane7023_GGACTCCT_CGTCTAAT_cDNA190917_B5_627F_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 491818 ||
## || Successfully assigned alignments : 366163 (74.5%) ||
## || Running time : 0.02 minutes ||
## ||
## || Process BAM file lane7023_GGACTCCT_CTAAGCCT_cDNA190917_C5_627F_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||

```

```

## || Total alignments : 2810 ||
## || Successfully assigned alignments : 2209 (78.6%) ||
## || Running time : 0.00 minutes ||
## ||
## || Process BAM file lane7023_GGACTCCT_CTCTCTAT_cDNA190917_H5_627F_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 788034 ||
## || Successfully assigned alignments : 622098 (78.9%) ||
## || Running time : 0.02 minutes ||
## ||
## || Process BAM file lane7023_GGACTCCT_GTAAGGAG_cDNA190917_F5_627F_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 866766 ||
## || Successfully assigned alignments : 735911 (84.9%) ||
## || Running time : 0.03 minutes ||
## ||
## || Process BAM file lane7023_GGACTCCT_TATCCTCT_cDNA190917_G5_627F_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 4098864 ||
## || Successfully assigned alignments : 3389763 (82.7%) ||
## || Running time : 0.06 minutes ||
## ||
## || Process BAM file lane7023_GGACTCCT_TCTCTCCG_cDNA190917_A5_627F_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 38998 ||
## || Successfully assigned alignments : 31066 (79.7%) ||
## || Running time : 0.00 minutes ||
## ||
## || Process BAM file lane7023_GTAGAGGA_AAGGAGTA_cDNA190917_D10_627F_d42_L0 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 4816076 ||
## || Successfully assigned alignments : 3557460 (73.9%) ||
## || Running time : 0.07 minutes ||
## ||
## || Process BAM file lane7023_GTAGAGGA_ACTGCATA_cDNA190917_E10_627F_d42_L0 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 19622 ||
## || Successfully assigned alignments : 14749 (75.2%) ||
## || Running time : 0.00 minutes ||
## ||
## || Process BAM file lane7023_GTAGAGGA_CGTCTAAT_cDNA190917_B10_643Y_d42_L0 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 1224676 ||
## || Successfully assigned alignments : 905039 (73.9%) ||
## || Running time : 0.03 minutes ||
## ||
## || Process BAM file lane7023_GTAGAGGA_CTAAGCCT_cDNA190917_C10_643Y_d42_L0 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 1181086 ||
## || Successfully assigned alignments : 903115 (76.5%) ||
## || Running time : 0.03 minutes ||
## ||
## || Process BAM file lane7023_GTAGAGGA_CTCTCTAT_cDNA190917_H10_594V_d0_L00 ... ||
## || WARNING: Paired-end reads were found. ||

```

```

## || Total alignments : 4819630 ||
## || Successfully assigned alignments : 4123606 (85.6%) ||
## || Running time : 0.06 minutes ||
## ||
## || Process BAM file lane7023_GTAGAGGA_GTAAGGAG_cDNA190917_F10_627F_d42_LO ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 1267966 ||
## || Successfully assigned alignments : 964812 (76.1%) ||
## || Running time : 0.03 minutes ||
## ||
## || Process BAM file lane7023_GTAGAGGA_TATCCTCT_cDNA190917_G10_627F_d42_LO ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 1639704 ||
## || Successfully assigned alignments : 1220930 (74.5%) ||
## || Running time : 0.04 minutes ||
## ||
## || Process BAM file lane7023_GTAGAGGA_TCTCTCCG_cDNA190917_A10_643Y_d42_LO ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 8783886 ||
## || Successfully assigned alignments : 6795350 (77.4%) ||
## || Running time : 0.11 minutes ||
## ||
## || Process BAM file lane7023_TAAGGCGA_AAGGAGTA_cDNA190917_D1_627F_d0_LO01 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 2994808 ||
## || Successfully assigned alignments : 2472265 (82.6%) ||
## || Running time : 0.05 minutes ||
## ||
## || Process BAM file lane7023_TAAGGCGA_ACTGCATA_cDNA190917_E1_627F_d0_LO01 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 179526 ||
## || Successfully assigned alignments : 147461 (82.1%) ||
## || Running time : 0.01 minutes ||
## ||
## || Process BAM file lane7023_TAAGGCGA_CGTCTAAT_cDNA190917_B1_627F_d0_LO01 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 6241074 ||
## || Successfully assigned alignments : 5319649 (85.2%) ||
## || Running time : 0.08 minutes ||
## ||
## || Process BAM file lane7023_TAAGGCGA_CTAAGCCT_cDNA190917_C1_627F_d0_LO01 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 1272114 ||
## || Successfully assigned alignments : 1070274 (84.1%) ||
## || Running time : 0.03 minutes ||
## ||
## || Process BAM file lane7023_TAAGGCGA_CTCTCTAT_cDNA190917_H1_627F_d0_LO01 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 4738 ||
## || Successfully assigned alignments : 3789 (80.0%) ||
## || Running time : 0.00 minutes ||
## ||
## || Process BAM file lane7023_TAAGGCGA_GTAAGGAG_cDNA190917_F1_627F_d0_LO01 ... ||
## || WARNING: Paired-end reads were found. ||

```

```

## || Total alignments : 2592328 ||
## || Successfully assigned alignments : 2295885 (88.6%) ||
## || Running time : 0.04 minutes ||
## ||
## || Process BAM file lane7023_TAAGGCGA_TATCTCT_cDNA190917_G1_627F_d0_L001 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 1157456 ||
## || Successfully assigned alignments : 994672 (85.9%) ||
## || Running time : 0.03 minutes ||
## ||
## || Process BAM file lane7023_TAAGGCGA_TCTCTCCG_cDNA190917_A1_627F_d0_L001 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 4518 ||
## || Successfully assigned alignments : 2965 (65.6%) ||
## || Running time : 0.00 minutes ||
## ||
## || Process BAM file lane7023_TAGGCATG_AAGGAGTA_cDNA190917_D6_627F_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 4213632 ||
## || Successfully assigned alignments : 3559993 (84.5%) ||
## || Running time : 0.06 minutes ||
## ||
## || Process BAM file lane7023_TAGGCATG_ACTGCATA_cDNA190917_E6_627F_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 658746 ||
## || Successfully assigned alignments : 510090 (77.4%) ||
## || Running time : 0.02 minutes ||
## ||
## || Process BAM file lane7023_TAGGCATG_CGTCTAAT_cDNA190917_B6_627F_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 592196 ||
## || Successfully assigned alignments : 457032 (77.2%) ||
## || Running time : 0.02 minutes ||
## ||
## || Process BAM file lane7023_TAGGCATG_CTAAGCCT_cDNA190917_C6_627F_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 61140 ||
## || Successfully assigned alignments : 47149 (77.1%) ||
## || Running time : 0.01 minutes ||
## ||
## || Process BAM file lane7023_TAGGCATG_CTCTCTAT_cDNA190917_H6_627F_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 40522 ||
## || Successfully assigned alignments : 33527 (82.7%) ||
## || Running time : 0.01 minutes ||
## ||
## || Process BAM file lane7023_TAGGCATG_GTAAGGAG_cDNA190917_F6_627F_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 280366 ||
## || Successfully assigned alignments : 230146 (82.1%) ||
## || Running time : 0.02 minutes ||
## ||
## || Process BAM file lane7023_TAGGCATG_TATCTCT_cDNA190917_G6_627F_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||

```

```

## || Total alignments : 3318574 ||
## || Successfully assigned alignments : 2597839 (78.3%) ||
## || Running time : 0.05 minutes ||
## ||
## || Process BAM file lane7023_TAGGCATG_TCTCTCCG_cDNA190917_A6_627F_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 6156776 ||
## || Successfully assigned alignments : 5127474 (83.3%) ||
## || Running time : 0.08 minutes ||
## ||
## || Process BAM file lane7023_TCCTGAGC_AAGGAGTA_cDNA190917_D4_627F_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 323606 ||
## || Successfully assigned alignments : 253168 (78.2%) ||
## || Running time : 0.02 minutes ||
## ||
## || Process BAM file lane7023_TCCTGAGC_ACTGCATA_cDNA190917_E4_627F_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 3567186 ||
## || Successfully assigned alignments : 3066373 (86.0%) ||
## || Running time : 0.05 minutes ||
## ||
## || Process BAM file lane7023_TCCTGAGC_CGTCTAAT_cDNA190917_B4_627F_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 761944 ||
## || Successfully assigned alignments : 578597 (75.9%) ||
## || Running time : 0.02 minutes ||
## ||
## || Process BAM file lane7023_TCCTGAGC_CTAAGCCT_cDNA190917_C4_627F_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 635480 ||
## || Successfully assigned alignments : 416805 (65.6%) ||
## || Running time : 0.02 minutes ||
## ||
## || Process BAM file lane7023_TCCTGAGC_CTCTCTAT_cDNA190917_H4_627F_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 830 ||
## || Successfully assigned alignments : 501 (60.4%) ||
## || Running time : 0.00 minutes ||
## ||
## || Process BAM file lane7023_TCCTGAGC_GTAAGGAG_cDNA190917_F4_627F_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 779720 ||
## || Successfully assigned alignments : 630096 (80.8%) ||
## || Running time : 0.02 minutes ||
## ||
## || Process BAM file lane7023_TCCTGAGC_TATCCTCT_cDNA190917_G4_627F_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 4359054 ||
## || Successfully assigned alignments : 3777163 (86.7%) ||
## || Running time : 0.07 minutes ||
## ||
## || Process BAM file lane7023_TCCTGAGC_TCTCTCCG_cDNA190917_A4_627F_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||

```

```

## || Total alignments : 2888004 ||
## || Successfully assigned alignments : 2280312 (79.0%) ||
## || Running time : 0.05 minutes ||
## ||
## || Process BAM file lane7035_AAGAGGCA_AAGGAGTA_cDNA190919_D9_568R_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 2184726 ||
## || Successfully assigned alignments : 1767159 (80.9%) ||
## || Running time : 0.05 minutes ||
## ||
## || Process BAM file lane7035_AAGAGGCA_ACTGCATA_cDNA190919_E9_568R_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 1945558 ||
## || Successfully assigned alignments : 1620077 (83.3%) ||
## || Running time : 0.04 minutes ||
## ||
## || Process BAM file lane7035_AAGAGGCA_CGTCTAAT_cDNA190919_B9_568R_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 4958240 ||
## || Successfully assigned alignments : 4065222 (82.0%) ||
## || Running time : 0.08 minutes ||
## ||
## || Process BAM file lane7035_AAGAGGCA_CTAAGCCT_cDNA190919_C9_568R_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 2058418 ||
## || Successfully assigned alignments : 1640013 (79.7%) ||
## || Running time : 0.04 minutes ||
## ||
## || Process BAM file lane7035_AAGAGGCA_CTCTCTAT_cDNA190919_H9_568R_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 3333600 ||
## || Successfully assigned alignments : 2736370 (82.1%) ||
## || Running time : 0.05 minutes ||
## ||
## || Process BAM file lane7035_AAGAGGCA_GTAAGGAG_cDNA190919_F9_568R_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 3305776 ||
## || Successfully assigned alignments : 2618488 (79.2%) ||
## || Running time : 0.06 minutes ||
## ||
## || Process BAM file lane7035_AAGAGGCA_TATCCTCT_cDNA190919_G9_568R_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 3415012 ||
## || Successfully assigned alignments : 2818882 (82.5%) ||
## || Running time : 0.05 minutes ||
## ||
## || Process BAM file lane7035_AAGAGGCA_TCTCTCCG_cDNA190919_A9_568R_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 705564 ||
## || Successfully assigned alignments : 546455 (77.4%) ||
## || Running time : 0.02 minutes ||
## ||
## || Process BAM file lane7035_AGGCAGAA_AAGGAGTA_cDNA190919_D3_536G_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||

```

