

# 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")
```

```
counts <- featureCounts(files = fls,
  ## change this path to your local gtf:
  annot.ext = "/bi/scratch/Genomes/Human/GRCh38_ERCC/Homo_sapiens.GRCh38.87.gtf"
  isGTFAnnotationFile = T, useMetaFeatures = T,
  isPairedEnd = T,
  requireBothEndsMapped = T,
  countChimericFragments = F,
  nthreads = 7 )
```

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## || o lane6967_TAGGCATG_TCTCTCCG_cDNA190820_A6_5 ... ||
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## || o lane6976_AGGCAGAA_CGTCTAAT_cDNA190821_B3_5 ... ||
## || o lane6976_AGGCAGAA_CTAAGCCT_cDNA190821_C3_5 ... ||

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## || o lane6976_GTAGAGGA_ACTGCATA_cDNA190821_E10_ ... ||

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## || o lane7052_GGACTCCT_GTAAGGAG_cDNA190916_F5_6 ... ||
## || o lane7052_GGACTCCT_TATCCTCT_cDNA190916_G5_6 ... ||
## || o lane7052_GGACTCCT_TCTCTCCG_cDNA190916_A5_6 ... ||
## || o lane7052_GTAGAGGA_AAGGAGTA_cDNA190916_D10_ ... ||
## || o lane7052_GTAGAGGA_ACTGCATA_cDNA190916_E10_ ... ||
## || o lane7052_GTAGAGGA_CGTCTAAT_cDNA190916_B10_ ... ||
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## || o lane7052_GTAGAGGA_CTCTCTAT_cDNA190916_H10_ ... ||
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## || o lane7052_GTAGAGGA_TATCCTCT_cDNA190916_G10_ ... ||
## || o lane7052_GTAGAGGA_TCTCTCCG_cDNA190916_A10_ ... ||
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## || o lane7052_TAAGGCGA_TCTCTCCG_cDNA190916_A1_6 ... ||
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## || o lane7052_TAGGCATG_CTAAGCCT_cDNA190916_C6_6 ... ||
## || o lane7052_TAGGCATG_CTCTCTAT_cDNA190916_H6_6 ... ||
## || o lane7052_TAGGCATG_GTAAGGAG_cDNA190916_F6_6 ... ||
## || o lane7052_TAGGCATG_TATCCTCT_cDNA190916_G6_6 ... ||
## || o lane7052_TAGGCATG_TCTCTCCG_cDNA190916_A6_6 ... ||
## || o lane7052_TCCTGAGC_AAGGAGTA_cDNA190916_D4_6 ... ||
## || o lane7052_TCCTGAGC_ACTGCATA_cDNA190916_E4_6 ... ||

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## || o lane7052_TCCTGAGC_CGTCTAAT_cDNA190916_B4_6 ... ||
## || o lane7052_TCCTGAGC_CTAAGCCT_cDNA190916_C4_6 ... ||
## || o lane7052_TCCTGAGC_CTCTCTAT_cDNA190916_H4_6 ... ||
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## || o lane7052_TCCTGAGC_TATCCTCT_cDNA190916_G4_6 ... ||
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## || o lane7023_AAGAGGCA_CGTCTAAT_cDNA190917_B9_6 ... ||
## || o lane7023_AAGAGGCA_CTAAGCCT_cDNA190917_C9_6 ... ||
## || o lane7023_AAGAGGCA_CTCTCTAT_cDNA190917_H9_6 ... ||
## || o lane7023_AAGAGGCA_GTAAGGAG_cDNA190917_F9_6 ... ||
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## || o lane7035_AAGAGGCA_CTCTCTAT_cDNA190919_H9_5 ... ||
## || o lane7035_AAGAGGCA_GTAAGGAG_cDNA190919_F9_5 ... ||

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## || o lane7035_GGACTCCT_CTAAGCCT_cDNA190919_C5_5 ... ||

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## || o lane7043_CGTACTAG_ACTGCATA_cDNA190920_E2_5 ... ||
## || o lane7043_CGTACTAG_CGTCTAAT_cDNA190920_B2_5 ... ||
## || o lane7043_CGTACTAG_CTAAGCCT_cDNA190920_C2_5 ... ||
## || o lane7043_CGTACTAG_CTCTCTAT_cDNA190920_H2_5 ... ||
## || o lane7043_CGTACTAG_GTAAGGAG_cDNA190920_F2_5 ... ||
## || o lane7043_CGTACTAG_TATCCTCT_cDNA190920_G2_5 ... ||
## || o lane7043_CGTACTAG_TCTCTCCG_cDNA190920_A2_5 ... ||
## || o lane7043_CTCTCTAC_AAGGAGTA_cDNA190920_D7_5 ... ||
## || o lane7043_CTCTCTAC_ACTGCATA_cDNA190920_E7_5 ... ||
## || o lane7043_CTCTCTAC_CGTCTAAT_cDNA190920_B7_5 ... ||
## || o lane7043_CTCTCTAC_CTAAGCCT_cDNA190920_C7_5 ... ||
## || 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_GTCATGA_AAGGAGTA_cDNA190920_D11_ ... ||
## || o lane7043_GTCATGA_ACTGCATA_cDNA190920_E11_ ... ||
## || o lane7043_GTCATGA_CGTCTAAT_cDNA190920_B11_ ... ||
## || o lane7043_GTCATGA_CTAAGCCT_cDNA190920_C11_ ... ||
## || o lane7043_GTCATGA_CTCTCTAT_cDNA190920_H11_ ... ||
## || o lane7043_GTCATGA_GTAAGGAG_cDNA190920_F11_ ... ||
## || o lane7043_GTCATGA_TATCCTCT_cDNA190920_G11_ ... ||
## || o lane7043_GTCATGA_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_ ... ||

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## || 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 ... ||
## || 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 ... ||

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## || 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 ... ||
## || 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 ... ||

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## || 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 ... ||
## || 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 : yes ||
## || Multimapping reads : counted ||
## || Multi-overlapping reads : not counted ||
## || Min overlapping bases : 1 ||
## ||
## || Chimeric reads : not counted ||
## || Both ends mapped : required ||
## ||
## \\=====//
##
## //===== 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 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 1290399 ||
## || Successfully assigned alignments : 1072986 (83.2%) ||
## || Running time : 0.08 minutes ||
## ||
## || Process BAM file lane6963_AAGAGGCA_ACTGCATA_cDNA190807_E9_594V_d42_L00 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 1072321 ||
## || Successfully assigned alignments : 873602 (81.5%) ||
## || Running time : 0.07 minutes ||
## ||
## || Process BAM file lane6963_AAGAGGCA_CGTCTAAT_cDNA190807_B9_594V_d42_L00 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 3174226 ||
## || Successfully assigned alignments : 2401568 (75.7%) ||
## || Running time : 0.18 minutes ||
## ||
## || Process BAM file lane6963_AAGAGGCA_CTAAGCCT_cDNA190807_C9_594V_d42_L00 ... ||
## || Paired-end reads are included. ||

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## || Total alignments : 1508888 ||
## || Successfully assigned alignments : 1242901 (82.4%) ||
## || Running time : 0.09 minutes ||
## ||
## || Process BAM file lane6963_AAGAGGCA_CTCTCTAT_cDNA190807_H9_594V_d42_L00 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 1916590 ||
## || Successfully assigned alignments : 1548868 (80.8%) ||
## || Running time : 0.11 minutes ||
## ||
## || Process BAM file lane6963_AAGAGGCA_GTAAGGAG_cDNA190807_F9_594V_d42_L00 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 1211652 ||
## || Successfully assigned alignments : 981516 (81.0%) ||
## || Running time : 0.07 minutes ||
## ||
## || Process BAM file lane6963_AAGAGGCA_TATCCTCT_cDNA190807_G9_594V_d42_L00 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 1359831 ||
## || Successfully assigned alignments : 1121107 (82.4%) ||
## || Running time : 0.08 minutes ||
## ||
## || Process BAM file lane6963_AAGAGGCA_TCTCTCCG_cDNA190807_A9_594V_d42_L00 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 2081010 ||
## || Successfully assigned alignments : 1642810 (78.9%) ||
## || Running time : 0.12 minutes ||
## ||
## || Process BAM file lane6963_AGGCAGAA_AAGGAGTA_cDNA190807_D3_545R_d42_L00 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 779306 ||
## || Successfully assigned alignments : 588250 (75.5%) ||
## || Running time : 0.05 minutes ||
## ||
## || Process BAM file lane6963_AGGCAGAA_ACTGCATA_cDNA190807_E3_545R_d42_L00 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 580346 ||
## || Successfully assigned alignments : 398093 (68.6%) ||
## || Running time : 0.04 minutes ||
## ||
## || Process BAM file lane6963_AGGCAGAA_CGTCTAAT_cDNA190807_B3_545R_d42_L00 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 2241807 ||
## || Successfully assigned alignments : 1956793 (87.3%) ||
## || Running time : 0.13 minutes ||
## ||
## || Process BAM file lane6963_AGGCAGAA_CTAAGCCT_cDNA190807_C3_545R_d42_L00 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 657986 ||
## || Successfully assigned alignments : 416598 (63.3%) ||
## || Running time : 0.04 minutes ||
## ||
## || Process BAM file lane6963_AGGCAGAA_CTCTCTAT_cDNA190807_H3_545R_d42_L00 ... ||
## || Paired-end reads are included. ||

```

```

## || Total alignments : 805 ||
## || Successfully assigned alignments : 12 (1.5%) ||
## || Running time : 0.00 minutes ||
## ||
## || Process BAM file lane6963_AGGCAGAA_GTAAGGAG_cDNA190807_F3_545R_d42_L00 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 629945 ||
## || Successfully assigned alignments : 503675 (80.0%) ||
## || Running time : 0.04 minutes ||
## ||
## || Process BAM file lane6963_AGGCAGAA_TATCCTCT_cDNA190807_G3_545R_d42_L00 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 1245533 ||
## || Successfully assigned alignments : 1051329 (84.4%) ||
## || Running time : 0.07 minutes ||
## ||
## || Process BAM file lane6963_AGGCAGAA_TCTCTCCG_cDNA190807_A3_545R_d42_L00 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 1267561 ||
## || Successfully assigned alignments : 927462 (73.2%) ||
## || Running time : 0.07 minutes ||
## ||
## || Process BAM file lane6963_ATCTCAGG_AAGGAGTA_cDNA190807_D12_594V_d42_L0 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 2720324 ||
## || Successfully assigned alignments : 2160138 (79.4%) ||
## || Running time : 0.15 minutes ||
## ||
## || Process BAM file lane6963_ATCTCAGG_ACTGCATA_cDNA190807_E12_594V_d42_L0 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 1390260 ||
## || Successfully assigned alignments : 1087653 (78.2%) ||
## || Running time : 0.08 minutes ||
## ||
## || Process BAM file lane6963_ATCTCAGG_CGTCTAAT_cDNA190807_B12_594V_d42_L0 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 4899048 ||
## || Successfully assigned alignments : 3944485 (80.5%) ||
## || Running time : 0.27 minutes ||
## ||
## || Process BAM file lane6963_ATCTCAGG_CTAAGCCT_cDNA190807_C12_594V_d42_L0 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 4022123 ||
## || Successfully assigned alignments : 3260317 (81.1%) ||
## || Running time : 0.23 minutes ||
## ||
## || Process BAM file lane6963_ATCTCAGG_CTCTCTAT_cDNA190807_H12_594V_d42_L0 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 2539537 ||
## || Successfully assigned alignments : 2030844 (80.0%) ||
## || Running time : 0.15 minutes ||
## ||
## || Process BAM file lane6963_ATCTCAGG_GTAAGGAG_cDNA190807_F12_594V_d42_L0 ... ||
## || Paired-end reads are included. ||

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## || Total alignments : 1623083 ||
## || Successfully assigned alignments : 1276772 (78.7%) ||
## || Running time : 0.09 minutes ||
## ||
## || Process BAM file lane6963_ATCTCAGG_TATCTCT_cDNA190807_G12_594V_d42_L0 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 3089568 ||
## || Successfully assigned alignments : 2415405 (78.2%) ||
## || Running time : 0.18 minutes ||
## ||
## || Process BAM file lane6963_ATCTCAGG_TCTCTCCG_cDNA190807_A12_594V_d42_L0 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 1182 ||
## || Successfully assigned alignments : 54 (4.6%) ||
## || Running time : 0.00 minutes ||
## ||
## || Process BAM file lane6963_CGAGGCTG_AAGGAGTA_cDNA190807_D8_594V_d0_L001 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 1347881 ||
## || Successfully assigned alignments : 1112585 (82.5%) ||
## || Running time : 0.08 minutes ||
## ||
## || Process BAM file lane6963_CGAGGCTG_ACTGCATA_cDNA190807_E8_594V_d0_L001 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 737413 ||
## || Successfully assigned alignments : 640340 (86.8%) ||
## || Running time : 0.05 minutes ||
## ||
## || Process BAM file lane6963_CGAGGCTG_CGTCTAAT_cDNA190807_B8_594V_d0_L001 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 2046186 ||
## || Successfully assigned alignments : 1549554 (75.7%) ||
## || Running time : 0.12 minutes ||
## ||
## || Process BAM file lane6963_CGAGGCTG_CTAAGCCT_cDNA190807_C8_594V_d0_L001 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 1296672 ||
## || Successfully assigned alignments : 1039425 (80.2%) ||
## || Running time : 0.08 minutes ||
## ||
## || Process BAM file lane6963_CGAGGCTG_CTCTCTAT_cDNA190807_H8_594V_d0_L001 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 1355492 ||
## || Successfully assigned alignments : 1091440 (80.5%) ||
## || Running time : 0.08 minutes ||
## ||
## || Process BAM file lane6963_CGAGGCTG_GTAAGGAG_cDNA190807_F8_594V_d0_L001 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 1016885 ||
## || Successfully assigned alignments : 819967 (80.6%) ||
## || Running time : 0.06 minutes ||
## ||
## || Process BAM file lane6963_CGAGGCTG_TATCTCT_cDNA190807_G8_594V_d0_L001 ... ||
## || Paired-end reads are included. ||

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```

## || Total alignments : 1373787 ||
## || Successfully assigned alignments : 1094365 (79.7%) ||
## || Running time : 0.08 minutes ||
## ||
## || Process BAM file lane6963_CGAGGCTG_TCTCTCCG_cDNA190807_A8_594V_d0_L001 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 2655742 ||
## || Successfully assigned alignments : 2143074 (80.7%) ||
## || Running time : 0.15 minutes ||
## ||
## || Process BAM file lane6963_CGTACTAG_AAGGAGTA_cDNA190807_D2_545R_d0_L001 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 1530326 ||
## || Successfully assigned alignments : 1307940 (85.5%) ||
## || Running time : 0.09 minutes ||
## ||
## || Process BAM file lane6963_CGTACTAG_ACTGCATA_cDNA190807_E2_545R_d42_L00 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 1338380 ||
## || Successfully assigned alignments : 1097996 (82.0%) ||
## || Running time : 0.08 minutes ||
## ||
## || Process BAM file lane6963_CGTACTAG_CGTCTAAT_cDNA190807_B2_545R_d0_L001 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 2449475 ||
## || Successfully assigned alignments : 1984192 (81.0%) ||
## || Running time : 0.14 minutes ||
## ||
## || Process BAM file lane6963_CGTACTAG_CTAAGCCT_cDNA190807_C2_545R_d0_L001 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 1688237 ||
## || Successfully assigned alignments : 1478941 (87.6%) ||
## || Running time : 0.09 minutes ||
## ||
## || Process BAM file lane6963_CGTACTAG_CTCTCTAT_cDNA190807_H2_545R_d42_L00 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 1788511 ||
## || Successfully assigned alignments : 1457883 (81.5%) ||
## || Running time : 0.10 minutes ||
## ||
## || Process BAM file lane6963_CGTACTAG_GTAAGGAG_cDNA190807_F2_545R_d42_L00 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 990296 ||
## || Successfully assigned alignments : 833050 (84.1%) ||
## || Running time : 0.06 minutes ||
## ||
## || Process BAM file lane6963_CGTACTAG_TATCCTCT_cDNA190807_G2_545R_d42_L00 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 1574372 ||
## || Successfully assigned alignments : 1337210 (84.9%) ||
## || Running time : 0.09 minutes ||
## ||
## || Process BAM file lane6963_CGTACTAG_TCTCTCCG_cDNA190807_A2_545R_d0_L001 ... ||
## || Paired-end reads are included. ||

```



```

## || Total alignments : 1933386 ||
## || Successfully assigned alignments : 1598291 (82.7%) ||
## || Running time : 0.11 minutes ||
## ||
## || Process BAM file lane6963_CTCTCTAC_AAGGAGTA_cDNA190807_D7_594V_d0_L001 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 509212 ||
## || Successfully assigned alignments : 398815 (78.3%) ||
## || Running time : 0.03 minutes ||
## ||
## || Process BAM file lane6963_CTCTCTAC_ACTGCATA_cDNA190807_E7_594V_d0_L001 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 902828 ||
## || Successfully assigned alignments : 668944 (74.1%) ||
## || Running time : 0.06 minutes ||
## ||
## || Process BAM file lane6963_CTCTCTAC_CGTCTAAT_cDNA190807_B7_594V_d0_L001 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 2216990 ||
## || Successfully assigned alignments : 1513444 (68.3%) ||
## || Running time : 0.12 minutes ||
## ||
## || Process BAM file lane6963_CTCTCTAC_CTAAGCCT_cDNA190807_C7_594V_d0_L001 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 1352576 ||
## || Successfully assigned alignments : 1123279 (83.0%) ||
## || Running time : 0.08 minutes ||
## ||
## || Process BAM file lane6963_CTCTCTAC_CTCTCTAT_cDNA190807_H7_594V_d0_L001 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 853585 ||
## || Successfully assigned alignments : 650461 (76.2%) ||
## || Running time : 0.05 minutes ||
## ||
## || Process BAM file lane6963_CTCTCTAC_GTAAGGAG_cDNA190807_F7_594V_d0_L001 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 1268985 ||
## || Successfully assigned alignments : 1020824 (80.4%) ||
## || Running time : 0.08 minutes ||
## ||
## || Process BAM file lane6963_CTCTCTAC_TATCCTCT_cDNA190807_G7_594V_d0_L001 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 1461928 ||
## || Successfully assigned alignments : 1136685 (77.8%) ||
## || Running time : 0.09 minutes ||
## ||
## || Process BAM file lane6963_CTCTCTAC_TCTCTCCG_cDNA190807_A7_594V_d0_L001 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 1955084 ||
## || Successfully assigned alignments : 1577328 (80.7%) ||
## || Running time : 0.11 minutes ||
## ||
## || Process BAM file lane6963_GCTCATGA_AAGGAGTA_cDNA190807_D11_594V_d42_L0 ... ||
## || Paired-end reads are included. ||

```

```

## || Total alignments : 2039988 ||
## || Successfully assigned alignments : 1706168 (83.6%) ||
## || Running time : 0.12 minutes ||
## ||
## || Process BAM file lane6963_GCTCATGA_ACTGCATA_cDNA190807_E11_594V_d42_L0 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 1350774 ||
## || Successfully assigned alignments : 1054722 (78.1%) ||
## || Running time : 0.08 minutes ||
## ||
## || Process BAM file lane6963_GCTCATGA_CGTCTAAT_cDNA190807_B11_594V_d42_L0 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 3624744 ||
## || Successfully assigned alignments : 2993668 (82.6%) ||
## || Running time : 0.20 minutes ||
## ||
## || Process BAM file lane6963_GCTCATGA_CTAAGCCT_cDNA190807_C11_594V_d42_L0 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 2227705 ||
## || Successfully assigned alignments : 1744297 (78.3%) ||
## || Running time : 0.13 minutes ||
## ||
## || Process BAM file lane6963_GCTCATGA_CTCTCTAT_cDNA190807_H11_594V_d42_L0 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 2279347 ||
## || Successfully assigned alignments : 1842042 (80.8%) ||
## || Running time : 0.13 minutes ||
## ||
## || Process BAM file lane6963_GCTCATGA_GTAAGGAG_cDNA190807_F11_594V_d42_L0 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 1498627 ||
## || Successfully assigned alignments : 1220316 (81.4%) ||
## || Running time : 0.09 minutes ||
## ||
## || Process BAM file lane6963_GCTCATGA_TATCCTCT_cDNA190807_G11_594V_d42_L0 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 2338626 ||
## || Successfully assigned alignments : 1885169 (80.6%) ||
## || Running time : 0.14 minutes ||
## ||
## || Process BAM file lane6963_GCTCATGA_TCTCTCCG_cDNA190807_A11_594V_d42_L0 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 653 ||
## || Successfully assigned alignments : 33 (5.1%) ||
## || Running time : 0.00 minutes ||
## ||
## || Process BAM file lane6963_GGACTCCT_AAGGAGTA_cDNA190807_D5_545R_d42_L00 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 326 ||
## || Successfully assigned alignments : 224 (68.7%) ||
## || Running time : 0.00 minutes ||
## ||
## || Process BAM file lane6963_GGACTCCT_ACTGCATA_cDNA190807_E5_545R_d42_L00 ... ||
## || Paired-end reads are included. ||

```

```

## || Total alignments : 55157 ||
## || Successfully assigned alignments : 42274 (76.6%) ||
## || Running time : 0.01 minutes ||
## ||
## || Process BAM file lane6963_GGACTCCT_CGCTCTAAT_cDNA190807_B5_545R_d42_L00 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 1266084 ||
## || Successfully assigned alignments : 1088593 (86.0%) ||
## || Running time : 0.07 minutes ||
## ||
## || Process BAM file lane6963_GGACTCCT_CTAAGCCT_cDNA190807_C5_545R_d42_L00 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 274757 ||
## || Successfully assigned alignments : 145538 (53.0%) ||
## || Running time : 0.02 minutes ||
## ||
## || Process BAM file lane6963_GGACTCCT_CTCTCTAT_cDNA190807_H5_545R_d42_L00 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 1459 ||
## || Successfully assigned alignments : 10 (0.7%) ||
## || Running time : 0.00 minutes ||
## ||
## || Process BAM file lane6963_GGACTCCT_GTAAGGAG_cDNA190807_F5_545R_d42_L00 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 340760 ||
## || Successfully assigned alignments : 237483 (69.7%) ||
## || Running time : 0.02 minutes ||
## ||
## || Process BAM file lane6963_GGACTCCT_TATCCTCT_cDNA190807_G5_545R_d42_L00 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 338449 ||
## || Successfully assigned alignments : 220773 (65.2%) ||
## || Running time : 0.03 minutes ||
## ||
## || Process BAM file lane6963_GGACTCCT_TCTCTCCG_cDNA190807_A5_545R_d42_L00 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 455 ||
## || Successfully assigned alignments : 295 (64.8%) ||
## || Running time : 0.00 minutes ||
## ||
## || Process BAM file lane6963_GTAGAGGA_AAGGAGTA_cDNA190807_D10_594V_d42_L0 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 1580121 ||
## || Successfully assigned alignments : 1315825 (83.3%) ||
## || Running time : 0.09 minutes ||
## ||
## || Process BAM file lane6963_GTAGAGGA_ACTGCATA_cDNA190807_E10_594V_d42_L0 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 485597 ||
## || Successfully assigned alignments : 417855 (86.0%) ||
## || Running time : 0.03 minutes ||
## ||
## || Process BAM file lane6963_GTAGAGGA_CGCTCTAAT_cDNA190807_B10_594V_d42_L0 ... ||
## || Paired-end reads are included. ||

```

```

## || Total alignments : 1923573 ||
## || Successfully assigned alignments : 1564550 (81.3%) ||
## || Running time : 0.11 minutes ||
## ||
## || Process BAM file lane6963_GTAGAGGA_CTAAGCCT_cDNA190807_C10_594V_d42_L0 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 2103830 ||
## || Successfully assigned alignments : 1760644 (83.7%) ||
## || Running time : 0.12 minutes ||
## ||
## || Process BAM file lane6963_GTAGAGGA_CTCTCTAT_cDNA190807_H10_594V_d42_L0 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 2069262 ||
## || Successfully assigned alignments : 1689386 (81.6%) ||
## || Running time : 0.12 minutes ||
## ||
## || Process BAM file lane6963_GTAGAGGA_GTAAGGAG_cDNA190807_F10_594V_d42_L0 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 1535563 ||
## || Successfully assigned alignments : 1267629 (82.6%) ||
## || Running time : 0.09 minutes ||
## ||
## || Process BAM file lane6963_GTAGAGGA_TATCCTCT_cDNA190807_G10_594V_d42_L0 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 2123038 ||
## || Successfully assigned alignments : 1707199 (80.4%) ||
## || Running time : 0.12 minutes ||
## ||
## || Process BAM file lane6963_GTAGAGGA_TCTCTCCG_cDNA190807_A10_594V_d42_L0 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 2912508 ||
## || Successfully assigned alignments : 2312111 (79.4%) ||
## || Running time : 0.16 minutes ||
## ||
## || Process BAM file lane6963_TAAGGCGA_AAGGAGTA_cDNA190807_D1_545R_d0_L001 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 1373199 ||
## || Successfully assigned alignments : 1127886 (82.1%) ||
## || Running time : 0.08 minutes ||
## ||
## || Process BAM file lane6963_TAAGGCGA_ACTGCATA_cDNA190807_E1_545R_d42_L00 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 474456 ||
## || Successfully assigned alignments : 396823 (83.6%) ||
## || Running time : 0.03 minutes ||
## ||
## || Process BAM file lane6963_TAAGGCGA_CGTCTAAT_cDNA190807_B1_545R_d0_L001 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 2325288 ||
## || Successfully assigned alignments : 1974675 (84.9%) ||
## || Running time : 0.13 minutes ||
## ||
## || Process BAM file lane6963_TAAGGCGA_CTAAGCCT_cDNA190807_C1_545R_d0_L001 ... ||
## || Paired-end reads are included. ||

```

```

## || Total alignments : 1396749 ||
## || Successfully assigned alignments : 1162498 (83.2%) ||
## || Running time : 0.08 minutes ||
## ||
## || Process BAM file lane6963_TAAGGCGA_CTCTCTAT_cDNA190807_H1_545R_d42_L00 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 1407947 ||
## || Successfully assigned alignments : 1229941 (87.4%) ||
## || Running time : 0.08 minutes ||
## ||
## || Process BAM file lane6963_TAAGGCGA_GTAAGGAG_cDNA190807_F1_545R_d42_L00 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 734429 ||
## || Successfully assigned alignments : 632612 (86.1%) ||
## || Running time : 0.05 minutes ||
## ||
## || Process BAM file lane6963_TAAGGCGA_TATCCTCT_cDNA190807_G1_545R_d42_L00 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 1150253 ||
## || Successfully assigned alignments : 980731 (85.3%) ||
## || Running time : 0.07 minutes ||
## ||
## || Process BAM file lane6963_TAAGGCGA_TCTCTCCG_cDNA190807_A1_545R_d0_L001 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 1991762 ||
## || Successfully assigned alignments : 1578602 (79.3%) ||
## || Running time : 0.11 minutes ||
## ||
## || Process BAM file lane6963_TAGGCATG_AAGGAGTA_cDNA190807_D6_545R_d42_L00 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 123619 ||
## || Successfully assigned alignments : 86337 (69.8%) ||
## || Running time : 0.01 minutes ||
## ||
## || Process BAM file lane6963_TAGGCATG_ACTGCATA_cDNA190807_E6_545R_d42_L00 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 322218 ||
## || Successfully assigned alignments : 241184 (74.9%) ||
## || Running time : 0.02 minutes ||
## ||
## || Process BAM file lane6963_TAGGCATG_CGTCTAAT_cDNA190807_B6_545R_d42_L00 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 828455 ||
## || Successfully assigned alignments : 560914 (67.7%) ||
## || Running time : 0.05 minutes ||
## ||
## || Process BAM file lane6963_TAGGCATG_CTAAGCCT_cDNA190807_C6_545R_d42_L00 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 877756 ||
## || Successfully assigned alignments : 636409 (72.5%) ||
## || Running time : 0.05 minutes ||
## ||
## || Process BAM file lane6963_TAGGCATG_CTCTCTAT_cDNA190807_H6_545R_d42_L00 ... ||
## || Paired-end reads are included. ||

```

```

## || Total alignments : 859265 ||
## || Successfully assigned alignments : 731837 (85.2%) ||
## || Running time : 0.05 minutes ||
## ||
## || Process BAM file lane6963_TAGGCATG_GTAAGGAG_cDNA190807_F6_545R_d42_L00 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 65914 ||
## || Successfully assigned alignments : 49024 (74.4%) ||
## || Running time : 0.01 minutes ||
## ||
## || Process BAM file lane6963_TAGGCATG_TATCCTCT_cDNA190807_G6_545R_d42_L00 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 1323242 ||
## || Successfully assigned alignments : 1061257 (80.2%) ||
## || Running time : 0.08 minutes ||
## ||
## || Process BAM file lane6963_TAGGCATG_TCTCTCCG_cDNA190807_A6_545R_d42_L00 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 1705227 ||
## || Successfully assigned alignments : 1231046 (72.2%) ||
## || Running time : 0.10 minutes ||
## ||
## || Process BAM file lane6963_TCCTGAGC_AAGGAGTA_cDNA190807_D4_545R_d42_L00 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 120243 ||
## || Successfully assigned alignments : 87160 (72.5%) ||
## || Running time : 0.01 minutes ||
## ||
## || Process BAM file lane6963_TCCTGAGC_ACTGCATA_cDNA190807_E4_545R_d42_L00 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 90855 ||
## || Successfully assigned alignments : 68968 (75.9%) ||
## || Running time : 0.01 minutes ||
## ||
## || Process BAM file lane6963_TCCTGAGC_CGTCTAAT_cDNA190807_B4_545R_d42_L00 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 1368528 ||
## || Successfully assigned alignments : 1138250 (83.2%) ||
## || Running time : 0.08 minutes ||
## ||
## || Process BAM file lane6963_TCCTGAGC_CTAAGCCT_cDNA190807_C4_545R_d42_L00 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 559090 ||
## || Successfully assigned alignments : 424691 (76.0%) ||
## || Running time : 0.04 minutes ||
## ||
## || Process BAM file lane6963_TCCTGAGC_CTCTCTAT_cDNA190807_H4_545R_d42_L00 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 788 ||
## || Successfully assigned alignments : 4 (0.5%) ||
## || Running time : 0.00 minutes ||
## ||
## || Process BAM file lane6963_TCCTGAGC_GTAAGGAG_cDNA190807_F4_545R_d42_L00 ... ||
## || Paired-end reads are included. ||

```

```

## || Total alignments : 31045 ||
## || Successfully assigned alignments : 23121 (74.5%) ||
## || Running time : 0.00 minutes ||
## ||
## || Process BAM file lane6963_TCCTGAGC_TATCCTCT_cDNA190807_G4_545R_d42_L00 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 1238486 ||
## || Successfully assigned alignments : 1093912 (88.3%) ||
## || Running time : 0.08 minutes ||
## ||
## || Process BAM file lane6963_TCCTGAGC_TCTCTCCG_cDNA190807_A4_545R_d42_L00 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 1138034 ||
## || Successfully assigned alignments : 874728 (76.9%) ||
## || Running time : 0.07 minutes ||
## ||
## || Process BAM file lane6966_AAGAGGCA_AAGGAGTA_cDNA190819_D9_562K_d42_L00 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 318422 ||
## || Successfully assigned alignments : 231962 (72.8%) ||
## || Running time : 0.02 minutes ||
## ||
## || Process BAM file lane6966_AAGAGGCA_ACTGCATA_cDNA190819_E9_562K_d42_L00 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 411 ||
## || Successfully assigned alignments : 239 (58.2%) ||
## || Running time : 0.00 minutes ||
## ||
## || Process BAM file lane6966_AAGAGGCA_CGTCTAAT_cDNA190819_B9_562K_d42_L00 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 2546768 ||
## || Successfully assigned alignments : 2006550 (78.8%) ||
## || Running time : 0.14 minutes ||
## ||
## || Process BAM file lane6966_AAGAGGCA_CTAAGCCT_cDNA190819_C9_562K_d42_L00 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 179 ||
## || Successfully assigned alignments : 56 (31.3%) ||
## || Running time : 0.00 minutes ||
## ||
## || Process BAM file lane6966_AAGAGGCA_CTCTCTAT_cDNA190819_H9_562K_d42_L00 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 2684746 ||
## || Successfully assigned alignments : 2323009 (86.5%) ||
## || Running time : 0.15 minutes ||
## ||
## || Process BAM file lane6966_AAGAGGCA_GTAAGGAG_cDNA190819_F9_562K_d42_L00 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 418936 ||
## || Successfully assigned alignments : 300521 (71.7%) ||
## || Running time : 0.03 minutes ||
## ||
## || Process BAM file lane6966_AAGAGGCA_TATCCTCT_cDNA190819_G9_562K_d42_L00 ... ||
## || Paired-end reads are included. ||

