# [Tutorial] Human Genome Annotation

## 1. Introduction

## 1.1. What is gene annotation?

Over the past years, we have learnt that there are a number of chromosomes and genes in our genome. Counting the number of chromosomes is fairly easy but students might find difficult to say how many genes we have in our genome. If you can get an answer for this, could you tell how many genes encode protein and how many do not? To answer this question, we need to access the database for gene annotation. Gene annotation is the process of making nucleotide sequence meaningful - where genes are located? whether it is protein-coding or noncoding. If you would like to get an overview of gene annotation, please find this link. One of well-known collaborative efforts in gene annotation is the GENCODE consortium. It is a part of the Encyclopedia of DNA Elements (The ENCODE project consortium) and aims to identify all gene features in the human genome using a combination of computational analysis, manual annotation, and experimental validation (Harrow et al. 2012). You might find another database for gene annotation, like RefSeq, CCDS, and need to understand differences between them.

In this tutorial, we will access to gene annotation from the GENCODE consortium and explore genes and functional elements in our genome.

#### 1.2. Aims

What we will do with this dataset:

- Be familiar with gene annotation modality.
- Tidy data and create a table for your analysis.
- Apply tidyverse functions for data munging.

Please note that there is better solution for getting gene annotation in R if you use a biomart. Our tutorial is only designed to have a practice on tidyverse exercise.

## 2. Explore your data

#### 2.1. Unboxing your dataset

This tutorial will use a gene annotation file from the GENCODE. You will need to download the file from the GENCODE. If you are using terminal, please download file using wget:

```
# Run from your terminal, not R console
# wget ftp://ftp.ebi.ac.uk/pub/databases/gencode/Gencode_human/release_31/gencode.v31.basic.annotation.
# Once you downloaded the file, you won't need to download it again. So please comment out the command
```

Once you download the file, you can print out the first few lines using the following bash command (we will learn UNIX commands later):

```
# Run from your terminal, not R console
# gzcat gencode.v31.basic.annotation.gtf.gz | head -7
```

The file is the GFT file format, which you will find most commonly in gene annotation. Please read the file format thoroughly in the link above. For the tutorial, we need to load two packages. If the package is not installed in your system, please install it.

- tidyverse, a package you have learnt from the chapter 5.
- readr, a package provides a fast and friendly way to read. Since the file gencode.v31.basic.annotation.gtf.gz is pretty large, you will need some function to load data quickly into your workspace. readr in a part of tidyverse, so you can just load tidyverse to use readr functions.

Let's load the GTF file into your workspace. We will use read\_delim function from the readr package. This is much faster loading than read.delim or read.csv from R base. However, please keep in mind that some parameters and output class for read\_delim are slightly different from them.

```
library(tidyverse)
## -- Attaching packages ------ 1.3.1 --
## v ggplot2 3.3.5
                  v purrr
                          0.3.4
## v tibble 3.1.5
                  v dplyr
                          1.0.7
## v tidyr
          1.1.4
                  v stringr 1.4.0
## v readr
          2.0.2
                  v forcats 0.5.1
                                     ----- tidyverse_conflicts() --
## -- Conflicts -----
## x dplyr::filter() masks stats::filter()
## x dplyr::lag()
                masks stats::lag()
d = read_delim('/Users/choeseunghwan/Documents/GitHub/bsms222_105_choi/assignment/gencode.v31.basic.am
            delim='\t', skip = 5, progress = F,
            col names = F)
## Rows: 1756502 Columns: 9
## Delimiter: "\t"
## chr (7): X1, X2, X3, X6, X7, X8, X9
## dbl (2): X4, X5
```

Can you find out what the parameters mean? Few things to note are:

## i Use 'spec()' to retrieve the full column specification for this data.

## i Specify the column types or set 'show\_col\_types = FALSE' to quiet this message.

• The GTF file contains the first few lines for comments (#). In general, the file contains description, provider, date, format.

• The GTF file does not have column names so you will need to assign 'FALSE for col names.

This is sort of canonical way to load your dataset into R. However, we are using a GTF format, which is specific to gene annotation so we can use a package to specifically handle a GTF file. Here I introduce the package rtracklayer. Let's install the package first.

Then, now you can read the GTF file using this package. Then, you can check the class of the object d.

```
d <- rtracklayer::import('gencode.v31.basic.annotation.gtf')
class(d)

## [1] "GRanges"
## attr(,"package")</pre>
```

You will find out that this is GRanges class. This is from the package Genomic Range, specifically dealing with genomic datasets but we are not heading into this in this tutorial. So please find this information if you are serious on this.

We are converting d into a data frame as following:

## [1] "GenomicRanges"

```
d <- d%>%as.data.frame()
```

Let's overview few lines from the data frame, and explore what you get in this object.