```

## || Total alignments : 1310040 ||
## || Successfully assigned alignments : 1084599 (82.8%) ||
## || Running time : 0.03 minutes ||
## ||
## || Process BAM file lane7035_AGGCAGAA_ACTGCATA_cDNA190919_E3_536G_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 8 ||
## || Successfully assigned alignments : 4 (50.0%) ||
## || Running time : 0.00 minutes ||
## ||
## || Process BAM file lane7035_AGGCAGAA_CGTCTAAT_cDNA190919_B3_536G_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 2202816 ||
## || Successfully assigned alignments : 1843521 (83.7%) ||
## || Running time : 0.04 minutes ||
## ||
## || Process BAM file lane7035_AGGCAGAA_CTAAGCCT_cDNA190919_C3_536G_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 1056812 ||
## || Successfully assigned alignments : 814338 (77.1%) ||
## || Running time : 0.03 minutes ||
## ||
## || Process BAM file lane7035_AGGCAGAA_CTCTCTAT_cDNA190919_H3_536G_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 1029638 ||
## || Successfully assigned alignments : 810361 (78.7%) ||
## || Running time : 0.03 minutes ||
## ||
## || Process BAM file lane7035_AGGCAGAA_GTAAGGAG_cDNA190919_F3_536G_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 1994960 ||
## || Successfully assigned alignments : 1659143 (83.2%) ||
## || Running time : 0.04 minutes ||
## ||
## || Process BAM file lane7035_AGGCAGAA_TATCCTCT_cDNA190919_G3_536G_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 1425412 ||
## || Successfully assigned alignments : 1218353 (85.5%) ||
## || Running time : 0.03 minutes ||
## ||
## || Process BAM file lane7035_AGGCAGAA_TCTCTCCG_cDNA190919_A3_536G_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 1076940 ||
## || Successfully assigned alignments : 896625 (83.3%) ||
## || Running time : 0.03 minutes ||
## ||
## || Process BAM file lane7035_ATCTCAGG_AAGGAGTA_cDNA190919_D12_568R_d42_L0 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 1931160 ||
## || Successfully assigned alignments : 1317122 (68.2%) ||
## || Running time : 0.03 minutes ||
## ||
## || Process BAM file lane7035_ATCTCAGG_ACTGCATA_cDNA190919_E12_568R_d42_L0 ... ||
## || WARNING: Paired-end reads were found. ||

```



```

## || Total alignments : 1856370 ||
## || Successfully assigned alignments : 1356882 (73.1%) ||
## || Running time : 0.04 minutes ||
## ||
## || Process BAM file lane7035_ATCTCAGG_CGTCTAAT_cDNA190919_B12_568R_d42_L0 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 3809410 ||
## || Successfully assigned alignments : 3061369 (80.4%) ||
## || Running time : 0.06 minutes ||
## ||
## || Process BAM file lane7035_ATCTCAGG_CTAAGCCT_cDNA190919_C12_568R_d42_L0 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 6108440 ||
## || Successfully assigned alignments : 4639725 (76.0%) ||
## || Running time : 0.08 minutes ||
## ||
## || Process BAM file lane7035_ATCTCAGG_CTCTCTAT_cDNA190919_H12_568R_d42_L0 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 3078082 ||
## || Successfully assigned alignments : 2563155 (83.3%) ||
## || Running time : 0.05 minutes ||
## ||
## || Process BAM file lane7035_ATCTCAGG_GTAAGGAG_cDNA190919_F12_568R_d42_L0 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 4373336 ||
## || Successfully assigned alignments : 3461733 (79.2%) ||
## || Running time : 0.06 minutes ||
## ||
## || Process BAM file lane7035_ATCTCAGG_TATCCTCT_cDNA190919_G12_568R_d42_L0 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 7452860 ||
## || Successfully assigned alignments : 6089985 (81.7%) ||
## || Running time : 0.10 minutes ||
## ||
## || Process BAM file lane7035_ATCTCAGG_TCTCTCCG_cDNA190919_A12_568R_d42_L0 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 5517586 ||
## || Successfully assigned alignments : 4523572 (82.0%) ||
## || Running time : 0.08 minutes ||
## ||
## || Process BAM file lane7035_CGAGGCTG_AAGGAGTA_cDNA190919_D8_568R_d0_L001 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 1481216 ||
## || Successfully assigned alignments : 1217669 (82.2%) ||
## || Running time : 0.04 minutes ||
## ||
## || Process BAM file lane7035_CGAGGCTG_ACTGCATA_cDNA190919_E8_568R_d0_L001 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 2026102 ||
## || Successfully assigned alignments : 1682518 (83.0%) ||
## || Running time : 0.04 minutes ||
## ||
## || Process BAM file lane7035_CGAGGCTG_CGTCTAAT_cDNA190919_B8_568R_d0_L001 ... ||
## || WARNING: Paired-end reads were found. ||

```

```

## || Total alignments : 1978470 ||
## || Successfully assigned alignments : 1601700 (81.0%) ||
## || Running time : 0.04 minutes ||
## ||
## || Process BAM file lane7035_CGAGGCTG_CTAAGCCT_cDNA190919_C8_568R_d0_L001 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 1999078 ||
## || Successfully assigned alignments : 1642447 (82.2%) ||
## || Running time : 0.04 minutes ||
## ||
## || Process BAM file lane7035_CGAGGCTG_CTCTCTAT_cDNA190919_H8_568R_d0_L001 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 2743824 ||
## || Successfully assigned alignments : 2284746 (83.3%) ||
## || Running time : 0.04 minutes ||
## ||
## || Process BAM file lane7035_CGAGGCTG_GTAAGGAG_cDNA190919_F8_568R_d0_L001 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 1755420 ||
## || Successfully assigned alignments : 1459944 (83.2%) ||
## || Running time : 0.03 minutes ||
## ||
## || Process BAM file lane7035_CGAGGCTG_TATCCTCT_cDNA190919_G8_568R_d0_L001 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 2297308 ||
## || Successfully assigned alignments : 1935600 (84.3%) ||
## || Running time : 0.04 minutes ||
## ||
## || Process BAM file lane7035_CGAGGCTG_TCTCTCCG_cDNA190919_A8_568R_d0_L001 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 3936608 ||
## || Successfully assigned alignments : 3353897 (85.2%) ||
## || Running time : 0.06 minutes ||
## ||
## || Process BAM file lane7035_CGTACTAG_AAGGAGTA_cDNA190919_D2_536G_d0_L001 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 1464154 ||
## || Successfully assigned alignments : 1174357 (80.2%) ||
## || Running time : 0.03 minutes ||
## ||
## || Process BAM file lane7035_CGTACTAG_ACTGCATA_cDNA190919_E2_536G_d0_L001 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 589460 ||
## || Successfully assigned alignments : 464395 (78.8%) ||
## || Running time : 0.02 minutes ||
## ||
## || Process BAM file lane7035_CGTACTAG_CGTCTAAT_cDNA190919_B2_536G_d0_L001 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 653140 ||
## || Successfully assigned alignments : 544044 (83.3%) ||
## || Running time : 0.02 minutes ||
## ||
## || Process BAM file lane7035_CGTACTAG_CTAAGCCT_cDNA190919_C2_536G_d0_L001 ... ||
## || WARNING: Paired-end reads were found. ||

```

```

## || Total alignments : 1862732 ||
## || Successfully assigned alignments : 1466138 (78.7%) ||
## || Running time : 0.04 minutes ||
## ||
## || Process BAM file lane7035_CGTACTAG_CTCTCTAT_cDNA190919_H2_559G_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 1462436 ||
## || Successfully assigned alignments : 1008080 (68.9%) ||
## || Running time : 0.04 minutes ||
## ||
## || Process BAM file lane7035_CGTACTAG_GTAAGGAG_cDNA190919_F2_559G_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 714510 ||
## || Successfully assigned alignments : 520104 (72.8%) ||
## || Running time : 0.03 minutes ||
## ||
## || Process BAM file lane7035_CGTACTAG_TATCCTCT_cDNA190919_G2_559G_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 259874 ||
## || Successfully assigned alignments : 172111 (66.2%) ||
## || Running time : 0.02 minutes ||
## ||
## || Process BAM file lane7035_CGTACTAG_TCTCTCCG_cDNA190919_A2_536G_d0_L001 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 1098210 ||
## || Successfully assigned alignments : 949059 (86.4%) ||
## || Running time : 0.03 minutes ||
## ||
## || Process BAM file lane7035_CTCTCTAC_AAGGAGTA_cDNA190919_D7_568R_d0_L001 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 1843704 ||
## || Successfully assigned alignments : 1460046 (79.2%) ||
## || Running time : 0.04 minutes ||
## ||
## || Process BAM file lane7035_CTCTCTAC_ACTGCATA_cDNA190919_E7_568R_d0_L001 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 2366464 ||
## || Successfully assigned alignments : 1980580 (83.7%) ||
## || Running time : 0.05 minutes ||
## ||
## || Process BAM file lane7035_CTCTCTAC_CGTCTAAT_cDNA190919_B7_568R_d0_L001 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 2540442 ||
## || Successfully assigned alignments : 2121198 (83.5%) ||
## || Running time : 0.04 minutes ||
## ||
## || Process BAM file lane7035_CTCTCTAC_CTAAGCCT_cDNA190919_C7_568R_d0_L001 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 2736444 ||
## || Successfully assigned alignments : 2195407 (80.2%) ||
## || Running time : 0.05 minutes ||
## ||
## || Process BAM file lane7035_CTCTCTAC_CTCTCTAT_cDNA190919_H7_568R_d0_L001 ... ||
## || WARNING: Paired-end reads were found. ||

```