```

```

## || Total alignments : 329685 ||
## || Successfully assigned alignments : 233837 (70.9%) ||
## || Running time : 0.03 minutes ||
## ||
## || Process BAM file lane6966_AAGAGGCA_TCTCTCCG_cDNA190819_A9_562K_d42_L00 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 9647 ||
## || Successfully assigned alignments : 6062 (62.8%) ||
## || Running time : 0.00 minutes ||
## ||
## || Process BAM file lane6966_AGGCAGAA_AAGGAGTA_cDNA190819_D3_543P_d42_L00 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 1463182 ||
## || Successfully assigned alignments : 1220195 (83.4%) ||
## || Running time : 0.09 minutes ||
## ||
## || Process BAM file lane6966_AGGCAGAA_ACTGCATA_cDNA190819_E3_543P_d42_L00 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 1334583 ||
## || Successfully assigned alignments : 1067087 (80.0%) ||
## || Running time : 0.08 minutes ||
## ||
## || Process BAM file lane6966_AGGCAGAA_CGTCTAAT_cDNA190819_B3_543P_d42_L00 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 2265052 ||
## || Successfully assigned alignments : 1906127 (84.2%) ||
## || Running time : 0.13 minutes ||
## ||
## || Process BAM file lane6966_AGGCAGAA_CTAAGCCT_cDNA190819_C3_543P_d42_L00 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 1771059 ||
## || Successfully assigned alignments : 1510941 (85.3%) ||
## || Running time : 0.10 minutes ||
## ||
## || Process BAM file lane6966_AGGCAGAA_CTCTCTAT_cDNA190819_H3_543P_d42_L00 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 648637 ||
## || Successfully assigned alignments : 537408 (82.9%) ||
## || Running time : 0.04 minutes ||
## ||
## || Process BAM file lane6966_AGGCAGAA_GTAAGGAG_cDNA190819_F3_543P_d42_L00 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 641398 ||
## || Successfully assigned alignments : 559610 (87.2%) ||
## || Running time : 0.04 minutes ||
## ||
## || Process BAM file lane6966_AGGCAGAA_TATCCTCT_cDNA190819_G3_543P_d42_L00 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 1542888 ||
## || Successfully assigned alignments : 1320528 (85.6%) ||
## || Running time : 0.09 minutes ||
## ||
## || Process BAM file lane6966_AGGCAGAA_TCTCTCCG_cDNA190819_A3_543P_d42_L00 ... ||
## || Paired-end reads are included. ||

```



```

## || Total alignments : 1914224 ||
## || Successfully assigned alignments : 1624446 (84.9%) ||
## || Running time : 0.11 minutes ||
## ||
## || Process BAM file lane6966_ATCTCAGG_AAGGAGTA_cDNA190819_D12_562K_d42_L0 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 3563312 ||
## || Successfully assigned alignments : 2723355 (76.4%) ||
## || Running time : 0.19 minutes ||
## ||
## || Process BAM file lane6966_ATCTCAGG_ACTGCATA_cDNA190819_E12_562K_d42_L0 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 263561 ||
## || Successfully assigned alignments : 172936 (65.6%) ||
## || Running time : 0.02 minutes ||
## ||
## || Process BAM file lane6966_ATCTCAGG_CGTCTAAT_cDNA190819_B12_562K_d42_L0 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 6520884 ||
## || Successfully assigned alignments : 4275438 (65.6%) ||
## || Running time : 0.35 minutes ||
## ||
## || Process BAM file lane6966_ATCTCAGG_CTAAGCCT_cDNA190819_C12_562K_d42_L0 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 2641397 ||
## || Successfully assigned alignments : 1869211 (70.8%) ||
## || Running time : 0.15 minutes ||
## ||
## || Process BAM file lane6966_ATCTCAGG_CTCTCTAT_cDNA190819_H12_562K_d42_L0 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 3533137 ||
## || Successfully assigned alignments : 2911448 (82.4%) ||
## || Running time : 0.20 minutes ||
## ||
## || Process BAM file lane6966_ATCTCAGG_GTAAGGAG_cDNA190819_F12_562K_d42_L0 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 563297 ||
## || Successfully assigned alignments : 337596 (59.9%) ||
## || Running time : 0.04 minutes ||
## ||
## || Process BAM file lane6966_ATCTCAGG_TATCCTCT_cDNA190819_G12_562K_d42_L0 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 1361527 ||
## || Successfully assigned alignments : 991655 (72.8%) ||
## || Running time : 0.08 minutes ||
## ||
## || Process BAM file lane6966_ATCTCAGG_TCTCTCCG_cDNA190819_A12_562K_d42_L0 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 6624476 ||
## || Successfully assigned alignments : 5365531 (81.0%) ||
## || Running time : 0.36 minutes ||
## ||
## || Process BAM file lane6966_CGAGGCTG_AAGGAGTA_cDNA190819_D8_562K_d0_L001 ... ||
## || Paired-end reads are included. ||

```

```

## || Total alignments : 1398301 ||
## || Successfully assigned alignments : 1206085 (86.3%) ||
## || Running time : 0.08 minutes ||
## ||
## || Process BAM file lane6966_CGAGGCTG_ACTGCATA_cDNA190819_E8_562K_d0_L001 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 1371296 ||
## || Successfully assigned alignments : 1145895 (83.6%) ||
## || Running time : 0.08 minutes ||
## ||
## || Process BAM file lane6966_CGAGGCTG_CGTCTAAT_cDNA190819_B8_562K_d0_L001 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 207808 ||
## || Successfully assigned alignments : 159332 (76.7%) ||
## || Running time : 0.02 minutes ||
## ||
## || Process BAM file lane6966_CGAGGCTG_CTAAGCCT_cDNA190819_C8_562K_d0_L001 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 2254549 ||
## || Successfully assigned alignments : 1973942 (87.6%) ||
## || Running time : 0.13 minutes ||
## ||
## || Process BAM file lane6966_CGAGGCTG_CTCTCTAT_cDNA190819_H8_562K_d0_L001 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 3101929 ||
## || Successfully assigned alignments : 2655195 (85.6%) ||
## || Running time : 0.18 minutes ||
## ||
## || Process BAM file lane6966_CGAGGCTG_GTAAGGAG_cDNA190819_F8_562K_d0_L001 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 1075197 ||
## || Successfully assigned alignments : 909400 (84.6%) ||
## || Running time : 0.07 minutes ||
## ||
## || Process BAM file lane6966_CGAGGCTG_TATCCTCT_cDNA190819_G8_562K_d0_L001 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 230935 ||
## || Successfully assigned alignments : 178826 (77.4%) ||
## || Running time : 0.02 minutes ||
## ||
## || Process BAM file lane6966_CGAGGCTG_TCTCTCCG_cDNA190819_A8_562K_d0_L001 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 3933545 ||
## || Successfully assigned alignments : 3237362 (82.3%) ||
## || Running time : 0.22 minutes ||
## ||
## || Process BAM file lane6966_CGTACTAG_AAGGAGTA_cDNA190819_D2_543P_d0_L001 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 1950218 ||
## || Successfully assigned alignments : 1616536 (82.9%) ||
## || Running time : 0.11 minutes ||
## ||
## || Process BAM file lane6966_CGTACTAG_ACTGCATA_cDNA190819_E2_543P_d0_L001 ... ||
## || Paired-end reads are included. ||

```

```

## || Total alignments : 661602 ||
## || Successfully assigned alignments : 568973 (86.0%) ||
## || Running time : 0.04 minutes ||
## ||
## || Process BAM file lane6966_CGTACTAG_CGTCTAAT_cDNA190819_B2_543P_d0_L001 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 2346811 ||
## || Successfully assigned alignments : 1980565 (84.4%) ||
## || Running time : 0.13 minutes ||
## ||
## || Process BAM file lane6966_CGTACTAG_CTAAGCCT_cDNA190819_C2_543P_d0_L001 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 94 ||
## || Successfully assigned alignments : 86 (91.5%) ||
## || Running time : 0.00 minutes ||
## ||
## || Process BAM file lane6966_CGTACTAG_CTCTCTAT_cDNA190819_H2_543P_d0_L001 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 1280168 ||
## || Successfully assigned alignments : 1112332 (86.9%) ||
## || Running time : 0.07 minutes ||
## ||
## || Process BAM file lane6966_CGTACTAG_GTAAGGAG_cDNA190819_F2_543P_d0_L001 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 1149766 ||
## || Successfully assigned alignments : 979091 (85.2%) ||
## || Running time : 0.07 minutes ||
## ||
## || Process BAM file lane6966_CGTACTAG_TATCCTCT_cDNA190819_G2_543P_d0_L001 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 592784 ||
## || Successfully assigned alignments : 505595 (85.3%) ||
## || Running time : 0.04 minutes ||
## ||
## || Process BAM file lane6966_CGTACTAG_TCTCTCCG_cDNA190819_A2_543P_d0_L001 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 2015903 ||
## || Successfully assigned alignments : 1749891 (86.8%) ||
## || Running time : 0.11 minutes ||
## ||
## || Process BAM file lane6966_CTCTCTAC_AAGGAGTA_cDNA190819_D7_562K_d0_L001 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 1272497 ||
## || Successfully assigned alignments : 1048126 (82.4%) ||
## || Running time : 0.08 minutes ||
## ||
## || Process BAM file lane6966_CTCTCTAC_ACTGCATA_cDNA190819_E7_562K_d0_L001 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 2040951 ||
## || Successfully assigned alignments : 1755516 (86.0%) ||
## || Running time : 0.12 minutes ||
## ||
## || Process BAM file lane6966_CTCTCTAC_CGTCTAAT_cDNA190819_B7_562K_d0_L001 ... ||
## || Paired-end reads are included. ||

```

```

## || Total alignments : 4161025 ||
## || Successfully assigned alignments : 3615517 (86.9%) ||
## || Running time : 0.23 minutes ||
## ||
## || Process BAM file lane6966_CTCTCTAC_CTAAGCCT_cDNA190819_C7_562K_d0_L001 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 750607 ||
## || Successfully assigned alignments : 638196 (85.0%) ||
## || Running time : 0.04 minutes ||
## ||
## || Process BAM file lane6966_CTCTCTAC_CTCTCTAT_cDNA190819_H7_562K_d0_L001 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 3203468 ||
## || Successfully assigned alignments : 2704585 (84.4%) ||
## || Running time : 0.18 minutes ||
## ||
## || Process BAM file lane6966_CTCTCTAC_GTAAGGAG_cDNA190819_F7_562K_d0_L001 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 1130895 ||
## || Successfully assigned alignments : 946735 (83.7%) ||
## || Running time : 0.07 minutes ||
## ||
## || Process BAM file lane6966_CTCTCTAC_TATCCTCT_cDNA190819_G7_562K_d0_L001 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 2912376 ||
## || Successfully assigned alignments : 2389064 (82.0%) ||
## || Running time : 0.17 minutes ||
## ||
## || Process BAM file lane6966_CTCTCTAC_TCTCTCCG_cDNA190819_A7_562K_d0_L001 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 448598 ||
## || Successfully assigned alignments : 354934 (79.1%) ||
## || Running time : 0.03 minutes ||
## ||
## || Process BAM file lane6966_GCTCATGA_AAGGAGTA_cDNA190819_D11_562K_d42_L0 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 226 ||
## || Successfully assigned alignments : 86 (38.1%) ||
## || Running time : 0.00 minutes ||
## ||
## || Process BAM file lane6966_GCTCATGA_ACTGCATA_cDNA190819_E11_562K_d42_L0 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 2982539 ||
## || Successfully assigned alignments : 2524648 (84.6%) ||
## || Running time : 0.18 minutes ||
## ||
## || Process BAM file lane6966_GCTCATGA_CGTCTAAT_cDNA190819_B11_562K_d42_L0 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 2435 ||
## || Successfully assigned alignments : 1498 (61.5%) ||
## || Running time : 0.00 minutes ||
## ||
## || Process BAM file lane6966_GCTCATGA_CTAAGCCT_cDNA190819_C11_562K_d42_L0 ... ||
## || Paired-end reads are included. ||

```

```

## || Total alignments : 969577 ||
## || Successfully assigned alignments : 728464 (75.1%) ||
## || Running time : 0.06 minutes ||
## ||
## || Process BAM file lane6966_GCTCATGA_CTCTCTAT_cDNA190819_H11_562K_d42_L0 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 2496448 ||
## || Successfully assigned alignments : 1870356 (74.9%) ||
## || Running time : 0.14 minutes ||
## ||
## || Process BAM file lane6966_GCTCATGA_GTAAGGAG_cDNA190819_F11_562K_d42_L0 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 6537 ||
## || Successfully assigned alignments : 4786 (73.2%) ||
## || Running time : 0.00 minutes ||
## ||
## || Process BAM file lane6966_GCTCATGA_TATCCTCT_cDNA190819_G11_562K_d42_L0 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 2388428 ||
## || Successfully assigned alignments : 1530648 (64.1%) ||
## || Running time : 0.13 minutes ||
## ||
## || Process BAM file lane6966_GCTCATGA_TCTCTCCG_cDNA190819_A11_562K_d42_L0 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 786 ||
## || Successfully assigned alignments : 118 (15.0%) ||
## || Running time : 0.00 minutes ||
## ||
## || Process BAM file lane6966_GGACTCCT_AAGGAGTA_cDNA190819_D5_543P_d42_L00 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 564271 ||
## || Successfully assigned alignments : 438035 (77.6%) ||
## || Running time : 0.04 minutes ||
## ||
## || Process BAM file lane6966_GGACTCCT_ACTGCATA_cDNA190819_E5_543P_d42_L00 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 1392759 ||
## || Successfully assigned alignments : 1202182 (86.3%) ||
## || Running time : 0.08 minutes ||
## ||
## || Process BAM file lane6966_GGACTCCT_CGTCTAAT_cDNA190819_B5_543P_d42_L00 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 1933567 ||
## || Successfully assigned alignments : 1584523 (81.9%) ||
## || Running time : 0.11 minutes ||
## ||
## || Process BAM file lane6966_GGACTCCT_CTAAGCCT_cDNA190819_C5_543P_d42_L00 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 992083 ||
## || Successfully assigned alignments : 767847 (77.4%) ||
## || Running time : 0.06 minutes ||
## ||
## || Process BAM file lane6966_GGACTCCT_CTCTCTAT_cDNA190819_H5_543P_d42_L00 ... ||
## || Paired-end reads are included. ||

```

```

## || Total alignments : 2213833 ||
## || Successfully assigned alignments : 1936676 (87.5%) ||
## || Running time : 0.13 minutes ||
## ||
## || Process BAM file lane6966_GGACTCCT_GTAAGGAG_cDNA190819_F5_543P_d42_L00 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 1261274 ||
## || Successfully assigned alignments : 1057792 (83.9%) ||
## || Running time : 0.08 minutes ||
## ||
## || Process BAM file lane6966_GGACTCCT_TATCCTCT_cDNA190819_G5_543P_d42_L00 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 1968542 ||
## || Successfully assigned alignments : 1690109 (85.9%) ||
## || Running time : 0.11 minutes ||
## ||
## || Process BAM file lane6966_GGACTCCT_TCTCTCCG_cDNA190819_A5_543P_d42_L00 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 2886610 ||
## || Successfully assigned alignments : 2492023 (86.3%) ||
## || Running time : 0.16 minutes ||
## ||
## || Process BAM file lane6966_GTAGAGGA_AAGGAGTA_cDNA190819_D10_562K_d42_L0 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 1125042 ||
## || Successfully assigned alignments : 816866 (72.6%) ||
## || Running time : 0.07 minutes ||
## ||
## || Process BAM file lane6966_GTAGAGGA_ACTGCATA_cDNA190819_E10_562K_d42_L0 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 118803 ||
## || Successfully assigned alignments : 85623 (72.1%) ||
## || Running time : 0.01 minutes ||
## ||
## || Process BAM file lane6966_GTAGAGGA_CGTCTAAT_cDNA190819_B10_562K_d42_L0 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 473 ||
## || Successfully assigned alignments : 87 (18.4%) ||
## || Running time : 0.00 minutes ||
## ||
## || Process BAM file lane6966_GTAGAGGA_CTAAGCCT_cDNA190819_C10_562K_d42_L0 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 61940 ||
## || Successfully assigned alignments : 47786 (77.1%) ||
## || Running time : 0.01 minutes ||
## ||
## || Process BAM file lane6966_GTAGAGGA_CTCTCTAT_cDNA190819_H10_562K_d42_L0 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 241 ||
## || Successfully assigned alignments : 100 (41.5%) ||
## || Running time : 0.00 minutes ||
## ||
## || Process BAM file lane6966_GTAGAGGA_GTAAGGAG_cDNA190819_F10_562K_d42_L0 ... ||
## || Paired-end reads are included. ||

```

```

## || Total alignments : 509 ||
## || Successfully assigned alignments : 252 (49.5%) ||
## || Running time : 0.00 minutes ||
## ||
## || Process BAM file lane6966_GTAGAGGA_TATCCTCT_cDNA190819_G10_562K_d42_L0 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 678750 ||
## || Successfully assigned alignments : 425361 (62.7%) ||
## || Running time : 0.04 minutes ||
## ||
## || Process BAM file lane6966_GTAGAGGA_TCTCTCCG_cDNA190819_A10_562K_d42_L0 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 973 ||
## || Successfully assigned alignments : 346 (35.6%) ||
## || Running time : 0.00 minutes ||
## ||
## || Process BAM file lane6966_TAAGGCGA_AAGGAGTA_cDNA190819_D1_543P_d0_L001 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 535217 ||
## || Successfully assigned alignments : 455498 (85.1%) ||
## || Running time : 0.04 minutes ||
## ||
## || Process BAM file lane6966_TAAGGCGA_ACTGCATA_cDNA190819_E1_543P_d0_L001 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 358777 ||
## || Successfully assigned alignments : 305403 (85.1%) ||
## || Running time : 0.02 minutes ||
## ||
## || Process BAM file lane6966_TAAGGCGA_CGTCTAAT_cDNA190819_B1_543P_d0_L001 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 2239110 ||
## || Successfully assigned alignments : 1904407 (85.1%) ||
## || Running time : 0.12 minutes ||
## ||
## || Process BAM file lane6966_TAAGGCGA_CTAAGCCT_cDNA190819_C1_543P_d0_L001 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 56 ||
## || Successfully assigned alignments : 45 (80.4%) ||
## || Running time : 0.00 minutes ||
## ||
## || Process BAM file lane6966_TAAGGCGA_CTCTCTAT_cDNA190819_H1_543P_d0_L001 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 576092 ||
## || Successfully assigned alignments : 495607 (86.0%) ||
## || Running time : 0.04 minutes ||
## ||
## || Process BAM file lane6966_TAAGGCGA_GTAAGGAG_cDNA190819_F1_543P_d0_L001 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 605348 ||
## || Successfully assigned alignments : 508834 (84.1%) ||
## || Running time : 0.04 minutes ||
## ||
## || Process BAM file lane6966_TAAGGCGA_TATCCTCT_cDNA190819_G1_543P_d0_L001 ... ||
## || Paired-end reads are included. ||

```

```

## || Total alignments : 1632625 ||
## || Successfully assigned alignments : 1301418 (79.7%) ||
## || Running time : 0.09 minutes ||
## ||
## || Process BAM file lane6966_TAAGGCGA_TCTCTCCG_cDNA190819_A1_543P_d0_L001 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 846601 ||
## || Successfully assigned alignments : 701828 (82.9%) ||
## || Running time : 0.05 minutes ||
## ||
## || Process BAM file lane6966_TAGGCATG_AAGGAGTA_cDNA190819_D6_543P_d42_L00 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 1278689 ||
## || Successfully assigned alignments : 1086019 (84.9%) ||
## || Running time : 0.08 minutes ||
## ||
## || Process BAM file lane6966_TAGGCATG_ACTGCATA_cDNA190819_E6_543P_d42_L00 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 857004 ||
## || Successfully assigned alignments : 623406 (72.7%) ||
## || Running time : 0.05 minutes ||
## ||
## || Process BAM file lane6966_TAGGCATG_CGTCTAAT_cDNA190819_B6_543P_d42_L00 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 213811 ||
## || Successfully assigned alignments : 158302 (74.0%) ||
## || Running time : 0.02 minutes ||
## ||
## || Process BAM file lane6966_TAGGCATG_CTAAGCCT_cDNA190819_C6_543P_d42_L00 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 1612412 ||
## || Successfully assigned alignments : 1376118 (85.3%) ||
## || Running time : 0.09 minutes ||
## ||
## || Process BAM file lane6966_TAGGCATG_CTCTCTAT_cDNA190819_H6_543P_d42_L00 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 2774307 ||
## || Successfully assigned alignments : 2259658 (81.4%) ||
## || Running time : 0.16 minutes ||
## ||
## || Process BAM file lane6966_TAGGCATG_GTAAGGAG_cDNA190819_F6_543P_d42_L00 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 1220109 ||
## || Successfully assigned alignments : 1064288 (87.2%) ||
## || Running time : 0.07 minutes ||
## ||
## || Process BAM file lane6966_TAGGCATG_TATCCTCT_cDNA190819_G6_543P_d42_L00 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 887091 ||
## || Successfully assigned alignments : 688527 (77.6%) ||
## || Running time : 0.06 minutes ||
## ||
## || Process BAM file lane6966_TAGGCATG_TCTCTCCG_cDNA190819_A6_543P_d42_L00 ... ||
## || Paired-end reads are included. ||

```



```

## || Total alignments : 1673640 ||
## || Successfully assigned alignments : 1250624 (74.7%) ||
## || Running time : 0.10 minutes ||
## ||
## || Process BAM file lane6966_TCCTGAGC_AAGGAGTA_cDNA190819_D4_543P_d42_L00 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 311483 ||
## || Successfully assigned alignments : 267538 (85.9%) ||
## || Running time : 0.02 minutes ||
## ||
## || Process BAM file lane6966_TCCTGAGC_ACTGCATA_cDNA190819_E4_543P_d42_L00 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 806131 ||
## || Successfully assigned alignments : 692415 (85.9%) ||
## || Running time : 0.05 minutes ||
## ||
## || Process BAM file lane6966_TCCTGAGC_CGTCTAAT_cDNA190819_B4_543P_d42_L00 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 2908549 ||
## || Successfully assigned alignments : 2490612 (85.6%) ||
## || Running time : 0.16 minutes ||
## ||
## || Process BAM file lane6966_TCCTGAGC_CTAAGCCT_cDNA190819_C4_543P_d42_L00 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 1262766 ||
## || Successfully assigned alignments : 1021254 (80.9%) ||
## || Running time : 0.07 minutes ||
## ||
## || Process BAM file lane6966_TCCTGAGC_CTCTCTAT_cDNA190819_H4_543P_d42_L00 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 1393409 ||
## || Successfully assigned alignments : 1177948 (84.5%) ||
## || Running time : 0.08 minutes ||
## ||
## || Process BAM file lane6966_TCCTGAGC_GTAAGGAG_cDNA190819_F4_543P_d42_L00 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 699256 ||
## || Successfully assigned alignments : 595522 (85.2%) ||
## || Running time : 0.04 minutes ||
## ||
## || Process BAM file lane6966_TCCTGAGC_TATCCTCT_cDNA190819_G4_543P_d42_L00 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 609322 ||
## || Successfully assigned alignments : 521473 (85.6%) ||
## || Running time : 0.04 minutes ||
## ||
## || Process BAM file lane6966_TCCTGAGC_TCTCTCCG_cDNA190819_A4_543P_d42_L00 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 2206224 ||
## || Successfully assigned alignments : 1950750 (88.4%) ||
## || Running time : 0.13 minutes ||
## ||
## || Process BAM file lane6967_AAGAGGCA_AAGGAGTA_cDNA190820_D9_559G_d42_L00 ... ||
## || Paired-end reads are included. ||

```

```

## || Total alignments : 745972 ||
## || Successfully assigned alignments : 533992 (71.6%) ||
## || Running time : 0.05 minutes ||
## ||
## || Process BAM file lane6967_AAGAGGCA_ACTGCATA_cDNA190820_E9_559G_d42_L00 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 1272073 ||
## || Successfully assigned alignments : 916953 (72.1%) ||
## || Running time : 0.08 minutes ||
## ||
## || Process BAM file lane6967_AAGAGGCA_CGTCTAAT_cDNA190820_B9_559G_d42_L00 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 2019117 ||
## || Successfully assigned alignments : 1454937 (72.1%) ||
## || Running time : 0.12 minutes ||
## ||
## || Process BAM file lane6967_AAGAGGCA_CTAAGCCT_cDNA190820_C9_559G_d42_L00 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 1110981 ||
## || Successfully assigned alignments : 613995 (55.3%) ||
## || Running time : 0.07 minutes ||
## ||
## || Process BAM file lane6967_AAGAGGCA_CTCTCTAT_cDNA190820_H9_559G_d42_L00 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 1162137 ||
## || Successfully assigned alignments : 842696 (72.5%) ||
## || Running time : 0.07 minutes ||
## ||
## || Process BAM file lane6967_AAGAGGCA_GTAAGGAG_cDNA190820_F9_559G_d42_L00 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 828765 ||
## || Successfully assigned alignments : 560666 (67.7%) ||
## || Running time : 0.05 minutes ||
## ||
## || Process BAM file lane6967_AAGAGGCA_TATCCTCT_cDNA190820_G9_559G_d42_L00 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 866744 ||
## || Successfully assigned alignments : 626804 (72.3%) ||
## || Running time : 0.05 minutes ||
## ||
## || Process BAM file lane6967_AAGAGGCA_TCTCTCCG_cDNA190820_A9_559G_d42_L00 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 1452927 ||
## || Successfully assigned alignments : 1085334 (74.7%) ||
## || Running time : 0.09 minutes ||
## ||
## || Process BAM file lane6967_AGGCAGAA_AAGGAGTA_cDNA190820_D3_520P_d42_L00 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 996131 ||
## || Successfully assigned alignments : 759582 (76.3%) ||
## || Running time : 0.06 minutes ||
## ||
## || Process BAM file lane6967_AGGCAGAA_ACTGCATA_cDNA190820_E3_520P_d42_L00 ... ||
## || Paired-end reads are included. ||

```

```

## || Total alignments : 737508 ||
## || Successfully assigned alignments : 528715 (71.7%) ||
## || Running time : 0.05 minutes ||
## ||
## || Process BAM file lane6967_AGGCAGAA_CGTCTAAT_cDNA190820_B3_520P_d42_L00 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 1154117 ||
## || Successfully assigned alignments : 830369 (71.9%) ||
## || Running time : 0.07 minutes ||
## ||
## || Process BAM file lane6967_AGGCAGAA_CTAAGCCT_cDNA190820_C3_520P_d42_L00 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 1217877 ||
## || Successfully assigned alignments : 964575 (79.2%) ||
## || Running time : 0.07 minutes ||
## ||
## || Process BAM file lane6967_AGGCAGAA_CTCTCTAT_cDNA190820_H3_520P_d42_L00 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 974972 ||
## || Successfully assigned alignments : 712873 (73.1%) ||
## || Running time : 0.06 minutes ||
## ||
## || Process BAM file lane6967_AGGCAGAA_GTAAGGAG_cDNA190820_F3_520P_d42_L00 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 829861 ||
## || Successfully assigned alignments : 634369 (76.4%) ||
## || Running time : 0.05 minutes ||
## ||
## || Process BAM file lane6967_AGGCAGAA_TATCCTCT_cDNA190820_G3_520P_d42_L00 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 823799 ||
## || Successfully assigned alignments : 596930 (72.5%) ||
## || Running time : 0.05 minutes ||
## ||
## || Process BAM file lane6967_AGGCAGAA_TCTCTCCG_cDNA190820_A3_520P_d42_L00 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 1351297 ||
## || Successfully assigned alignments : 1081987 (80.1%) ||
## || Running time : 0.08 minutes ||
## ||
## || Process BAM file lane6967_ATCTCAGG_AAGGAGTA_cDNA190820_D12_559G_d42_L0 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 1711614 ||
## || Successfully assigned alignments : 1181942 (69.1%) ||
## || Running time : 0.10 minutes ||
## ||
## || Process BAM file lane6967_ATCTCAGG_ACTGCATA_cDNA190820_E12_559G_d42_L0 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 2044868 ||
## || Successfully assigned alignments : 1446784 (70.8%) ||
## || Running time : 0.12 minutes ||
## ||
## || Process BAM file lane6967_ATCTCAGG_CGTCTAAT_cDNA190820_B12_559G_d42_L0 ... ||
## || Paired-end reads are included. ||

```

```

## || Total alignments : 2274603 ||
## || Successfully assigned alignments : 1588784 (69.8%) ||
## || Running time : 0.13 minutes ||
## ||
## || Process BAM file lane6967_ATCTCAGG_CTAAGCCT_cDNA190820_C12_559G_d42_L0 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 2074146 ||
## || Successfully assigned alignments : 1496495 (72.1%) ||
## || Running time : 0.12 minutes ||
## ||
## || Process BAM file lane6967_ATCTCAGG_CTCTCTAT_cDNA190820_H12_559G_d42_L0 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 1257141 ||
## || Successfully assigned alignments : 953453 (75.8%) ||
## || Running time : 0.08 minutes ||
## ||
## || Process BAM file lane6967_ATCTCAGG_GTAAGGAG_cDNA190820_F12_559G_d42_L0 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 1266110 ||
## || Successfully assigned alignments : 904637 (71.5%) ||
## || Running time : 0.07 minutes ||
## ||
## || Process BAM file lane6967_ATCTCAGG_TATCCTCT_cDNA190820_G12_559G_d42_L0 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 1282117 ||
## || Successfully assigned alignments : 812971 (63.4%) ||
## || Running time : 0.08 minutes ||
## ||
## || Process BAM file lane6967_ATCTCAGG_TCTCTCCG_cDNA190820_A12_559G_d42_L0 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 2273051 ||
## || Successfully assigned alignments : 1701967 (74.9%) ||
## || Running time : 0.13 minutes ||
## ||
## || Process BAM file lane6967_CGAGGCTG_AAGGAGTA_cDNA190820_D8_559G_d0_L001 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 1063668 ||
## || Successfully assigned alignments : 744364 (70.0%) ||
## || Running time : 0.06 minutes ||
## ||
## || Process BAM file lane6967_CGAGGCTG_ACTGCATA_cDNA190820_E8_559G_d0_L001 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 739724 ||
## || Successfully assigned alignments : 535185 (72.3%) ||
## || Running time : 0.05 minutes ||
## ||
## || Process BAM file lane6967_CGAGGCTG_CGTCTAAT_cDNA190820_B8_559G_d0_L001 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 1078769 ||
## || Successfully assigned alignments : 741432 (68.7%) ||
## || Running time : 0.07 minutes ||
## ||
## || Process BAM file lane6967_CGAGGCTG_CTAAGCCT_cDNA190820_C8_559G_d0_L001 ... ||
## || Paired-end reads are included. ||

```

```

## || Total alignments : 895836 ||
## || Successfully assigned alignments : 646867 (72.2%) ||
## || Running time : 0.05 minutes ||
## ||
## || Process BAM file lane6967_CGAGGCTG_CTCTCTAT_cDNA190820_H8_559G_d0_L001 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 717550 ||
## || Successfully assigned alignments : 515439 (71.8%) ||
## || Running time : 0.05 minutes ||
## ||
## || Process BAM file lane6967_CGAGGCTG_GTAAGGAG_cDNA190820_F8_559G_d0_L001 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 959515 ||
## || Successfully assigned alignments : 698447 (72.8%) ||
## || Running time : 0.06 minutes ||
## ||
## || Process BAM file lane6967_CGAGGCTG_TATCCTCT_cDNA190820_G8_559G_d0_L001 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 702507 ||
## || Successfully assigned alignments : 524999 (74.7%) ||
## || Running time : 0.04 minutes ||
## ||
## || Process BAM file lane6967_CGAGGCTG_TCTCTCCG_cDNA190820_A8_559G_d0_L001 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 1125171 ||
## || Successfully assigned alignments : 825114 (73.3%) ||
## || Running time : 0.07 minutes ||
## ||
## || Process BAM file lane6967_CGTACTAG_AAGGAGTA_cDNA190820_D2_520P_d0_L001 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 783230 ||
## || Successfully assigned alignments : 600151 (76.6%) ||
## || Running time : 0.05 minutes ||
## ||
## || Process BAM file lane6967_CGTACTAG_ACTGCATA_cDNA190820_E2_520P_d0_L001 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 591232 ||
## || Successfully assigned alignments : 386569 (65.4%) ||
## || Running time : 0.04 minutes ||
## ||
## || Process BAM file lane6967_CGTACTAG_CGTCTAAT_cDNA190820_B2_520P_d0_L001 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 1238898 ||
## || Successfully assigned alignments : 846548 (68.3%) ||
## || Running time : 0.07 minutes ||
## ||
## || Process BAM file lane6967_CGTACTAG_CTAAGCCT_cDNA190820_C2_520P_d0_L001 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 950517 ||
## || Successfully assigned alignments : 716949 (75.4%) ||
## || Running time : 0.06 minutes ||
## ||
## || Process BAM file lane6967_CGTACTAG_CTCTCTAT_cDNA190820_H2_520P_d0_L001 ... ||
## || Paired-end reads are included. ||

```

```

## || Total alignments : 619423 ||
## || Successfully assigned alignments : 534888 (86.4%) ||
## || Running time : 0.04 minutes ||
## ||
## || Process BAM file lane6967_CGTACTAG_GTAAGGAG_cDNA190820_F2_520P_d0_L001 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 371569 ||
## || Successfully assigned alignments : 252925 (68.1%) ||
## || Running time : 0.03 minutes ||
## ||
## || Process BAM file lane6967_CGTACTAG_TATCCTCT_cDNA190820_G2_520P_d0_L001 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 492005 ||
## || Successfully assigned alignments : 342720 (69.7%) ||
## || Running time : 0.03 minutes ||
## ||
## || Process BAM file lane6967_CGTACTAG_TCTCTCCG_cDNA190820_A2_520P_d0_L001 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 1239595 ||
## || Successfully assigned alignments : 1005887 (81.1%) ||
## || Running time : 0.07 minutes ||
## ||
## || Process BAM file lane6967_CTCTCTAC_AAGGAGTA_cDNA190820_D7_559G_d0_L001 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 996656 ||
## || Successfully assigned alignments : 736124 (73.9%) ||
## || Running time : 0.06 minutes ||
## ||
## || Process BAM file lane6967_CTCTCTAC_ACTGCATA_cDNA190820_E7_559G_d0_L001 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 1087303 ||
## || Successfully assigned alignments : 824662 (75.8%) ||
## || Running time : 0.07 minutes ||
## ||
## || Process BAM file lane6967_CTCTCTAC_CGTCTAAT_cDNA190820_B7_559G_d0_L001 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 1506935 ||
## || Successfully assigned alignments : 1169439 (77.6%) ||
## || Running time : 0.09 minutes ||
## ||
## || Process BAM file lane6967_CTCTCTAC_CTAAGCCT_cDNA190820_C7_559G_d0_L001 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 1067715 ||
## || Successfully assigned alignments : 761010 (71.3%) ||
## || Running time : 0.07 minutes ||
## ||
## || Process BAM file lane6967_CTCTCTAC_CTCTCTAT_cDNA190820_H7_559G_d0_L001 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 1072946 ||
## || Successfully assigned alignments : 791306 (73.8%) ||
## || Running time : 0.07 minutes ||
## ||
## || Process BAM file lane6967_CTCTCTAC_GTAAGGAG_cDNA190820_F7_559G_d0_L001 ... ||
## || Paired-end reads are included. ||

```

```

## || Total alignments : 980312 ||
## || Successfully assigned alignments : 753863 (76.9%) ||
## || Running time : 0.06 minutes ||
## ||
## || Process BAM file lane6967_CTCTCTAC_TATCCTCT_cDNA190820_G7_559G_d0_L001 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 1400183 ||
## || Successfully assigned alignments : 1100027 (78.6%) ||
## || Running time : 0.08 minutes ||
## ||
## || Process BAM file lane6967_CTCTCTAC_TCTCTCCG_cDNA190820_A7_559G_d0_L001 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 1074942 ||
## || Successfully assigned alignments : 788628 (73.4%) ||
## || Running time : 0.07 minutes ||
## ||
## || Process BAM file lane6967_GCTCATGA_AAGGAGTA_cDNA190820_D11_559G_d42_L0 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 1358502 ||
## || Successfully assigned alignments : 857554 (63.1%) ||
## || Running time : 0.08 minutes ||
## ||
## || Process BAM file lane6967_GCTCATGA_ACTGCATA_cDNA190820_E11_559G_d42_L0 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 1161712 ||
## || Successfully assigned alignments : 862461 (74.2%) ||
## || Running time : 0.07 minutes ||
## ||
## || Process BAM file lane6967_GCTCATGA_CGTCTAAT_cDNA190820_B11_559G_d42_L0 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 2162638 ||
## || Successfully assigned alignments : 1522658 (70.4%) ||
## || Running time : 0.12 minutes ||
## ||
## || Process BAM file lane6967_GCTCATGA_CTAAGCCT_cDNA190820_C11_559G_d42_L0 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 2112862 ||
## || Successfully assigned alignments : 1630962 (77.2%) ||
## || Running time : 0.12 minutes ||
## ||
## || Process BAM file lane6967_GCTCATGA_CTCTCTAT_cDNA190820_H11_559G_d42_L0 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 1210557 ||
## || Successfully assigned alignments : 836723 (69.1%) ||
## || Running time : 0.07 minutes ||
## ||
## || Process BAM file lane6967_GCTCATGA_GTAAGGAG_cDNA190820_F11_559G_d42_L0 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 1245318 ||
## || Successfully assigned alignments : 829116 (66.6%) ||
## || Running time : 0.07 minutes ||
## ||
## || Process BAM file lane6967_GCTCATGA_TATCCTCT_cDNA190820_G11_559G_d42_L0 ... ||
## || Paired-end reads are included. ||

```

```

## || Total alignments : 898714 ||
## || Successfully assigned alignments : 604776 (67.3%) ||
## || Running time : 0.06 minutes ||
## ||
## || Process BAM file lane6967_GCTCATGA_TCTCTCCG_cDNA190820_A11_559G_d42_L0 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 1927370 ||
## || Successfully assigned alignments : 1361501 (70.6%) ||
## || Running time : 0.11 minutes ||
## ||
## || Process BAM file lane6967_GGACTCCT_AAGGAGTA_cDNA190820_D5_520P_d42_L00 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 714240 ||
## || Successfully assigned alignments : 515326 (72.2%) ||
## || Running time : 0.05 minutes ||
## ||
## || Process BAM file lane6967_GGACTCCT_ACTGCATA_cDNA190820_E5_520P_d42_L00 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 709463 ||
## || Successfully assigned alignments : 516489 (72.8%) ||
## || Running time : 0.04 minutes ||
## ||
## || Process BAM file lane6967_GGACTCCT_CGTCTAAT_cDNA190820_B5_520P_d42_L00 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 1763440 ||
## || Successfully assigned alignments : 1404387 (79.6%) ||
## || Running time : 0.10 minutes ||
## ||
## || Process BAM file lane6967_GGACTCCT_CTAAGCCT_cDNA190820_C5_520P_d42_L00 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 775669 ||
## || Successfully assigned alignments : 570573 (73.6%) ||
## || Running time : 0.05 minutes ||
## ||
## || Process BAM file lane6967_GGACTCCT_CTCTCTAT_cDNA190820_H5_520P_d42_L00 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 1180626 ||
## || Successfully assigned alignments : 918939 (77.8%) ||
## || Running time : 0.07 minutes ||
## ||
## || Process BAM file lane6967_GGACTCCT_GTAAGGAG_cDNA190820_F5_520P_d42_L00 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 1032420 ||
## || Successfully assigned alignments : 789078 (76.4%) ||
## || Running time : 0.07 minutes ||
## ||
## || Process BAM file lane6967_GGACTCCT_TATCCTCT_cDNA190820_G5_520P_d42_L00 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 1204905 ||
## || Successfully assigned alignments : 906299 (75.2%) ||
## || Running time : 0.07 minutes ||
## ||
## || Process BAM file lane6967_GGACTCCT_TCTCTCCG_cDNA190820_A5_520P_d42_L00 ... ||
## || Paired-end reads are included. ||

```



```

## || Total alignments : 1176418 ||
## || Successfully assigned alignments : 1042410 (88.6%) ||
## || Running time : 0.07 minutes ||
## ||
## || Process BAM file lane6967_GTAGAGGA_AAGGAGTA_cDNA190820_D10_559G_d42_L0 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 1369910 ||
## || Successfully assigned alignments : 900154 (65.7%) ||
## || Running time : 0.08 minutes ||
## ||
## || Process BAM file lane6967_GTAGAGGA_ACTGCATA_cDNA190820_E10_559G_d42_L0 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 973085 ||
## || Successfully assigned alignments : 678834 (69.8%) ||
## || Running time : 0.06 minutes ||
## ||
## || Process BAM file lane6967_GTAGAGGA_CGTCTAAT_cDNA190820_B10_559G_d42_L0 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 1808478 ||
## || Successfully assigned alignments : 1270464 (70.3%) ||
## || Running time : 0.11 minutes ||
## ||
## || Process BAM file lane6967_GTAGAGGA_CTAAGCCT_cDNA190820_C10_559G_d42_L0 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 1659378 ||
## || Successfully assigned alignments : 1257867 (75.8%) ||
## || Running time : 0.10 minutes ||
## ||
## || Process BAM file lane6967_GTAGAGGA_CTCTCTAT_cDNA190820_H10_559G_d42_L0 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 1163886 ||
## || Successfully assigned alignments : 830497 (71.4%) ||
## || Running time : 0.07 minutes ||
## ||
## || Process BAM file lane6967_GTAGAGGA_GTAAGGAG_cDNA190820_F10_559G_d42_L0 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 1195359 ||
## || Successfully assigned alignments : 900513 (75.3%) ||
## || Running time : 0.07 minutes ||
## ||
## || Process BAM file lane6967_GTAGAGGA_TATCCTCT_cDNA190820_G10_559G_d42_L0 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 957885 ||
## || Successfully assigned alignments : 552794 (57.7%) ||
## || Running time : 0.06 minutes ||
## ||
## || Process BAM file lane6967_GTAGAGGA_TCTCTCCG_cDNA190820_A10_559G_d42_L0 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 1481760 ||
## || Successfully assigned alignments : 1038520 (70.1%) ||
## || Running time : 0.09 minutes ||
## ||
## || Process BAM file lane6967_TAAGGCGA_AAGGAGTA_cDNA190820_D1_520P_d0_L001 ... ||
## || Paired-end reads are included. ||

```

```

## || Total alignments : 814682 ||
## || Successfully assigned alignments : 593833 (72.9%) ||
## || Running time : 0.05 minutes ||
## ||
## || Process BAM file lane6967_TAAGGCGA_ACTGCATA_cDNA190820_E1_520P_d0_L001 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 362208 ||
## || Successfully assigned alignments : 263840 (72.8%) ||
## || Running time : 0.03 minutes ||
## ||
## || Process BAM file lane6967_TAAGGCGA_CGTCTAAT_cDNA190820_B1_520P_d0_L001 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 1230424 ||
## || Successfully assigned alignments : 924457 (75.1%) ||
## || Running time : 0.08 minutes ||
## ||
## || Process BAM file lane6967_TAAGGCGA_CTAAGCCT_cDNA190820_C1_520P_d0_L001 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 928789 ||
## || Successfully assigned alignments : 705614 (76.0%) ||
## || Running time : 0.06 minutes ||
## ||
## || Process BAM file lane6967_TAAGGCGA_CTCTCTAT_cDNA190820_H1_520P_d0_L001 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 579681 ||
## || Successfully assigned alignments : 383290 (66.1%) ||
## || Running time : 0.04 minutes ||
## ||
## || Process BAM file lane6967_TAAGGCGA_GTAAGGAG_cDNA190820_F1_520P_d0_L001 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 279536 ||
## || Successfully assigned alignments : 203968 (73.0%) ||
## || Running time : 0.02 minutes ||
## ||
## || Process BAM file lane6967_TAAGGCGA_TATCCTCT_cDNA190820_G1_520P_d0_L001 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 322319 ||
## || Successfully assigned alignments : 223724 (69.4%) ||
## || Running time : 0.02 minutes ||
## ||
## || Process BAM file lane6967_TAAGGCGA_TCTCTCCG_cDNA190820_A1_520P_d0_L001 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 1016703 ||
## || Successfully assigned alignments : 798606 (78.5%) ||
## || Running time : 0.06 minutes ||
## ||
## || Process BAM file lane6967_TAGGCATG_AAGGAGTA_cDNA190820_D6_520P_d42_L00 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 936656 ||
## || Successfully assigned alignments : 695425 (74.2%) ||
## || Running time : 0.06 minutes ||
## ||
## || Process BAM file lane6967_TAGGCATG_ACTGCATA_cDNA190820_E6_520P_d42_L00 ... ||
## || Paired-end reads are included. ||

```

```

## || Total alignments : 788482 ||
## || Successfully assigned alignments : 580826 (73.7%) ||
## || Running time : 0.05 minutes ||
## ||
## || Process BAM file lane6967_TAGGCATG_CGTCTAAT_cDNA190820_B6_520P_d42_L00 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 1882044 ||
## || Successfully assigned alignments : 1351381 (71.8%) ||
## || Running time : 0.11 minutes ||
## ||
## || Process BAM file lane6967_TAGGCATG_CTAAGCCT_cDNA190820_C6_520P_d42_L00 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 1158857 ||
## || Successfully assigned alignments : 834788 (72.0%) ||
## || Running time : 0.07 minutes ||
## ||
## || Process BAM file lane6967_TAGGCATG_CTCTCTAT_cDNA190820_H6_520P_d42_L00 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 1694533 ||
## || Successfully assigned alignments : 1374610 (81.1%) ||
## || Running time : 0.10 minutes ||
## ||
## || Process BAM file lane6967_TAGGCATG_GTAAGGAG_cDNA190820_F6_520P_d42_L00 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 1135191 ||
## || Successfully assigned alignments : 883919 (77.9%) ||
## || Running time : 0.07 minutes ||
## ||
## || Process BAM file lane6967_TAGGCATG_TATCCTCT_cDNA190820_G6_520P_d42_L00 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 685016 ||
## || Successfully assigned alignments : 449461 (65.6%) ||
## || Running time : 0.04 minutes ||
## ||
## || Process BAM file lane6967_TAGGCATG_TCTCTCCG_cDNA190820_A6_520P_d42_L00 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 1385313 ||
## || Successfully assigned alignments : 1099445 (79.4%) ||
## || Running time : 0.08 minutes ||
## ||
## || Process BAM file lane6967_TCCTGAGC_AAGGAGTA_cDNA190820_D4_520P_d42_L00 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 408444 ||
## || Successfully assigned alignments : 312144 (76.4%) ||
## || Running time : 0.03 minutes ||
## ||
## || Process BAM file lane6967_TCCTGAGC_ACTGCATA_cDNA190820_E4_520P_d42_L00 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 1036493 ||
## || Successfully assigned alignments : 807782 (77.9%) ||
## || Running time : 0.06 minutes ||
## ||
## || Process BAM file lane6967_TCCTGAGC_CGTCTAAT_cDNA190820_B4_520P_d42_L00 ... ||
## || Paired-end reads are included. ||

```

```

## || Total alignments : 1082783 ||
## || Successfully assigned alignments : 800921 (74.0%) ||
## || Running time : 0.06 minutes ||
## ||
## || Process BAM file lane6967_TCCTGAGC_CTAAGCCT_cDNA190820_C4_520P_d42_L00 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 888616 ||
## || Successfully assigned alignments : 669655 (75.4%) ||
## || Running time : 0.06 minutes ||
## ||
## || Process BAM file lane6967_TCCTGAGC_CTCTCTAT_cDNA190820_H4_520P_d42_L00 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 1082687 ||
## || Successfully assigned alignments : 849759 (78.5%) ||
## || Running time : 0.07 minutes ||
## ||
## || Process BAM file lane6967_TCCTGAGC_GTAAGGAG_cDNA190820_F4_520P_d42_L00 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 416414 ||
## || Successfully assigned alignments : 309894 (74.4%) ||
## || Running time : 0.03 minutes ||
## ||
## || Process BAM file lane6967_TCCTGAGC_TATCCTCT_cDNA190820_G4_520P_d42_L00 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 888002 ||
## || Successfully assigned alignments : 645271 (72.7%) ||
## || Running time : 0.05 minutes ||
## ||
## || Process BAM file lane6967_TCCTGAGC_TCTCTCCG_cDNA190820_A4_520P_d42_L00 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 1690867 ||
## || Successfully assigned alignments : 1318652 (78.0%) ||
## || Running time : 0.10 minutes ||
## ||
## || Process BAM file lane6976_AAGAGGCA_AAGGAGTA_cDNA190821_D9_622A_d42_L00 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 564035 ||
## || Successfully assigned alignments : 444462 (78.8%) ||
## || Running time : 0.04 minutes ||
## ||
## || Process BAM file lane6976_AAGAGGCA_ACTGCATA_cDNA190821_E9_622A_d42_L00 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 803886 ||
## || Successfully assigned alignments : 542576 (67.5%) ||
## || Running time : 0.05 minutes ||
## ||
## || Process BAM file lane6976_AAGAGGCA_CGTCTAAT_cDNA190821_B9_622A_d42_L00 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 594767 ||
## || Successfully assigned alignments : 430351 (72.4%) ||
## || Running time : 0.04 minutes ||
## ||
## || Process BAM file lane6976_AAGAGGCA_CTAAGCCT_cDNA190821_C9_622A_d42_L00 ... ||
## || Paired-end reads are included. ||

```

```

## || Total alignments : 717490 ||
## || Successfully assigned alignments : 476244 (66.4%) ||
## || Running time : 0.05 minutes ||
## ||
## || Process BAM file lane6976_AAGAGGCA_CTCTCTAT_cDNA190821_H9_622A_d42_L00 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 1097722 ||
## || Successfully assigned alignments : 825248 (75.2%) ||
## || Running time : 0.07 minutes ||
## ||
## || Process BAM file lane6976_AAGAGGCA_GTAAGGAG_cDNA190821_F9_622A_d42_L00 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 1429888 ||
## || Successfully assigned alignments : 1140332 (79.7%) ||
## || Running time : 0.09 minutes ||
## ||
## || Process BAM file lane6976_AAGAGGCA_TATCCTCT_cDNA190821_G9_622A_d42_L00 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 1609612 ||
## || Successfully assigned alignments : 1318534 (81.9%) ||
## || Running time : 0.10 minutes ||
## ||
## || Process BAM file lane6976_AAGAGGCA_TCTCTCCG_cDNA190821_A9_622A_d42_L00 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 1016221 ||
## || Successfully assigned alignments : 735879 (72.4%) ||
## || Running time : 0.06 minutes ||
## ||
## || Process BAM file lane6976_AGGCAGAA_AAGGAGTA_cDNA190821_D3_544Q_d42_L00 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 846580 ||
## || Successfully assigned alignments : 589108 (69.6%) ||
## || Running time : 0.05 minutes ||
## ||
## || Process BAM file lane6976_AGGCAGAA_ACTGCATA_cDNA190821_E3_544Q_d42_L00 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 744505 ||
## || Successfully assigned alignments : 577565 (77.6%) ||
## || Running time : 0.05 minutes ||
## ||
## || Process BAM file lane6976_AGGCAGAA_CGTCTAAT_cDNA190821_B3_544Q_d42_L00 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 1676026 ||
## || Successfully assigned alignments : 1181173 (70.5%) ||
## || Running time : 0.10 minutes ||
## ||
## || Process BAM file lane6976_AGGCAGAA_CTAAGCCT_cDNA190821_C3_544Q_d42_L00 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 761628 ||
## || Successfully assigned alignments : 569482 (74.8%) ||
## || Running time : 0.05 minutes ||
## ||
## || Process BAM file lane6976_AGGCAGAA_CTCTCTAT_cDNA190821_H3_544Q_d42_L00 ... ||
## || Paired-end reads are included. ||

```

```

## || Total alignments : 1044711 ||
## || Successfully assigned alignments : 779106 (74.6%) ||
## || Running time : 0.06 minutes ||
## ||
## || Process BAM file lane6976_AGGCAGAA_GTAAGGAG_cDNA190821_F3_544Q_d42_L00 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 524760 ||
## || Successfully assigned alignments : 385788 (73.5%) ||
## || Running time : 0.04 minutes ||
## ||
## || Process BAM file lane6976_AGGCAGAA_TATCTCT_cDNA190821_G3_544Q_d42_L00 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 1003329 ||
## || Successfully assigned alignments : 205016 (20.4%) ||
## || Running time : 0.06 minutes ||
## ||
## || Process BAM file lane6976_AGGCAGAA_TCTCTCCG_cDNA190821_A3_544Q_d42_L00 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 1027498 ||
## || Successfully assigned alignments : 779234 (75.8%) ||
## || Running time : 0.06 minutes ||
## ||
## || Process BAM file lane6976_ATCTCAGG_AAGGAGTA_cDNA190821_D12_622A_d42_L0 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 3133759 ||
## || Successfully assigned alignments : 2383856 (76.1%) ||
## || Running time : 0.18 minutes ||
## ||
## || Process BAM file lane6976_ATCTCAGG_ACTGCATA_cDNA190821_E12_622A_d42_L0 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 2006907 ||
## || Successfully assigned alignments : 1540288 (76.7%) ||
## || Running time : 0.12 minutes ||
## ||
## || Process BAM file lane6976_ATCTCAGG_CGTCTAAT_cDNA190821_B12_622A_d42_L0 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 2174498 ||
## || Successfully assigned alignments : 1457512 (67.0%) ||
## || Running time : 0.12 minutes ||
## ||
## || Process BAM file lane6976_ATCTCAGG_CTAAGCCT_cDNA190821_C12_622A_d42_L0 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 2586698 ||
## || Successfully assigned alignments : 2000926 (77.4%) ||
## || Running time : 0.15 minutes ||
## ||
## || Process BAM file lane6976_ATCTCAGG_CTCTCTAT_cDNA190821_H12_622A_d42_L0 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 1250241 ||
## || Successfully assigned alignments : 979584 (78.4%) ||
## || Running time : 0.08 minutes ||
## ||
## || Process BAM file lane6976_ATCTCAGG_GTAAGGAG_cDNA190821_F12_622A_d42_L0 ... ||
## || Paired-end reads are included. ||

```

```

## || Total alignments : 2271593 ||
## || Successfully assigned alignments : 1849329 (81.4%) ||
## || Running time : 0.13 minutes ||
## ||
## || Process BAM file lane6976_ATCTCAGG_TATCCTCT_cDNA190821_G12_622A_d42_L0 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 2722733 ||
## || Successfully assigned alignments : 1953138 (71.7%) ||
## || Running time : 0.16 minutes ||
## ||
## || Process BAM file lane6976_ATCTCAGG_TCTCTCCG_cDNA190821_A12_622A_d42_L0 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 1327803 ||
## || Successfully assigned alignments : 1070019 (80.6%) ||
## || Running time : 0.08 minutes ||
## ||
## || Process BAM file lane6976_CGAGGCTG_AAGGAGTA_cDNA190821_D8_622A_d0_L001 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 960372 ||
## || Successfully assigned alignments : 674180 (70.2%) ||
## || Running time : 0.06 minutes ||
## ||
## || Process BAM file lane6976_CGAGGCTG_ACTGCATA_cDNA190821_E8_622A_d0_L001 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 936957 ||
## || Successfully assigned alignments : 662398 (70.7%) ||
## || Running time : 0.06 minutes ||
## ||
## || Process BAM file lane6976_CGAGGCTG_CGTCTAAT_cDNA190821_B8_622A_d0_L001 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 612994 ||
## || Successfully assigned alignments : 444352 (72.5%) ||
## || Running time : 0.04 minutes ||
## ||
## || Process BAM file lane6976_CGAGGCTG_CTAAGCCT_cDNA190821_C8_622A_d0_L001 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 1033652 ||
## || Successfully assigned alignments : 844522 (81.7%) ||
## || Running time : 0.06 minutes ||
## ||
## || Process BAM file lane6976_CGAGGCTG_CTCTCTAT_cDNA190821_H8_622A_d0_L001 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 578409 ||
## || Successfully assigned alignments : 457328 (79.1%) ||
## || Running time : 0.04 minutes ||
## ||
## || Process BAM file lane6976_CGAGGCTG_GTAAGGAG_cDNA190821_F8_622A_d0_L001 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 384490 ||
## || Successfully assigned alignments : 283385 (73.7%) ||
## || Running time : 0.03 minutes ||
## ||
## || Process BAM file lane6976_CGAGGCTG_TATCCTCT_cDNA190821_G8_622A_d0_L001 ... ||
## || Paired-end reads are included. ||

```

```

## || Total alignments : 966254 ||
## || Successfully assigned alignments : 783612 (81.1%) ||
## || Running time : 0.06 minutes ||
## ||
## || Process BAM file lane6976_CGAGGCTG_TCTCTCCG_cDNA190821_A8_622A_d0_L001 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 612533 ||
## || Successfully assigned alignments : 463523 (75.7%) ||
## || Running time : 0.04 minutes ||
## ||
## || Process BAM file lane6976_CGTACTAG_AAGGAGTA_cDNA190821_D2_544Q_d0_L001 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 942774 ||
## || Successfully assigned alignments : 659855 (70.0%) ||
## || Running time : 0.06 minutes ||
## ||
## || Process BAM file lane6976_CGTACTAG_ACTGCATA_cDNA190821_E2_544Q_d0_L001 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 431386 ||
## || Successfully assigned alignments : 366526 (85.0%) ||
## || Running time : 0.03 minutes ||
## ||
## || Process BAM file lane6976_CGTACTAG_CGTCTAAT_cDNA190821_B2_544Q_d0_L001 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 1645508 ||
## || Successfully assigned alignments : 1099941 (66.8%) ||
## || Running time : 0.09 minutes ||
## ||
## || Process BAM file lane6976_CGTACTAG_CTAAGCCT_cDNA190821_C2_544Q_d0_L001 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 1266096 ||
## || Successfully assigned alignments : 945102 (74.6%) ||
## || Running time : 0.07 minutes ||
## ||
## || Process BAM file lane6976_CGTACTAG_CTCTCTAT_cDNA190821_H2_544Q_d0_L001 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 1325213 ||
## || Successfully assigned alignments : 937326 (70.7%) ||
## || Running time : 0.08 minutes ||
## ||
## || Process BAM file lane6976_CGTACTAG_GTAAGGAG_cDNA190821_F2_544Q_d0_L001 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 961 ||
## || Successfully assigned alignments : 725 (75.4%) ||
## || Running time : 0.00 minutes ||
## ||
## || Process BAM file lane6976_CGTACTAG_TATCCTCT_cDNA190821_G2_544Q_d0_L001 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 749264 ||
## || Successfully assigned alignments : 512120 (68.3%) ||
## || Running time : 0.05 minutes ||
## ||
## || Process BAM file lane6976_CGTACTAG_TCTCTCCG_cDNA190821_A2_544Q_d0_L001 ... ||
## || Paired-end reads are included. ||

```



```

## || Total alignments : 1119726 ||
## || Successfully assigned alignments : 816400 (72.9%) ||
## || Running time : 0.07 minutes ||
## ||
## || Process BAM file lane6976_CTCTCTAC_AAGGAGTA_cDNA190821_D7_622A_d0_L001 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 657749 ||
## || Successfully assigned alignments : 474045 (72.1%) ||
## || Running time : 0.04 minutes ||
## ||
## || Process BAM file lane6976_CTCTCTAC_ACTGCATA_cDNA190821_E7_622A_d0_L001 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 737151 ||
## || Successfully assigned alignments : 513422 (69.6%) ||
## || Running time : 0.05 minutes ||
## ||
## || Process BAM file lane6976_CTCTCTAC_CGTCTAAT_cDNA190821_B7_622A_d0_L001 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 1270560 ||
## || Successfully assigned alignments : 892098 (70.2%) ||
## || Running time : 0.07 minutes ||
## ||
## || Process BAM file lane6976_CTCTCTAC_CTAAGCCT_cDNA190821_C7_622A_d0_L001 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 1274641 ||
## || Successfully assigned alignments : 1047071 (82.1%) ||
## || Running time : 0.08 minutes ||
## ||
## || Process BAM file lane6976_CTCTCTAC_CTCTCTAT_cDNA190821_H7_622A_d0_L001 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 1242872 ||
## || Successfully assigned alignments : 960991 (77.3%) ||
## || Running time : 0.07 minutes ||
## ||
## || Process BAM file lane6976_CTCTCTAC_GTAAGGAG_cDNA190821_F7_622A_d0_L001 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 1030653 ||
## || Successfully assigned alignments : 819164 (79.5%) ||
## || Running time : 0.06 minutes ||
## ||
## || Process BAM file lane6976_CTCTCTAC_TATCCTCT_cDNA190821_G7_622A_d0_L001 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 1303225 ||
## || Successfully assigned alignments : 952277 (73.1%) ||
## || Running time : 0.08 minutes ||
## ||
## || Process BAM file lane6976_CTCTCTAC_TCTCTCCG_cDNA190821_A7_622A_d0_L001 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 1245790 ||
## || Successfully assigned alignments : 948311 (76.1%) ||
## || Running time : 0.07 minutes ||
## ||
## || Process BAM file lane6976_GCTCATGA_AAGGAGTA_cDNA190821_D11_622A_d42_L0 ... ||
## || Paired-end reads are included. ||

```

```

## || Total alignments : 46 ||
## || Successfully assigned alignments : 5 (10.9%) ||
## || Running time : 0.00 minutes ||
## ||
## || Process BAM file lane6976_GCTCATGA_ACTGCATA_cDNA190821_E11_622A_d42_L0 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 41 ||
## || Successfully assigned alignments : 5 (12.2%) ||
## || Running time : 0.00 minutes ||
## ||
## || Process BAM file lane6976_GCTCATGA_CGTCTAAT_cDNA190821_B11_622A_d42_L0 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 2719360 ||
## || Successfully assigned alignments : 1980619 (72.8%) ||
## || Running time : 0.15 minutes ||
## ||
## || Process BAM file lane6976_GCTCATGA_CTAAGCCT_cDNA190821_C11_622A_d42_L0 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 2697496 ||
## || Successfully assigned alignments : 2070143 (76.7%) ||
## || Running time : 0.15 minutes ||
## ||
## || Process BAM file lane6976_GCTCATGA_CTCTCTAT_cDNA190821_H11_622A_d42_L0 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 1512064 ||
## || Successfully assigned alignments : 920645 (60.9%) ||
## || Running time : 0.09 minutes ||
## ||
## || Process BAM file lane6976_GCTCATGA_GTAAGGAG_cDNA190821_F11_622A_d42_L0 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 19 ||
## || Successfully assigned alignments : 5 (26.3%) ||
## || Running time : 0.00 minutes ||
## ||
## || Process BAM file lane6976_GCTCATGA_TATCCTCT_cDNA190821_G11_622A_d42_L0 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 2158551 ||
## || Successfully assigned alignments : 1656562 (76.7%) ||
## || Running time : 0.13 minutes ||
## ||
## || Process BAM file lane6976_GCTCATGA_TCTCTCCG_cDNA190821_A11_622A_d42_L0 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 2124925 ||
## || Successfully assigned alignments : 1614061 (76.0%) ||
## || Running time : 0.12 minutes ||
## ||
## || Process BAM file lane6976_GGACTCCT_AAGGAGTA_cDNA190821_D5_544Q_d42_L00 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 1156323 ||
## || Successfully assigned alignments : 904043 (78.2%) ||
## || Running time : 0.07 minutes ||
## ||
## || Process BAM file lane6976_GGACTCCT_ACTGCATA_cDNA190821_E5_544Q_d42_L00 ... ||
## || Paired-end reads are included. ||