```

## || Total alignments : 2237276 ||
## || Successfully assigned alignments : 1824573 (81.6%) ||
## || Running time : 0.05 minutes ||
## ||
## || Process BAM file lane7035_CTCTCTAC_GTAAGGAG_cDNA190919_F7_568R_d0_L001 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 1549624 ||
## || Successfully assigned alignments : 1266004 (81.7%) ||
## || Running time : 0.05 minutes ||
## ||
## || Process BAM file lane7035_CTCTCTAC_TATCCTCT_cDNA190919_G7_568R_d0_L001 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 2585354 ||
## || Successfully assigned alignments : 2060036 (79.7%) ||
## || Running time : 0.05 minutes ||
## ||
## || Process BAM file lane7035_CTCTCTAC_TCTCTCCG_cDNA190919_A7_568R_d0_L001 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 1789862 ||
## || Successfully assigned alignments : 1496086 (83.6%) ||
## || Running time : 0.04 minutes ||
## ||
## || Process BAM file lane7035_GCTCATGA_AAGGAGTA_cDNA190919_D11_568R_d42_L0 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 2503156 ||
## || Successfully assigned alignments : 1956968 (78.2%) ||
## || Running time : 0.05 minutes ||
## ||
## || Process BAM file lane7035_GCTCATGA_ACTGCATA_cDNA190919_E11_568R_d42_L0 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 3093360 ||
## || Successfully assigned alignments : 2651881 (85.7%) ||
## || Running time : 0.06 minutes ||
## ||
## || Process BAM file lane7035_GCTCATGA_CGTCTAAT_cDNA190919_B11_568R_d42_L0 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 4120530 ||
## || Successfully assigned alignments : 3082053 (74.8%) ||
## || Running time : 0.06 minutes ||
## ||
## || Process BAM file lane7035_GCTCATGA_CTAAGCCT_cDNA190919_C11_568R_d42_L0 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 4735964 ||
## || Successfully assigned alignments : 3826808 (80.8%) ||
## || Running time : 0.06 minutes ||
## ||
## || Process BAM file lane7035_GCTCATGA_CTCTCTAT_cDNA190919_H11_568R_d42_L0 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 7050094 ||
## || Successfully assigned alignments : 5877918 (83.4%) ||
## || Running time : 0.09 minutes ||
## ||
## || Process BAM file lane7035_GCTCATGA_GTAAGGAG_cDNA190919_F11_568R_d42_L0 ... ||
## || WARNING: Paired-end reads were found. ||

```

```

## || Total alignments : 3555976 ||
## || Successfully assigned alignments : 2876998 (80.9%) ||
## || Running time : 0.06 minutes ||
## ||
## || Process BAM file lane7035_GCTCATGA_TATCTCT_cDNA190919_G11_568R_d42_L0 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 3772472 ||
## || Successfully assigned alignments : 3166634 (83.9%) ||
## || Running time : 0.06 minutes ||
## ||
## || Process BAM file lane7035_GCTCATGA_TCTCTCCG_cDNA190919_A11_568R_d42_L0 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 4716214 ||
## || Successfully assigned alignments : 3745470 (79.4%) ||
## || Running time : 0.07 minutes ||
## ||
## || Process BAM file lane7035_GGACTCCT_AAGGAGTA_cDNA190919_D5_536G_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 1517496 ||
## || Successfully assigned alignments : 1214493 (80.0%) ||
## || Running time : 0.03 minutes ||
## ||
## || Process BAM file lane7035_GGACTCCT_ACTGCATA_cDNA190919_E5_536G_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 1463416 ||
## || Successfully assigned alignments : 1207779 (82.5%) ||
## || Running time : 0.03 minutes ||
## ||
## || Process BAM file lane7035_GGACTCCT_CGTCTAAT_cDNA190919_B5_536G_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 2240956 ||
## || Successfully assigned alignments : 1848646 (82.5%) ||
## || Running time : 0.04 minutes ||
## ||
## || Process BAM file lane7035_GGACTCCT_CTAAGCCT_cDNA190919_C5_536G_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 1834518 ||
## || Successfully assigned alignments : 1512964 (82.5%) ||
## || Running time : 0.03 minutes ||
## ||
## || Process BAM file lane7035_GGACTCCT_CTCTCTAT_cDNA190919_H5_536G_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 2760042 ||
## || Successfully assigned alignments : 2287775 (82.9%) ||
## || Running time : 0.05 minutes ||
## ||
## || Process BAM file lane7035_GGACTCCT_GTAAGGAG_cDNA190919_F5_536G_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 1556592 ||
## || Successfully assigned alignments : 1271842 (81.7%) ||
## || Running time : 0.04 minutes ||
## ||
## || Process BAM file lane7035_GGACTCCT_TATCTCT_cDNA190919_G5_536G_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||

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```

## || Total alignments : 1946082 ||
## || Successfully assigned alignments : 1445604 (74.3%) ||
## || Running time : 0.04 minutes ||
## ||
## || Process BAM file lane7035_GGACTCCT_TCTCTCCG_cDNA190919_A5_536G_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 1962276 ||
## || Successfully assigned alignments : 1629126 (83.0%) ||
## || Running time : 0.04 minutes ||
## ||
## || Process BAM file lane7035_GTAGAGGA_AAGGAGTA_cDNA190919_D10_568R_d42_L0 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 1510406 ||
## || Successfully assigned alignments : 1136263 (75.2%) ||
## || Running time : 0.04 minutes ||
## ||
## || Process BAM file lane7035_GTAGAGGA_ACTGCATA_cDNA190919_E10_568R_d42_L0 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 3001092 ||
## || Successfully assigned alignments : 2451745 (81.7%) ||
## || Running time : 0.05 minutes ||
## ||
## || Process BAM file lane7035_GTAGAGGA_CGTCTAAT_cDNA190919_B10_568R_d42_L0 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 6248322 ||
## || Successfully assigned alignments : 5056763 (80.9%) ||
## || Running time : 0.08 minutes ||
## ||
## || Process BAM file lane7035_GTAGAGGA_CTAAGCCT_cDNA190919_C10_568R_d42_L0 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 2204152 ||
## || Successfully assigned alignments : 1760108 (79.9%) ||
## || Running time : 0.04 minutes ||
## ||
## || Process BAM file lane7035_GTAGAGGA_CTCTCTAT_cDNA190919_H10_568R_d42_L0 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 4118184 ||
## || Successfully assigned alignments : 3366376 (81.7%) ||
## || Running time : 0.06 minutes ||
## ||
## || Process BAM file lane7035_GTAGAGGA_GTAAGGAG_cDNA190919_F10_568R_d42_L0 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 3165348 ||
## || Successfully assigned alignments : 2582280 (81.6%) ||
## || Running time : 0.05 minutes ||
## ||
## || Process BAM file lane7035_GTAGAGGA_TATCCTCT_cDNA190919_G10_568R_d42_L0 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 5358210 ||
## || Successfully assigned alignments : 4516965 (84.3%) ||
## || Running time : 0.08 minutes ||
## ||
## || Process BAM file lane7035_GTAGAGGA_TCTCTCCG_cDNA190919_A10_568R_d42_L0 ... ||
## || WARNING: Paired-end reads were found. ||

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```

## || Total alignments : 3591022 ||
## || Successfully assigned alignments : 2916254 (81.2%) ||
## || Running time : 0.06 minutes ||
## ||
## || Process BAM file lane7035_TAAGGCGA_AAGGAGTA_cDNA190919_D1_536G_d0_L001 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 1318942 ||
## || Successfully assigned alignments : 1074784 (81.5%) ||
## || Running time : 0.02 minutes ||
## ||
## || Process BAM file lane7035_TAAGGCGA_ACTGCATA_cDNA190919_E1_536G_d0_L001 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 806190 ||
## || Successfully assigned alignments : 676961 (84.0%) ||
## || Running time : 0.02 minutes ||
## ||
## || Process BAM file lane7035_TAAGGCGA_CGTCTAAT_cDNA190919_B1_536G_d0_L001 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 2605570 ||
## || Successfully assigned alignments : 2200862 (84.5%) ||
## || Running time : 0.05 minutes ||
## ||
## || Process BAM file lane7035_TAAGGCGA_CTAAGCCT_cDNA190919_C1_536G_d0_L001 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 1176026 ||
## || Successfully assigned alignments : 884101 (75.2%) ||
## || Running time : 0.03 minutes ||
## ||
## || Process BAM file lane7035_TAAGGCGA_CTCTCTAT_cDNA190919_H1_559G_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 1986264 ||
## || Successfully assigned alignments : 1377289 (69.3%) ||
## || Running time : 0.04 minutes ||
## ||
## || Process BAM file lane7035_TAAGGCGA_GTAAGGAG_cDNA190919_F1_559G_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 235722 ||
## || Successfully assigned alignments : 160518 (68.1%) ||
## || Running time : 0.02 minutes ||
## ||
## || Process BAM file lane7035_TAAGGCGA_TATCCTCT_cDNA190919_G1_559G_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 731370 ||
## || Successfully assigned alignments : 516723 (70.7%) ||
## || Running time : 0.02 minutes ||
## ||
## || Process BAM file lane7035_TAAGGCGA_TCTCTCCG_cDNA190919_A1_536G_d0_L001 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 868458 ||
## || Successfully assigned alignments : 735001 (84.6%) ||
## || Running time : 0.03 minutes ||
## ||
## || Process BAM file lane7035_TAGGCATG_AAGGAGTA_cDNA190919_D6_536G_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||

```

```

## || Total alignments : 1977220 ||
## || Successfully assigned alignments : 1632840 (82.6%) ||
## || Running time : 0.04 minutes ||
## ||
## || Process BAM file lane7035_TAGGCATG_ACTGCATA_cDNA190919_E6_536G_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 1369118 ||
## || Successfully assigned alignments : 1127901 (82.4%) ||
## || Running time : 0.03 minutes ||
## ||
## || Process BAM file lane7035_TAGGCATG_CGTCTAAT_cDNA190919_B6_536G_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 3400358 ||
## || Successfully assigned alignments : 2811055 (82.7%) ||
## || Running time : 0.05 minutes ||
## ||
## || Process BAM file lane7035_TAGGCATG_CTAAGCCT_cDNA190919_C6_536G_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 2152238 ||
## || Successfully assigned alignments : 1823526 (84.7%) ||
## || Running time : 0.05 minutes ||
## ||
## || Process BAM file lane7035_TAGGCATG_CTCTCTAT_cDNA190919_H6_536G_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 1550934 ||
## || Successfully assigned alignments : 1251747 (80.7%) ||
## || Running time : 0.04 minutes ||
## ||
## || Process BAM file lane7035_TAGGCATG_GTAAGGAG_cDNA190919_F6_536G_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 726586 ||
## || Successfully assigned alignments : 604742 (83.2%) ||
## || Running time : 0.02 minutes ||
## ||
## || Process BAM file lane7035_TAGGCATG_TATCCTCT_cDNA190919_G6_536G_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 2182512 ||
## || Successfully assigned alignments : 1710230 (78.4%) ||
## || Running time : 0.04 minutes ||
## ||
## || Process BAM file lane7035_TAGGCATG_TCTCTCCG_cDNA190919_A6_536G_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 3252006 ||
## || Successfully assigned alignments : 2736007 (84.1%) ||
## || Running time : 0.05 minutes ||
## ||
## || Process BAM file lane7035_TCCTGAGC_AAGGAGTA_cDNA190919_D4_536G_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 417868 ||
## || Successfully assigned alignments : 350358 (83.8%) ||
## || Running time : 0.02 minutes ||
## ||
## || Process BAM file lane7035_TCCTGAGC_ACTGCATA_cDNA190919_E4_536G_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||

```