```

```

## || Total alignments : 666821 ||
## || Successfully assigned alignments : 463429 (69.5%) ||
## || Running time : 0.04 minutes ||
## ||
## || Process BAM file lane6976_GGACTCCT_CGTCTAAT_cDNA190821_B5_544Q_d42_L00 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 851777 ||
## || Successfully assigned alignments : 555818 (65.3%) ||
## || Running time : 0.05 minutes ||
## ||
## || Process BAM file lane6976_GGACTCCT_CTAAGCCT_cDNA190821_C5_544Q_d42_L00 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 887973 ||
## || Successfully assigned alignments : 709829 (79.9%) ||
## || Running time : 0.06 minutes ||
## ||
## || Process BAM file lane6976_GGACTCCT_CTCTCTAT_cDNA190821_H5_544Q_d42_L00 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 1250856 ||
## || Successfully assigned alignments : 982279 (78.5%) ||
## || Running time : 0.08 minutes ||
## ||
## || Process BAM file lane6976_GGACTCCT_GTAAGGAG_cDNA190821_F5_544Q_d42_L00 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 508050 ||
## || Successfully assigned alignments : 384502 (75.7%) ||
## || Running time : 0.03 minutes ||
## ||
## || Process BAM file lane6976_GGACTCCT_TATCCTCT_cDNA190821_G5_544Q_d42_L00 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 1120041 ||
## || Successfully assigned alignments : 951691 (85.0%) ||
## || Running time : 0.07 minutes ||
## ||
## || Process BAM file lane6976_GGACTCCT_TCTCTCCG_cDNA190821_A5_544Q_d42_L00 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 1112977 ||
## || Successfully assigned alignments : 854871 (76.8%) ||
## || Running time : 0.07 minutes ||
## ||
## || Process BAM file lane6976_GTAGAGGA_AAGGAGTA_cDNA190821_D10_622A_d42_L0 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 1173818 ||
## || Successfully assigned alignments : 888109 (75.7%) ||
## || Running time : 0.07 minutes ||
## ||
## || Process BAM file lane6976_GTAGAGGA_ACTGCATA_cDNA190821_E10_622A_d42_L0 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 813236 ||
## || Successfully assigned alignments : 644830 (79.3%) ||
## || Running time : 0.05 minutes ||
## ||
## || Process BAM file lane6976_GTAGAGGA_CGTCTAAT_cDNA190821_B10_622A_d42_L0 ... ||
## || Paired-end reads are included. ||

```

```

## || Total alignments : 2133833 ||
## || Successfully assigned alignments : 1641382 (76.9%) ||
## || Running time : 0.12 minutes ||
## ||
## || Process BAM file lane6976_GTAGAGGA_CTAAGCCT_cDNA190821_C10_622A_d42_L0 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 1174929 ||
## || Successfully assigned alignments : 924876 (78.7%) ||
## || Running time : 0.07 minutes ||
## ||
## || Process BAM file lane6976_GTAGAGGA_CTCTCTAT_cDNA190821_H10_622A_d42_L0 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 1857529 ||
## || Successfully assigned alignments : 1381460 (74.4%) ||
## || Running time : 0.11 minutes ||
## ||
## || Process BAM file lane6976_GTAGAGGA_GTAAGGAG_cDNA190821_F10_622A_d42_L0 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 172403 ||
## || Successfully assigned alignments : 134055 (77.8%) ||
## || Running time : 0.02 minutes ||
## ||
## || Process BAM file lane6976_GTAGAGGA_TATCCTCT_cDNA190821_G10_622A_d42_L0 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 2089970 ||
## || Successfully assigned alignments : 1609073 (77.0%) ||
## || Running time : 0.12 minutes ||
## ||
## || Process BAM file lane6976_GTAGAGGA_TCTCTCCG_cDNA190821_A10_622A_d42_L0 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 1480673 ||
## || Successfully assigned alignments : 1151570 (77.8%) ||
## || Running time : 0.09 minutes ||
## ||
## || Process BAM file lane6976_TAAGGCGA_AAGGAGTA_cDNA190821_D1_544Q_d0_L001 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 1343995 ||
## || Successfully assigned alignments : 937900 (69.8%) ||
## || Running time : 0.08 minutes ||
## ||
## || Process BAM file lane6976_TAAGGCGA_ACTGCATA_cDNA190821_E1_544Q_d0_L001 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 1034251 ||
## || Successfully assigned alignments : 841609 (81.4%) ||
## || Running time : 0.06 minutes ||
## ||
## || Process BAM file lane6976_TAAGGCGA_CGTCTAAT_cDNA190821_B1_544Q_d0_L001 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 1196040 ||
## || Successfully assigned alignments : 843279 (70.5%) ||
## || Running time : 0.07 minutes ||
## ||
## || Process BAM file lane6976_TAAGGCGA_CTAAGCCT_cDNA190821_C1_544Q_d0_L001 ... ||
## || Paired-end reads are included. ||

```

```

## || Total alignments : 1180896 ||
## || Successfully assigned alignments : 905366 (76.7%) ||
## || Running time : 0.07 minutes ||
## ||
## || Process BAM file lane6976_TAAGGCGA_CTCTCTAT_cDNA190821_H1_544Q_d0_L001 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 1124832 ||
## || Successfully assigned alignments : 944656 (84.0%) ||
## || Running time : 0.07 minutes ||
## ||
## || Process BAM file lane6976_TAAGGCGA_GTAAGGAG_cDNA190821_F1_544Q_d0_L001 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 10202 ||
## || Successfully assigned alignments : 8242 (80.8%) ||
## || Running time : 0.00 minutes ||
## ||
## || Process BAM file lane6976_TAAGGCGA_TATCCTCT_cDNA190821_G1_544Q_d0_L001 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 1500565 ||
## || Successfully assigned alignments : 1137276 (75.8%) ||
## || Running time : 0.09 minutes ||
## ||
## || Process BAM file lane6976_TAAGGCGA_TCTCTCCG_cDNA190821_A1_544Q_d0_L001 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 911010 ||
## || Successfully assigned alignments : 662686 (72.7%) ||
## || Running time : 0.06 minutes ||
## ||
## || Process BAM file lane6976_TAGGCATG_AAGGAGTA_cDNA190821_D6_544Q_d42_L00 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 300223 ||
## || Successfully assigned alignments : 245676 (81.8%) ||
## || Running time : 0.02 minutes ||
## ||
## || Process BAM file lane6976_TAGGCATG_ACTGCATA_cDNA190821_E6_544Q_d42_L00 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 907745 ||
## || Successfully assigned alignments : 697750 (76.9%) ||
## || Running time : 0.06 minutes ||
## ||
## || Process BAM file lane6976_TAGGCATG_CGTCTAAT_cDNA190821_B6_544Q_d42_L00 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 1585129 ||
## || Successfully assigned alignments : 1184285 (74.7%) ||
## || Running time : 0.09 minutes ||
## ||
## || Process BAM file lane6976_TAGGCATG_CTAAGCCT_cDNA190821_C6_544Q_d42_L00 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 1328634 ||
## || Successfully assigned alignments : 982234 (73.9%) ||
## || Running time : 0.08 minutes ||
## ||
## || Process BAM file lane6976_TAGGCATG_CTCTCTAT_cDNA190821_H6_544Q_d42_L00 ... ||
## || Paired-end reads are included. ||

```

```

## || Total alignments : 1371702 ||
## || Successfully assigned alignments : 1044727 (76.2%) ||
## || Running time : 0.08 minutes ||
## ||
## || Process BAM file lane6976_TAGGCATG_GTAAGGAG_cDNA190821_F6_544Q_d42_L00 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 633802 ||
## || Successfully assigned alignments : 442561 (69.8%) ||
## || Running time : 0.04 minutes ||
## ||
## || Process BAM file lane6976_TAGGCATG_TATCCTCT_cDNA190821_G6_544Q_d42_L00 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 1159251 ||
## || Successfully assigned alignments : 882515 (76.1%) ||
## || Running time : 0.07 minutes ||
## ||
## || Process BAM file lane6976_TAGGCATG_TCTCTCCG_cDNA190821_A6_544Q_d42_L00 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 1661525 ||
## || Successfully assigned alignments : 1236767 (74.4%) ||
## || Running time : 0.10 minutes ||
## ||
## || Process BAM file lane6976_TCCTGAGC_AAGGAGTA_cDNA190821_D4_544Q_d42_L00 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 362549 ||
## || Successfully assigned alignments : 268420 (74.0%) ||
## || Running time : 0.03 minutes ||
## ||
## || Process BAM file lane6976_TCCTGAGC_ACTGCATA_cDNA190821_E4_544Q_d42_L00 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 650860 ||
## || Successfully assigned alignments : 464651 (71.4%) ||
## || Running time : 0.04 minutes ||
## ||
## || Process BAM file lane6976_TCCTGAGC_CGTCTAAT_cDNA190821_B4_544Q_d42_L00 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 1274633 ||
## || Successfully assigned alignments : 888754 (69.7%) ||
## || Running time : 0.08 minutes ||
## ||
## || Process BAM file lane6976_TCCTGAGC_CTAAGCCT_cDNA190821_C4_544Q_d42_L00 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 855532 ||
## || Successfully assigned alignments : 702111 (82.1%) ||
## || Running time : 0.05 minutes ||
## ||
## || Process BAM file lane6976_TCCTGAGC_CTCTCTAT_cDNA190821_H4_544Q_d42_L00 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 1059575 ||
## || Successfully assigned alignments : 747209 (70.5%) ||
## || Running time : 0.06 minutes ||
## ||
## || Process BAM file lane6976_TCCTGAGC_GTAAGGAG_cDNA190821_F4_544Q_d42_L00 ... ||
## || Paired-end reads are included. ||

```

```

## || Total alignments : 475273 ||
## || Successfully assigned alignments : 361722 (76.1%) ||
## || Running time : 0.03 minutes ||
## ||
## || Process BAM file lane6976_TCCTGAGC_TATCCTCT_cDNA190821_G4_544Q_d42_L00 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 1242369 ||
## || Successfully assigned alignments : 997230 (80.3%) ||
## || Running time : 0.08 minutes ||
## ||
## || Process BAM file lane6976_TCCTGAGC_TCTCTCCG_cDNA190821_A4_544Q_d42_L00 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 1454050 ||
## || Successfully assigned alignments : 1097680 (75.5%) ||
## || Running time : 0.09 minutes ||
## ||
## || Process BAM file lane7055_AAGAGGCA_AAGGAGTA_lib190910_D9_526W_d42_L001 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 6359 ||
## || Successfully assigned alignments : 4932 (77.6%) ||
## || Running time : 0.00 minutes ||
## ||
## || Process BAM file lane7055_AAGAGGCA_ACTGCATA_lib190910_E9_526W_d42_L001 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 1725583 ||
## || Successfully assigned alignments : 1497162 (86.8%) ||
## || Running time : 0.10 minutes ||
## ||
## || Process BAM file lane7055_AAGAGGCA_CGTCTAAT_lib190910_B9_526W_d42_L001 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 309750 ||
## || Successfully assigned alignments : 217150 (70.1%) ||
## || Running time : 0.02 minutes ||
## ||
## || Process BAM file lane7055_AAGAGGCA_CTAAGCCT_lib190910_C9_526W_d42_L001 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 1022401 ||
## || Successfully assigned alignments : 721275 (70.5%) ||
## || Running time : 0.06 minutes ||
## ||
## || Process BAM file lane7055_AAGAGGCA_CTCTCTAT_lib190910_H9_526W_d42_L001 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 1360479 ||
## || Successfully assigned alignments : 1012721 (74.4%) ||
## || Running time : 0.08 minutes ||
## ||
## || Process BAM file lane7055_AAGAGGCA_GTAAGGAG_lib190910_F9_526W_d42_L001 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 1647981 ||
## || Successfully assigned alignments : 1391189 (84.4%) ||
## || Running time : 0.10 minutes ||
## ||
## || Process BAM file lane7055_AAGAGGCA_TATCCTCT_lib190910_G9_526W_d42_L001 ... ||
## || Paired-end reads are included. ||

```

```

## || Total alignments : 406941 ||
## || Successfully assigned alignments : 298809 (73.4%) ||
## || Running time : 0.03 minutes ||
## ||
## || Process BAM file lane7055_AAGAGGCA_TCTCTCCG_lib190910_A9_526W_d42_L001 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 2 ||
## || Successfully assigned alignments : 2 (100.0%) ||
## || Running time : 0.00 minutes ||
## ||
## || Process BAM file lane7055_AGGCAGAA_AAGGAGTA_lib190910_D3_501T_d42_L001 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 426047 ||
## || Successfully assigned alignments : 355491 (83.4%) ||
## || Running time : 0.03 minutes ||
## ||
## || Process BAM file lane7055_AGGCAGAA_ACTGCATA_lib190910_E3_501T_d42_L001 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 736179 ||
## || Successfully assigned alignments : 642994 (87.3%) ||
## || Running time : 0.05 minutes ||
## ||
## || Process BAM file lane7055_AGGCAGAA_CGTCTAAT_lib190910_B3_501T_d42_L001 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 1638897 ||
## || Successfully assigned alignments : 1350965 (82.4%) ||
## || Running time : 0.09 minutes ||
## ||
## || Process BAM file lane7055_AGGCAGAA_CTAAGCCT_lib190910_C3_501T_d42_L001 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 1562059 ||
## || Successfully assigned alignments : 1313033 (84.1%) ||
## || Running time : 0.09 minutes ||
## ||
## || Process BAM file lane7055_AGGCAGAA_CTCTCTAT_lib190910_H3_501T_d42_L001 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 28695 ||
## || Successfully assigned alignments : 22313 (77.8%) ||
## || Running time : 0.00 minutes ||
## ||
## || Process BAM file lane7055_AGGCAGAA_GTAAGGAG_lib190910_F3_501T_d42_L001 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 339946 ||
## || Successfully assigned alignments : 280798 (82.6%) ||
## || Running time : 0.02 minutes ||
## ||
## || Process BAM file lane7055_AGGCAGAA_TATCCTCT_lib190910_G3_501T_d42_L001 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 732847 ||
## || Successfully assigned alignments : 639088 (87.2%) ||
## || Running time : 0.05 minutes ||
## ||
## || Process BAM file lane7055_AGGCAGAA_TCTCTCCG_lib190910_A3_501T_d42_L001 ... ||
## || Paired-end reads are included. ||

```



```

## || Total alignments : 597774 ||
## || Successfully assigned alignments : 513394 (85.9%) ||
## || Running time : 0.04 minutes ||
## ||
## || Process BAM file lane7055_ATCTCAGG_AAGGAGTA_lib190910_D12_526W_d42_L00 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 3856357 ||
## || Successfully assigned alignments : 2868323 (74.4%) ||
## || Running time : 0.21 minutes ||
## ||
## || Process BAM file lane7055_ATCTCAGG_ACTGCATA_lib190910_E12_526W_d42_L00 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 500 ||
## || Successfully assigned alignments : 262 (52.4%) ||
## || Running time : 0.00 minutes ||
## ||
## || Process BAM file lane7055_ATCTCAGG_CGTCTAAT_lib190910_B12_526W_d42_L00 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 5741732 ||
## || Successfully assigned alignments : 3877063 (67.5%) ||
## || Running time : 0.31 minutes ||
## ||
## || Process BAM file lane7055_ATCTCAGG_CTAAGCCT_lib190910_C12_526W_d42_L00 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 7340985 ||
## || Successfully assigned alignments : 6373920 (86.8%) ||
## || Running time : 0.38 minutes ||
## ||
## || Process BAM file lane7055_ATCTCAGG_CTCTCTAT_lib190910_H12_526W_d42_L00 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 798365 ||
## || Successfully assigned alignments : 567724 (71.1%) ||
## || Running time : 0.05 minutes ||
## ||
## || Process BAM file lane7055_ATCTCAGG_GTAAGGAG_lib190910_F12_526W_d42_L00 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 859 ||
## || Successfully assigned alignments : 503 (58.6%) ||
## || Running time : 0.00 minutes ||
## ||
## || Process BAM file lane7055_ATCTCAGG_TATCCTCT_lib190910_G12_526W_d42_L00 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 230 ||
## || Successfully assigned alignments : 12 (5.2%) ||
## || Running time : 0.00 minutes ||
## ||
## || Process BAM file lane7055_ATCTCAGG_TCTCTCCG_lib190910_A12_526W_d42_L00 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 3316710 ||
## || Successfully assigned alignments : 2253635 (67.9%) ||
## || Running time : 0.18 minutes ||
## ||
## || Process BAM file lane7055_CGAGGCTG_AAGGAGTA_lib190910_D8_526W_d0_L001_ ... ||
## || Paired-end reads are included. ||

```

```

## || Total alignments : 758144 ||
## || Successfully assigned alignments : 658342 (86.8%) ||
## || Running time : 0.05 minutes ||
## ||
## || Process BAM file lane7055_CGAGGCTG_ACTGCATA_lib190910_E8_526W_d0_L001_ ... ||
## || Paired-end reads are included. ||
## || Total alignments : 355333 ||
## || Successfully assigned alignments : 308931 (86.9%) ||
## || Running time : 0.02 minutes ||
## ||
## || Process BAM file lane7055_CGAGGCTG_CGTCTAAT_lib190910_B8_526W_d0_L001_ ... ||
## || Paired-end reads are included. ||
## || Total alignments : 1534910 ||
## || Successfully assigned alignments : 1346406 (87.7%) ||
## || Running time : 0.09 minutes ||
## ||
## || Process BAM file lane7055_CGAGGCTG_CTAAGCCT_lib190910_C8_526W_d0_L001_ ... ||
## || Paired-end reads are included. ||
## || Total alignments : 1108699 ||
## || Successfully assigned alignments : 948223 (85.5%) ||
## || Running time : 0.07 minutes ||
## ||
## || Process BAM file lane7055_CGAGGCTG_CTCTCTAT_lib190910_H8_526W_d0_L001_ ... ||
## || Paired-end reads are included. ||
## || Total alignments : 1089033 ||
## || Successfully assigned alignments : 928150 (85.2%) ||
## || Running time : 0.06 minutes ||
## ||
## || Process BAM file lane7055_CGAGGCTG_GTAAGGAG_lib190910_F8_526W_d0_L001_ ... ||
## || Paired-end reads are included. ||
## || Total alignments : 1116001 ||
## || Successfully assigned alignments : 932500 (83.6%) ||
## || Running time : 0.07 minutes ||
## ||
## || Process BAM file lane7055_CGAGGCTG_TATCCTCT_lib190910_G8_526W_d0_L001_ ... ||
## || Paired-end reads are included. ||
## || Total alignments : 798518 ||
## || Successfully assigned alignments : 661229 (82.8%) ||
## || Running time : 0.05 minutes ||
## ||
## || Process BAM file lane7055_CGAGGCTG_TCTCTCCG_lib190910_A8_526W_d0_L001_ ... ||
## || Paired-end reads are included. ||
## || Total alignments : 4078362 ||
## || Successfully assigned alignments : 3340725 (81.9%) ||
## || Running time : 0.23 minutes ||
## ||
## || Process BAM file lane7055_CGTACTAG_AAGGAGTA_lib190910_D2_501T_d0_L001_ ... ||
## || Paired-end reads are included. ||
## || Total alignments : 274038 ||
## || Successfully assigned alignments : 230151 (84.0%) ||
## || Running time : 0.02 minutes ||
## ||
## || Process BAM file lane7055_CGTACTAG_ACTGCATA_lib190910_E2_501T_d0_L001_ ... ||
## || Paired-end reads are included. ||

```

```

## || Total alignments : 317714 ||
## || Successfully assigned alignments : 277665 (87.4%) ||
## || Running time : 0.02 minutes ||
## ||
## || Process BAM file lane7055_CGTACTAG_CGTCTAAT_lib190910_B2_501T_d0_L001_ ... ||
## || Paired-end reads are included. ||
## || Total alignments : 1260662 ||
## || Successfully assigned alignments : 1077159 (85.4%) ||
## || Running time : 0.07 minutes ||
## ||
## || Process BAM file lane7055_CGTACTAG_CTAAGCCT_lib190910_C2_501T_d0_L001_ ... ||
## || Paired-end reads are included. ||
## || Total alignments : 1152821 ||
## || Successfully assigned alignments : 1002309 (86.9%) ||
## || Running time : 0.06 minutes ||
## ||
## || Process BAM file lane7055_CGTACTAG_CTCTCTAT_lib190910_H2_501T_d0_L001_ ... ||
## || Paired-end reads are included. ||
## || Total alignments : 4625 ||
## || Successfully assigned alignments : 3819 (82.6%) ||
## || Running time : 0.00 minutes ||
## ||
## || Process BAM file lane7055_CGTACTAG_GTAAGGAG_lib190910_F2_501T_d0_L001_ ... ||
## || Paired-end reads are included. ||
## || Total alignments : 265124 ||
## || Successfully assigned alignments : 227313 (85.7%) ||
## || Running time : 0.02 minutes ||
## ||
## || Process BAM file lane7055_CGTACTAG_TATCCTCT_lib190910_G2_501T_d0_L001_ ... ||
## || Paired-end reads are included. ||
## || Total alignments : 683388 ||
## || Successfully assigned alignments : 585645 (85.7%) ||
## || Running time : 0.04 minutes ||
## ||
## || Process BAM file lane7055_CGTACTAG_TCTCTCCG_lib190910_A2_501T_d0_L001_ ... ||
## || Paired-end reads are included. ||
## || Total alignments : 149448 ||
## || Successfully assigned alignments : 117935 (78.9%) ||
## || Running time : 0.01 minutes ||
## ||
## || Process BAM file lane7055_CTCTCTAC_AAGGAGTA_lib190910_D7_526W_d0_L001_ ... ||
## || Paired-end reads are included. ||
## || Total alignments : 1727473 ||
## || Successfully assigned alignments : 1519049 (87.9%) ||
## || Running time : 0.10 minutes ||
## ||
## || Process BAM file lane7055_CTCTCTAC_ACTGCATA_lib190910_E7_526W_d0_L001_ ... ||
## || Paired-end reads are included. ||
## || Total alignments : 969392 ||
## || Successfully assigned alignments : 834724 (86.1%) ||
## || Running time : 0.06 minutes ||
## ||
## || Process BAM file lane7055_CTCTCTAC_CGTCTAAT_lib190910_B7_526W_d0_L001_ ... ||
## || Paired-end reads are included. ||

```

```

## || Total alignments : 3030432 ||
## || Successfully assigned alignments : 2579884 (85.1%) ||
## || Running time : 0.17 minutes ||
## ||
## || Process BAM file lane7055_CTCTCTAC_CTAAGCCT_lib190910_C7_526W_d0_L001_ ... ||
## || Paired-end reads are included. ||
## || Total alignments : 172137 ||
## || Successfully assigned alignments : 145921 (84.8%) ||
## || Running time : 0.02 minutes ||
## ||
## || Process BAM file lane7055_CTCTCTAC_CTCTCTAT_lib190910_H7_526W_d0_L001_ ... ||
## || Paired-end reads are included. ||
## || Total alignments : 181317 ||
## || Successfully assigned alignments : 152399 (84.1%) ||
## || Running time : 0.01 minutes ||
## ||
## || Process BAM file lane7055_CTCTCTAC_GTAAGGAG_lib190910_F7_526W_d0_L001_ ... ||
## || Paired-end reads are included. ||
## || Total alignments : 1724571 ||
## || Successfully assigned alignments : 1463659 (84.9%) ||
## || Running time : 0.10 minutes ||
## ||
## || Process BAM file lane7055_CTCTCTAC_TATCCTCT_lib190910_G7_526W_d0_L001_ ... ||
## || Paired-end reads are included. ||
## || Total alignments : 1084907 ||
## || Successfully assigned alignments : 872173 (80.4%) ||
## || Running time : 0.06 minutes ||
## ||
## || Process BAM file lane7055_CTCTCTAC_TCTCTCCG_lib190910_A7_526W_d0_L001_ ... ||
## || Paired-end reads are included. ||
## || Total alignments : 125868 ||
## || Successfully assigned alignments : 110391 (87.7%) ||
## || Running time : 0.01 minutes ||
## ||
## || Process BAM file lane7055_GCTCATGA_AAGGAGTA_lib190910_D11_526W_d42_L00 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 1564 ||
## || Successfully assigned alignments : 1207 (77.2%) ||
## || Running time : 0.00 minutes ||
## ||
## || Process BAM file lane7055_GCTCATGA_ACTGCATA_lib190910_E11_526W_d42_L00 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 106364 ||
## || Successfully assigned alignments : 81789 (76.9%) ||
## || Running time : 0.01 minutes ||
## ||
## || Process BAM file lane7055_GCTCATGA_CGTCTAAT_lib190910_B11_526W_d42_L00 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 4793787 ||
## || Successfully assigned alignments : 4128449 (86.1%) ||
## || Running time : 0.26 minutes ||
## ||
## || Process BAM file lane7055_GCTCATGA_CTAAGCCT_lib190910_C11_526W_d42_L00 ... ||
## || Paired-end reads are included. ||

```

```

## || Total alignments : 7092782 ||
## || Successfully assigned alignments : 5680166 (80.1%) ||
## || Running time : 0.38 minutes ||
## ||
## || Process BAM file lane7055_GCTCATGA_CTCTCTAT_lib190910_H11_526W_d42_L00 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 8998 ||
## || Successfully assigned alignments : 7048 (78.3%) ||
## || Running time : 0.00 minutes ||
## ||
## || Process BAM file lane7055_GCTCATGA_GTAAGGAG_lib190910_F11_526W_d42_L00 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 113006 ||
## || Successfully assigned alignments : 84479 (74.8%) ||
## || Running time : 0.01 minutes ||
## ||
## || Process BAM file lane7055_GCTCATGA_TATCCTCT_lib190910_G11_526W_d42_L00 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 609829 ||
## || Successfully assigned alignments : 446552 (73.2%) ||
## || Running time : 0.04 minutes ||
## ||
## || Process BAM file lane7055_GCTCATGA_TCTCTCCG_lib190910_A11_526W_d42_L00 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 1789799 ||
## || Successfully assigned alignments : 1177147 (65.8%) ||
## || Running time : 0.10 minutes ||
## ||
## || Process BAM file lane7055_GGACTCCT_AAGGAGTA_lib190910_D5_501T_d42_L001 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 504019 ||
## || Successfully assigned alignments : 423562 (84.0%) ||
## || Running time : 0.03 minutes ||
## ||
## || Process BAM file lane7055_GGACTCCT_ACTGCATA_lib190910_E5_501T_d42_L001 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 257693 ||
## || Successfully assigned alignments : 205439 (79.7%) ||
## || Running time : 0.02 minutes ||
## ||
## || Process BAM file lane7055_GGACTCCT_CGTCTAAT_lib190910_B5_501T_d42_L001 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 155698 ||
## || Successfully assigned alignments : 128270 (82.4%) ||
## || Running time : 0.01 minutes ||
## ||
## || Process BAM file lane7055_GGACTCCT_CTAAGCCT_lib190910_C5_501T_d42_L001 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 556946 ||
## || Successfully assigned alignments : 465333 (83.6%) ||
## || Running time : 0.04 minutes ||
## ||
## || Process BAM file lane7055_GGACTCCT_CTCTCTAT_lib190910_H5_501T_d42_L001 ... ||
## || Paired-end reads are included. ||

```

```

## || Total alignments : 38279 ||
## || Successfully assigned alignments : 31181 (81.5%) ||
## || Running time : 0.01 minutes ||
## ||
## || Process BAM file lane7055_GGACTCCT_GTAAGGAG_lib190910_F5_501T_d42_L001 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 573144 ||
## || Successfully assigned alignments : 467261 (81.5%) ||
## || Running time : 0.04 minutes ||
## ||
## || Process BAM file lane7055_GGACTCCT_TATCCTCT_lib190910_G5_501T_d42_L001 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 1612920 ||
## || Successfully assigned alignments : 1332069 (82.6%) ||
## || Running time : 0.09 minutes ||
## ||
## || Process BAM file lane7055_GGACTCCT_TCTCTCCG_lib190910_A5_501T_d42_L001 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 337896 ||
## || Successfully assigned alignments : 285629 (84.5%) ||
## || Running time : 0.02 minutes ||
## ||
## || Process BAM file lane7055_GTAGAGGA_AAGGAGTA_lib190910_D10_526W_d42_L00 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 2272306 ||
## || Successfully assigned alignments : 1548316 (68.1%) ||
## || Running time : 0.13 minutes ||
## ||
## || Process BAM file lane7055_GTAGAGGA_ACTGCATA_lib190910_E10_526W_d42_L00 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 1823693 ||
## || Successfully assigned alignments : 1397606 (76.6%) ||
## || Running time : 0.10 minutes ||
## ||
## || Process BAM file lane7055_GTAGAGGA_CGTCTAAT_lib190910_B10_526W_d42_L00 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 8226207 ||
## || Successfully assigned alignments : 6540501 (79.5%) ||
## || Running time : 0.45 minutes ||
## ||
## || Process BAM file lane7055_GTAGAGGA_CTAAGCCT_lib190910_C10_526W_d42_L00 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 98 ||
## || Successfully assigned alignments : 8 (8.2%) ||
## || Running time : 0.00 minutes ||
## ||
## || Process BAM file lane7055_GTAGAGGA_CTCTCTAT_lib190910_H10_526W_d42_L00 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 1807632 ||
## || Successfully assigned alignments : 1380855 (76.4%) ||
## || Running time : 0.11 minutes ||
## ||
## || Process BAM file lane7055_GTAGAGGA_GTAAGGAG_lib190910_F10_526W_d42_L00 ... ||
## || Paired-end reads are included. ||

```

```

## || Total alignments : 1882776 ||
## || Successfully assigned alignments : 1625881 (86.4%) ||
## || Running time : 0.11 minutes ||
## ||
## || Process BAM file lane7055_GTAGAGGA_TATCCTCT_lib190910_G10_526W_d42_L00 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 70 ||
## || Successfully assigned alignments : 6 (8.6%) ||
## || Running time : 0.00 minutes ||
## ||
## || Process BAM file lane7055_GTAGAGGA_TCTCTCCG_lib190910_A10_526W_d42_L00 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 162268 ||
## || Successfully assigned alignments : 135504 (83.5%) ||
## || Running time : 0.01 minutes ||
## ||
## || Process BAM file lane7055_TAAGGCGA_AAGGAGTA_lib190910_D1_501T_d0_L001_ ... ||
## || Paired-end reads are included. ||
## || Total alignments : 1019518 ||
## || Successfully assigned alignments : 877079 (86.0%) ||
## || Running time : 0.06 minutes ||
## ||
## || Process BAM file lane7055_TAAGGCGA_ACTGCATA_lib190910_E1_501T_d0_L001_ ... ||
## || Paired-end reads are included. ||
## || Total alignments : 408736 ||
## || Successfully assigned alignments : 357619 (87.5%) ||
## || Running time : 0.03 minutes ||
## ||
## || Process BAM file lane7055_TAAGGCGA_CGTCTAAT_lib190910_B1_501T_d0_L001_ ... ||
## || Paired-end reads are included. ||
## || Total alignments : 314707 ||
## || Successfully assigned alignments : 242203 (77.0%) ||
## || Running time : 0.02 minutes ||
## ||
## || Process BAM file lane7055_TAAGGCGA_CTAAGCCT_lib190910_C1_501T_d0_L001_ ... ||
## || Paired-end reads are included. ||
## || Total alignments : 378173 ||
## || Successfully assigned alignments : 305790 (80.9%) ||
## || Running time : 0.02 minutes ||
## ||
## || Process BAM file lane7055_TAAGGCGA_CTCTCTAT_lib190910_H1_501T_d0_L001_ ... ||
## || Paired-end reads are included. ||
## || Total alignments : 53830 ||
## || Successfully assigned alignments : 47393 (88.0%) ||
## || Running time : 0.01 minutes ||
## ||
## || Process BAM file lane7055_TAAGGCGA_GTAAGGAG_lib190910_F1_501T_d0_L001_ ... ||
## || Paired-end reads are included. ||
## || Total alignments : 514590 ||
## || Successfully assigned alignments : 456422 (88.7%) ||
## || Running time : 0.03 minutes ||
## ||
## || Process BAM file lane7055_TAAGGCGA_TATCCTCT_lib190910_G1_501T_d0_L001_ ... ||
## || Paired-end reads are included. ||

```

```

## || Total alignments : 34210 ||
## || Successfully assigned alignments : 29214 (85.4%) ||
## || Running time : 0.00 minutes ||
## ||
## || Process BAM file lane7055_TAAGGCGA_TCTCTCCG_lib190910_A1_501T_d0_L001_ ... ||
## || Paired-end reads are included. ||
## || Total alignments : 44796 ||
## || Successfully assigned alignments : 38941 (86.9%) ||
## || Running time : 0.01 minutes ||
## ||
## || Process BAM file lane7055_TAGGCATG_AAGGAGTA_lib190910_D6_501T_d42_L001 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 649246 ||
## || Successfully assigned alignments : 519621 (80.0%) ||
## || Running time : 0.04 minutes ||
## ||
## || Process BAM file lane7055_TAGGCATG_ACTGCATA_lib190910_E6_501T_d42_L001 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 334592 ||
## || Successfully assigned alignments : 274021 (81.9%) ||
## || Running time : 0.03 minutes ||
## ||
## || Process BAM file lane7055_TAGGCATG_CGTCTAAT_lib190910_B6_501T_d42_L001 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 200282 ||
## || Successfully assigned alignments : 171536 (85.6%) ||
## || Running time : 0.02 minutes ||
## ||
## || Process BAM file lane7055_TAGGCATG_CTAAGCCT_lib190910_C6_501T_d42_L001 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 504698 ||
## || Successfully assigned alignments : 408632 (81.0%) ||
## || Running time : 0.03 minutes ||
## ||
## || Process BAM file lane7055_TAGGCATG_CTCTCTAT_lib190910_H6_501T_d42_L001 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 6826 ||
## || Successfully assigned alignments : 5419 (79.4%) ||
## || Running time : 0.00 minutes ||
## ||
## || Process BAM file lane7055_TAGGCATG_GTAAGGAG_lib190910_F6_501T_d42_L001 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 616879 ||
## || Successfully assigned alignments : 514673 (83.4%) ||
## || Running time : 0.04 minutes ||
## ||
## || Process BAM file lane7055_TAGGCATG_TATCCTCT_lib190910_G6_501T_d42_L001 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 199333 ||
## || Successfully assigned alignments : 168298 (84.4%) ||
## || Running time : 0.02 minutes ||
## ||
## || Process BAM file lane7055_TAGGCATG_TCTCTCCG_lib190910_A6_501T_d42_L001 ... ||
## || Paired-end reads are included. ||