```

## || Total alignments : 1309680 ||
## || Successfully assigned alignments : 1084381 (82.8%) ||
## || Running time : 0.03 minutes ||
## ||
## || Process BAM file lane7035_TCCTGAGC_CGTCTAAT_cDNA190919_B4_536G_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 1818364 ||
## || Successfully assigned alignments : 1615132 (88.8%) ||
## || Running time : 0.04 minutes ||
## ||
## || Process BAM file lane7035_TCCTGAGC_CTAAGCCT_cDNA190919_C4_536G_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 1188612 ||
## || Successfully assigned alignments : 946215 (79.6%) ||
## || Running time : 0.03 minutes ||
## ||
## || Process BAM file lane7035_TCCTGAGC_CTCTCTAT_cDNA190919_H4_536G_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 255876 ||
## || Successfully assigned alignments : 210219 (82.2%) ||
## || Running time : 0.02 minutes ||
## ||
## || Process BAM file lane7035_TCCTGAGC_GTAAGGAG_cDNA190919_F4_536G_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 1261972 ||
## || Successfully assigned alignments : 1061666 (84.1%) ||
## || Running time : 0.03 minutes ||
## ||
## || Process BAM file lane7035_TCCTGAGC_TATCCTCT_cDNA190919_G4_536G_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 1397938 ||
## || Successfully assigned alignments : 1167704 (83.5%) ||
## || Running time : 0.03 minutes ||
## ||
## || Process BAM file lane7035_TCCTGAGC_TCTCTCCG_cDNA190919_A4_536G_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 2159700 ||
## || Successfully assigned alignments : 1801166 (83.4%) ||
## || Running time : 0.05 minutes ||
## ||
## || Process BAM file lane7043_AAGAGGCA_AAGGAGTA_cDNA190920_D9_602D_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 2912780 ||
## || Successfully assigned alignments : 2447737 (84.0%) ||
## || Running time : 0.05 minutes ||
## ||
## || Process BAM file lane7043_AAGAGGCA_ACTGCATA_cDNA190920_E9_602D_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 2110918 ||
## || Successfully assigned alignments : 1809767 (85.7%) ||
## || Running time : 0.05 minutes ||
## ||
## || Process BAM file lane7043_AAGAGGCA_CGTCTAAT_cDNA190920_B9_602D_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||

```

```

## || Total alignments : 4471042 ||
## || Successfully assigned alignments : 3708532 (82.9%) ||
## || Running time : 0.06 minutes ||
## ||
## || Process BAM file lane7043_AAGAGGCA_CTAAGCCT_cDNA190920_C9_602D_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 4031866 ||
## || Successfully assigned alignments : 3243347 (80.4%) ||
## || Running time : 0.06 minutes ||
## ||
## || Process BAM file lane7043_AAGAGGCA_CTCTCTAT_cDNA190920_H9_602D_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 2751752 ||
## || Successfully assigned alignments : 2430350 (88.3%) ||
## || Running time : 0.05 minutes ||
## ||
## || Process BAM file lane7043_AAGAGGCA_GTAAGGAG_cDNA190920_F9_602D_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 1989720 ||
## || Successfully assigned alignments : 1712889 (86.1%) ||
## || Running time : 0.04 minutes ||
## ||
## || Process BAM file lane7043_AAGAGGCA_TATCCTCT_cDNA190920_G9_602D_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 3124520 ||
## || Successfully assigned alignments : 2395581 (76.7%) ||
## || Running time : 0.05 minutes ||
## ||
## || Process BAM file lane7043_AAGAGGCA_TCTCTCCG_cDNA190920_A9_602D_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 3902234 ||
## || Successfully assigned alignments : 3396441 (87.0%) ||
## || Running time : 0.05 minutes ||
## ||
## || Process BAM file lane7043_AGGCAGAA_AAGGAGTA_cDNA190920_D3_541M_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 1321482 ||
## || Successfully assigned alignments : 1101770 (83.4%) ||
## || Running time : 0.04 minutes ||
## ||
## || Process BAM file lane7043_AGGCAGAA_ACTGCATA_cDNA190920_E3_541M_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 969042 ||
## || Successfully assigned alignments : 804783 (83.0%) ||
## || Running time : 0.03 minutes ||
## ||
## || Process BAM file lane7043_AGGCAGAA_CGTCTAAT_cDNA190920_B3_541M_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 2239124 ||
## || Successfully assigned alignments : 1873618 (83.7%) ||
## || Running time : 0.04 minutes ||
## ||
## || Process BAM file lane7043_AGGCAGAA_CTAAGCCT_cDNA190920_C3_541M_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||

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```

## || Total alignments : 1455784 ||
## || Successfully assigned alignments : 1236676 (84.9%) ||
## || Running time : 0.03 minutes ||
## ||
## || Process BAM file lane7043_AGGCAGAA_CTCTCTAT_cDNA190920_H3_541M_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 180 ||
## || Successfully assigned alignments : 92 (51.1%) ||
## || Running time : 0.00 minutes ||
## ||
## || Process BAM file lane7043_AGGCAGAA_GTAAGGAG_cDNA190920_F3_541M_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 941274 ||
## || Successfully assigned alignments : 800544 (85.0%) ||
## || Running time : 0.03 minutes ||
## ||
## || Process BAM file lane7043_AGGCAGAA_TATCCTCT_cDNA190920_G3_541M_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 545190 ||
## || Successfully assigned alignments : 413404 (75.8%) ||
## || Running time : 0.02 minutes ||
## ||
## || Process BAM file lane7043_AGGCAGAA_TCTCTCCG_cDNA190920_A3_541M_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 1711520 ||
## || Successfully assigned alignments : 1423106 (83.1%) ||
## || Running time : 0.03 minutes ||
## ||
## || Process BAM file lane7043_ATCTCAGG_AAGGAGTA_cDNA190920_D12_602D_d42_L0 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 7177142 ||
## || Successfully assigned alignments : 6176667 (86.1%) ||
## || Running time : 0.09 minutes ||
## ||
## || Process BAM file lane7043_ATCTCAGG_ACTGCATA_cDNA190920_E12_602D_d42_L0 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 4882882 ||
## || Successfully assigned alignments : 4159182 (85.2%) ||
## || Running time : 0.07 minutes ||
## ||
## || Process BAM file lane7043_ATCTCAGG_CGTCTAAT_cDNA190920_B12_602D_d42_L0 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 10480194 ||
## || Successfully assigned alignments : 9016579 (86.0%) ||
## || Running time : 0.13 minutes ||
## ||
## || Process BAM file lane7043_ATCTCAGG_CTAAGCCT_cDNA190920_C12_602D_d42_L0 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 8430806 ||
## || Successfully assigned alignments : 7249953 (86.0%) ||
## || Running time : 0.11 minutes ||
## ||
## || Process BAM file lane7043_ATCTCAGG_CTCTCTAT_cDNA190920_H12_602D_d42_L0 ... ||
## || WARNING: Paired-end reads were found. ||

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## || Total alignments : 5146932 ||
## || Successfully assigned alignments : 4378028 (85.1%) ||
## || Running time : 0.07 minutes ||
## ||
## || Process BAM file lane7043_ATCTCAGG_GTAAGGAG_cDNA190920_F12_602D_d42_L0 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 6233824 ||
## || Successfully assigned alignments : 5180548 (83.1%) ||
## || Running time : 0.09 minutes ||
## ||
## || Process BAM file lane7043_ATCTCAGG_TATCCTCT_cDNA190920_G12_602D_d42_L0 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 7087792 ||
## || Successfully assigned alignments : 6134393 (86.5%) ||
## || Running time : 0.09 minutes ||
## ||
## || Process BAM file lane7043_ATCTCAGG_TCTCTCCG_cDNA190920_A12_602D_d42_L0 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 6907290 ||
## || Successfully assigned alignments : 5953154 (86.2%) ||
## || Running time : 0.09 minutes ||
## ||
## || Process BAM file lane7043_CGAGGCTG_AAGGAGTA_cDNA190920_D8_562K_d0_L001 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 1756106 ||
## || Successfully assigned alignments : 1359044 (77.4%) ||
## || Running time : 0.03 minutes ||
## ||
## || Process BAM file lane7043_CGAGGCTG_ACTGCATA_cDNA190920_E8_562K_d0_L001 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 1569606 ||
## || Successfully assigned alignments : 1195865 (76.2%) ||
## || Running time : 0.03 minutes ||
## ||
## || Process BAM file lane7043_CGAGGCTG_CGTCTAAT_cDNA190920_B8_562K_d0_L001 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 1995700 ||
## || Successfully assigned alignments : 1442422 (72.3%) ||
## || Running time : 0.04 minutes ||
## ||
## || Process BAM file lane7043_CGAGGCTG_CTAAGCCT_cDNA190920_C8_562K_d0_L001 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 1147190 ||
## || Successfully assigned alignments : 802356 (69.9%) ||
## || Running time : 0.03 minutes ||
## ||
## || Process BAM file lane7043_CGAGGCTG_CTCTCTAT_cDNA190920_H8_562K_d0_L001 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 1862660 ||
## || Successfully assigned alignments : 1414256 (75.9%) ||
## || Running time : 0.04 minutes ||
## ||
## || Process BAM file lane7043_CGAGGCTG_GTAAGGAG_cDNA190920_F8_562K_d0_L001 ... ||
## || WARNING: Paired-end reads were found. ||

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## || Total alignments : 1188238 ||
## || Successfully assigned alignments : 873349 (73.5%) ||
## || Running time : 0.03 minutes ||
## ||
## || Process BAM file lane7043_CGAGGCTG_TATCTCT_cDNA190920_G8_562K_d0_L001 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 1553260 ||
## || Successfully assigned alignments : 1167661 (75.2%) ||
## || Running time : 0.03 minutes ||
## ||
## || Process BAM file lane7043_CGAGGCTG_TCTCTCCG_cDNA190920_A8_602D_d0_L001 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 2064170 ||
## || Successfully assigned alignments : 1753948 (85.0%) ||
## || Running time : 0.04 minutes ||
## ||
## || Process BAM file lane7043_CGTACTAG_AAGGAGTA_cDNA190920_D2_541M_d0_L001 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 1164936 ||
## || Successfully assigned alignments : 1012533 (86.9%) ||
## || Running time : 0.03 minutes ||
## ||
## || Process BAM file lane7043_CGTACTAG_ACTGCATA_cDNA190920_E2_541M_d0_L001 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 1092662 ||
## || Successfully assigned alignments : 886054 (81.1%) ||
## || Running time : 0.03 minutes ||
## ||
## || Process BAM file lane7043_CGTACTAG_CGTCTAAT_cDNA190920_B2_541M_d0_L001 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 2907406 ||
## || Successfully assigned alignments : 2461455 (84.7%) ||
## || Running time : 0.05 minutes ||
## ||
## || Process BAM file lane7043_CGTACTAG_CTAAGCCT_cDNA190920_C2_541M_d0_L001 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 1791112 ||
## || Successfully assigned alignments : 1506942 (84.1%) ||
## || Running time : 0.04 minutes ||
## ||
## || Process BAM file lane7043_CGTACTAG_CTCTCTAT_cDNA190920_H2_543P_d0_L001 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 926360 ||
## || Successfully assigned alignments : 694574 (75.0%) ||
## || Running time : 0.03 minutes ||
## ||
## || Process BAM file lane7043_CGTACTAG_GTAAGGAG_cDNA190920_F2_541M_d0_L001 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 944626 ||
## || Successfully assigned alignments : 816745 (86.5%) ||
## || Running time : 0.03 minutes ||
## ||
## || Process BAM file lane7043_CGTACTAG_TATCTCT_cDNA190920_G2_543P_d0_L001 ... ||
## || WARNING: Paired-end reads were found. ||