```



```

## || Total alignments : 329949 ||
## || Successfully assigned alignments : 272668 (82.6%) ||
## || Running time : 0.02 minutes ||
## ||
## || Process BAM file lane7055_TCCTGAGC_AAGGAGTA_lib190910_D4_501T_d42_L001 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 390618 ||
## || Successfully assigned alignments : 329839 (84.4%) ||
## || Running time : 0.03 minutes ||
## ||
## || Process BAM file lane7055_TCCTGAGC_ACTGCATA_lib190910_E4_501T_d42_L001 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 700293 ||
## || Successfully assigned alignments : 546295 (78.0%) ||
## || Running time : 0.05 minutes ||
## ||
## || Process BAM file lane7055_TCCTGAGC_CGTCTAAT_lib190910_B4_501T_d42_L001 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 316061 ||
## || Successfully assigned alignments : 243737 (77.1%) ||
## || Running time : 0.02 minutes ||
## ||
## || Process BAM file lane7055_TCCTGAGC_CTAAGCCT_lib190910_C4_501T_d42_L001 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 719473 ||
## || Successfully assigned alignments : 601561 (83.6%) ||
## || Running time : 0.05 minutes ||
## ||
## || Process BAM file lane7055_TCCTGAGC_CTCTCTAT_lib190910_H4_501T_d42_L001 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 505349 ||
## || Successfully assigned alignments : 436079 (86.3%) ||
## || Running time : 0.03 minutes ||
## ||
## || Process BAM file lane7055_TCCTGAGC_GTAAGGAG_lib190910_F4_501T_d42_L001 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 1405889 ||
## || Successfully assigned alignments : 1196908 (85.1%) ||
## || Running time : 0.08 minutes ||
## ||
## || Process BAM file lane7055_TCCTGAGC_TATCCTCT_lib190910_G4_501T_d42_L001 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 1004922 ||
## || Successfully assigned alignments : 821340 (81.7%) ||
## || Running time : 0.06 minutes ||
## ||
## || Process BAM file lane7055_TCCTGAGC_TCTCTCCG_lib190910_A4_501T_d42_L001 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 699488 ||
## || Successfully assigned alignments : 595161 (85.1%) ||
## || Running time : 0.04 minutes ||
## ||
## || Process BAM file lane7052_AAGAGGCA_AAGGAGTA_cDNA190916_D9_665X_d42_L00 ... ||
## || Paired-end reads are included. ||

```

```

## || Total alignments : 2747380 ||
## || Successfully assigned alignments : 2351472 (85.6%) ||
## || Running time : 0.16 minutes ||
## ||
## || Process BAM file lane7052_AAGAGGCA_ACTGCATA_cDNA190916_E9_665X_d42_L00 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 950551 ||
## || Successfully assigned alignments : 679528 (71.5%) ||
## || Running time : 0.06 minutes ||
## ||
## || Process BAM file lane7052_AAGAGGCA_CGTCTAAT_cDNA190916_B9_665X_d42_L00 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 2422 ||
## || Successfully assigned alignments : 394 (16.3%) ||
## || Running time : 0.00 minutes ||
## ||
## || Process BAM file lane7052_AAGAGGCA_CTAAGCCT_cDNA190916_C9_665X_d42_L00 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 1389143 ||
## || Successfully assigned alignments : 1171859 (84.4%) ||
## || Running time : 0.08 minutes ||
## ||
## || Process BAM file lane7052_AAGAGGCA_CTCTCTAT_cDNA190916_H9_665X_d42_L00 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 9844 ||
## || Successfully assigned alignments : 7663 (77.8%) ||
## || Running time : 0.00 minutes ||
## ||
## || Process BAM file lane7052_AAGAGGCA_GTAAGGAG_cDNA190916_F9_665X_d42_L00 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 1499245 ||
## || Successfully assigned alignments : 1203616 (80.3%) ||
## || Running time : 0.09 minutes ||
## ||
## || Process BAM file lane7052_AAGAGGCA_TATCCTCT_cDNA190916_G9_665X_d42_L00 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 3047837 ||
## || Successfully assigned alignments : 2636584 (86.5%) ||
## || Running time : 0.17 minutes ||
## ||
## || Process BAM file lane7052_AAGAGGCA_TCTCTCCG_cDNA190916_A9_665X_d42_L00 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 3540739 ||
## || Successfully assigned alignments : 2654087 (75.0%) ||
## || Running time : 0.19 minutes ||
## ||
## || Process BAM file lane7052_AGGCAGAA_AAGGAGTA_cDNA190916_D3_665X_d42_L00 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 869393 ||
## || Successfully assigned alignments : 726224 (83.5%) ||
## || Running time : 0.05 minutes ||
## ||
## || Process BAM file lane7052_AGGCAGAA_ACTGCATA_cDNA190916_E3_665X_d42_L00 ... ||
## || Paired-end reads are included. ||

```

```

## || Total alignments : 539006 ||
## || Successfully assigned alignments : 404806 (75.1%) ||
## || Running time : 0.03 minutes ||
## ||
## || Process BAM file lane7052_AGGCAGAA_CGCTCTAAT_cDNA190916_B3_665X_d42_L00 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 1141 ||
## || Successfully assigned alignments : 62 (5.4%) ||
## || Running time : 0.00 minutes ||
## ||
## || Process BAM file lane7052_AGGCAGAA_CTAAGCCT_cDNA190916_C3_665X_d42_L00 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 1059972 ||
## || Successfully assigned alignments : 915423 (86.4%) ||
## || Running time : 0.06 minutes ||
## ||
## || Process BAM file lane7052_AGGCAGAA_CTCTCTAT_cDNA190916_H3_665X_d42_L00 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 63678 ||
## || Successfully assigned alignments : 51097 (80.2%) ||
## || Running time : 0.01 minutes ||
## ||
## || Process BAM file lane7052_AGGCAGAA_GTAAGGAG_cDNA190916_F3_665X_d42_L00 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 120361 ||
## || Successfully assigned alignments : 91524 (76.0%) ||
## || Running time : 0.01 minutes ||
## ||
## || Process BAM file lane7052_AGGCAGAA_TATCCTCT_cDNA190916_G3_665X_d42_L00 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 1850474 ||
## || Successfully assigned alignments : 1453607 (78.6%) ||
## || Running time : 0.11 minutes ||
## ||
## || Process BAM file lane7052_AGGCAGAA_TCTCTCCG_cDNA190916_A3_652H_d42_L00 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 1278 ||
## || Successfully assigned alignments : 69 (5.4%) ||
## || Running time : 0.00 minutes ||
## ||
## || Process BAM file lane7052_ATCTCAGG_AAGGAGTA_cDNA190916_D12_665X_d42_L0 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 6783221 ||
## || Successfully assigned alignments : 5128765 (75.6%) ||
## || Running time : 0.37 minutes ||
## ||
## || Process BAM file lane7052_ATCTCAGG_ACTGCATA_cDNA190916_E12_665X_d42_L0 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 7340222 ||
## || Successfully assigned alignments : 6235571 (85.0%) ||
## || Running time : 0.39 minutes ||
## ||
## || Process BAM file lane7052_ATCTCAGG_CGCTCTAAT_cDNA190916_B12_665X_d42_L0 ... ||
## || Paired-end reads are included. ||

```

```

## || Total alignments : 5297917 ||
## || Successfully assigned alignments : 3780083 (71.4%) ||
## || Running time : 0.27 minutes ||
## ||
## || Process BAM file lane7052_ATCTCAGG_CTAAGCCT_cDNA190916_C12_665X_d42_L0 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 6150 ||
## || Successfully assigned alignments : 275 (4.5%) ||
## || Running time : 0.00 minutes ||
## ||
## || Process BAM file lane7052_ATCTCAGG_CTCTCTAT_cDNA190916_H12_665X_d42_L0 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 4779929 ||
## || Successfully assigned alignments : 4102831 (85.8%) ||
## || Running time : 0.27 minutes ||
## ||
## || Process BAM file lane7052_ATCTCAGG_GTAAGGAG_cDNA190916_F12_665X_d42_L0 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 2510557 ||
## || Successfully assigned alignments : 1946506 (77.5%) ||
## || Running time : 0.14 minutes ||
## ||
## || Process BAM file lane7052_ATCTCAGG_TATCCTCT_cDNA190916_G12_665X_d42_L0 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 4444490 ||
## || Successfully assigned alignments : 3669504 (82.6%) ||
## || Running time : 0.23 minutes ||
## ||
## || Process BAM file lane7052_ATCTCAGG_TCTCTCCG_cDNA190916_A12_665X_d42_L0 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 17688 ||
## || Successfully assigned alignments : 713 (4.0%) ||
## || Running time : 0.00 minutes ||
## ||
## || Process BAM file lane7052_CGAGGCTG_AAGGAGTA_cDNA190916_D8_665X_d0_L001 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 361 ||
## || Successfully assigned alignments : 26 (7.2%) ||
## || Running time : 0.00 minutes ||
## ||
## || Process BAM file lane7052_CGAGGCTG_ACTGCATA_cDNA190916_E8_665X_d0_L001 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 332 ||
## || Successfully assigned alignments : 23 (6.9%) ||
## || Running time : 0.00 minutes ||
## ||
## || Process BAM file lane7052_CGAGGCTG_CGTCTAAT_cDNA190916_B8_665X_d0_L001 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 640 ||
## || Successfully assigned alignments : 44 (6.9%) ||
## || Running time : 0.00 minutes ||
## ||
## || Process BAM file lane7052_CGAGGCTG_CTAAGCCT_cDNA190916_C8_665X_d0_L001 ... ||
## || Paired-end reads are included. ||

```

```

## || Total alignments : 969 ||
## || Successfully assigned alignments : 60 (6.2%) ||
## || Running time : 0.00 minutes ||
## ||
## || Process BAM file lane7052_CGAGGCTG_CTCTCTAT_cDNA190916_H8_665X_d42_L00 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 816 ||
## || Successfully assigned alignments : 32 (3.9%) ||
## || Running time : 0.00 minutes ||
## ||
## || Process BAM file lane7052_CGAGGCTG_GTAAGGAG_cDNA190916_F8_665X_d0_L001 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 313 ||
## || Successfully assigned alignments : 20 (6.4%) ||
## || Running time : 0.00 minutes ||
## ||
## || Process BAM file lane7052_CGAGGCTG_TATCCTCT_cDNA190916_G8_665X_d0_L001 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 425 ||
## || Successfully assigned alignments : 34 (8.0%) ||
## || Running time : 0.00 minutes ||
## ||
## || Process BAM file lane7052_CGAGGCTG_TCTCTCCG_cDNA190916_A8_665X_d0_L001 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 2643 ||
## || Successfully assigned alignments : 149 (5.6%) ||
## || Running time : 0.00 minutes ||
## ||
## || Process BAM file lane7052_CGTACTAG_AAGGAGTA_cDNA190916_D2_665X_d42_L00 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 22563 ||
## || Successfully assigned alignments : 17747 (78.7%) ||
## || Running time : 0.00 minutes ||
## ||
## || Process BAM file lane7052_CGTACTAG_ACTGCATA_cDNA190916_E2_665X_d42_L00 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 18019 ||
## || Successfully assigned alignments : 10444 (58.0%) ||
## || Running time : 0.00 minutes ||
## ||
## || Process BAM file lane7052_CGTACTAG_CGTCTAAT_cDNA190916_B2_652H_d0_L001 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 22123 ||
## || Successfully assigned alignments : 14819 (67.0%) ||
## || Running time : 0.00 minutes ||
## ||
## || Process BAM file lane7052_CGTACTAG_CTAAGCCT_cDNA190916_C2_665X_d42_L00 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 4374 ||
## || Successfully assigned alignments : 2538 (58.0%) ||
## || Running time : 0.00 minutes ||
## ||
## || Process BAM file lane7052_CGTACTAG_CTCTCTAT_cDNA190916_H2_665X_d42_L00 ... ||
## || Paired-end reads are included. ||

```

```

## || Total alignments : 664 ||
## || Successfully assigned alignments : 29 (4.4%) ||
## || Running time : 0.00 minutes ||
## ||
## || Process BAM file lane7052_CGTACTAG_GTAAGGAG_cDNA190916_F2_665X_d42_L00 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 515 ||
## || Successfully assigned alignments : 100 (19.4%) ||
## || Running time : 0.00 minutes ||
## ||
## || Process BAM file lane7052_CGTACTAG_TATCCTCT_cDNA190916_G2_665X_d42_L00 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 40324 ||
## || Successfully assigned alignments : 33114 (82.1%) ||
## || Running time : 0.01 minutes ||
## ||
## || Process BAM file lane7052_CGTACTAG_TCTCTCCG_cDNA190916_A2_652H_d0_L001 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 1241 ||
## || Successfully assigned alignments : 127 (10.2%) ||
## || Running time : 0.00 minutes ||
## ||
## || Process BAM file lane7052_CTCTCTAC_AAGGAGTA_cDNA190916_D7_665X_d0_L001 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 428 ||
## || Successfully assigned alignments : 29 (6.8%) ||
## || Running time : 0.00 minutes ||
## ||
## || Process BAM file lane7052_CTCTCTAC_ACTGCATA_cDNA190916_E7_665X_d0_L001 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 467 ||
## || Successfully assigned alignments : 43 (9.2%) ||
## || Running time : 0.00 minutes ||
## ||
## || Process BAM file lane7052_CTCTCTAC_CGTCTAAT_cDNA190916_B7_665X_d0_L001 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 1672 ||
## || Successfully assigned alignments : 90 (5.4%) ||
## || Running time : 0.00 minutes ||
## ||
## || Process BAM file lane7052_CTCTCTAC_CTAAGCCT_cDNA190916_C7_665X_d0_L001 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 680 ||
## || Successfully assigned alignments : 28 (4.1%) ||
## || Running time : 0.00 minutes ||
## ||
## || Process BAM file lane7052_CTCTCTAC_CTCTCTAT_cDNA190916_H7_665X_d42_L00 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 4392 ||
## || Successfully assigned alignments : 197 (4.5%) ||
## || Running time : 0.00 minutes ||
## ||
## || Process BAM file lane7052_CTCTCTAC_GTAAGGAG_cDNA190916_F7_665X_d0_L001 ... ||
## || Paired-end reads are included. ||

```

```

## || Total alignments : 438 ||
## || Successfully assigned alignments : 35 (8.0%) ||
## || Running time : 0.00 minutes ||
## ||
## || Process BAM file lane7052_CTCTCTAC_TATCCTCT_cDNA190916_G7_665X_d0_L001 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 622 ||
## || Successfully assigned alignments : 36 (5.8%) ||
## || Running time : 0.00 minutes ||
## ||
## || Process BAM file lane7052_CTCTCTAC_TCTCTCCG_cDNA190916_A7_665X_d0_L001 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 2329 ||
## || Successfully assigned alignments : 107 (4.6%) ||
## || Running time : 0.00 minutes ||
## ||
## || Process BAM file lane7052_GCTCATGA_AAGGAGTA_cDNA190916_D11_665X_d42_L0 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 485134 ||
## || Successfully assigned alignments : 393771 (81.2%) ||
## || Running time : 0.03 minutes ||
## ||
## || Process BAM file lane7052_GCTCATGA_ACTGCATA_cDNA190916_E11_665X_d42_L0 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 3312550 ||
## || Successfully assigned alignments : 2464881 (74.4%) ||
## || Running time : 0.18 minutes ||
## ||
## || Process BAM file lane7052_GCTCATGA_CGTCTAAT_cDNA190916_B11_665X_d42_L0 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 7829 ||
## || Successfully assigned alignments : 373 (4.8%) ||
## || Running time : 0.00 minutes ||
## ||
## || Process BAM file lane7052_GCTCATGA_CTAAGCCT_cDNA190916_C11_665X_d42_L0 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 250889 ||
## || Successfully assigned alignments : 201286 (80.2%) ||
## || Running time : 0.02 minutes ||
## ||
## || Process BAM file lane7052_GCTCATGA_CTCTCTAT_cDNA190916_H11_665X_d42_L0 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 24197 ||
## || Successfully assigned alignments : 19582 (80.9%) ||
## || Running time : 0.00 minutes ||
## ||
## || Process BAM file lane7052_GCTCATGA_GTAAGGAG_cDNA190916_F11_665X_d42_L0 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 291832 ||
## || Successfully assigned alignments : 247582 (84.8%) ||
## || Running time : 0.02 minutes ||
## ||
## || Process BAM file lane7052_GCTCATGA_TATCCTCT_cDNA190916_G11_665X_d42_L0 ... ||
## || Paired-end reads are included. ||

```

```

## || Total alignments : 1846686 ||
## || Successfully assigned alignments : 435754 (23.6%) ||
## || Running time : 0.10 minutes ||
## ||
## || Process BAM file lane7052_GCTCATGA_TCTCTCCG_cDNA190916_A11_665X_d42_L0 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 7355 ||
## || Successfully assigned alignments : 324 (4.4%) ||
## || Running time : 0.00 minutes ||
## ||
## || Process BAM file lane7052_GGACTCCT_AAGGAGTA_cDNA190916_D5_665X_d42_L00 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 472 ||
## || Successfully assigned alignments : 131 (27.8%) ||
## || Running time : 0.00 minutes ||
## ||
## || Process BAM file lane7052_GGACTCCT_ACTGCATA_cDNA190916_E5_665X_d42_L00 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 619362 ||
## || Successfully assigned alignments : 408315 (65.9%) ||
## || Running time : 0.04 minutes ||
## ||
## || Process BAM file lane7052_GGACTCCT_CGTCTAAT_cDNA190916_B5_665X_d42_L00 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 1525 ||
## || Successfully assigned alignments : 471 (30.9%) ||
## || Running time : 0.00 minutes ||
## ||
## || Process BAM file lane7052_GGACTCCT_CTAAGCCT_cDNA190916_C5_665X_d42_L00 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 484498 ||
## || Successfully assigned alignments : 422177 (87.1%) ||
## || Running time : 0.03 minutes ||
## ||
## || Process BAM file lane7052_GGACTCCT_CTCTCTAT_cDNA190916_H5_665X_d42_L00 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 2733194 ||
## || Successfully assigned alignments : 2310233 (84.5%) ||
## || Running time : 0.15 minutes ||
## ||
## || Process BAM file lane7052_GGACTCCT_GTAAGGAG_cDNA190916_F5_665X_d42_L00 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 54927 ||
## || Successfully assigned alignments : 43502 (79.2%) ||
## || Running time : 0.01 minutes ||
## ||
## || Process BAM file lane7052_GGACTCCT_TATCCTCT_cDNA190916_G5_665X_d42_L00 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 246548 ||
## || Successfully assigned alignments : 190278 (77.2%) ||
## || Running time : 0.02 minutes ||
## ||
## || Process BAM file lane7052_GGACTCCT_TCTCTCCG_cDNA190916_A5_665X_d42_L00 ... ||
## || Paired-end reads are included. ||

```



```

## || Total alignments : 736 ||
## || Successfully assigned alignments : 169 (23.0%) ||
## || Running time : 0.00 minutes ||
## ||
## || Process BAM file lane7052_GTAGAGGA_AAGGAGTA_cDNA190916_D10_665X_d42_L0 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 1980234 ||
## || Successfully assigned alignments : 1637826 (82.7%) ||
## || Running time : 0.11 minutes ||
## ||
## || Process BAM file lane7052_GTAGAGGA_ACTGCATA_cDNA190916_E10_665X_d42_L0 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 1828571 ||
## || Successfully assigned alignments : 1460007 (79.8%) ||
## || Running time : 0.11 minutes ||
## ||
## || Process BAM file lane7052_GTAGAGGA_CGTCTAAT_cDNA190916_B10_665X_d42_L0 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 9243528 ||
## || Successfully assigned alignments : 8131109 (88.0%) ||
## || Running time : 0.50 minutes ||
## ||
## || Process BAM file lane7052_GTAGAGGA_CTAAGCCT_cDNA190916_C10_665X_d42_L0 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 4558707 ||
## || Successfully assigned alignments : 3640918 (79.9%) ||
## || Running time : 0.25 minutes ||
## ||
## || Process BAM file lane7052_GTAGAGGA_CTCTCTAT_cDNA190916_H10_665X_d42_L0 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 5614 ||
## || Successfully assigned alignments : 3097 (55.2%) ||
## || Running time : 0.00 minutes ||
## ||
## || Process BAM file lane7052_GTAGAGGA_GTAAGGAG_cDNA190916_F10_665X_d42_L0 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 3812741 ||
## || Successfully assigned alignments : 3324062 (87.2%) ||
## || Running time : 0.21 minutes ||
## ||
## || Process BAM file lane7052_GTAGAGGA_TATCCTCT_cDNA190916_G10_665X_d42_L0 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 4942992 ||
## || Successfully assigned alignments : 4316221 (87.3%) ||
## || Running time : 0.27 minutes ||
## ||
## || Process BAM file lane7052_GTAGAGGA_TCTCTCCG_cDNA190916_A10_665X_d42_L0 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 4643971 ||
## || Successfully assigned alignments : 3705119 (79.8%) ||
## || Running time : 0.26 minutes ||
## ||
## || Process BAM file lane7052_TAAGGCGA_AAGGAGTA_cDNA190916_D1_665X_d42_L00 ... ||
## || Paired-end reads are included. ||

```

```

## || Total alignments : 1394788 ||
## || Successfully assigned alignments : 1215748 (87.2%) ||
## || Running time : 0.08 minutes ||
## ||
## || Process BAM file lane7052_TAAGGCGA_ACTGCATA_cDNA190916_E1_665X_d42_L00 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 11971 ||
## || Successfully assigned alignments : 9199 (76.8%) ||
## || Running time : 0.00 minutes ||
## ||
## || Process BAM file lane7052_TAAGGCGA_CGTCTAAT_cDNA190916_B1_652H_d0_L001 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 892450 ||
## || Successfully assigned alignments : 791499 (88.7%) ||
## || Running time : 0.05 minutes ||
## ||
## || Process BAM file lane7052_TAAGGCGA_CTAAGCCT_cDNA190916_C1_665X_d42_L00 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 5406 ||
## || Successfully assigned alignments : 3385 (62.6%) ||
## || Running time : 0.00 minutes ||
## ||
## || Process BAM file lane7052_TAAGGCGA_CTCTCTAT_cDNA190916_H1_665X_d42_L00 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 2089 ||
## || Successfully assigned alignments : 311 (14.9%) ||
## || Running time : 0.00 minutes ||
## ||
## || Process BAM file lane7052_TAAGGCGA_GTAAGGAG_cDNA190916_F1_665X_d42_L00 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 6055 ||
## || Successfully assigned alignments : 4813 (79.5%) ||
## || Running time : 0.00 minutes ||
## ||
## || Process BAM file lane7052_TAAGGCGA_TATCCTCT_cDNA190916_G1_665X_d42_L00 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 963 ||
## || Successfully assigned alignments : 137 (14.2%) ||
## || Running time : 0.00 minutes ||
## ||
## || Process BAM file lane7052_TAAGGCGA_TCTCTCCG_cDNA190916_A1_652H_d0_L001 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 792983 ||
## || Successfully assigned alignments : 686166 (86.5%) ||
## || Running time : 0.05 minutes ||
## ||
## || Process BAM file lane7052_TAGGCATG_AAGGAGTA_cDNA190916_D6_665X_d42_L00 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 565317 ||
## || Successfully assigned alignments : 446385 (79.0%) ||
## || Running time : 0.04 minutes ||
## ||
## || Process BAM file lane7052_TAGGCATG_ACTGCATA_cDNA190916_E6_665X_d42_L00 ... ||
## || Paired-end reads are included. ||

```

```

## || Total alignments : 2451937 ||
## || Successfully assigned alignments : 2111063 (86.1%) ||
## || Running time : 0.14 minutes ||
## ||
## || Process BAM file lane7052_TAGGCATG_CGTCTAAT_cDNA190916_B6_665X_d42_L00 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 4743 ||
## || Successfully assigned alignments : 2748 (57.9%) ||
## || Running time : 0.00 minutes ||
## ||
## || Process BAM file lane7052_TAGGCATG_CTAAGCCT_cDNA190916_C6_665X_d42_L00 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 691 ||
## || Successfully assigned alignments : 40 (5.8%) ||
## || Running time : 0.00 minutes ||
## ||
## || Process BAM file lane7052_TAGGCATG_CTCTCTAT_cDNA190916_H6_665X_d42_L00 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 2216525 ||
## || Successfully assigned alignments : 1917187 (86.5%) ||
## || Running time : 0.12 minutes ||
## ||
## || Process BAM file lane7052_TAGGCATG_GTAAGGAG_cDNA190916_F6_665X_d42_L00 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 717751 ||
## || Successfully assigned alignments : 487779 (68.0%) ||
## || Running time : 0.04 minutes ||
## ||
## || Process BAM file lane7052_TAGGCATG_TATCCTCT_cDNA190916_G6_665X_d42_L00 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 251587 ||
## || Successfully assigned alignments : 191543 (76.1%) ||
## || Running time : 0.02 minutes ||
## ||
## || Process BAM file lane7052_TAGGCATG_TCTCTCCG_cDNA190916_A6_665X_d42_L00 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 3009981 ||
## || Successfully assigned alignments : 2643007 (87.8%) ||
## || Running time : 0.17 minutes ||
## ||
## || Process BAM file lane7052_TCCTGAGC_AAGGAGTA_cDNA190916_D4_665X_d42_L00 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 331524 ||
## || Successfully assigned alignments : 292469 (88.2%) ||
## || Running time : 0.02 minutes ||
## ||
## || Process BAM file lane7052_TCCTGAGC_ACTGCATA_cDNA190916_E4_665X_d42_L00 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 963906 ||
## || Successfully assigned alignments : 826451 (85.7%) ||
## || Running time : 0.06 minutes ||
## ||
## || Process BAM file lane7052_TCCTGAGC_CGTCTAAT_cDNA190916_B4_665X_d42_L00 ... ||
## || Paired-end reads are included. ||

```

```

## || Total alignments : 725 ||
## || Successfully assigned alignments : 39 (5.4%) ||
## || Running time : 0.00 minutes ||
## ||
## || Process BAM file lane7052_TCCTGAGC_CTAAGCCT_cDNA190916_C4_665X_d42_L00 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 5349 ||
## || Successfully assigned alignments : 3438 (64.3%) ||
## || Running time : 0.00 minutes ||
## ||
## || Process BAM file lane7052_TCCTGAGC_CTCTCTAT_cDNA190916_H4_665X_d42_L00 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 626 ||
## || Successfully assigned alignments : 41 (6.5%) ||
## || Running time : 0.00 minutes ||
## ||
## || Process BAM file lane7052_TCCTGAGC_GTAAGGAG_cDNA190916_F4_665X_d42_L00 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 1198697 ||
## || Successfully assigned alignments : 1008812 (84.2%) ||
## || Running time : 0.07 minutes ||
## ||
## || Process BAM file lane7052_TCCTGAGC_TATCCTCT_cDNA190916_G4_665X_d42_L00 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 96545 ||
## || Successfully assigned alignments : 72657 (75.3%) ||
## || Running time : 0.01 minutes ||
## ||
## || Process BAM file lane7052_TCCTGAGC_TCTCTCCG_cDNA190916_A4_652H_d42_L00 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 587627 ||
## || Successfully assigned alignments : 480791 (81.8%) ||
## || Running time : 0.04 minutes ||
## ||
## || Process BAM file lane7023_AAGAGGCA_AAGGAGTA_cDNA190917_D9_627F_d42_L00 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 168491 ||
## || Successfully assigned alignments : 126018 (74.8%) ||
## || Running time : 0.02 minutes ||
## ||
## || Process BAM file lane7023_AAGAGGCA_ACTGCATA_cDNA190917_E9_627F_d42_L00 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 148995 ||
## || Successfully assigned alignments : 115745 (77.7%) ||
## || Running time : 0.02 minutes ||
## ||
## || Process BAM file lane7023_AAGAGGCA_CGTCTAAT_cDNA190917_B9_643Y_d42_L00 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 3170 ||
## || Successfully assigned alignments : 2068 (65.2%) ||
## || Running time : 0.00 minutes ||
## ||
## || Process BAM file lane7023_AAGAGGCA_CTAAGCCT_cDNA190917_C9_643Y_d42_L00 ... ||
## || Paired-end reads are included. ||

```

```

## || Total alignments : 1202 ||
## || Successfully assigned alignments : 826 (68.7%) ||
## || Running time : 0.00 minutes ||
## ||
## || Process BAM file lane7023_AAGAGGCA_CTCTCTAT_cDNA190917_H9_627F_d42_L00 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 967998 ||
## || Successfully assigned alignments : 820968 (84.8%) ||
## || Running time : 0.06 minutes ||
## ||
## || Process BAM file lane7023_AAGAGGCA_GTAAGGAG_cDNA190917_F9_627F_d42_L00 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 935358 ||
## || Successfully assigned alignments : 746494 (79.8%) ||
## || Running time : 0.06 minutes ||
## ||
## || Process BAM file lane7023_AAGAGGCA_TATCCTCT_cDNA190917_G9_627F_d42_L00 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 381512 ||
## || Successfully assigned alignments : 310933 (81.5%) ||
## || Running time : 0.03 minutes ||
## ||
## || Process BAM file lane7023_AAGAGGCA_TCTCTCCG_cDNA190917_A9_643Y_d42_L00 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 17542 ||
## || Successfully assigned alignments : 12153 (69.3%) ||
## || Running time : 0.00 minutes ||
## ||
## || Process BAM file lane7023_AGGCAGAA_AAGGAGTA_cDNA190917_D3_627F_d42_L00 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 1536820 ||
## || Successfully assigned alignments : 1334351 (86.8%) ||
## || Running time : 0.09 minutes ||
## ||
## || Process BAM file lane7023_AGGCAGAA_ACTGCATA_cDNA190917_E3_627F_d42_L00 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 163228 ||
## || Successfully assigned alignments : 138978 (85.1%) ||
## || Running time : 0.01 minutes ||
## ||
## || Process BAM file lane7023_AGGCAGAA_CGTCTAAT_cDNA190917_B3_627F_d42_L00 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 130161 ||
## || Successfully assigned alignments : 103438 (79.5%) ||
## || Running time : 0.01 minutes ||
## ||
## || Process BAM file lane7023_AGGCAGAA_CTAAGCCT_cDNA190917_C3_627F_d42_L00 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 1296830 ||
## || Successfully assigned alignments : 1127054 (86.9%) ||
## || Running time : 0.08 minutes ||
## ||
## || Process BAM file lane7023_AGGCAGAA_CTCTCTAT_cDNA190917_H3_627F_d42_L00 ... ||
## || Paired-end reads are included. ||