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```

## || Total alignments : 1403796 ||
## || Successfully assigned alignments : 978760 (69.7%) ||
## || Running time : 0.04 minutes ||
## ||
## || Process BAM file lane7043_CGTACTAG_TCTCTCCG_cDNA190920_A2_541M_d0_L001 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 1721778 ||
## || Successfully assigned alignments : 1385783 (80.5%) ||
## || Running time : 0.04 minutes ||
## ||
## || Process BAM file lane7043_CTCTCTAC_AAGGAGTA_cDNA190920_D7_543P_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 1910876 ||
## || Successfully assigned alignments : 1497295 (78.4%) ||
## || Running time : 0.04 minutes ||
## ||
## || Process BAM file lane7043_CTCTCTAC_ACTGCATA_cDNA190920_E7_543P_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 1395054 ||
## || Successfully assigned alignments : 1099307 (78.8%) ||
## || Running time : 0.03 minutes ||
## ||
## || Process BAM file lane7043_CTCTCTAC_CGTCTAAT_cDNA190920_B7_543P_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 1894158 ||
## || Successfully assigned alignments : 1365477 (72.1%) ||
## || Running time : 0.03 minutes ||
## ||
## || Process BAM file lane7043_CTCTCTAC_CTAAGCCT_cDNA190920_C7_543P_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 1975384 ||
## || Successfully assigned alignments : 1486703 (75.3%) ||
## || Running time : 0.03 minutes ||
## ||
## || Process BAM file lane7043_CTCTCTAC_CTCTCTAT_cDNA190920_H7_543P_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 2322990 ||
## || Successfully assigned alignments : 1760709 (75.8%) ||
## || Running time : 0.04 minutes ||
## ||
## || Process BAM file lane7043_CTCTCTAC_GTAAGGAG_cDNA190920_F7_543P_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 1373140 ||
## || Successfully assigned alignments : 1078676 (78.6%) ||
## || Running time : 0.03 minutes ||
## ||
## || Process BAM file lane7043_CTCTCTAC_TATCCTCT_cDNA190920_G7_543P_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 1701768 ||
## || Successfully assigned alignments : 1348243 (79.2%) ||
## || Running time : 0.04 minutes ||
## ||
## || Process BAM file lane7043_CTCTCTAC_TCTCTCCG_cDNA190920_A7_602D_d0_L001 ... ||
## || WARNING: Paired-end reads were found. ||

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```

## || Total alignments : 84350 ||
## || Successfully assigned alignments : 71352 (84.6%) ||
## || Running time : 0.01 minutes ||
## ||
## || Process BAM file lane7043_GCTCATGA_AAGGAGTA_cDNA190920_D11_602D_d42_L0 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 5671486 ||
## || Successfully assigned alignments : 4774764 (84.2%) ||
## || Running time : 0.08 minutes ||
## ||
## || Process BAM file lane7043_GCTCATGA_ACTGCATA_cDNA190920_E11_602D_d42_L0 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 3773546 ||
## || Successfully assigned alignments : 3212620 (85.1%) ||
## || Running time : 0.06 minutes ||
## ||
## || Process BAM file lane7043_GCTCATGA_CGTCTAAT_cDNA190920_B11_602D_d42_L0 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 9006882 ||
## || Successfully assigned alignments : 7620225 (84.6%) ||
## || Running time : 0.12 minutes ||
## ||
## || Process BAM file lane7043_GCTCATGA_CTAAGCCT_cDNA190920_C11_602D_d42_L0 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 7937984 ||
## || Successfully assigned alignments : 6666634 (84.0%) ||
## || Running time : 0.10 minutes ||
## ||
## || Process BAM file lane7043_GCTCATGA_CTCTCTAT_cDNA190920_H11_602D_d42_L0 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 4908512 ||
## || Successfully assigned alignments : 4209220 (85.8%) ||
## || Running time : 0.08 minutes ||
## ||
## || Process BAM file lane7043_GCTCATGA_GTAAGGAG_cDNA190920_F11_602D_d42_L0 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 3984284 ||
## || Successfully assigned alignments : 3325852 (83.5%) ||
## || Running time : 0.06 minutes ||
## ||
## || Process BAM file lane7043_GCTCATGA_TATCCTCT_cDNA190920_G11_602D_d42_L0 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 6434278 ||
## || Successfully assigned alignments : 5432567 (84.4%) ||
## || Running time : 0.09 minutes ||
## ||
## || Process BAM file lane7043_GCTCATGA_TCTCTCCG_cDNA190920_A11_602D_d42_L0 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 6342250 ||
## || Successfully assigned alignments : 5507720 (86.8%) ||
## || Running time : 0.09 minutes ||
## ||
## || Process BAM file lane7043_GGACTCCT_AAGGAGTA_cDNA190920_D5_541M_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||

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```

## || Total alignments : 1576348 ||
## || Successfully assigned alignments : 1336097 (84.8%) ||
## || Running time : 0.04 minutes ||
## ||
## || Process BAM file lane7043_GGACTCCT_ACTGCATA_cDNA190920_E5_541M_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 693800 ||
## || Successfully assigned alignments : 549903 (79.3%) ||
## || Running time : 0.02 minutes ||
## ||
## || Process BAM file lane7043_GGACTCCT_CGTCTAAT_cDNA190920_B5_541M_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 2350690 ||
## || Successfully assigned alignments : 1979908 (84.2%) ||
## || Running time : 0.04 minutes ||
## ||
## || Process BAM file lane7043_GGACTCCT_CTAAGCCT_cDNA190920_C5_541M_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 1385156 ||
## || Successfully assigned alignments : 1164239 (84.1%) ||
## || Running time : 0.03 minutes ||
## ||
## || Process BAM file lane7043_GGACTCCT_CTCTCTAT_cDNA190920_H5_541M_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 819306 ||
## || Successfully assigned alignments : 661603 (80.8%) ||
## || Running time : 0.02 minutes ||
## ||
## || Process BAM file lane7043_GGACTCCT_GTAAGGAG_cDNA190920_F5_541M_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 1032254 ||
## || Successfully assigned alignments : 879304 (85.2%) ||
## || Running time : 0.03 minutes ||
## ||
## || Process BAM file lane7043_GGACTCCT_TATCCTCT_cDNA190920_G5_541M_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 1150466 ||
## || Successfully assigned alignments : 916391 (79.7%) ||
## || Running time : 0.03 minutes ||
## ||
## || Process BAM file lane7043_GGACTCCT_TCTCTCCG_cDNA190920_A5_541M_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 1972476 ||
## || Successfully assigned alignments : 1681108 (85.2%) ||
## || Running time : 0.04 minutes ||
## ||
## || Process BAM file lane7043_GTAGAGGA_AAGGAGTA_cDNA190920_D10_602D_d42_L0 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 4240946 ||
## || Successfully assigned alignments : 3635732 (85.7%) ||
## || Running time : 0.06 minutes ||
## ||
## || Process BAM file lane7043_GTAGAGGA_ACTGCATA_cDNA190920_E10_602D_d42_L0 ... ||
## || WARNING: Paired-end reads were found. ||

```



```

## || Total alignments : 3305726 ||
## || Successfully assigned alignments : 2848460 (86.2%) ||
## || Running time : 0.05 minutes ||
## ||
## || Process BAM file lane7043_GTAGAGGA_CGTCTAAT_cDNA190920_B10_602D_d42_L0 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 8009638 ||
## || Successfully assigned alignments : 6862664 (85.7%) ||
## || Running time : 0.10 minutes ||
## ||
## || Process BAM file lane7043_GTAGAGGA_CTAAGCCT_cDNA190920_C10_602D_d42_L0 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 5148734 ||
## || Successfully assigned alignments : 4356049 (84.6%) ||
## || Running time : 0.07 minutes ||
## ||
## || Process BAM file lane7043_GTAGAGGA_CTCTCTAT_cDNA190920_H10_602D_d42_L0 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 4903430 ||
## || Successfully assigned alignments : 4033204 (82.3%) ||
## || Running time : 0.07 minutes ||
## ||
## || Process BAM file lane7043_GTAGAGGA_GTAAGGAG_cDNA190920_F10_602D_d42_L0 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 2969750 ||
## || Successfully assigned alignments : 2496454 (84.1%) ||
## || Running time : 0.05 minutes ||
## ||
## || Process BAM file lane7043_GTAGAGGA_TATCCTCT_cDNA190920_G10_602D_d42_L0 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 3205994 ||
## || Successfully assigned alignments : 2729954 (85.2%) ||
## || Running time : 0.05 minutes ||
## ||
## || Process BAM file lane7043_GTAGAGGA_TCTCTCCG_cDNA190920_A10_602D_d42_L0 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 5107278 ||
## || Successfully assigned alignments : 4330912 (84.8%) ||
## || Running time : 0.07 minutes ||
## ||
## || Process BAM file lane7043_TAAGGCGA_AAGGAGTA_cDNA190920_D1_541M_d0_L001 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 1149434 ||
## || Successfully assigned alignments : 962277 (83.7%) ||
## || Running time : 0.03 minutes ||
## ||
## || Process BAM file lane7043_TAAGGCGA_ACTGCATA_cDNA190920_E1_541M_d0_L001 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 1293882 ||
## || Successfully assigned alignments : 1039585 (80.3%) ||
## || Running time : 0.03 minutes ||
## ||
## || Process BAM file lane7043_TAAGGCGA_CGTCTAAT_cDNA190920_B1_541M_d0_L001 ... ||
## || WARNING: Paired-end reads were found. ||

```

```

## || Total alignments : 2413532 ||
## || Successfully assigned alignments : 2023066 (83.8%) ||
## || Running time : 0.05 minutes ||
## ||
## || Process BAM file lane7043_TAAGGCGA_CTAAGCCT_cDNA190920_C1_541M_d0_L001 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 2016384 ||
## || Successfully assigned alignments : 1636293 (81.1%) ||
## || Running time : 0.04 minutes ||
## ||
## || Process BAM file lane7043_TAAGGCGA_CTCTCTAT_cDNA190920_H1_543P_d0_L001 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 577346 ||
## || Successfully assigned alignments : 451410 (78.2%) ||
## || Running time : 0.02 minutes ||
## ||
## || Process BAM file lane7043_TAAGGCGA_GTAAGGAG_cDNA190920_F1_543P_d0_L001 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 805332 ||
## || Successfully assigned alignments : 467398 (58.0%) ||
## || Running time : 0.02 minutes ||
## ||
## || Process BAM file lane7043_TAAGGCGA_TATCCTCT_cDNA190920_G1_543P_d0_L001 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 1326574 ||
## || Successfully assigned alignments : 1013244 (76.4%) ||
## || Running time : 0.03 minutes ||
## ||
## || Process BAM file lane7043_TAAGGCGA_TCTCTCCG_cDNA190920_A1_541M_d0_L001 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 1367884 ||
## || Successfully assigned alignments : 1167074 (85.3%) ||
## || Running time : 0.03 minutes ||
## ||
## || Process BAM file lane7043_TAGGCATG_AAGGAGTA_cDNA190920_D6_541M_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 997346 ||
## || Successfully assigned alignments : 762883 (76.5%) ||
## || Running time : 0.03 minutes ||
## ||
## || Process BAM file lane7043_TAGGCATG_ACTGCATA_cDNA190920_E6_541M_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 1110678 ||
## || Successfully assigned alignments : 863847 (77.8%) ||
## || Running time : 0.03 minutes ||
## ||
## || Process BAM file lane7043_TAGGCATG_CGTCTAAT_cDNA190920_B6_541M_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 1905364 ||
## || Successfully assigned alignments : 1580688 (83.0%) ||
## || Running time : 0.04 minutes ||
## ||
## || Process BAM file lane7043_TAGGCATG_CTAAGCCT_cDNA190920_C6_541M_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||

```