```

```

## || Total alignments : 307 ||
## || Successfully assigned alignments : 144 (46.9%) ||
## || Running time : 0.00 minutes ||
## ||
## || Process BAM file lane7023_AGGCAGAA_GTAAGGAG_cDNA190917_F3_627F_d42_L00 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 925084 ||
## || Successfully assigned alignments : 797219 (86.2%) ||
## || Running time : 0.05 minutes ||
## ||
## || Process BAM file lane7023_AGGCAGAA_TATCCTCT_cDNA190917_G3_627F_d42_L00 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 1103710 ||
## || Successfully assigned alignments : 931431 (84.4%) ||
## || Running time : 0.07 minutes ||
## ||
## || Process BAM file lane7023_AGGCAGAA_TCTCTCCG_cDNA190917_A3_627F_d42_L00 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 160690 ||
## || Successfully assigned alignments : 126502 (78.7%) ||
## || Running time : 0.01 minutes ||
## ||
## || Process BAM file lane7023_ATCTCAGG_AAGGAGTA_cDNA190917_D12_643Y_d42_L0 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 553356 ||
## || Successfully assigned alignments : 429161 (77.6%) ||
## || Running time : 0.03 minutes ||
## ||
## || Process BAM file lane7023_ATCTCAGG_ACTGCATA_cDNA190917_E12_627F_d42_L0 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 216 ||
## || Successfully assigned alignments : 24 (11.1%) ||
## || Running time : 0.00 minutes ||
## ||
## || Process BAM file lane7023_ATCTCAGG_CGTCTAAT_cDNA190917_B12_643Y_d42_L0 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 4747087 ||
## || Successfully assigned alignments : 3840768 (80.9%) ||
## || Running time : 0.26 minutes ||
## ||
## || Process BAM file lane7023_ATCTCAGG_CTAAGCCT_cDNA190917_C12_643Y_d42_L0 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 2624645 ||
## || Successfully assigned alignments : 1973670 (75.2%) ||
## || Running time : 0.14 minutes ||
## ||
## || Process BAM file lane7023_ATCTCAGG_CTCTCTAT_cDNA190917_H12_594V_d0_L00 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 244655 ||
## || Successfully assigned alignments : 201845 (82.5%) ||
## || Running time : 0.02 minutes ||
## ||
## || Process BAM file lane7023_ATCTCAGG_GTAAGGAG_cDNA190917_F12_627F_d42_L0 ... ||
## || Paired-end reads are included. ||

```

```

## || Total alignments : 781994 ||
## || Successfully assigned alignments : 601723 (76.9%) ||
## || Running time : 0.05 minutes ||
## ||
## || Process BAM file lane7023_ATCTCAGG_TATCTCT_cDNA190917_G12_627F_d42_L0 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 43254 ||
## || Successfully assigned alignments : 33427 (77.3%) ||
## || Running time : 0.01 minutes ||
## ||
## || Process BAM file lane7023_ATCTCAGG_TCTCTCCG_cDNA190917_A12_643Y_d42_L0 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 8719646 ||
## || Successfully assigned alignments : 7399705 (84.9%) ||
## || Running time : 0.47 minutes ||
## ||
## || Process BAM file lane7023_CGAGGCTG_AAGGAGTA_cDNA190917_D8_643Y_d0_L001 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 79 ||
## || Successfully assigned alignments : 12 (15.2%) ||
## || Running time : 0.00 minutes ||
## ||
## || Process BAM file lane7023_CGAGGCTG_ACTGCATA_cDNA190917_E8_594V_d42_L00 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 1260165 ||
## || Successfully assigned alignments : 990551 (78.6%) ||
## || Running time : 0.07 minutes ||
## ||
## || Process BAM file lane7023_CGAGGCTG_CGTCTAAT_cDNA190917_B8_643Y_d0_L001 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 14029 ||
## || Successfully assigned alignments : 11188 (79.7%) ||
## || Running time : 0.00 minutes ||
## ||
## || Process BAM file lane7023_CGAGGCTG_CTAAGCCT_cDNA190917_C8_643Y_d0_L001 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 35764 ||
## || Successfully assigned alignments : 30075 (84.1%) ||
## || Running time : 0.00 minutes ||
## ||
## || Process BAM file lane7023_CGAGGCTG_CTCTCTAT_cDNA190917_H8_594V_d42_L00 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 1121988 ||
## || Successfully assigned alignments : 955622 (85.2%) ||
## || Running time : 0.07 minutes ||
## ||
## || Process BAM file lane7023_CGAGGCTG_GTAAGGAG_cDNA190917_F8_594V_d42_L00 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 897476 ||
## || Successfully assigned alignments : 752152 (83.8%) ||
## || Running time : 0.05 minutes ||
## ||
## || Process BAM file lane7023_CGAGGCTG_TATCTCT_cDNA190917_G8_594V_d42_L00 ... ||
## || Paired-end reads are included. ||

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```

## || Total alignments : 3293158 ||
## || Successfully assigned alignments : 2821777 (85.7%) ||
## || Running time : 0.19 minutes ||
## ||
## || Process BAM file lane7023_CGAGGCTG_TCTCTCCG_cDNA190917_A8_643Y_d0_L001 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 48958 ||
## || Successfully assigned alignments : 39514 (80.7%) ||
## || Running time : 0.01 minutes ||
## ||
## || Process BAM file lane7023_CGTACTAG_AAGGAGTA_cDNA190917_D2_627F_d0_L001 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 1247089 ||
## || Successfully assigned alignments : 1029942 (82.6%) ||
## || Running time : 0.07 minutes ||
## ||
## || Process BAM file lane7023_CGTACTAG_ACTGCATA_cDNA190917_E2_627F_d0_L001 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 28080 ||
## || Successfully assigned alignments : 22124 (78.8%) ||
## || Running time : 0.00 minutes ||
## ||
## || Process BAM file lane7023_CGTACTAG_CGTCTAAT_cDNA190917_B2_627F_d0_L001 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 327123 ||
## || Successfully assigned alignments : 260728 (79.7%) ||
## || Running time : 0.02 minutes ||
## ||
## || Process BAM file lane7023_CGTACTAG_CTAAGCCT_cDNA190917_C2_627F_d0_L001 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 34769 ||
## || Successfully assigned alignments : 28110 (80.8%) ||
## || Running time : 0.00 minutes ||
## ||
## || Process BAM file lane7023_CGTACTAG_CTCTCTAT_cDNA190917_H2_627F_d0_L001 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 1288 ||
## || Successfully assigned alignments : 837 (65.0%) ||
## || Running time : 0.00 minutes ||
## ||
## || Process BAM file lane7023_CGTACTAG_GTAAGGAG_cDNA190917_F2_627F_d0_L001 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 924488 ||
## || Successfully assigned alignments : 770956 (83.4%) ||
## || Running time : 0.05 minutes ||
## ||
## || Process BAM file lane7023_CGTACTAG_TATCCTCT_cDNA190917_G2_627F_d0_L001 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 405091 ||
## || Successfully assigned alignments : 338357 (83.5%) ||
## || Running time : 0.02 minutes ||
## ||
## || Process BAM file lane7023_CGTACTAG_TCTCTCCG_cDNA190917_A2_627F_d0_L001 ... ||
## || Paired-end reads are included. ||

```



```

## || Total alignments : 462534 ||
## || Successfully assigned alignments : 374058 (80.9%) ||
## || Running time : 0.03 minutes ||
## ||
## || Process BAM file lane7023_CTCTCTAC_AAGGAGTA_cDNA190917_D7_643Y_d0_L001 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 84 ||
## || Successfully assigned alignments : 5 (6.0%) ||
## || Running time : 0.00 minutes ||
## ||
## || Process BAM file lane7023_CTCTCTAC_ACTGCATA_cDNA190917_E7_594V_d42_L00 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 510743 ||
## || Successfully assigned alignments : 432187 (84.6%) ||
## || Running time : 0.03 minutes ||
## ||
## || Process BAM file lane7023_CTCTCTAC_CGTCTAAT_cDNA190917_B7_643Y_d0_L001 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 5899 ||
## || Successfully assigned alignments : 4782 (81.1%) ||
## || Running time : 0.00 minutes ||
## ||
## || Process BAM file lane7023_CTCTCTAC_CTAAGCCT_cDNA190917_C7_643Y_d0_L001 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 8399 ||
## || Successfully assigned alignments : 6423 (76.5%) ||
## || Running time : 0.00 minutes ||
## ||
## || Process BAM file lane7023_CTCTCTAC_CTCTCTAT_cDNA190917_H7_594V_d42_L00 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 1585750 ||
## || Successfully assigned alignments : 1142110 (72.0%) ||
## || Running time : 0.09 minutes ||
## ||
## || Process BAM file lane7023_CTCTCTAC_GTAAGGAG_cDNA190917_F7_594V_d42_L00 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 1915510 ||
## || Successfully assigned alignments : 1634761 (85.3%) ||
## || Running time : 0.11 minutes ||
## ||
## || Process BAM file lane7023_CTCTCTAC_TATCCTCT_cDNA190917_G7_594V_d42_L00 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 1338613 ||
## || Successfully assigned alignments : 1087276 (81.2%) ||
## || Running time : 0.08 minutes ||
## ||
## || Process BAM file lane7023_CTCTCTAC_TCTCTCCG_cDNA190917_A7_643Y_d0_L001 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 104872 ||
## || Successfully assigned alignments : 85421 (81.5%) ||
## || Running time : 0.01 minutes ||
## ||
## || Process BAM file lane7023_GCTCATGA_AAGGAGTA_cDNA190917_D11_627F_d42_L0 ... ||
## || Paired-end reads are included. ||

```

```

## || Total alignments : 63 ||
## || Successfully assigned alignments : 4 (6.3%) ||
## || Running time : 0.00 minutes ||
## ||
## || Process BAM file lane7023_GCTCATGA_ACTGCATA_cDNA190917_E11_627F_d42_L0 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 123 ||
## || Successfully assigned alignments : 10 (8.1%) ||
## || Running time : 0.00 minutes ||
## ||
## || Process BAM file lane7023_GCTCATGA_CGTCTAAT_cDNA190917_B11_643Y_d42_L0 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 3483030 ||
## || Successfully assigned alignments : 2779497 (79.8%) ||
## || Running time : 0.19 minutes ||
## ||
## || Process BAM file lane7023_GCTCATGA_CTAAGCCT_cDNA190917_C11_643Y_d42_L0 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 17721 ||
## || Successfully assigned alignments : 730 (4.1%) ||
## || Running time : 0.00 minutes ||
## ||
## || Process BAM file lane7023_GCTCATGA_CTCTCTAT_cDNA190917_H11_594V_d0_L00 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 40626 ||
## || Successfully assigned alignments : 35013 (86.2%) ||
## || Running time : 0.01 minutes ||
## ||
## || Process BAM file lane7023_GCTCATGA_GTAAGGAG_cDNA190917_F11_627F_d42_L0 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 1026007 ||
## || Successfully assigned alignments : 781724 (76.2%) ||
## || Running time : 0.06 minutes ||
## ||
## || Process BAM file lane7023_GCTCATGA_TATCCTCT_cDNA190917_G11_627F_d42_L0 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 1798820 ||
## || Successfully assigned alignments : 1501975 (83.5%) ||
## || Running time : 0.10 minutes ||
## ||
## || Process BAM file lane7023_GCTCATGA_TCTCTCCG_cDNA190917_A11_643Y_d42_L0 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 25760 ||
## || Successfully assigned alignments : 20720 (80.4%) ||
## || Running time : 0.00 minutes ||
## ||
## || Process BAM file lane7023_GGACTCCT_AAGGAGTA_cDNA190917_D5_627F_d42_L00 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 386467 ||
## || Successfully assigned alignments : 325072 (84.1%) ||
## || Running time : 0.03 minutes ||
## ||
## || Process BAM file lane7023_GGACTCCT_ACTGCATA_cDNA190917_E5_627F_d42_L00 ... ||
## || Paired-end reads are included. ||

```

```

## || Total alignments : 1997903 ||
## || Successfully assigned alignments : 1744034 (87.3%) ||
## || Running time : 0.12 minutes ||
## ||
## || Process BAM file lane7023_GGACTCCT_CGTCTAAT_cDNA190917_B5_627F_d42_L00 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 245909 ||
## || Successfully assigned alignments : 186089 (75.7%) ||
## || Running time : 0.02 minutes ||
## ||
## || Process BAM file lane7023_GGACTCCT_CTAAGCCT_cDNA190917_C5_627F_d42_L00 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 1405 ||
## || Successfully assigned alignments : 1111 (79.1%) ||
## || Running time : 0.00 minutes ||
## ||
## || Process BAM file lane7023_GGACTCCT_CTCTCTAT_cDNA190917_H5_627F_d42_L00 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 394017 ||
## || Successfully assigned alignments : 315970 (80.2%) ||
## || Running time : 0.03 minutes ||
## ||
## || Process BAM file lane7023_GGACTCCT_GTAAGGAG_cDNA190917_F5_627F_d42_L00 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 433383 ||
## || Successfully assigned alignments : 372962 (86.1%) ||
## || Running time : 0.03 minutes ||
## ||
## || Process BAM file lane7023_GGACTCCT_TATCCTCT_cDNA190917_G5_627F_d42_L00 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 2049432 ||
## || Successfully assigned alignments : 1725840 (84.2%) ||
## || Running time : 0.12 minutes ||
## ||
## || Process BAM file lane7023_GGACTCCT_TCTCTCCG_cDNA190917_A5_627F_d42_L00 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 19499 ||
## || Successfully assigned alignments : 15774 (80.9%) ||
## || Running time : 0.00 minutes ||
## ||
## || Process BAM file lane7023_GTAGAGGA_AAGGAGTA_cDNA190917_D10_627F_d42_L0 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 2408038 ||
## || Successfully assigned alignments : 1796261 (74.6%) ||
## || Running time : 0.13 minutes ||
## ||
## || Process BAM file lane7023_GTAGAGGA_ACTGCATA_cDNA190917_E10_627F_d42_L0 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 9811 ||
## || Successfully assigned alignments : 7470 (76.1%) ||
## || Running time : 0.00 minutes ||
## ||
## || Process BAM file lane7023_GTAGAGGA_CGTCTAAT_cDNA190917_B10_643Y_d42_L0 ... ||
## || Paired-end reads are included. ||

```

```

## || Total alignments : 612338 ||
## || Successfully assigned alignments : 460233 (75.2%) ||
## || Running time : 0.04 minutes ||
## ||
## || Process BAM file lane7023_GTAGAGGA_CTAAGCCT_cDNA190917_C10_643Y_d42_L0 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 590543 ||
## || Successfully assigned alignments : 461214 (78.1%) ||
## || Running time : 0.04 minutes ||
## ||
## || Process BAM file lane7023_GTAGAGGA_CTCTCTAT_cDNA190917_H10_594V_d0_L00 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 2409815 ||
## || Successfully assigned alignments : 2083394 (86.5%) ||
## || Running time : 0.13 minutes ||
## ||
## || Process BAM file lane7023_GTAGAGGA_GTAAGGAG_cDNA190917_F10_627F_d42_L0 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 633983 ||
## || Successfully assigned alignments : 492397 (77.7%) ||
## || Running time : 0.04 minutes ||
## ||
## || Process BAM file lane7023_GTAGAGGA_TATCCTCT_cDNA190917_G10_627F_d42_L0 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 819852 ||
## || Successfully assigned alignments : 621808 (75.8%) ||
## || Running time : 0.05 minutes ||
## ||
## || Process BAM file lane7023_GTAGAGGA_TCTCTCCG_cDNA190917_A10_643Y_d42_L0 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 4391943 ||
## || Successfully assigned alignments : 3450579 (78.6%) ||
## || Running time : 0.24 minutes ||
## ||
## || Process BAM file lane7023_TAAGGCGA_AAGGAGTA_cDNA190917_D1_627F_d0_L001 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 1497404 ||
## || Successfully assigned alignments : 1252783 (83.7%) ||
## || Running time : 0.09 minutes ||
## ||
## || Process BAM file lane7023_TAAGGCGA_ACTGCATA_cDNA190917_E1_627F_d0_L001 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 89763 ||
## || Successfully assigned alignments : 75282 (83.9%) ||
## || Running time : 0.01 minutes ||
## ||
## || Process BAM file lane7023_TAAGGCGA_CGTCTAAT_cDNA190917_B1_627F_d0_L001 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 3120537 ||
## || Successfully assigned alignments : 2680252 (85.9%) ||
## || Running time : 0.17 minutes ||
## ||
## || Process BAM file lane7023_TAAGGCGA_CTAAGCCT_cDNA190917_C1_627F_d0_L001 ... ||
## || Paired-end reads are included. ||

```

```

## || Total alignments : 636057 ||
## || Successfully assigned alignments : 538686 (84.7%) ||
## || Running time : 0.04 minutes ||
## ||
## || Process BAM file lane7023_TAAGGCGA_CTCTCTAT_cDNA190917_H1_627F_d0_L001 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 2369 ||
## || Successfully assigned alignments : 1898 (80.1%) ||
## || Running time : 0.00 minutes ||
## ||
## || Process BAM file lane7023_TAAGGCGA_GTAAGGAG_cDNA190917_F1_627F_d0_L001 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 1296164 ||
## || Successfully assigned alignments : 1162115 (89.7%) ||
## || Running time : 0.08 minutes ||
## ||
## || Process BAM file lane7023_TAAGGCGA_TATCCTCT_cDNA190917_G1_627F_d0_L001 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 578728 ||
## || Successfully assigned alignments : 502180 (86.8%) ||
## || Running time : 0.04 minutes ||
## ||
## || Process BAM file lane7023_TAAGGCGA_TCTCTCCG_cDNA190917_A1_627F_d0_L001 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 2259 ||
## || Successfully assigned alignments : 1487 (65.8%) ||
## || Running time : 0.00 minutes ||
## ||
## || Process BAM file lane7023_TAGGCATG_AAGGAGTA_cDNA190917_D6_627F_d42_L00 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 2106816 ||
## || Successfully assigned alignments : 1811802 (86.0%) ||
## || Running time : 0.12 minutes ||
## ||
## || Process BAM file lane7023_TAGGCATG_ACTGCATA_cDNA190917_E6_627F_d42_L00 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 329373 ||
## || Successfully assigned alignments : 258884 (78.6%) ||
## || Running time : 0.02 minutes ||
## ||
## || Process BAM file lane7023_TAGGCATG_CGTCTAAT_cDNA190917_B6_627F_d42_L00 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 296098 ||
## || Successfully assigned alignments : 231435 (78.2%) ||
## || Running time : 0.02 minutes ||
## ||
## || Process BAM file lane7023_TAGGCATG_CTAAGCCT_cDNA190917_C6_627F_d42_L00 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 30570 ||
## || Successfully assigned alignments : 24396 (79.8%) ||
## || Running time : 0.00 minutes ||
## ||
## || Process BAM file lane7023_TAGGCATG_CTCTCTAT_cDNA190917_H6_627F_d42_L00 ... ||
## || Paired-end reads are included. ||

```

```

## || Total alignments : 20261 ||
## || Successfully assigned alignments : 16907 (83.4%) ||
## || Running time : 0.00 minutes ||
## ||
## || Process BAM file lane7023_TAGGCATG_GTAAGGAG_cDNA190917_F6_627F_d42_L00 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 140183 ||
## || Successfully assigned alignments : 117441 (83.8%) ||
## || Running time : 0.02 minutes ||
## ||
## || Process BAM file lane7023_TAGGCATG_TATCCTCT_cDNA190917_G6_627F_d42_L00 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 1659287 ||
## || Successfully assigned alignments : 1323725 (79.8%) ||
## || Running time : 0.10 minutes ||
## ||
## || Process BAM file lane7023_TAGGCATG_TCTCTCCG_cDNA190917_A6_627F_d42_L00 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 3078388 ||
## || Successfully assigned alignments : 2596511 (84.3%) ||
## || Running time : 0.17 minutes ||
## ||
## || Process BAM file lane7023_TCCTGAGC_AAGGAGTA_cDNA190917_D4_627F_d42_L00 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 161803 ||
## || Successfully assigned alignments : 128817 (79.6%) ||
## || Running time : 0.02 minutes ||
## ||
## || Process BAM file lane7023_TCCTGAGC_ACTGCATA_cDNA190917_E4_627F_d42_L00 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 1783593 ||
## || Successfully assigned alignments : 1559170 (87.4%) ||
## || Running time : 0.11 minutes ||
## ||
## || Process BAM file lane7023_TCCTGAGC_CGTCTAAT_cDNA190917_B4_627F_d42_L00 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 380972 ||
## || Successfully assigned alignments : 294465 (77.3%) ||
## || Running time : 0.03 minutes ||
## ||
## || Process BAM file lane7023_TCCTGAGC_CTAAGCCT_cDNA190917_C4_627F_d42_L00 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 317740 ||
## || Successfully assigned alignments : 213054 (67.1%) ||
## || Running time : 0.02 minutes ||
## ||
## || Process BAM file lane7023_TCCTGAGC_CTCTCTAT_cDNA190917_H4_627F_d42_L00 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 415 ||
## || Successfully assigned alignments : 251 (60.5%) ||
## || Running time : 0.00 minutes ||
## ||
## || Process BAM file lane7023_TCCTGAGC_GTAAGGAG_cDNA190917_F4_627F_d42_L00 ... ||
## || Paired-end reads are included. ||

```

```

## || Total alignments : 389860 ||
## || Successfully assigned alignments : 318630 (81.7%) ||
## || Running time : 0.03 minutes ||
## ||
## || Process BAM file lane7023_TCCTGAGC_TATCCTCT_cDNA190917_G4_627F_d42_L00 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 2179527 ||
## || Successfully assigned alignments : 1912119 (87.7%) ||
## || Running time : 0.13 minutes ||
## ||
## || Process BAM file lane7023_TCCTGAGC_TCTCTCCG_cDNA190917_A4_627F_d42_L00 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 1444002 ||
## || Successfully assigned alignments : 1154413 (79.9%) ||
## || Running time : 0.09 minutes ||
## ||
## || Process BAM file lane7035_AAGAGGCA_AAGGAGTA_cDNA190919_D9_568R_d42_L00 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 1092363 ||
## || Successfully assigned alignments : 901930 (82.6%) ||
## || Running time : 0.07 minutes ||
## ||
## || Process BAM file lane7035_AAGAGGCA_ACTGCATA_cDNA190919_E9_568R_d42_L00 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 972779 ||
## || Successfully assigned alignments : 824219 (84.7%) ||
## || Running time : 0.06 minutes ||
## ||
## || Process BAM file lane7035_AAGAGGCA_CGTCTAAT_cDNA190919_B9_568R_d42_L00 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 2479120 ||
## || Successfully assigned alignments : 2060472 (83.1%) ||
## || Running time : 0.14 minutes ||
## ||
## || Process BAM file lane7035_AAGAGGCA_CTAAGCCT_cDNA190919_C9_568R_d42_L00 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 1029209 ||
## || Successfully assigned alignments : 834185 (81.1%) ||
## || Running time : 0.06 minutes ||
## ||
## || Process BAM file lane7035_AAGAGGCA_CTCTCTAT_cDNA190919_H9_568R_d42_L00 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 1666800 ||
## || Successfully assigned alignments : 1389480 (83.4%) ||
## || Running time : 0.10 minutes ||
## ||
## || Process BAM file lane7035_AAGAGGCA_GTAAGGAG_cDNA190919_F9_568R_d42_L00 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 1652888 ||
## || Successfully assigned alignments : 1335544 (80.8%) ||
## || Running time : 0.10 minutes ||
## ||
## || Process BAM file lane7035_AAGAGGCA_TATCCTCT_cDNA190919_G9_568R_d42_L00 ... ||
## || Paired-end reads are included. ||

```

```

## || Total alignments : 1707506 ||
## || Successfully assigned alignments : 1431737 (83.8%) ||
## || Running time : 0.10 minutes ||
## ||
## || Process BAM file lane7035_AAGAGGCA_TCTCTCCG_cDNA190919_A9_568R_d42_L00 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 352782 ||
## || Successfully assigned alignments : 275797 (78.2%) ||
## || Running time : 0.02 minutes ||
## ||
## || Process BAM file lane7035_AGGCAGAA_AAGGAGTA_cDNA190919_D3_536G_d42_L00 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 655020 ||
## || Successfully assigned alignments : 550653 (84.1%) ||
## || Running time : 0.04 minutes ||
## ||
## || Process BAM file lane7035_AGGCAGAA_ACTGCATA_cDNA190919_E3_536G_d42_L00 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 4 ||
## || Successfully assigned alignments : 2 (50.0%) ||
## || Running time : 0.00 minutes ||
## ||
## || Process BAM file lane7035_AGGCAGAA_CGTCTAAT_cDNA190919_B3_536G_d42_L00 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 1101408 ||
## || Successfully assigned alignments : 931178 (84.5%) ||
## || Running time : 0.06 minutes ||
## ||
## || Process BAM file lane7035_AGGCAGAA_CTAAGCCT_cDNA190919_C3_536G_d42_L00 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 528406 ||
## || Successfully assigned alignments : 412900 (78.1%) ||
## || Running time : 0.04 minutes ||
## ||
## || Process BAM file lane7035_AGGCAGAA_CTCTCTAT_cDNA190919_H3_536G_d42_L00 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 514819 ||
## || Successfully assigned alignments : 411216 (79.9%) ||
## || Running time : 0.03 minutes ||
## ||
## || Process BAM file lane7035_AGGCAGAA_GTAAGGAG_cDNA190919_F3_536G_d42_L00 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 997480 ||
## || Successfully assigned alignments : 843390 (84.6%) ||
## || Running time : 0.06 minutes ||
## ||
## || Process BAM file lane7035_AGGCAGAA_TATCCTCT_cDNA190919_G3_536G_d42_L00 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 712706 ||
## || Successfully assigned alignments : 615785 (86.4%) ||
## || Running time : 0.04 minutes ||
## ||
## || Process BAM file lane7035_AGGCAGAA_TCTCTCCG_cDNA190919_A3_536G_d42_L00 ... ||
## || Paired-end reads are included. ||

```



```

## || Total alignments : 538470 ||
## || Successfully assigned alignments : 452779 (84.1%) ||
## || Running time : 0.03 minutes ||
## ||
## || Process BAM file lane7035_ATCTCAGG_AAGGAGTA_cDNA190919_D12_568R_d42_L0 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 965580 ||
## || Successfully assigned alignments : 663438 (68.7%) ||
## || Running time : 0.05 minutes ||
## ||
## || Process BAM file lane7035_ATCTCAGG_ACTGCATA_cDNA190919_E12_568R_d42_L0 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 928185 ||
## || Successfully assigned alignments : 692442 (74.6%) ||
## || Running time : 0.06 minutes ||
## ||
## || Process BAM file lane7035_ATCTCAGG_CGTCTAAT_cDNA190919_B12_568R_d42_L0 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 1904705 ||
## || Successfully assigned alignments : 1537130 (80.7%) ||
## || Running time : 0.10 minutes ||
## ||
## || Process BAM file lane7035_ATCTCAGG_CTAAGCCT_cDNA190919_C12_568R_d42_L0 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 3054220 ||
## || Successfully assigned alignments : 2356162 (77.1%) ||
## || Running time : 0.17 minutes ||
## ||
## || Process BAM file lane7035_ATCTCAGG_CTCTCTAT_cDNA190919_H12_568R_d42_L0 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 1539041 ||
## || Successfully assigned alignments : 1295709 (84.2%) ||
## || Running time : 0.09 minutes ||
## ||
## || Process BAM file lane7035_ATCTCAGG_GTAAGGAG_cDNA190919_F12_568R_d42_L0 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 2186668 ||
## || Successfully assigned alignments : 1763513 (80.6%) ||
## || Running time : 0.13 minutes ||
## ||
## || Process BAM file lane7035_ATCTCAGG_TATCCTCT_cDNA190919_G12_568R_d42_L0 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 3726430 ||
## || Successfully assigned alignments : 3080304 (82.7%) ||
## || Running time : 0.20 minutes ||
## ||
## || Process BAM file lane7035_ATCTCAGG_TCTCTCCG_cDNA190919_A12_568R_d42_L0 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 2758793 ||
## || Successfully assigned alignments : 2283789 (82.8%) ||
## || Running time : 0.16 minutes ||
## ||
## || Process BAM file lane7035_CGAGGCTG_AAGGAGTA_cDNA190919_D8_568R_d0_L001 ... ||
## || Paired-end reads are included. ||

```

```

## || Total alignments : 740608 ||
## || Successfully assigned alignments : 617621 (83.4%) ||
## || Running time : 0.05 minutes ||
## ||
## || Process BAM file lane7035_CGAGGCTG_ACTGCATA_cDNA190919_E8_568R_d0_L001 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 1013051 ||
## || Successfully assigned alignments : 855015 (84.4%) ||
## || Running time : 0.06 minutes ||
## ||
## || Process BAM file lane7035_CGAGGCTG_CGTCTAAT_cDNA190919_B8_568R_d0_L001 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 989235 ||
## || Successfully assigned alignments : 811707 (82.1%) ||
## || Running time : 0.06 minutes ||
## ||
## || Process BAM file lane7035_CGAGGCTG_CTAAGCCT_cDNA190919_C8_568R_d0_L001 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 999539 ||
## || Successfully assigned alignments : 835444 (83.6%) ||
## || Running time : 0.06 minutes ||
## ||
## || Process BAM file lane7035_CGAGGCTG_CTCTCTAT_cDNA190919_H8_568R_d0_L001 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 1371912 ||
## || Successfully assigned alignments : 1159128 (84.5%) ||
## || Running time : 0.08 minutes ||
## ||
## || Process BAM file lane7035_CGAGGCTG_GTAAGGAG_cDNA190919_F8_568R_d0_L001 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 877710 ||
## || Successfully assigned alignments : 739445 (84.2%) ||
## || Running time : 0.06 minutes ||
## ||
## || Process BAM file lane7035_CGAGGCTG_TATCCTCT_cDNA190919_G8_568R_d0_L001 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 1148654 ||
## || Successfully assigned alignments : 980744 (85.4%) ||
## || Running time : 0.07 minutes ||
## ||
## || Process BAM file lane7035_CGAGGCTG_TCTCTCCG_cDNA190919_A8_568R_d0_L001 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 1968304 ||
## || Successfully assigned alignments : 1697056 (86.2%) ||
## || Running time : 0.12 minutes ||
## ||
## || Process BAM file lane7035_CGTACTAG_AAGGAGTA_cDNA190919_D2_536G_d0_L001 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 732077 ||
## || Successfully assigned alignments : 595866 (81.4%) ||
## || Running time : 0.05 minutes ||
## ||
## || Process BAM file lane7035_CGTACTAG_ACTGCATA_cDNA190919_E2_536G_d0_L001 ... ||
## || Paired-end reads are included. ||

```

```

## || Total alignments : 294730 ||
## || Successfully assigned alignments : 236167 (80.1%) ||
## || Running time : 0.02 minutes ||
## ||
## || Process BAM file lane7035_CGTACTAG_CGTCTAAT_cDNA190919_B2_536G_d0_L001 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 326570 ||
## || Successfully assigned alignments : 276442 (84.7%) ||
## || Running time : 0.02 minutes ||
## ||
## || Process BAM file lane7035_CGTACTAG_CTAAGCCT_cDNA190919_C2_536G_d0_L001 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 931366 ||
## || Successfully assigned alignments : 740276 (79.5%) ||
## || Running time : 0.06 minutes ||
## ||
## || Process BAM file lane7035_CGTACTAG_CTCTCTAT_cDNA190919_H2_559G_d42_L00 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 731218 ||
## || Successfully assigned alignments : 513091 (70.2%) ||
## || Running time : 0.05 minutes ||
## ||
## || Process BAM file lane7035_CGTACTAG_GTAAGGAG_cDNA190919_F2_559G_d42_L00 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 357255 ||
## || Successfully assigned alignments : 264228 (74.0%) ||
## || Running time : 0.02 minutes ||
## ||
## || Process BAM file lane7035_CGTACTAG_TATCCTCT_cDNA190919_G2_559G_d42_L00 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 129937 ||
## || Successfully assigned alignments : 86967 (66.9%) ||
## || Running time : 0.02 minutes ||
## ||
## || Process BAM file lane7035_CGTACTAG_TCTCTCCG_cDNA190919_A2_536G_d0_L001 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 549105 ||
## || Successfully assigned alignments : 478520 (87.1%) ||
## || Running time : 0.03 minutes ||
## ||
## || Process BAM file lane7035_CTCTCTAC_AAGGAGTA_cDNA190919_D7_568R_d0_L001 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 921852 ||
## || Successfully assigned alignments : 739999 (80.3%) ||
## || Running time : 0.06 minutes ||
## ||
## || Process BAM file lane7035_CTCTCTAC_ACTGCATA_cDNA190919_E7_568R_d0_L001 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 1183232 ||
## || Successfully assigned alignments : 999947 (84.5%) ||
## || Running time : 0.07 minutes ||
## ||
## || Process BAM file lane7035_CTCTCTAC_CGTCTAAT_cDNA190919_B7_568R_d0_L001 ... ||
## || Paired-end reads are included. ||

```

```

## || Total alignments : 1270221 ||
## || Successfully assigned alignments : 1066533 (84.0%) ||
## || Running time : 0.07 minutes ||
## ||
## || Process BAM file lane7035_CTCTCTAC_CTAAGCCT_cDNA190919_C7_568R_d0_L001 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 1368222 ||
## || Successfully assigned alignments : 1115999 (81.6%) ||
## || Running time : 0.08 minutes ||
## ||
## || Process BAM file lane7035_CTCTCTAC_CTCTCTAT_cDNA190919_H7_568R_d0_L001 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 1118638 ||
## || Successfully assigned alignments : 922748 (82.5%) ||
## || Running time : 0.07 minutes ||
## ||
## || Process BAM file lane7035_CTCTCTAC_GTAAGGAG_cDNA190919_F7_568R_d0_L001 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 774812 ||
## || Successfully assigned alignments : 640473 (82.7%) ||
## || Running time : 0.05 minutes ||
## ||
## || Process BAM file lane7035_CTCTCTAC_TATCCTCT_cDNA190919_G7_568R_d0_L001 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 1292677 ||
## || Successfully assigned alignments : 1043442 (80.7%) ||
## || Running time : 0.08 minutes ||
## ||
## || Process BAM file lane7035_CTCTCTAC_TCTCTCCG_cDNA190919_A7_568R_d0_L001 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 894931 ||
## || Successfully assigned alignments : 754643 (84.3%) ||
## || Running time : 0.06 minutes ||
## ||
## || Process BAM file lane7035_GCTCATGA_AAGGAGTA_cDNA190919_D11_568R_d42_L0 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 1251578 ||
## || Successfully assigned alignments : 995614 (79.5%) ||
## || Running time : 0.08 minutes ||
## ||
## || Process BAM file lane7035_GCTCATGA_ACTGCATA_cDNA190919_E11_568R_d42_L0 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 1546680 ||
## || Successfully assigned alignments : 1347109 (87.1%) ||
## || Running time : 0.09 minutes ||
## ||
## || Process BAM file lane7035_GCTCATGA_CGTCTAAT_cDNA190919_B11_568R_d42_L0 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 2060265 ||
## || Successfully assigned alignments : 1552036 (75.3%) ||
## || Running time : 0.12 minutes ||
## ||
## || Process BAM file lane7035_GCTCATGA_CTAAGCCT_cDNA190919_C11_568R_d42_L0 ... ||
## || Paired-end reads are included. ||

```

```

## || Total alignments : 2367982 ||
## || Successfully assigned alignments : 1939048 (81.9%) ||
## || Running time : 0.13 minutes ||
## ||
## || Process BAM file lane7035_GCTCATGA_CTCTCTAT_cDNA190919_H11_568R_d42_L0 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 3525047 ||
## || Successfully assigned alignments : 2981614 (84.6%) ||
## || Running time : 0.20 minutes ||
## ||
## || Process BAM file lane7035_GCTCATGA_GTAAGGAG_cDNA190919_F11_568R_d42_L0 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 1777988 ||
## || Successfully assigned alignments : 1468912 (82.6%) ||
## || Running time : 0.11 minutes ||
## ||
## || Process BAM file lane7035_GCTCATGA_TATCCTCT_cDNA190919_G11_568R_d42_L0 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 1886236 ||
## || Successfully assigned alignments : 1601915 (84.9%) ||
## || Running time : 0.11 minutes ||
## ||
## || Process BAM file lane7035_GCTCATGA_TCTCTCCG_cDNA190919_A11_568R_d42_L0 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 2358107 ||
## || Successfully assigned alignments : 1897795 (80.5%) ||
## || Running time : 0.13 minutes ||
## ||
## || Process BAM file lane7035_GGACTCCT_AAGGAGTA_cDNA190919_D5_536G_d42_L00 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 758748 ||
## || Successfully assigned alignments : 616835 (81.3%) ||
## || Running time : 0.05 minutes ||
## ||
## || Process BAM file lane7035_GGACTCCT_ACTGCATA_cDNA190919_E5_536G_d42_L00 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 731708 ||
## || Successfully assigned alignments : 615646 (84.1%) ||
## || Running time : 0.05 minutes ||
## ||
## || Process BAM file lane7035_GGACTCCT_CGTCTAAT_cDNA190919_B5_536G_d42_L00 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 1120478 ||
## || Successfully assigned alignments : 934397 (83.4%) ||
## || Running time : 0.07 minutes ||
## ||
## || Process BAM file lane7035_GGACTCCT_CTAAGCCT_cDNA190919_C5_536G_d42_L00 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 917259 ||
## || Successfully assigned alignments : 768610 (83.8%) ||
## || Running time : 0.06 minutes ||
## ||
## || Process BAM file lane7035_GGACTCCT_CTCTCTAT_cDNA190919_H5_536G_d42_L00 ... ||
## || Paired-end reads are included. ||

```

```

## || Total alignments : 1380021 ||
## || Successfully assigned alignments : 1160382 (84.1%) ||
## || Running time : 0.08 minutes ||
## ||
## || Process BAM file lane7035_GGACTCCT_GTAAGGAG_cDNA190919_F5_536G_d42_L00 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 778296 ||
## || Successfully assigned alignments : 647592 (83.2%) ||
## || Running time : 0.05 minutes ||
## ||
## || Process BAM file lane7035_GGACTCCT_TATCCTCT_cDNA190919_G5_536G_d42_L00 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 973041 ||
## || Successfully assigned alignments : 735731 (75.6%) ||
## || Running time : 0.06 minutes ||
## ||
## || Process BAM file lane7035_GGACTCCT_TCTCTCCG_cDNA190919_A5_536G_d42_L00 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 981138 ||
## || Successfully assigned alignments : 825895 (84.2%) ||
## || Running time : 0.06 minutes ||
## ||
## || Process BAM file lane7035_GTAGAGGA_AAGGAGTA_cDNA190919_D10_568R_d42_L0 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 755203 ||
## || Successfully assigned alignments : 577308 (76.4%) ||
## || Running time : 0.05 minutes ||
## ||
## || Process BAM file lane7035_GTAGAGGA_ACTGCATA_cDNA190919_E10_568R_d42_L0 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 1500546 ||
## || Successfully assigned alignments : 1246784 (83.1%) ||
## || Running time : 0.09 minutes ||
## ||
## || Process BAM file lane7035_GTAGAGGA_CGTCTAAT_cDNA190919_B10_568R_d42_L0 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 3124161 ||
## || Successfully assigned alignments : 2559151 (81.9%) ||
## || Running time : 0.17 minutes ||
## ||
## || Process BAM file lane7035_GTAGAGGA_CTAAGCCT_cDNA190919_C10_568R_d42_L0 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 1102076 ||
## || Successfully assigned alignments : 896154 (81.3%) ||
## || Running time : 0.07 minutes ||
## ||
## || Process BAM file lane7035_GTAGAGGA_CTCTCTAT_cDNA190919_H10_568R_d42_L0 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 2059092 ||
## || Successfully assigned alignments : 1707284 (82.9%) ||
## || Running time : 0.12 minutes ||
## ||
## || Process BAM file lane7035_GTAGAGGA_GTAAGGAG_cDNA190919_F10_568R_d42_L0 ... ||
## || Paired-end reads are included. ||

```

```

## || Total alignments : 1582674 ||
## || Successfully assigned alignments : 1313950 (83.0%) ||
## || Running time : 0.10 minutes ||
## ||
## || Process BAM file lane7035_GTAGAGGA_TATCCTCT_cDNA190919_G10_568R_d42_L0 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 2679105 ||
## || Successfully assigned alignments : 2295125 (85.7%) ||
## || Running time : 0.15 minutes ||
## ||
## || Process BAM file lane7035_GTAGAGGA_TCTCTCCG_cDNA190919_A10_568R_d42_L0 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 1795511 ||
## || Successfully assigned alignments : 1475478 (82.2%) ||
## || Running time : 0.11 minutes ||
## ||
## || Process BAM file lane7035_TAAGGCGA_AAGGAGTA_cDNA190919_D1_536G_d0_L001 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 659471 ||
## || Successfully assigned alignments : 543313 (82.4%) ||
## || Running time : 0.04 minutes ||
## ||
## || Process BAM file lane7035_TAAGGCGA_ACTGCATA_cDNA190919_E1_536G_d0_L001 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 403095 ||
## || Successfully assigned alignments : 344170 (85.4%) ||
## || Running time : 0.03 minutes ||
## ||
## || Process BAM file lane7035_TAAGGCGA_CGTCTAAT_cDNA190919_B1_536G_d0_L001 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 1302785 ||
## || Successfully assigned alignments : 1110867 (85.3%) ||
## || Running time : 0.08 minutes ||
## ||
## || Process BAM file lane7035_TAAGGCGA_CTAAGCCT_cDNA190919_C1_536G_d0_L001 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 588013 ||
## || Successfully assigned alignments : 447262 (76.1%) ||
## || Running time : 0.04 minutes ||
## ||
## || Process BAM file lane7035_TAAGGCGA_CTCTCTAT_cDNA190919_H1_559G_d42_L00 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 993132 ||
## || Successfully assigned alignments : 697425 (70.2%) ||
## || Running time : 0.06 minutes ||
## ||
## || Process BAM file lane7035_TAAGGCGA_GTAAGGAG_cDNA190919_F1_559G_d42_L00 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 117861 ||
## || Successfully assigned alignments : 81424 (69.1%) ||
## || Running time : 0.01 minutes ||
## ||
## || Process BAM file lane7035_TAAGGCGA_TATCCTCT_cDNA190919_G1_559G_d42_L00 ... ||
## || Paired-end reads are included. ||

```

```

## || Total alignments : 365685 ||
## || Successfully assigned alignments : 261092 (71.4%) ||
## || Running time : 0.03 minutes ||
## ||
## || Process BAM file lane7035_TAAGGCGA_TCTCTCCG_cDNA190919_A1_536G_d0_L001 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 434229 ||
## || Successfully assigned alignments : 370731 (85.4%) ||
## || Running time : 0.03 minutes ||
## ||
## || Process BAM file lane7035_TAGGCATG_AAGGAGTA_cDNA190919_D6_536G_d42_L00 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 988610 ||
## || Successfully assigned alignments : 828134 (83.8%) ||
## || Running time : 0.06 minutes ||
## ||
## || Process BAM file lane7035_TAGGCATG_ACTGCATA_cDNA190919_E6_536G_d42_L00 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 684559 ||
## || Successfully assigned alignments : 571187 (83.4%) ||
## || Running time : 0.04 minutes ||
## ||
## || Process BAM file lane7035_TAGGCATG_CGTCTAAT_cDNA190919_B6_536G_d42_L00 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 1700179 ||
## || Successfully assigned alignments : 1421470 (83.6%) ||
## || Running time : 0.10 minutes ||
## ||
## || Process BAM file lane7035_TAGGCATG_CTAAGCCT_cDNA190919_C6_536G_d42_L00 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 1076119 ||
## || Successfully assigned alignments : 921158 (85.6%) ||
## || Running time : 0.07 minutes ||
## ||
## || Process BAM file lane7035_TAGGCATG_CTCTCTAT_cDNA190919_H6_536G_d42_L00 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 775467 ||
## || Successfully assigned alignments : 632095 (81.5%) ||
## || Running time : 0.05 minutes ||
## ||
## || Process BAM file lane7035_TAGGCATG_GTAAGGAG_cDNA190919_F6_536G_d42_L00 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 363293 ||
## || Successfully assigned alignments : 306321 (84.3%) ||
## || Running time : 0.03 minutes ||
## ||
## || Process BAM file lane7035_TAGGCATG_TATCCTCT_cDNA190919_G6_536G_d42_L00 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 1091256 ||
## || Successfully assigned alignments : 866892 (79.4%) ||
## || Running time : 0.06 minutes ||
## ||
## || Process BAM file lane7035_TAGGCATG_TCTCTCCG_cDNA190919_A6_536G_d42_L00 ... ||
## || Paired-end reads are included. ||

```



```

## || Total alignments : 1626003 ||
## || Successfully assigned alignments : 1383448 (85.1%) ||
## || Running time : 0.09 minutes ||
## ||
## || Process BAM file lane7035_TCCTGAGC_AAGGAGTA_cDNA190919_D4_536G_d42_L00 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 208934 ||
## || Successfully assigned alignments : 177665 (85.0%) ||
## || Running time : 0.02 minutes ||
## ||
## || Process BAM file lane7035_TCCTGAGC_ACTGCATA_cDNA190919_E4_536G_d42_L00 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 654840 ||
## || Successfully assigned alignments : 551101 (84.2%) ||
## || Running time : 0.04 minutes ||
## ||
## || Process BAM file lane7035_TCCTGAGC_CGTCTAAT_cDNA190919_B4_536G_d42_L00 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 909182 ||
## || Successfully assigned alignments : 796917 (87.7%) ||
## || Running time : 0.06 minutes ||
## ||
## || Process BAM file lane7035_TCCTGAGC_CTAAGCCT_cDNA190919_C4_536G_d42_L00 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 594306 ||
## || Successfully assigned alignments : 480607 (80.9%) ||
## || Running time : 0.04 minutes ||
## ||
## || Process BAM file lane7035_TCCTGAGC_CTCTCTAT_cDNA190919_H4_536G_d42_L00 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 127938 ||
## || Successfully assigned alignments : 106404 (83.2%) ||
## || Running time : 0.01 minutes ||
## ||
## || Process BAM file lane7035_TCCTGAGC_GTAAGGAG_cDNA190919_F4_536G_d42_L00 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 630986 ||
## || Successfully assigned alignments : 540170 (85.6%) ||
## || Running time : 0.04 minutes ||
## ||
## || Process BAM file lane7035_TCCTGAGC_TATCCTCT_cDNA190919_G4_536G_d42_L00 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 698969 ||
## || Successfully assigned alignments : 591929 (84.7%) ||
## || Running time : 0.05 minutes ||
## ||
## || Process BAM file lane7035_TCCTGAGC_TCTCTCCG_cDNA190919_A4_536G_d42_L00 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 1079850 ||
## || Successfully assigned alignments : 911262 (84.4%) ||
## || Running time : 0.06 minutes ||
## ||
## || Process BAM file lane7043_AAGAGGCA_AAGGAGTA_cDNA190920_D9_602D_d42_L00 ... ||
## || Paired-end reads are included. ||

```

```

## || Total alignments : 1456390 ||
## || Successfully assigned alignments : 1239553 (85.1%) ||
## || Running time : 0.09 minutes ||
## ||
## || Process BAM file lane7043_AAGAGGCA_ACTGCATA_cDNA190920_E9_602D_d42_L00 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 1055459 ||
## || Successfully assigned alignments : 914237 (86.6%) ||
## || Running time : 0.07 minutes ||
## ||
## || Process BAM file lane7043_AAGAGGCA_CGTCTAAT_cDNA190920_B9_602D_d42_L00 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 2235521 ||
## || Successfully assigned alignments : 1870630 (83.7%) ||
## || Running time : 0.13 minutes ||
## ||
## || Process BAM file lane7043_AAGAGGCA_CTAAGCCT_cDNA190920_C9_602D_d42_L00 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 2015933 ||
## || Successfully assigned alignments : 1642843 (81.5%) ||
## || Running time : 0.12 minutes ||
## ||
## || Process BAM file lane7043_AAGAGGCA_CTCTCTAT_cDNA190920_H9_602D_d42_L00 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 1375876 ||
## || Successfully assigned alignments : 1230781 (89.5%) ||
## || Running time : 0.09 minutes ||
## ||
## || Process BAM file lane7043_AAGAGGCA_GTAAGGAG_cDNA190920_F9_602D_d42_L00 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 994860 ||
## || Successfully assigned alignments : 865417 (87.0%) ||
## || Running time : 0.06 minutes ||
## ||
## || Process BAM file lane7043_AAGAGGCA_TATCCTCT_cDNA190920_G9_602D_d42_L00 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 1562260 ||
## || Successfully assigned alignments : 1211089 (77.5%) ||
## || Running time : 0.09 minutes ||
## ||
## || Process BAM file lane7043_AAGAGGCA_TCTCTCCG_cDNA190920_A9_602D_d42_L00 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 1951117 ||
## || Successfully assigned alignments : 1714611 (87.9%) ||
## || Running time : 0.11 minutes ||
## ||
## || Process BAM file lane7043_AGGCAGAA_AAGGAGTA_cDNA190920_D3_541M_d42_L00 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 660741 ||
## || Successfully assigned alignments : 558720 (84.6%) ||
## || Running time : 0.05 minutes ||
## ||
## || Process BAM file lane7043_AGGCAGAA_ACTGCATA_cDNA190920_E3_541M_d42_L00 ... ||
## || Paired-end reads are included. ||

```

```

## || Total alignments : 484521 ||
## || Successfully assigned alignments : 406513 (83.9%) ||
## || Running time : 0.03 minutes ||
## ||
## || Process BAM file lane7043_AGGCAGAA_CGTCTAAT_cDNA190920_B3_541M_d42_L00 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 1119562 ||
## || Successfully assigned alignments : 946627 (84.6%) ||
## || Running time : 0.07 minutes ||
## ||
## || Process BAM file lane7043_AGGCAGAA_CTAAGCCT_cDNA190920_C3_541M_d42_L00 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 727892 ||
## || Successfully assigned alignments : 624909 (85.9%) ||
## || Running time : 0.05 minutes ||
## ||
## || Process BAM file lane7043_AGGCAGAA_CTCTCTAT_cDNA190920_H3_541M_d42_L00 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 90 ||
## || Successfully assigned alignments : 46 (51.1%) ||
## || Running time : 0.00 minutes ||
## ||
## || Process BAM file lane7043_AGGCAGAA_GTAAGGAG_cDNA190920_F3_541M_d42_L00 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 470637 ||
## || Successfully assigned alignments : 405327 (86.1%) ||
## || Running time : 0.04 minutes ||
## ||
## || Process BAM file lane7043_AGGCAGAA_TATCCTCT_cDNA190920_G3_541M_d42_L00 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 272595 ||
## || Successfully assigned alignments : 209384 (76.8%) ||
## || Running time : 0.02 minutes ||
## ||
## || Process BAM file lane7043_AGGCAGAA_TCTCTCCG_cDNA190920_A3_541M_d42_L00 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 855760 ||
## || Successfully assigned alignments : 719159 (84.0%) ||
## || Running time : 0.05 minutes ||
## ||
## || Process BAM file lane7043_ATCTCAGG_AAGGAGTA_cDNA190920_D12_602D_d42_L0 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 3588571 ||
## || Successfully assigned alignments : 3115366 (86.8%) ||
## || Running time : 0.20 minutes ||
## ||
## || Process BAM file lane7043_ATCTCAGG_ACTGCATA_cDNA190920_E12_602D_d42_L0 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 2441441 ||
## || Successfully assigned alignments : 2103957 (86.2%) ||
## || Running time : 0.14 minutes ||
## ||
## || Process BAM file lane7043_ATCTCAGG_CGTCTAAT_cDNA190920_B12_602D_d42_L0 ... ||
## || Paired-end reads are included. ||

```

```

## || Total alignments : 5240097 ||
## || Successfully assigned alignments : 4537452 (86.6%) ||
## || Running time : 0.28 minutes ||
## ||
## || Process BAM file lane7043_ATCTCAGG_CTAAGCCT_cDNA190920_C12_602D_d42_L0 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 4215403 ||
## || Successfully assigned alignments : 3652487 (86.6%) ||
## || Running time : 0.24 minutes ||
## ||
## || Process BAM file lane7043_ATCTCAGG_CTCTCTAT_cDNA190920_H12_602D_d42_L0 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 2573466 ||
## || Successfully assigned alignments : 2207335 (85.8%) ||
## || Running time : 0.15 minutes ||
## ||
## || Process BAM file lane7043_ATCTCAGG_GTAAGGAG_cDNA190920_F12_602D_d42_L0 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 3116912 ||
## || Successfully assigned alignments : 2622868 (84.1%) ||
## || Running time : 0.18 minutes ||
## ||
## || Process BAM file lane7043_ATCTCAGG_TATCCTCT_cDNA190920_G12_602D_d42_L0 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 3543896 ||
## || Successfully assigned alignments : 3096868 (87.4%) ||
## || Running time : 0.21 minutes ||
## ||
## || Process BAM file lane7043_ATCTCAGG_TCTCTCCG_cDNA190920_A12_602D_d42_L0 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 3453645 ||
## || Successfully assigned alignments : 2998803 (86.8%) ||
## || Running time : 0.19 minutes ||
## ||
## || Process BAM file lane7043_CGAGGCTG_AAGGAGTA_cDNA190920_D8_562K_d0_L001 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 878053 ||
## || Successfully assigned alignments : 690455 (78.6%) ||
## || Running time : 0.05 minutes ||
## ||
## || Process BAM file lane7043_CGAGGCTG_ACTGCATA_cDNA190920_E8_562K_d0_L001 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 784803 ||
## || Successfully assigned alignments : 606901 (77.3%) ||
## || Running time : 0.05 minutes ||
## ||
## || Process BAM file lane7043_CGAGGCTG_CGTCTAAT_cDNA190920_B8_562K_d0_L001 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 997850 ||
## || Successfully assigned alignments : 735023 (73.7%) ||
## || Running time : 0.06 minutes ||
## ||
## || Process BAM file lane7043_CGAGGCTG_CTAAGCCT_cDNA190920_C8_562K_d0_L001 ... ||
## || Paired-end reads are included. ||

```

```

## || Total alignments : 573595 ||
## || Successfully assigned alignments : 407921 (71.1%) ||
## || Running time : 0.04 minutes ||
## ||
## || Process BAM file lane7043_CGAGGCTG_CTCTCTAT_cDNA190920_H8_562K_d0_L001 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 931330 ||
## || Successfully assigned alignments : 717476 (77.0%) ||
## || Running time : 0.06 minutes ||
## ||
## || Process BAM file lane7043_CGAGGCTG_GTAAGGAG_cDNA190920_F8_562K_d0_L001 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 594119 ||
## || Successfully assigned alignments : 443355 (74.6%) ||
## || Running time : 0.04 minutes ||
## ||
## || Process BAM file lane7043_CGAGGCTG_TATCCTCT_cDNA190920_G8_562K_d0_L001 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 776630 ||
## || Successfully assigned alignments : 592481 (76.3%) ||
## || Running time : 0.05 minutes ||
## ||
## || Process BAM file lane7043_CGAGGCTG_TCTCTCCG_cDNA190920_A8_602D_d0_L001 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 1032085 ||
## || Successfully assigned alignments : 886457 (85.9%) ||
## || Running time : 0.06 minutes ||
## ||
## || Process BAM file lane7043_CGTACTAG_AAGGAGTA_cDNA190920_D2_541M_d0_L001 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 582468 ||
## || Successfully assigned alignments : 511612 (87.8%) ||
## || Running time : 0.04 minutes ||
## ||
## || Process BAM file lane7043_CGTACTAG_ACTGCATA_cDNA190920_E2_541M_d0_L001 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 546331 ||
## || Successfully assigned alignments : 447891 (82.0%) ||
## || Running time : 0.04 minutes ||
## ||
## || Process BAM file lane7043_CGTACTAG_CGTCTAAT_cDNA190920_B2_541M_d0_L001 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 1453703 ||
## || Successfully assigned alignments : 1242455 (85.5%) ||
## || Running time : 0.09 minutes ||
## ||
## || Process BAM file lane7043_CGTACTAG_CTAAGCCT_cDNA190920_C2_541M_d0_L001 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 895556 ||
## || Successfully assigned alignments : 759153 (84.8%) ||
## || Running time : 0.06 minutes ||
## ||
## || Process BAM file lane7043_CGTACTAG_CTCTCTAT_cDNA190920_H2_543P_d0_L001 ... ||
## || Paired-end reads are included. ||

```

```

## || Total alignments : 463180 ||
## || Successfully assigned alignments : 351531 (75.9%) ||
## || Running time : 0.03 minutes ||
## ||
## || Process BAM file lane7043_CGTACTAG_GTAAGGAG_cDNA190920_F2_541M_d0_L001 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 472313 ||
## || Successfully assigned alignments : 412702 (87.4%) ||
## || Running time : 0.03 minutes ||
## ||
## || Process BAM file lane7043_CGTACTAG_TATCCTCT_cDNA190920_G2_543P_d0_L001 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 701898 ||
## || Successfully assigned alignments : 496421 (70.7%) ||
## || Running time : 0.05 minutes ||
## ||
## || Process BAM file lane7043_CGTACTAG_TCTCTCCG_cDNA190920_A2_541M_d0_L001 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 860889 ||
## || Successfully assigned alignments : 697975 (81.1%) ||
## || Running time : 0.05 minutes ||
## ||
## || Process BAM file lane7043_CTCTCTAC_AAGGAGTA_cDNA190920_D7_543P_d42_L00 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 955438 ||
## || Successfully assigned alignments : 759894 (79.5%) ||
## || Running time : 0.06 minutes ||
## ||
## || Process BAM file lane7043_CTCTCTAC_ACTGCATA_cDNA190920_E7_543P_d42_L00 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 697527 ||
## || Successfully assigned alignments : 556441 (79.8%) ||
## || Running time : 0.04 minutes ||
## ||
## || Process BAM file lane7043_CTCTCTAC_CGTCTAAT_cDNA190920_B7_543P_d42_L00 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 947079 ||
## || Successfully assigned alignments : 694049 (73.3%) ||
## || Running time : 0.06 minutes ||
## ||
## || Process BAM file lane7043_CTCTCTAC_CTAAGCCT_cDNA190920_C7_543P_d42_L00 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 987692 ||
## || Successfully assigned alignments : 753148 (76.3%) ||
## || Running time : 0.07 minutes ||
## ||
## || Process BAM file lane7043_CTCTCTAC_CTCTCTAT_cDNA190920_H7_543P_d42_L00 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 1161495 ||
## || Successfully assigned alignments : 889988 (76.6%) ||
## || Running time : 0.07 minutes ||
## ||
## || Process BAM file lane7043_CTCTCTAC_GTAAGGAG_cDNA190920_F7_543P_d42_L00 ... ||
## || Paired-end reads are included. ||

```

```

## || Total alignments : 686570 ||
## || Successfully assigned alignments : 547941 (79.8%) ||
## || Running time : 0.05 minutes ||
## ||
## || Process BAM file lane7043_CTCTCTAC_TATCCTCT_cDNA190920_G7_543P_d42_L00 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 850884 ||
## || Successfully assigned alignments : 680622 (80.0%) ||
## || Running time : 0.05 minutes ||
## ||
## || Process BAM file lane7043_CTCTCTAC_TCTCTCCG_cDNA190920_A7_602D_d0_L001 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 42175 ||
## || Successfully assigned alignments : 35887 (85.1%) ||
## || Running time : 0.01 minutes ||
## ||
## || Process BAM file lane7043_GCTCATGA_AAGGAGTA_cDNA190920_D11_602D_d42_L0 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 2835743 ||
## || Successfully assigned alignments : 2413521 (85.1%) ||
## || Running time : 0.16 minutes ||
## ||
## || Process BAM file lane7043_GCTCATGA_ACTGCATA_cDNA190920_E11_602D_d42_L0 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 1886773 ||
## || Successfully assigned alignments : 1624842 (86.1%) ||
## || Running time : 0.11 minutes ||
## ||
## || Process BAM file lane7043_GCTCATGA_CGTCTAAT_cDNA190920_B11_602D_d42_L0 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 4503441 ||
## || Successfully assigned alignments : 3844144 (85.4%) ||
## || Running time : 0.25 minutes ||
## ||
## || Process BAM file lane7043_GCTCATGA_CTAAGCCT_cDNA190920_C11_602D_d42_L0 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 3968992 ||
## || Successfully assigned alignments : 3358820 (84.6%) ||
## || Running time : 0.22 minutes ||
## ||
## || Process BAM file lane7043_GCTCATGA_CTCTCTAT_cDNA190920_H11_602D_d42_L0 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 2454256 ||
## || Successfully assigned alignments : 2126380 (86.6%) ||
## || Running time : 0.14 minutes ||
## ||
## || Process BAM file lane7043_GCTCATGA_GTAAGGAG_cDNA190920_F11_602D_d42_L0 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 1992142 ||
## || Successfully assigned alignments : 1683089 (84.5%) ||
## || Running time : 0.12 minutes ||
## ||
## || Process BAM file lane7043_GCTCATGA_TATCCTCT_cDNA190920_G11_602D_d42_L0 ... ||
## || Paired-end reads are included. ||

```

```

## || Total alignments : 3217139 ||
## || Successfully assigned alignments : 2743319 (85.3%) ||
## || Running time : 0.18 minutes ||
## ||
## || Process BAM file lane7043_GCTCATGA_TCTCTCCG_cDNA190920_A11_602D_d42_L0 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 3171125 ||
## || Successfully assigned alignments : 2775681 (87.5%) ||
## || Running time : 0.18 minutes ||
## ||
## || Process BAM file lane7043_GGACTCCT_AAGGAGTA_cDNA190920_D5_541M_d42_L00 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 788174 ||
## || Successfully assigned alignments : 678787 (86.1%) ||
## || Running time : 0.05 minutes ||
## ||
## || Process BAM file lane7043_GGACTCCT_ACTGCATA_cDNA190920_E5_541M_d42_L00 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 346900 ||
## || Successfully assigned alignments : 279224 (80.5%) ||
## || Running time : 0.03 minutes ||
## ||
## || Process BAM file lane7043_GGACTCCT_CGTCTAAT_cDNA190920_B5_541M_d42_L00 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 1175345 ||
## || Successfully assigned alignments : 1002439 (85.3%) ||
## || Running time : 0.07 minutes ||
## ||
## || Process BAM file lane7043_GGACTCCT_CTAAGCCT_cDNA190920_C5_541M_d42_L00 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 692578 ||
## || Successfully assigned alignments : 589209 (85.1%) ||
## || Running time : 0.04 minutes ||
## ||
## || Process BAM file lane7043_GGACTCCT_CTCTCTAT_cDNA190920_H5_541M_d42_L00 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 409653 ||
## || Successfully assigned alignments : 334748 (81.7%) ||
## || Running time : 0.03 minutes ||
## ||
## || Process BAM file lane7043_GGACTCCT_GTAAGGAG_cDNA190920_F5_541M_d42_L00 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 516127 ||
## || Successfully assigned alignments : 445908 (86.4%) ||
## || Running time : 0.04 minutes ||
## ||
## || Process BAM file lane7043_GGACTCCT_TATCCTCT_cDNA190920_G5_541M_d42_L00 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 575233 ||
## || Successfully assigned alignments : 463335 (80.5%) ||
## || Running time : 0.04 minutes ||
## ||
## || Process BAM file lane7043_GGACTCCT_TCTCTCCG_cDNA190920_A5_541M_d42_L00 ... ||
## || Paired-end reads are included. ||

```



```

## || Total alignments : 986238 ||
## || Successfully assigned alignments : 849505 (86.1%) ||
## || Running time : 0.06 minutes ||
## ||
## || Process BAM file lane7043_GTAGAGGA_AAGGAGTA_cDNA190920_D10_602D_d42_L0 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 2120473 ||
## || Successfully assigned alignments : 1838529 (86.7%) ||
## || Running time : 0.13 minutes ||
## ||
## || Process BAM file lane7043_GTAGAGGA_ACTGCATA_cDNA190920_E10_602D_d42_L0 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 1652863 ||
## || Successfully assigned alignments : 1440928 (87.2%) ||
## || Running time : 0.10 minutes ||
## ||
## || Process BAM file lane7043_GTAGAGGA_CGTCTAAT_cDNA190920_B10_602D_d42_L0 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 4004819 ||
## || Successfully assigned alignments : 3462880 (86.5%) ||
## || Running time : 0.23 minutes ||
## ||
## || Process BAM file lane7043_GTAGAGGA_CTAAGCCT_cDNA190920_C10_602D_d42_L0 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 2574367 ||
## || Successfully assigned alignments : 2201309 (85.5%) ||
## || Running time : 0.15 minutes ||
## ||
## || Process BAM file lane7043_GTAGAGGA_CTCTCTAT_cDNA190920_H10_602D_d42_L0 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 2451715 ||
## || Successfully assigned alignments : 2037317 (83.1%) ||
## || Running time : 0.14 minutes ||
## ||
## || Process BAM file lane7043_GTAGAGGA_GTAAGGAG_cDNA190920_F10_602D_d42_L0 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 1484875 ||
## || Successfully assigned alignments : 1264504 (85.2%) ||
## || Running time : 0.09 minutes ||
## ||
## || Process BAM file lane7043_GTAGAGGA_TATCCTCT_cDNA190920_G10_602D_d42_L0 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 1602997 ||
## || Successfully assigned alignments : 1380693 (86.1%) ||
## || Running time : 0.09 minutes ||
## ||
## || Process BAM file lane7043_GTAGAGGA_TCTCTCCG_cDNA190920_A10_602D_d42_L0 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 2553639 ||
## || Successfully assigned alignments : 2184256 (85.5%) ||
## || Running time : 0.15 minutes ||
## ||
## || Process BAM file lane7043_TAAGGCGA_AAGGAGTA_cDNA190920_D1_541M_d0_L001 ... ||
## || Paired-end reads are included. ||