```

## || Total alignments : 1040876 ||
## || Successfully assigned alignments : 871516 (83.7%) ||
## || Running time : 0.03 minutes ||
## ||
## || Process BAM file lane7043_TAGGCATG_CTCTCTAT_cDNA190920_H6_541M_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 776262 ||
## || Successfully assigned alignments : 597912 (77.0%) ||
## || Running time : 0.02 minutes ||
## ||
## || Process BAM file lane7043_TAGGCATG_GTAAGGAG_cDNA190920_F6_541M_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 659724 ||
## || Successfully assigned alignments : 504497 (76.5%) ||
## || Running time : 0.02 minutes ||
## ||
## || Process BAM file lane7043_TAGGCATG_TATCCTCT_cDNA190920_G6_541M_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 137930 ||
## || Successfully assigned alignments : 110765 (80.3%) ||
## || Running time : 0.01 minutes ||
## ||
## || Process BAM file lane7043_TAGGCATG_TCTCTCCG_cDNA190920_A6_541M_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 1904248 ||
## || Successfully assigned alignments : 1596259 (83.8%) ||
## || Running time : 0.03 minutes ||
## ||
## || Process BAM file lane7043_TCCTGAGC_AAGGAGTA_cDNA190920_D4_541M_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 504812 ||
## || Successfully assigned alignments : 418169 (82.8%) ||
## || Running time : 0.02 minutes ||
## ||
## || Process BAM file lane7043_TCCTGAGC_ACTGCATA_cDNA190920_E4_541M_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 680030 ||
## || Successfully assigned alignments : 525376 (77.3%) ||
## || Running time : 0.02 minutes ||
## ||
## || Process BAM file lane7043_TCCTGAGC_CGTCTAAT_cDNA190920_B4_541M_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 1694300 ||
## || Successfully assigned alignments : 1452594 (85.7%) ||
## || Running time : 0.04 minutes ||
## ||
## || Process BAM file lane7043_TCCTGAGC_CTAAGCCT_cDNA190920_C4_541M_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 717158 ||
## || Successfully assigned alignments : 600730 (83.8%) ||
## || Running time : 0.03 minutes ||
## ||
## || Process BAM file lane7043_TCCTGAGC_CTCTCTAT_cDNA190920_H4_541M_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||

```

```

## || Total alignments : 290534 ||
## || Successfully assigned alignments : 234613 (80.8%) ||
## || Running time : 0.02 minutes ||
## ||
## || Process BAM file lane7043_TCCTGAGC_GTAAGGAG_cDNA190920_F4_541M_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 1269816 ||
## || Successfully assigned alignments : 1064439 (83.8%) ||
## || Running time : 0.03 minutes ||
## ||
## || Process BAM file lane7043_TCCTGAGC_TATCCTCT_cDNA190920_G4_541M_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 1214918 ||
## || Successfully assigned alignments : 991958 (81.6%) ||
## || Running time : 0.03 minutes ||
## ||
## || Process BAM file lane7043_TCCTGAGC_TCTCTCCG_cDNA190920_A4_541M_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 1530658 ||
## || Successfully assigned alignments : 1294067 (84.5%) ||
## || Running time : 0.03 minutes ||
## ||
## || Process BAM file lane7048_AAGAGGCA_AAGGAGTA_cDNA190921_D9_660R_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 1889700 ||
## || Successfully assigned alignments : 1478424 (78.2%) ||
## || Running time : 0.04 minutes ||
## ||
## || Process BAM file lane7048_AAGAGGCA_ACTGCATA_cDNA190921_E9_660R_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 2274244 ||
## || Successfully assigned alignments : 1886705 (83.0%) ||
## || Running time : 0.04 minutes ||
## ||
## || Process BAM file lane7048_AAGAGGCA_CGTCTAAT_cDNA190921_B9_660R_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 4493338 ||
## || Successfully assigned alignments : 3603937 (80.2%) ||
## || Running time : 0.07 minutes ||
## ||
## || Process BAM file lane7048_AAGAGGCA_CTAAGCCT_cDNA190921_C9_660R_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 2309326 ||
## || Successfully assigned alignments : 1834826 (79.5%) ||
## || Running time : 0.04 minutes ||
## ||
## || Process BAM file lane7048_AAGAGGCA_CTCTCTAT_cDNA190921_H9_660R_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 2325716 ||
## || Successfully assigned alignments : 1714235 (73.7%) ||
## || Running time : 0.04 minutes ||
## ||
## || Process BAM file lane7048_AAGAGGCA_GTAAGGAG_cDNA190921_F9_660R_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||

```

```

## || Total alignments : 1981512 ||
## || Successfully assigned alignments : 1535493 (77.5%) ||
## || Running time : 0.04 minutes ||
## ||
## || Process BAM file lane7048_AAGAGGCA_TATCTCT_cDNA190921_G9_660R_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 2790442 ||
## || Successfully assigned alignments : 2259769 (81.0%) ||
## || Running time : 0.04 minutes ||
## ||
## || Process BAM file lane7048_AAGAGGCA_TCTCTCCG_cDNA190921_A9_660R_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 1681204 ||
## || Successfully assigned alignments : 1255476 (74.7%) ||
## || Running time : 0.03 minutes ||
## ||
## || Process BAM file lane7048_AGGCAGAA_AAGGAGTA_cDNA190921_D3_637R_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 928502 ||
## || Successfully assigned alignments : 732576 (78.9%) ||
## || Running time : 0.02 minutes ||
## ||
## || Process BAM file lane7048_AGGCAGAA_ACTGCATA_cDNA190921_E3_637R_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 910522 ||
## || Successfully assigned alignments : 745975 (81.9%) ||
## || Running time : 0.03 minutes ||
## ||
## || Process BAM file lane7048_AGGCAGAA_CGTCTAAT_cDNA190921_B3_637R_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 1358648 ||
## || Successfully assigned alignments : 991573 (73.0%) ||
## || Running time : 0.03 minutes ||
## ||
## || Process BAM file lane7048_AGGCAGAA_CTAAGCCT_cDNA190921_C3_637R_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 1355162 ||
## || Successfully assigned alignments : 1138040 (84.0%) ||
## || Running time : 0.03 minutes ||
## ||
## || Process BAM file lane7048_AGGCAGAA_CTCTCTAT_cDNA190921_H3_637R_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 994918 ||
## || Successfully assigned alignments : 787049 (79.1%) ||
## || Running time : 0.02 minutes ||
## ||
## || Process BAM file lane7048_AGGCAGAA_GTAAGGAG_cDNA190921_F3_637R_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 831482 ||
## || Successfully assigned alignments : 652122 (78.4%) ||
## || Running time : 0.02 minutes ||
## ||
## || Process BAM file lane7048_AGGCAGAA_TATCTCT_cDNA190921_G3_637R_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||

```

```

## || Total alignments : 1128596 ||
## || Successfully assigned alignments : 928340 (82.3%) ||
## || Running time : 0.04 minutes ||
## ||
## || Process BAM file lane7048_AGGCAGAA_TCTCTCCG_cDNA190921_A3_637R_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 1655884 ||
## || Successfully assigned alignments : 1316280 (79.5%) ||
## || Running time : 0.03 minutes ||
## ||
## || Process BAM file lane7048_ATCTCAGG_AAGGAGTA_cDNA190921_D12_660R_d42_L0 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 5308716 ||
## || Successfully assigned alignments : 3632685 (68.4%) ||
## || Running time : 0.07 minutes ||
## ||
## || Process BAM file lane7048_ATCTCAGG_ACTGCATA_cDNA190921_E12_660R_d42_L0 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 4537020 ||
## || Successfully assigned alignments : 3459465 (76.2%) ||
## || Running time : 0.06 minutes ||
## ||
## || Process BAM file lane7048_ATCTCAGG_CGTCTAAT_cDNA190921_B12_660R_d42_L0 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 9940628 ||
## || Successfully assigned alignments : 8238732 (82.9%) ||
## || Running time : 0.12 minutes ||
## ||
## || Process BAM file lane7048_ATCTCAGG_CTAAGCCT_cDNA190921_C12_660R_d42_L0 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 8120546 ||
## || Successfully assigned alignments : 6875305 (84.7%) ||
## || Running time : 0.11 minutes ||
## ||
## || Process BAM file lane7048_ATCTCAGG_CTCTCTAT_cDNA190921_H12_660R_d42_L0 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 6364230 ||
## || Successfully assigned alignments : 5206934 (81.8%) ||
## || Running time : 0.09 minutes ||
## ||
## || Process BAM file lane7048_ATCTCAGG_GTAAGGAG_cDNA190921_F12_660R_d42_L0 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 4191730 ||
## || Successfully assigned alignments : 3188534 (76.1%) ||
## || Running time : 0.06 minutes ||
## ||
## || Process BAM file lane7048_ATCTCAGG_TATCCTCT_cDNA190921_G12_660R_d42_L0 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 5653114 ||
## || Successfully assigned alignments : 3952870 (69.9%) ||
## || Running time : 0.08 minutes ||
## ||
## || Process BAM file lane7048_ATCTCAGG_TCTCTCCG_cDNA190921_A12_660R_d42_L0 ... ||
## || WARNING: Paired-end reads were found. ||

```

```

## || Total alignments : 8521752 ||
## || Successfully assigned alignments : 6949056 (81.5%) ||
## || Running time : 0.11 minutes ||
## ||
## || Process BAM file lane7048_CGAGGCTG_AAGGAGTA_cDNA190921_D8_660R_d0_L001 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 917136 ||
## || Successfully assigned alignments : 746513 (81.4%) ||
## || Running time : 0.02 minutes ||
## ||
## || Process BAM file lane7048_CGAGGCTG_ACTGCATA_cDNA190921_E8_660R_d0_L001 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 50 ||
## || Successfully assigned alignments : 2 (4.0%) ||
## || Running time : 0.00 minutes ||
## ||
## || Process BAM file lane7048_CGAGGCTG_CGTCTAAT_cDNA190921_B8_660R_d0_L001 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 1968066 ||
## || Successfully assigned alignments : 1610383 (81.8%) ||
## || Running time : 0.04 minutes ||
## ||
## || Process BAM file lane7048_CGAGGCTG_CTAAGCCT_cDNA190921_C8_660R_d0_L001 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 1581514 ||
## || Successfully assigned alignments : 1189525 (75.2%) ||
## || Running time : 0.03 minutes ||
## ||
## || Process BAM file lane7048_CGAGGCTG_CTCTCTAT_cDNA190921_H8_637R_d0_L001 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 2299596 ||
## || Successfully assigned alignments : 1799872 (78.3%) ||
## || Running time : 0.04 minutes ||
## ||
## || Process BAM file lane7048_CGAGGCTG_GTAAGGAG_cDNA190921_F8_637R_d0_L001 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 1162738 ||
## || Successfully assigned alignments : 919130 (79.0%) ||
## || Running time : 0.03 minutes ||
## ||
## || Process BAM file lane7048_CGAGGCTG_TATCCTCT_cDNA190921_G8_637R_d0_L001 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 1744412 ||
## || Successfully assigned alignments : 1354248 (77.6%) ||
## || Running time : 0.03 minutes ||
## ||
## || Process BAM file lane7048_CGAGGCTG_TCTCTCCG_cDNA190921_A8_660R_d0_L001 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 2385240 ||
## || Successfully assigned alignments : 1924411 (80.7%) ||
## || Running time : 0.04 minutes ||
## ||
## || Process BAM file lane7048_CGTACTAG_AAGGAGTA_cDNA190921_D2_543P_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||

```