```

```

## || Total alignments : 574717 ||
## || Successfully assigned alignments : 486569 (84.7%) ||
## || Running time : 0.04 minutes ||
## ||
## || Process BAM file lane7043_TAAGGCGA_ACTGCATA_cDNA190920_E1_541M_d0_L001 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 646941 ||
## || Successfully assigned alignments : 525226 (81.2%) ||
## || Running time : 0.04 minutes ||
## ||
## || Process BAM file lane7043_TAAGGCGA_CGTCTAAT_cDNA190920_B1_541M_d0_L001 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 1206766 ||
## || Successfully assigned alignments : 1020000 (84.5%) ||
## || Running time : 0.07 minutes ||
## ||
## || Process BAM file lane7043_TAAGGCGA_CTAAGCCT_cDNA190920_C1_541M_d0_L001 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 1008192 ||
## || Successfully assigned alignments : 824735 (81.8%) ||
## || Running time : 0.06 minutes ||
## ||
## || Process BAM file lane7043_TAAGGCGA_CTCTCTAT_cDNA190920_H1_543P_d0_L001 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 288673 ||
## || Successfully assigned alignments : 228492 (79.2%) ||
## || Running time : 0.02 minutes ||
## ||
## || Process BAM file lane7043_TAAGGCGA_GTAAGGAG_cDNA190920_F1_543P_d0_L001 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 402666 ||
## || Successfully assigned alignments : 238259 (59.2%) ||
## || Running time : 0.03 minutes ||
## ||
## || Process BAM file lane7043_TAAGGCGA_TATCCTCT_cDNA190920_G1_543P_d0_L001 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 663287 ||
## || Successfully assigned alignments : 513650 (77.4%) ||
## || Running time : 0.04 minutes ||
## ||
## || Process BAM file lane7043_TAAGGCGA_TCTCTCCG_cDNA190920_A1_541M_d0_L001 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 683942 ||
## || Successfully assigned alignments : 587234 (85.9%) ||
## || Running time : 0.04 minutes ||
## ||
## || Process BAM file lane7043_TAGGCATG_AAGGAGTA_cDNA190920_D6_541M_d42_L00 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 498673 ||
## || Successfully assigned alignments : 386687 (77.5%) ||
## || Running time : 0.03 minutes ||
## ||
## || Process BAM file lane7043_TAGGCATG_ACTGCATA_cDNA190920_E6_541M_d42_L00 ... ||
## || Paired-end reads are included. ||

```

```

## || Total alignments : 555339 ||
## || Successfully assigned alignments : 437223 (78.7%) ||
## || Running time : 0.04 minutes ||
## ||
## || Process BAM file lane7043_TAGGCATG_CGTCTAAT_cDNA190920_B6_541M_d42_L00 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 952682 ||
## || Successfully assigned alignments : 798966 (83.9%) ||
## || Running time : 0.06 minutes ||
## ||
## || Process BAM file lane7043_TAGGCATG_CTAAGCCT_cDNA190920_C6_541M_d42_L00 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 520438 ||
## || Successfully assigned alignments : 440343 (84.6%) ||
## || Running time : 0.04 minutes ||
## ||
## || Process BAM file lane7043_TAGGCATG_CTCTCTAT_cDNA190920_H6_541M_d42_L00 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 388131 ||
## || Successfully assigned alignments : 303084 (78.1%) ||
## || Running time : 0.03 minutes ||
## ||
## || Process BAM file lane7043_TAGGCATG_GTAAGGAG_cDNA190920_F6_541M_d42_L00 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 329862 ||
## || Successfully assigned alignments : 255638 (77.5%) ||
## || Running time : 0.03 minutes ||
## ||
## || Process BAM file lane7043_TAGGCATG_TATCCTCT_cDNA190920_G6_541M_d42_L00 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 68965 ||
## || Successfully assigned alignments : 55764 (80.9%) ||
## || Running time : 0.01 minutes ||
## ||
## || Process BAM file lane7043_TAGGCATG_TCTCTCCG_cDNA190920_A6_541M_d42_L00 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 952124 ||
## || Successfully assigned alignments : 807586 (84.8%) ||
## || Running time : 0.06 minutes ||
## ||
## || Process BAM file lane7043_TCCTGAGC_AAGGAGTA_cDNA190920_D4_541M_d42_L00 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 252406 ||
## || Successfully assigned alignments : 211838 (83.9%) ||
## || Running time : 0.02 minutes ||
## ||
## || Process BAM file lane7043_TCCTGAGC_ACTGCATA_cDNA190920_E4_541M_d42_L00 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 340015 ||
## || Successfully assigned alignments : 266050 (78.2%) ||
## || Running time : 0.03 minutes ||
## ||
## || Process BAM file lane7043_TCCTGAGC_CGTCTAAT_cDNA190920_B4_541M_d42_L00 ... ||
## || Paired-end reads are included. ||

```

```

## || Total alignments : 847150 ||
## || Successfully assigned alignments : 735026 (86.8%) ||
## || Running time : 0.05 minutes ||
## ||
## || Process BAM file lane7043_TCCTGAGC_CTAAGCCT_cDNA190920_C4_541M_d42_L00 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 358579 ||
## || Successfully assigned alignments : 303283 (84.6%) ||
## || Running time : 0.03 minutes ||
## ||
## || Process BAM file lane7043_TCCTGAGC_CTCTCTAT_cDNA190920_H4_541M_d42_L00 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 145267 ||
## || Successfully assigned alignments : 118015 (81.2%) ||
## || Running time : 0.01 minutes ||
## ||
## || Process BAM file lane7043_TCCTGAGC_GTAAGGAG_cDNA190920_F4_541M_d42_L00 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 634908 ||
## || Successfully assigned alignments : 540473 (85.1%) ||
## || Running time : 0.04 minutes ||
## ||
## || Process BAM file lane7043_TCCTGAGC_TATCCTCT_cDNA190920_G4_541M_d42_L00 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 607459 ||
## || Successfully assigned alignments : 502259 (82.7%) ||
## || Running time : 0.04 minutes ||
## ||
## || Process BAM file lane7043_TCCTGAGC_TCTCTCCG_cDNA190920_A4_541M_d42_L00 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 765329 ||
## || Successfully assigned alignments : 653218 (85.4%) ||
## || Running time : 0.05 minutes ||
## ||
## || Process BAM file lane7048_AAGAGGCA_AAGGAGTA_cDNA190921_D9_660R_d42_L00 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 944850 ||
## || Successfully assigned alignments : 751741 (79.6%) ||
## || Running time : 0.06 minutes ||
## ||
## || Process BAM file lane7048_AAGAGGCA_ACTGCATA_cDNA190921_E9_660R_d42_L00 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 1137122 ||
## || Successfully assigned alignments : 956548 (84.1%) ||
## || Running time : 0.07 minutes ||
## ||
## || Process BAM file lane7048_AAGAGGCA_CGTCTAAT_cDNA190921_B9_660R_d42_L00 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 2246669 ||
## || Successfully assigned alignments : 1822544 (81.1%) ||
## || Running time : 0.13 minutes ||
## ||
## || Process BAM file lane7048_AAGAGGCA_CTAAGCCT_cDNA190921_C9_660R_d42_L00 ... ||
## || Paired-end reads are included. ||

```

```

## || Total alignments : 1154663 ||
## || Successfully assigned alignments : 932864 (80.8%) ||
## || Running time : 0.07 minutes ||
## ||
## || Process BAM file lane7048_AAGAGGCA_CTCTCTAT_cDNA190921_H9_660R_d42_L00 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 1162858 ||
## || Successfully assigned alignments : 869022 (74.7%) ||
## || Running time : 0.07 minutes ||
## ||
## || Process BAM file lane7048_AAGAGGCA_GTAAGGAG_cDNA190921_F9_660R_d42_L00 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 990756 ||
## || Successfully assigned alignments : 781614 (78.9%) ||
## || Running time : 0.06 minutes ||
## ||
## || Process BAM file lane7048_AAGAGGCA_TATCCTCT_cDNA190921_G9_660R_d42_L00 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 1395221 ||
## || Successfully assigned alignments : 1146487 (82.2%) ||
## || Running time : 0.08 minutes ||
## ||
## || Process BAM file lane7048_AAGAGGCA_TCTCTCCG_cDNA190921_A9_660R_d42_L00 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 840602 ||
## || Successfully assigned alignments : 633622 (75.4%) ||
## || Running time : 0.05 minutes ||
## ||
## || Process BAM file lane7048_AGGCAGAA_AAGGAGTA_cDNA190921_D3_637R_d42_L00 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 464251 ||
## || Successfully assigned alignments : 372276 (80.2%) ||
## || Running time : 0.03 minutes ||
## ||
## || Process BAM file lane7048_AGGCAGAA_ACTGCATA_cDNA190921_E3_637R_d42_L00 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 455261 ||
## || Successfully assigned alignments : 378014 (83.0%) ||
## || Running time : 0.03 minutes ||
## ||
## || Process BAM file lane7048_AGGCAGAA_CGTCTAAT_cDNA190921_B3_637R_d42_L00 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 679324 ||
## || Successfully assigned alignments : 502646 (74.0%) ||
## || Running time : 0.04 minutes ||
## ||
## || Process BAM file lane7048_AGGCAGAA_CTAAGCCT_cDNA190921_C3_637R_d42_L00 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 677581 ||
## || Successfully assigned alignments : 576072 (85.0%) ||
## || Running time : 0.04 minutes ||
## ||
## || Process BAM file lane7048_AGGCAGAA_CTCTCTAT_cDNA190921_H3_637R_d42_L00 ... ||
## || Paired-end reads are included. ||

```

```

## || Total alignments : 497459 ||
## || Successfully assigned alignments : 399081 (80.2%) ||
## || Running time : 0.03 minutes ||
## ||
## || Process BAM file lane7048_AGGCAGAA_GTAAGGAG_cDNA190921_F3_637R_d42_L00 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 415741 ||
## || Successfully assigned alignments : 331714 (79.8%) ||
## || Running time : 0.03 minutes ||
## ||
## || Process BAM file lane7048_AGGCAGAA_TATCCTCT_cDNA190921_G3_637R_d42_L00 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 564298 ||
## || Successfully assigned alignments : 470499 (83.4%) ||
## || Running time : 0.04 minutes ||
## ||
## || Process BAM file lane7048_AGGCAGAA_TCTCTCCG_cDNA190921_A3_637R_d42_L00 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 827942 ||
## || Successfully assigned alignments : 665543 (80.4%) ||
## || Running time : 0.05 minutes ||
## ||
## || Process BAM file lane7048_ATCTCAGG_AAGGAGTA_cDNA190921_D12_660R_d42_L0 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 2654358 ||
## || Successfully assigned alignments : 1837017 (69.2%) ||
## || Running time : 0.14 minutes ||
## ||
## || Process BAM file lane7048_ATCTCAGG_ACTGCATA_cDNA190921_E12_660R_d42_L0 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 2268510 ||
## || Successfully assigned alignments : 1752297 (77.2%) ||
## || Running time : 0.13 minutes ||
## ||
## || Process BAM file lane7048_ATCTCAGG_CGTCTAAT_cDNA190921_B12_660R_d42_L0 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 4970314 ||
## || Successfully assigned alignments : 4158710 (83.7%) ||
## || Running time : 0.27 minutes ||
## ||
## || Process BAM file lane7048_ATCTCAGG_CTAAGCCT_cDNA190921_C12_660R_d42_L0 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 4060273 ||
## || Successfully assigned alignments : 3471525 (85.5%) ||
## || Running time : 0.23 minutes ||
## ||
## || Process BAM file lane7048_ATCTCAGG_CTCTCTAT_cDNA190921_H12_660R_d42_L0 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 3182115 ||
## || Successfully assigned alignments : 2636079 (82.8%) ||
## || Running time : 0.18 minutes ||
## ||
## || Process BAM file lane7048_ATCTCAGG_GTAAGGAG_cDNA190921_F12_660R_d42_L0 ... ||
## || Paired-end reads are included. ||

```

```

## || Total alignments : 2095865 ||
## || Successfully assigned alignments : 1614454 (77.0%) ||
## || Running time : 0.12 minutes ||
## ||
## || Process BAM file lane7048_ATCTCAGG_TATCTCT_cDNA190921_G12_660R_d42_L0 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 2826557 ||
## || Successfully assigned alignments : 2003696 (70.9%) ||
## || Running time : 0.16 minutes ||
## ||
## || Process BAM file lane7048_ATCTCAGG_TCTCTCCG_cDNA190921_A12_660R_d42_L0 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 4260876 ||
## || Successfully assigned alignments : 3509095 (82.4%) ||
## || Running time : 0.24 minutes ||
## ||
## || Process BAM file lane7048_CGAGGCTG_AAGGAGTA_cDNA190921_D8_660R_d0_L001 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 458568 ||
## || Successfully assigned alignments : 376194 (82.0%) ||
## || Running time : 0.03 minutes ||
## ||
## || Process BAM file lane7048_CGAGGCTG_ACTGCATA_cDNA190921_E8_660R_d0_L001 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 25 ||
## || Successfully assigned alignments : 1 (4.0%) ||
## || Running time : 0.00 minutes ||
## ||
## || Process BAM file lane7048_CGAGGCTG_CGTCTAAT_cDNA190921_B8_660R_d0_L001 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 984033 ||
## || Successfully assigned alignments : 812516 (82.6%) ||
## || Running time : 0.06 minutes ||
## ||
## || Process BAM file lane7048_CGAGGCTG_CTAAGCCT_cDNA190921_C8_660R_d0_L001 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 790757 ||
## || Successfully assigned alignments : 604542 (76.5%) ||
## || Running time : 0.05 minutes ||
## ||
## || Process BAM file lane7048_CGAGGCTG_CTCTCTAT_cDNA190921_H8_637R_d0_L001 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 1149798 ||
## || Successfully assigned alignments : 912738 (79.4%) ||
## || Running time : 0.07 minutes ||
## ||
## || Process BAM file lane7048_CGAGGCTG_GTAAGGAG_cDNA190921_F8_637R_d0_L001 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 581369 ||
## || Successfully assigned alignments : 468134 (80.5%) ||
## || Running time : 0.04 minutes ||
## ||
## || Process BAM file lane7048_CGAGGCTG_TATCTCT_cDNA190921_G8_637R_d0_L001 ... ||
## || Paired-end reads are included. ||

```

```

## || Total alignments : 872206 ||
## || Successfully assigned alignments : 687399 (78.8%) ||
## || Running time : 0.05 minutes ||
## ||
## || Process BAM file lane7048_CGAGGCTG_TCTCTCCG_cDNA190921_A8_660R_d0_L001 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 1192620 ||
## || Successfully assigned alignments : 975051 (81.8%) ||
## || Running time : 0.07 minutes ||
## ||
## || Process BAM file lane7048_CGTACTAG_AAGGAGTA_cDNA190921_D2_543P_d42_L00 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 447259 ||
## || Successfully assigned alignments : 356842 (79.8%) ||
## || Running time : 0.03 minutes ||
## ||
## || Process BAM file lane7048_CGTACTAG_ACTGCATA_cDNA190921_E2_543P_d42_L00 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 317482 ||
## || Successfully assigned alignments : 245408 (77.3%) ||
## || Running time : 0.02 minutes ||
## ||
## || Process BAM file lane7048_CGTACTAG_CGTCTAAT_cDNA190921_B2_543P_d42_L00 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 689322 ||
## || Successfully assigned alignments : 542280 (78.7%) ||
## || Running time : 0.04 minutes ||
## ||
## || Process BAM file lane7048_CGTACTAG_CTAAGCCT_cDNA190921_C2_543P_d42_L00 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 517800 ||
## || Successfully assigned alignments : 370804 (71.6%) ||
## || Running time : 0.03 minutes ||
## ||
## || Process BAM file lane7048_CGTACTAG_CTCTCTAT_cDNA190921_H2_543P_d42_L00 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 631762 ||
## || Successfully assigned alignments : 472612 (74.8%) ||
## || Running time : 0.04 minutes ||
## ||
## || Process BAM file lane7048_CGTACTAG_GTAAGGAG_cDNA190921_F2_543P_d42_L00 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 364837 ||
## || Successfully assigned alignments : 297895 (81.7%) ||
## || Running time : 0.03 minutes ||
## ||
## || Process BAM file lane7048_CGTACTAG_TATCCTCT_cDNA190921_G2_543P_d42_L00 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 713441 ||
## || Successfully assigned alignments : 545100 (76.4%) ||
## || Running time : 0.04 minutes ||
## ||
## || Process BAM file lane7048_CGTACTAG_TCTCTCCG_cDNA190921_A2_543P_d42_L00 ... ||
## || Paired-end reads are included. ||

```



```

## || Total alignments : 506493 ||
## || Successfully assigned alignments : 406743 (80.3%) ||
## || Running time : 0.03 minutes ||
## ||
## || Process BAM file lane7048_CTCTCTAC_AAGGAGTA_cDNA190921_D7_660R_d0_L001 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 973516 ||
## || Successfully assigned alignments : 818138 (84.0%) ||
## || Running time : 0.06 minutes ||
## ||
## || Process BAM file lane7048_CTCTCTAC_ACTGCATA_cDNA190921_E7_660R_d0_L001 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 887662 ||
## || Successfully assigned alignments : 741630 (83.5%) ||
## || Running time : 0.06 minutes ||
## ||
## || Process BAM file lane7048_CTCTCTAC_CGTCTAAT_cDNA190921_B7_660R_d0_L001 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 1208207 ||
## || Successfully assigned alignments : 925115 (76.6%) ||
## || Running time : 0.07 minutes ||
## ||
## || Process BAM file lane7048_CTCTCTAC_CTAAGCCT_cDNA190921_C7_660R_d0_L001 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 579472 ||
## || Successfully assigned alignments : 467734 (80.7%) ||
## || Running time : 0.04 minutes ||
## ||
## || Process BAM file lane7048_CTCTCTAC_CTCTCTAT_cDNA190921_H7_637R_d0_L001 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 1042634 ||
## || Successfully assigned alignments : 821223 (78.8%) ||
## || Running time : 0.06 minutes ||
## ||
## || Process BAM file lane7048_CTCTCTAC_GTAAGGAG_cDNA190921_F7_637R_d0_L001 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 491339 ||
## || Successfully assigned alignments : 400935 (81.6%) ||
## || Running time : 0.03 minutes ||
## ||
## || Process BAM file lane7048_CTCTCTAC_TATCCTCT_cDNA190921_G7_637R_d0_L001 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 977173 ||
## || Successfully assigned alignments : 811544 (83.1%) ||
## || Running time : 0.06 minutes ||
## ||
## || Process BAM file lane7048_CTCTCTAC_TCTCTCCG_cDNA190921_A7_660R_d0_L001 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 281054 ||
## || Successfully assigned alignments : 211988 (75.4%) ||
## || Running time : 0.02 minutes ||
## ||
## || Process BAM file lane7048_GCTCATGA_AAGGAGTA_cDNA190921_D11_660R_d42_L0 ... ||
## || Paired-end reads are included. ||

```

```

## || Total alignments : 1980761 ||
## || Successfully assigned alignments : 1359070 (68.6%) ||
## || Running time : 0.11 minutes ||
## ||
## || Process BAM file lane7048_GCTCATGA_ACTGCATA_cDNA190921_E11_660R_d42_L0 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 1402226 ||
## || Successfully assigned alignments : 1149008 (81.9%) ||
## || Running time : 0.09 minutes ||
## ||
## || Process BAM file lane7048_GCTCATGA_CGTCTAAT_cDNA190921_B11_660R_d42_L0 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 4123423 ||
## || Successfully assigned alignments : 3415457 (82.8%) ||
## || Running time : 0.23 minutes ||
## ||
## || Process BAM file lane7048_GCTCATGA_CTAAGCCT_cDNA190921_C11_660R_d42_L0 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 4406060 ||
## || Successfully assigned alignments : 3584407 (81.4%) ||
## || Running time : 0.25 minutes ||
## ||
## || Process BAM file lane7048_GCTCATGA_CTCTCTAT_cDNA190921_H11_660R_d42_L0 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 2374765 ||
## || Successfully assigned alignments : 1922595 (81.0%) ||
## || Running time : 0.13 minutes ||
## ||
## || Process BAM file lane7048_GCTCATGA_GTAAGGAG_cDNA190921_F11_660R_d42_L0 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 1194961 ||
## || Successfully assigned alignments : 940130 (78.7%) ||
## || Running time : 0.07 minutes ||
## ||
## || Process BAM file lane7048_GCTCATGA_TATCCTCT_cDNA190921_G11_660R_d42_L0 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 1700378 ||
## || Successfully assigned alignments : 1311018 (77.1%) ||
## || Running time : 0.10 minutes ||
## ||
## || Process BAM file lane7048_GCTCATGA_TCTCTCCG_cDNA190921_A11_660R_d42_L0 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 1471012 ||
## || Successfully assigned alignments : 1184568 (80.5%) ||
## || Running time : 0.08 minutes ||
## ||
## || Process BAM file lane7048_GGACTCCT_AAGGAGTA_cDNA190921_D5_637R_d42_L00 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 547485 ||
## || Successfully assigned alignments : 458183 (83.7%) ||
## || Running time : 0.04 minutes ||
## ||
## || Process BAM file lane7048_GGACTCCT_ACTGCATA_cDNA190921_E5_637R_d42_L00 ... ||
## || Paired-end reads are included. ||

```

```

## || Total alignments : 537388 ||
## || Successfully assigned alignments : 443192 (82.5%) ||
## || Running time : 0.03 minutes ||
## ||
## || Process BAM file lane7048_GGACTCCT_CGTCTAAT_cDNA190921_B5_637R_d42_L00 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 635484 ||
## || Successfully assigned alignments : 525751 (82.7%) ||
## || Running time : 0.04 minutes ||
## ||
## || Process BAM file lane7048_GGACTCCT_CTAAGCCT_cDNA190921_C5_637R_d42_L00 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 674242 ||
## || Successfully assigned alignments : 572200 (84.9%) ||
## || Running time : 0.04 minutes ||
## ||
## || Process BAM file lane7048_GGACTCCT_CTCTCTAT_cDNA190921_H5_637R_d42_L00 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 859870 ||
## || Successfully assigned alignments : 692283 (80.5%) ||
## || Running time : 0.05 minutes ||
## ||
## || Process BAM file lane7048_GGACTCCT_GTAAGGAG_cDNA190921_F5_637R_d42_L00 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 485868 ||
## || Successfully assigned alignments : 402325 (82.8%) ||
## || Running time : 0.04 minutes ||
## ||
## || Process BAM file lane7048_GGACTCCT_TATCCTCT_cDNA190921_G5_637R_d42_L00 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 899794 ||
## || Successfully assigned alignments : 757413 (84.2%) ||
## || Running time : 0.06 minutes ||
## ||
## || Process BAM file lane7048_GGACTCCT_TCTCTCCG_cDNA190921_A5_637R_d42_L00 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 754349 ||
## || Successfully assigned alignments : 602195 (79.8%) ||
## || Running time : 0.05 minutes ||
## ||
## || Process BAM file lane7048_GTAGAGGA_AAGGAGTA_cDNA190921_D10_660R_d42_L0 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 1321028 ||
## || Successfully assigned alignments : 1111751 (84.2%) ||
## || Running time : 0.08 minutes ||
## ||
## || Process BAM file lane7048_GTAGAGGA_ACTGCATA_cDNA190921_E10_660R_d42_L0 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 1390221 ||
## || Successfully assigned alignments : 1177123 (84.7%) ||
## || Running time : 0.08 minutes ||
## ||
## || Process BAM file lane7048_GTAGAGGA_CGTCTAAT_cDNA190921_B10_660R_d42_L0 ... ||
## || Paired-end reads are included. ||

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```

## || Total alignments : 2527937 ||
## || Successfully assigned alignments : 2011839 (79.6%) ||
## || Running time : 0.14 minutes ||
## ||
## || Process BAM file lane7048_GTAGAGGA_CTAAGCCT_cDNA190921_C10_660R_d42_L0 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 1474762 ||
## || Successfully assigned alignments : 1214322 (82.3%) ||
## || Running time : 0.08 minutes ||
## ||
## || Process BAM file lane7048_GTAGAGGA_CTCTCTAT_cDNA190921_H10_660R_d42_L0 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 1877788 ||
## || Successfully assigned alignments : 1554223 (82.8%) ||
## || Running time : 0.11 minutes ||
## ||
## || Process BAM file lane7048_GTAGAGGA_GTAAGGAG_cDNA190921_F10_660R_d42_L0 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 1053493 ||
## || Successfully assigned alignments : 741339 (70.4%) ||
## || Running time : 0.06 minutes ||
## ||
## || Process BAM file lane7048_GTAGAGGA_TATCCTCT_cDNA190921_G10_660R_d42_L0 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 986277 ||
## || Successfully assigned alignments : 778746 (79.0%) ||
## || Running time : 0.06 minutes ||
## ||
## || Process BAM file lane7048_GTAGAGGA_TCTCTCCG_cDNA190921_A10_660R_d42_L0 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 2324178 ||
## || Successfully assigned alignments : 1977353 (85.1%) ||
## || Running time : 0.13 minutes ||
## ||
## || Process BAM file lane7048_TAAGGCGA_AAGGAGTA_cDNA190921_D1_562K_d42_L00 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 419929 ||
## || Successfully assigned alignments : 322393 (76.8%) ||
## || Running time : 0.03 minutes ||
## ||
## || Process BAM file lane7048_TAAGGCGA_ACTGCATA_cDNA190921_E1_543P_d42_L00 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 438278 ||
## || Successfully assigned alignments : 349488 (79.7%) ||
## || Running time : 0.03 minutes ||
## ||
## || Process BAM file lane7048_TAAGGCGA_CGTCTAAT_cDNA190921_B1_562K_d42_L00 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 626651 ||
## || Successfully assigned alignments : 499166 (79.7%) ||
## || Running time : 0.04 minutes ||
## ||
## || Process BAM file lane7048_TAAGGCGA_CTAAGCCT_cDNA190921_C1_562K_d42_L00 ... ||
## || Paired-end reads are included. ||

```

```

## || Total alignments : 539104 ||
## || Successfully assigned alignments : 415338 (77.0%) ||
## || Running time : 0.04 minutes ||
## ||
## || Process BAM file lane7048_TAAGGCGA_CTCTCTAT_cDNA190921_H1_543P_d42_L00 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 501431 ||
## || Successfully assigned alignments : 392208 (78.2%) ||
## || Running time : 0.03 minutes ||
## ||
## || Process BAM file lane7048_TAAGGCGA_GTAAGGAG_cDNA190921_F1_543P_d42_L00 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 473648 ||
## || Successfully assigned alignments : 354795 (74.9%) ||
## || Running time : 0.03 minutes ||
## ||
## || Process BAM file lane7048_TAAGGCGA_TATCCTCT_cDNA190921_G1_543P_d42_L00 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 544721 ||
## || Successfully assigned alignments : 410864 (75.4%) ||
## || Running time : 0.04 minutes ||
## ||
## || Process BAM file lane7048_TAAGGCGA_TCTCTCCG_cDNA190921_A1_562K_d42_L00 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 465006 ||
## || Successfully assigned alignments : 359045 (77.2%) ||
## || Running time : 0.03 minutes ||
## ||
## || Process BAM file lane7048_TAGGCATG_AAGGAGTA_cDNA190921_D6_637R_d42_L00 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 858866 ||
## || Successfully assigned alignments : 712021 (82.9%) ||
## || Running time : 0.06 minutes ||
## ||
## || Process BAM file lane7048_TAGGCATG_ACTGCATA_cDNA190921_E6_637R_d42_L00 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 668974 ||
## || Successfully assigned alignments : 544630 (81.4%) ||
## || Running time : 0.04 minutes ||
## ||
## || Process BAM file lane7048_TAGGCATG_CGTCTAAT_cDNA190921_B6_637R_d42_L00 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 956999 ||
## || Successfully assigned alignments : 769723 (80.4%) ||
## || Running time : 0.06 minutes ||
## ||
## || Process BAM file lane7048_TAGGCATG_CTAAGCCT_cDNA190921_C6_637R_d42_L00 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 841210 ||
## || Successfully assigned alignments : 684778 (81.4%) ||
## || Running time : 0.05 minutes ||
## ||
## || Process BAM file lane7048_TAGGCATG_CTCTCTAT_cDNA190921_H6_637R_d42_L00 ... ||
## || Paired-end reads are included. ||

```

```

## || Total alignments : 818157 ||
## || Successfully assigned alignments : 655259 (80.1%) ||
## || Running time : 0.05 minutes ||
## ||
## || Process BAM file lane7048_TAGGCATG_GTAAGGAG_cDNA190921_F6_637R_d42_L00 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 519148 ||
## || Successfully assigned alignments : 432042 (83.2%) ||
## || Running time : 0.04 minutes ||
## ||
## || Process BAM file lane7048_TAGGCATG_TATCCTCT_cDNA190921_G6_637R_d42_L00 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 776686 ||
## || Successfully assigned alignments : 624182 (80.4%) ||
## || Running time : 0.05 minutes ||
## ||
## || Process BAM file lane7048_TAGGCATG_TCTCTCCG_cDNA190921_A6_637R_d42_L00 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 1084848 ||
## || Successfully assigned alignments : 903954 (83.3%) ||
## || Running time : 0.07 minutes ||
## ||
## || Process BAM file lane7048_TCCTGAGC_AAGGAGTA_cDNA190921_D4_637R_d42_L00 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 237081 ||
## || Successfully assigned alignments : 192949 (81.4%) ||
## || Running time : 0.02 minutes ||
## ||
## || Process BAM file lane7048_TCCTGAGC_ACTGCATA_cDNA190921_E4_637R_d42_L00 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 556811 ||
## || Successfully assigned alignments : 448653 (80.6%) ||
## || Running time : 0.04 minutes ||
## ||
## || Process BAM file lane7048_TCCTGAGC_CGTCTAAT_cDNA190921_B4_637R_d42_L00 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 519936 ||
## || Successfully assigned alignments : 422317 (81.2%) ||
## || Running time : 0.03 minutes ||
## ||
## || Process BAM file lane7048_TCCTGAGC_CTAAGCCT_cDNA190921_C4_637R_d42_L00 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 480874 ||
## || Successfully assigned alignments : 412476 (85.8%) ||
## || Running time : 0.03 minutes ||
## ||
## || Process BAM file lane7048_TCCTGAGC_CTCTCTAT_cDNA190921_H4_637R_d42_L00 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 542037 ||
## || Successfully assigned alignments : 432962 (79.9%) ||
## || Running time : 0.04 minutes ||
## ||
## || Process BAM file lane7048_TCCTGAGC_GTAAGGAG_cDNA190921_F4_637R_d42_L00 ... ||
## || Paired-end reads are included. ||

```

```
## || Total alignments : 487174 ||
## || Successfully assigned alignments : 437085 (89.7%) ||
## || Running time : 0.03 minutes ||
## ||
## || Process BAM file lane7048_TCCTGAGC_TATCTCT_cDNA190921_G4_637R_d42_L00 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 589990 ||
## || Successfully assigned alignments : 480118 (81.4%) ||
## || Running time : 0.04 minutes ||
## ||
## || Process BAM file lane7048_TCCTGAGC_TCTCTCCG_cDNA190921_A4_637R_d42_L00 ... ||
## || Paired-end reads are included. ||
## || Total alignments : 503888 ||
## || Successfully assigned alignments : 412943 (82.0%) ||
## || Running time : 0.04 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_GB.UTF-8 LC_NUMERIC=C
## [3] LC_TIME=en_GB.UTF-8 LC_COLLATE=en_GB.UTF-8
## [5] LC_MONETARY=en_GB.UTF-8 LC_MESSAGES=en_GB.UTF-8
## [7] LC_PAPER=en_GB.UTF-8 LC_NAME=C
## [9] LC_ADDRESS=C LC_TELEPHONE=C
## [11] LC_MEASUREMENT=en_GB.UTF-8 LC_IDENTIFICATION=C
##
## attached base packages:
## [1] stats graphics grDevices utils datasets methods base
##
## other attached packages:
## [1] Rsubread_2.0.0
##
## loaded via a namespace (and not attached):
## [1] compiler_3.6.1 magrittr_1.5 formatR_1.7 tools_3.6.1
## [5] htmltools_0.4.0 yaml_2.2.0 Rcpp_1.0.3 stringi_1.4.3
## [9] rmarkdown_2.0 knitr_1.26 stringr_1.4.0 xfun_0.11
## [13] digest_0.6.23 rlang_0.4.10 evaluate_0.14
```