```

## || Total alignments : 894518 ||
## || Successfully assigned alignments : 705835 (78.9%) ||
## || Running time : 0.03 minutes ||
## ||
## || Process BAM file lane7048_CGTACTAG_ACTGCATA_cDNA190921_E2_543P_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 634964 ||
## || Successfully assigned alignments : 482737 (76.0%) ||
## || Running time : 0.02 minutes ||
## ||
## || Process BAM file lane7048_CGTACTAG_CGTCTAAT_cDNA190921_B2_543P_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 1378644 ||
## || Successfully assigned alignments : 1073791 (77.9%) ||
## || Running time : 0.03 minutes ||
## ||
## || Process BAM file lane7048_CGTACTAG_CTAAGCCT_cDNA190921_C2_543P_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 1035600 ||
## || Successfully assigned alignments : 731585 (70.6%) ||
## || Running time : 0.02 minutes ||
## ||
## || Process BAM file lane7048_CGTACTAG_CTCTCTAT_cDNA190921_H2_543P_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 1263524 ||
## || Successfully assigned alignments : 931988 (73.8%) ||
## || Running time : 0.03 minutes ||
## ||
## || Process BAM file lane7048_CGTACTAG_GTAAGGAG_cDNA190921_F2_543P_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 729674 ||
## || Successfully assigned alignments : 586754 (80.4%) ||
## || Running time : 0.02 minutes ||
## ||
## || Process BAM file lane7048_CGTACTAG_TATCCTCT_cDNA190921_G2_543P_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 1426882 ||
## || Successfully assigned alignments : 1074884 (75.3%) ||
## || Running time : 0.03 minutes ||
## ||
## || Process BAM file lane7048_CGTACTAG_TCTCTCCG_cDNA190921_A2_543P_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 1012986 ||
## || Successfully assigned alignments : 803855 (79.4%) ||
## || Running time : 0.02 minutes ||
## ||
## || Process BAM file lane7048_CTCTCTAC_AAGGAGTA_cDNA190921_D7_660R_d0_L001 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 1947032 ||
## || Successfully assigned alignments : 1620477 (83.2%) ||
## || Running time : 0.03 minutes ||
## ||
## || Process BAM file lane7048_CTCTCTAC_ACTGCATA_cDNA190921_E7_660R_d0_L001 ... ||
## || WARNING: Paired-end reads were found. ||

```



```

## || Total alignments : 1775324 ||
## || Successfully assigned alignments : 1462879 (82.4%) ||
## || Running time : 0.03 minutes ||
## ||
## || Process BAM file lane7048_CTCTCTAC_CGTCTAAT_cDNA190921_B7_660R_d0_L001 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 2416414 ||
## || Successfully assigned alignments : 1832413 (75.8%) ||
## || Running time : 0.04 minutes ||
## ||
## || Process BAM file lane7048_CTCTCTAC_CTAAGCCT_cDNA190921_C7_660R_d0_L001 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 1158944 ||
## || Successfully assigned alignments : 923343 (79.7%) ||
## || Running time : 0.04 minutes ||
## ||
## || Process BAM file lane7048_CTCTCTAC_CTCTCTAT_cDNA190921_H7_637R_d0_L001 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 2085268 ||
## || Successfully assigned alignments : 1623501 (77.9%) ||
## || Running time : 0.03 minutes ||
## ||
## || Process BAM file lane7048_CTCTCTAC_GTAAGGAG_cDNA190921_F7_637R_d0_L001 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 982678 ||
## || Successfully assigned alignments : 789972 (80.4%) ||
## || Running time : 0.03 minutes ||
## ||
## || Process BAM file lane7048_CTCTCTAC_TATCCTCT_cDNA190921_G7_637R_d0_L001 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 1954346 ||
## || Successfully assigned alignments : 1601938 (82.0%) ||
## || Running time : 0.03 minutes ||
## ||
## || Process BAM file lane7048_CTCTCTAC_TCTCTCCG_cDNA190921_A7_660R_d0_L001 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 562108 ||
## || Successfully assigned alignments : 419676 (74.7%) ||
## || Running time : 0.02 minutes ||
## ||
## || Process BAM file lane7048_GCTCATGA_AAGGAGTA_cDNA190921_D11_660R_d42_L0 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 3961522 ||
## || Successfully assigned alignments : 2679404 (67.6%) ||
## || Running time : 0.06 minutes ||
## ||
## || Process BAM file lane7048_GCTCATGA_ACTGCATA_cDNA190921_E11_660R_d42_L0 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 2804452 ||
## || Successfully assigned alignments : 2259373 (80.6%) ||
## || Running time : 0.05 minutes ||
## ||
## || Process BAM file lane7048_GCTCATGA_CGTCTAAT_cDNA190921_B11_660R_d42_L0 ... ||
## || WARNING: Paired-end reads were found. ||

```

```

## || Total alignments : 8246846 ||
## || Successfully assigned alignments : 6755823 (81.9%) ||
## || Running time : 0.10 minutes ||
## ||
## || Process BAM file lane7048_GCTCATGA_CTAAGCCT_cDNA190921_C11_660R_d42_L0 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 8812120 ||
## || Successfully assigned alignments : 7084243 (80.4%) ||
## || Running time : 0.11 minutes ||
## ||
## || Process BAM file lane7048_GCTCATGA_CTCTCTAT_cDNA190921_H11_660R_d42_L0 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 4749530 ||
## || Successfully assigned alignments : 3796418 (79.9%) ||
## || Running time : 0.07 minutes ||
## ||
## || Process BAM file lane7048_GCTCATGA_GTAAGGAG_cDNA190921_F11_660R_d42_L0 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 2389922 ||
## || Successfully assigned alignments : 1851794 (77.5%) ||
## || Running time : 0.04 minutes ||
## ||
## || Process BAM file lane7048_GCTCATGA_TATCCTCT_cDNA190921_G11_660R_d42_L0 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 3400756 ||
## || Successfully assigned alignments : 2590235 (76.2%) ||
## || Running time : 0.05 minutes ||
## ||
## || Process BAM file lane7048_GCTCATGA_TCTCTCCG_cDNA190921_A11_660R_d42_L0 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 2942024 ||
## || Successfully assigned alignments : 2350177 (79.9%) ||
## || Running time : 0.05 minutes ||
## ||
## || Process BAM file lane7048_GGACTCCT_AAGGAGTA_cDNA190921_D5_637R_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 1094970 ||
## || Successfully assigned alignments : 902538 (82.4%) ||
## || Running time : 0.02 minutes ||
## ||
## || Process BAM file lane7048_GGACTCCT_ACTGCATA_cDNA190921_E5_637R_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 1074776 ||
## || Successfully assigned alignments : 870606 (81.0%) ||
## || Running time : 0.02 minutes ||
## ||
## || Process BAM file lane7048_GGACTCCT_CGTCTAAT_cDNA190921_B5_637R_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 1270968 ||
## || Successfully assigned alignments : 1034493 (81.4%) ||
## || Running time : 0.03 minutes ||
## ||
## || Process BAM file lane7048_GGACTCCT_CTAAGCCT_cDNA190921_C5_637R_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||

```

```

## || Total alignments : 1348484 ||
## || Successfully assigned alignments : 1128899 (83.7%) ||
## || Running time : 0.02 minutes ||
## ||
## || Process BAM file lane7048_GGACTCCT_CTCTCTAT_cDNA190921_H5_637R_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 1719740 ||
## || Successfully assigned alignments : 1364896 (79.4%) ||
## || Running time : 0.03 minutes ||
## ||
## || Process BAM file lane7048_GGACTCCT_GTAAGGAG_cDNA190921_F5_637R_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 971736 ||
## || Successfully assigned alignments : 792130 (81.5%) ||
## || Running time : 0.03 minutes ||
## ||
## || Process BAM file lane7048_GGACTCCT_TATCCTCT_cDNA190921_G5_637R_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 1799588 ||
## || Successfully assigned alignments : 1493327 (83.0%) ||
## || Running time : 0.03 minutes ||
## ||
## || Process BAM file lane7048_GGACTCCT_TCTCTCCG_cDNA190921_A5_637R_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 1508698 ||
## || Successfully assigned alignments : 1187118 (78.7%) ||
## || Running time : 0.03 minutes ||
## ||
## || Process BAM file lane7048_GTAGAGGA_AAGGAGTA_cDNA190921_D10_660R_d42_L0 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 2642056 ||
## || Successfully assigned alignments : 2190476 (82.9%) ||
## || Running time : 0.05 minutes ||
## ||
## || Process BAM file lane7048_GTAGAGGA_ACTGCATA_cDNA190921_E10_660R_d42_L0 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 2780442 ||
## || Successfully assigned alignments : 2322729 (83.5%) ||
## || Running time : 0.05 minutes ||
## ||
## || Process BAM file lane7048_GTAGAGGA_CGTCTAAT_cDNA190921_B10_660R_d42_L0 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 5055874 ||
## || Successfully assigned alignments : 3975229 (78.6%) ||
## || Running time : 0.07 minutes ||
## ||
## || Process BAM file lane7048_GTAGAGGA_CTAAGCCT_cDNA190921_C10_660R_d42_L0 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 2949524 ||
## || Successfully assigned alignments : 2396765 (81.3%) ||
## || Running time : 0.05 minutes ||
## ||
## || Process BAM file lane7048_GTAGAGGA_CTCTCTAT_cDNA190921_H10_660R_d42_L0 ... ||
## || WARNING: Paired-end reads were found. ||

```

```

## || Total alignments : 3755576 ||
## || Successfully assigned alignments : 3070769 (81.8%) ||
## || Running time : 0.05 minutes ||
## ||
## || Process BAM file lane7048_GTAGAGGA_GTAAGGAG_cDNA190921_F10_660R_d42_L0 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 2106986 ||
## || Successfully assigned alignments : 1457755 (69.2%) ||
## || Running time : 0.04 minutes ||
## ||
## || Process BAM file lane7048_GTAGAGGA_TATCCTCT_cDNA190921_G10_660R_d42_L0 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 1972554 ||
## || Successfully assigned alignments : 1536525 (77.9%) ||
## || Running time : 0.03 minutes ||
## ||
## || Process BAM file lane7048_GTAGAGGA_TCTCTCCG_cDNA190921_A10_660R_d42_L0 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 4648356 ||
## || Successfully assigned alignments : 3914432 (84.2%) ||
## || Running time : 0.06 minutes ||
## ||
## || Process BAM file lane7048_TAAGGCGA_AAGGAGTA_cDNA190921_D1_562K_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 839858 ||
## || Successfully assigned alignments : 636550 (75.8%) ||
## || Running time : 0.02 minutes ||
## ||
## || Process BAM file lane7048_TAAGGCGA_ACTGCATA_cDNA190921_E1_543P_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 876556 ||
## || Successfully assigned alignments : 688736 (78.6%) ||
## || Running time : 0.02 minutes ||
## ||
## || Process BAM file lane7048_TAAGGCGA_CGTCTAAT_cDNA190921_B1_562K_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 1253302 ||
## || Successfully assigned alignments : 987387 (78.8%) ||
## || Running time : 0.04 minutes ||
## ||
## || Process BAM file lane7048_TAAGGCGA_CTAAGCCT_cDNA190921_C1_562K_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 1078208 ||
## || Successfully assigned alignments : 819281 (76.0%) ||
## || Running time : 0.03 minutes ||
## ||
## || Process BAM file lane7048_TAAGGCGA_CTCTCTAT_cDNA190921_H1_543P_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 1002862 ||
## || Successfully assigned alignments : 775759 (77.4%) ||
## || Running time : 0.02 minutes ||
## ||
## || Process BAM file lane7048_TAAGGCGA_GTAAGGAG_cDNA190921_F1_543P_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||

```

```

## || Total alignments : 947296 ||
## || Successfully assigned alignments : 699523 (73.8%) ||
## || Running time : 0.02 minutes ||
## ||
## || Process BAM file lane7048_TAAGGCGA_TATCTCT_cDNA190921_G1_543P_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 1089442 ||
## || Successfully assigned alignments : 812489 (74.6%) ||
## || Running time : 0.03 minutes ||
## ||
## || Process BAM file lane7048_TAAGGCGA_TCTCTCCG_cDNA190921_A1_562K_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 930012 ||
## || Successfully assigned alignments : 711294 (76.5%) ||
## || Running time : 0.02 minutes ||
## ||
## || Process BAM file lane7048_TAGGCATG_AAGGAGTA_cDNA190921_D6_637R_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 1717732 ||
## || Successfully assigned alignments : 1404892 (81.8%) ||
## || Running time : 0.03 minutes ||
## ||
## || Process BAM file lane7048_TAGGCATG_ACTGCATA_cDNA190921_E6_637R_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 1337948 ||
## || Successfully assigned alignments : 1071646 (80.1%) ||
## || Running time : 0.04 minutes ||
## ||
## || Process BAM file lane7048_TAGGCATG_CGTCTAAT_cDNA190921_B6_637R_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 1913998 ||
## || Successfully assigned alignments : 1522775 (79.6%) ||
## || Running time : 0.03 minutes ||
## ||
## || Process BAM file lane7048_TAGGCATG_CTAAGCCT_cDNA190921_C6_637R_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 1682420 ||
## || Successfully assigned alignments : 1353454 (80.4%) ||
## || Running time : 0.03 minutes ||
## ||
## || Process BAM file lane7048_TAGGCATG_CTCTCTAT_cDNA190921_H6_637R_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 1636314 ||
## || Successfully assigned alignments : 1294320 (79.1%) ||
## || Running time : 0.04 minutes ||
## ||
## || Process BAM file lane7048_TAGGCATG_GTAAGGAG_cDNA190921_F6_637R_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 1038296 ||
## || Successfully assigned alignments : 851305 (82.0%) ||
## || Running time : 0.02 minutes ||
## ||
## || Process BAM file lane7048_TAGGCATG_TATCTCT_cDNA190921_G6_637R_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||

```

```

## || Total alignments : 1553372 ||
## || Successfully assigned alignments : 1230705 (79.2%) ||
## || Running time : 0.03 minutes ||
## ||
## || Process BAM file lane7048_TAGGCATG_TCTCTCCG_cDNA190921_A6_637R_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 2169696 ||
## || Successfully assigned alignments : 1783408 (82.2%) ||
## || Running time : 0.04 minutes ||
## ||
## || Process BAM file lane7048_TCCTGAGC_AAGGAGTA_cDNA190921_D4_637R_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 474162 ||
## || Successfully assigned alignments : 380540 (80.3%) ||
## || Running time : 0.02 minutes ||
## ||
## || Process BAM file lane7048_TCCTGAGC_ACTGCATA_cDNA190921_E4_637R_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 1113622 ||
## || Successfully assigned alignments : 882999 (79.3%) ||
## || Running time : 0.02 minutes ||
## ||
## || Process BAM file lane7048_TCCTGAGC_CGTCTAAT_cDNA190921_B4_637R_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 1039872 ||
## || Successfully assigned alignments : 834266 (80.2%) ||
## || Running time : 0.03 minutes ||
## ||
## || Process BAM file lane7048_TCCTGAGC_CTAAGCCT_cDNA190921_C4_637R_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 961748 ||
## || Successfully assigned alignments : 812006 (84.4%) ||
## || Running time : 0.02 minutes ||
## ||
## || Process BAM file lane7048_TCCTGAGC_CTCTCTAT_cDNA190921_H4_637R_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 1084074 ||
## || Successfully assigned alignments : 854468 (78.8%) ||
## || Running time : 0.03 minutes ||
## ||
## || Process BAM file lane7048_TCCTGAGC_GTAAGGAG_cDNA190921_F4_637R_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 974348 ||
## || Successfully assigned alignments : 858930 (88.2%) ||
## || Running time : 0.02 minutes ||
## ||
## || Process BAM file lane7048_TCCTGAGC_TATCCTCT_cDNA190921_G4_637R_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||
## || Total alignments : 1179980 ||
## || Successfully assigned alignments : 946285 (80.2%) ||
## || Running time : 0.03 minutes ||
## ||
## || Process BAM file lane7048_TCCTGAGC_TCTCTCCG_cDNA190921_A4_637R_d42_L00 ... ||
## || WARNING: Paired-end reads were found. ||

```

```

## ||      Total alignments : 1007776      ||
## ||      Successfully assigned alignments : 814421 (80.8%)      ||
## ||      Running time : 0.03 minutes      ||
## ||      ||      ||
## || Write the final count table.      ||
## || Write the read assignment summary.      ||
## ||      ||      ||
## \\=====//

save(counts, file = "data/Rsubread_counts.RData")

sessionInfo()

## R version 3.6.1 (2019-07-05)
## Platform: x86_64-pc-linux-gnu (64-bit)
## Running under: CentOS Linux 7 (Core)
##
## Matrix products: default
## BLAS:   /bi/apps/R/3.6.1/lib64/R/lib/libRblas.so
## LAPACK: /bi/apps/R/3.6.1/lib64/R/lib/libRlapack.so
##
## locale:
##  [1] LC_CTYPE=en_US.UTF-8 LC_NUMERIC=C          LC_TIME=C          LC_COLLATE=C      LC_MONETARY=
##  [7] LC_PAPER=C          LC_NAME=C          LC_ADDRESS=C      LC_TELEPHONE=C    LC_MEASUREM
##
## attached base packages:
## [1] parallel stats4      stats      graphics  grDevices utils      datasets  methods    base
##
## other attached packages:
##  [1] SingleR_1.0.6          ggcyto_1.18.0          flowWorkspace_3.34.1   ncdfFlow_2.
##  [5] BH_1.72.0-2            RcppArmadillo_0.10.1.2.0 flowCore_1.52.1        cowplot_1.0
##  [9] pals_1.6               MultiAssayExperiment_1.12.1 destiny_3.0.1          edgeR_3.28.
## [13] limma_3.42.0           org.Hs.eg.db_3.10.0    rtracklayer_1.46.0     ensemblDb_2
## [17] AnnotationFilter_1.10.0 GenomicFeatures_1.38.0 AnnotationDbi_1.48.0    AnnotationH
## [21] BiocFileCache_1.10.2    dbplyr_1.4.2           Rsubread_2.0.0         knitr_1.26
## [25] ggpubr_0.2.4           magrittr_1.5           scater_1.14.5          ggplot2_3.3
## [29] scran_1.14.5           SingleCellExperiment_1.8.0 SummarizedExperiment_1.16.0 DelayedArray
## [33] BiocParallel_1.20.0     matrixStats_0.55.0     Biobase_2.46.0         GenomicRange
## [37] GenomeInfoDb_1.22.0     IRanges_2.20.1         S4Vectors_0.24.1       BiocGenerics
## [41] dplyr_1.0.2
##
## loaded via a namespace (and not attached):
##  [1] tidyselect_1.1.0      RSQLite_2.1.4          grid_3.6.1            rang
##  [5] munsell_0.5.0         codetools_0.2-16       statmod_1.4.32         with
##  [9] colorspace_1.4-1     flowViz_1.48.0         rstudioapi_0.10       robus
## [13] ggsignif_0.6.0        vcd_1.4-4             VIM_4.8.0             TTR_
## [17] labeling_0.3          GenomeInfoDbData_1.2.2 farver_2.0.1          bit64
## [21] vctrs_0.3.6          generics_0.0.2         xfun_0.11             ggth
## [25] R6_2.4.1             ggbeeswarm_0.6.0       rsvd_1.0.2            Rcpp
## [29] locfit_1.5-9.1        bitops_1.0-6          assertthat_0.2.1      prom
## [33] scales_1.1.0         nnet_7.3-12           beeswarm_0.2.3        gtab
## [37] rlang_0.4.10         scatterplot3d_0.3-41   lazyeval_0.2.2        dich
## [41] hexbin_1.28.0        BiocManager_1.30.10    yaml_2.2.0            abin
## [45] httpuv_1.5.2         IDPmisc_1.1.20        tools_3.6.1           ellip
## [49] RColorBrewer_1.1-2    proxy_0.4-23          plyr_1.8.5            Rcpp

```

## [53] progress_1.2.2	zlibbioc_1.32.0	purrr_0.3.3	RCur
## [57] prettyunits_1.0.2	openssl_1.4.1	viridis_0.5.1	zoo_
## [61] cluster_2.1.0	haven_2.2.0	data.table_1.12.8	RSpe
## [65] openxlsx_4.1.4	lmtest_0.9-37	mvtnorm_1.0-11	pcaM
## [69] ProtGenerics_1.18.0	evaluate_0.14	hms_0.5.2	mime
## [73] xtable_1.8-4	smoother_1.1	XML_3.98-1.20	rio_
## [77] readxl_1.3.1	gridExtra_2.3	compiler_3.6.1	biom
## [81] tibble_3.0.4	maps_3.3.0	KernSmooth_2.23-15	cray
## [85] htmltools_0.4.0	pcaPP_1.9-73	later_1.0.0	rrco
## [89] tidyr_1.0.0	RcppParallel_4.4.4	DBI_1.0.0	form
## [93] ExperimentHub_1.12.0	MASS_7.3-51.4	rappdirs_0.3.1	boot
## [97] Matrix_1.2-17	car_3.0-5	igraph_1.2.4.2	forc
## [101] pkgconfig_2.0.3	GenomicAlignments_1.22.1	foreign_0.8-72	laek
## [105] sp_1.3-2	vipor_0.4.5	dqrng_0.2.1	XVec
## [109] stringr_1.4.0	digest_0.6.23	graph_1.64.0	Bios
## [113] rmarkdown_2.0	cellranger_1.1.0	uwot_0.1.5	Delay
## [117] curl_4.3	shiny_1.4.0	Rsamtools_2.2.1	ggpl
## [121] lifecycle_0.2.0	carData_3.0-3	BiocNeighbors_1.4.1	mapp
## [125] viridisLite_0.3.0	askpass_1.1	pillar_1.4.7	latt
## [129] fastmap_1.0.1	httr_1.4.1	DEoptimR_1.0-8	inte
## [133] glue_1.4.2	xts_0.12-0	zip_2.0.4	Rgrap
## [137] BiocVersion_3.10.1	bit_1.1-14	class_7.3-15	stri
## [141] blob_1.2.0	RcppHNSW_0.2.0	BiocSingular_1.2.0	latt
## [145] memoise_1.1.0	irlba_2.3.3	e1071_1.7-3	