#### head(d)

```
##
                      end width strand source
     seqnames start
                                                      type score phase
## 1
         chr1 11869 14409
                           2541
                                      + HAVANA
                                                      gene
                                                              NA
                                                                    NA
## 2
                           2541
                                                              NA
                                                                    NA
         chr1 11869 14409
                                      + HAVANA transcript
## 3
         chr1 11869 12227
                             359
                                      + HAVANA
                                                      exon
                                                              NA
                                                                    NA
## 4
         chr1 12613 12721
                             109
                                      + HAVANA
                                                      exon
                                                              NΑ
                                                                    NΑ
## 5
         chr1 13221 14409
                           1189
                                      + HAVANA
                                                              NA
                                                                    NA
                                                      exon
## 6
         chr1 12010 13670
                           1661
                                      + HAVANA transcript
                                                              NA
                                                                    NA
##
               gene_id
                                                 gene_type gene_name level
## 1 ENSG00000223972.5 transcribed_unprocessed_pseudogene
                                                              DDX11L1
## 2 ENSG00000223972.5 transcribed_unprocessed_pseudogene
                                                                          2
                                                              DDX11L1
## 3 ENSG00000223972.5 transcribed_unprocessed_pseudogene
                                                              DDX11L1
                                                                          2
                                                                          2
## 4 ENSG00000223972.5 transcribed_unprocessed_pseudogene
                                                              DDX11L1
## 5 ENSG00000223972.5 transcribed_unprocessed_pseudogene
                                                              DDX11L1
                                                                          2
                                                                          2
## 6 ENSG00000223972.5 transcribed_unprocessed_pseudogene
                                                              DDX11L1
##
        hgnc_id
                         havana_gene
                                          transcript_id
## 1 HGNC:37102 OTTHUMG0000000961.2
## 2 HGNC:37102 OTTHUMG0000000961.2 ENST00000456328.2
## 3 HGNC:37102 OTTHUMG0000000961.2 ENST00000456328.2
## 4 HGNC:37102 OTTHUMG0000000961.2 ENST00000456328.2
## 5 HGNC:37102 OTTHUMG0000000961.2 ENST00000456328.2
```

```
## 6 HGNC:37102 OTTHUMG0000000961.2 ENST00000450305.2
##
                         transcript_type transcript_name transcript_support_level
## 1
                                     <NA>
                                                      <NA>
## 2
                                   lncRNA
                                              DDX11L1-202
                                                                                   1
## 3
                                   lncRNA
                                              DDX11L1-202
                                                                                   1
## 4
                                              DDX11L1-202
                                  lncRNA
                                                                                   1
                                  lncRNA
                                              DDX11L1-202
                                                                                   1
## 6 transcribed_unprocessed_pseudogene
                                              DDX11L1-201
                                                                                  NA
##
       tag
              havana_transcript exon_number
                                                         exon_id
                                                                         ont.
      <NA>
## 1
                            <NA>
                                         <NA>
                                                            <NA>
                                                                         <NA>
## 2 basic OTTHUMT00000362751.1
                                         <NA>
                                                            <NA>
                                                                         <NA>
## 3 basic OTTHUMT00000362751.1
                                            1 ENSE00002234944.1
                                                                         <NA>
## 4 basic OTTHUMT00000362751.1
                                            2 ENSE00003582793.1
                                                                         <NA>
## 5 basic OTTHUMT00000362751.1
                                            3 ENSE00002312635.1
                                                                         <NA>
## 6 basic OTTHUMT00000002844.2
                                         <NA>
                                                            <NA> PGO:0000019
     protein_id ccdsid
## 1
           <NA>
                   <NA>
## 2
           <NA>
                   <NA>
## 3
           <NA>
                   <NA>
## 4
           <NA>
                   <NA>
## 5
           <NA>
                   <NA>
## 6
           <NA>
                   <NA>
```

One thing you can find is that there is no columns in the data frame. Let's match which information is provided in columns. You can find the instruction page in the website (link).

Based on this, you can assign a name for 9 columns. One thing to remember is you should not use space for the column name. Spacing in the column name is actually working but not a good habit for your code. So please replace a space with underscore in the column name.

```
# Assign column names according to the GENCODE instruction.
cols = c('chrom', 'source', 'feature_type', 'start', 'end', 'score', 'strand', 'phase', 'info')
```

Now you can set up the column names into the column parameter, and load the file into a data frame.

```
## indexing gencode.v31.basic.annotation.gtf [------] 113.34GB/s, eta: Osindexing gencode.v31
## Rows: 1756502 Columns: 9

## -- Column specification -------
## Delimiter: "\t"
## chr (7): chrom, source, feature_type, score, strand, phase, info
## dbl (2): start, end

##
## i Use 'spec()' to retrieve the full column specification for this data.
## is Specify the column types or set 'show_col_types = FALSE' to quiet this message.
```

You can find the column names are now all set.

#### head(d)

```
## # A tibble: 6 x 9
     chrom source feature_type start
                                      end score strand phase info
                              <dbl> <dbl> <chr> <chr> <chr> <chr>
##
     <chr> <chr> <chr>
## 1 chr1 HAVANA gene
                              11869 14409 .
                                                              "gene_id \"ENSG00000~
                                                +
          HAVANA transcript
## 2 chr1
                             11869 14409 .
                                                              "gene_id \"ENSG00000~
## 3 chr1
          HAVANA exon
                              11869 12227 .
                                                              "gene_id \"ENSG00000~
## 4 chr1 HAVANA exon
                                                              "gene_id \"ENSG00000~
                              12613 12721 .
## 5 chr1 HAVANA exon
                              13221 14409 .
                                                              "gene_id \"ENSG00000~
## 6 chr1 HAVANA transcript 12010 13670 .
                                                              "gene_id \"ENSG00000~
```

When you loaded the file, you see the message about the data class. You might want to overview this data.

#### summary(d)

```
##
                                            feature_type
       chrom
                           source
                                                                    start
##
    Length: 1756502
                        Length: 1756502
                                            Length: 1756502
                                                                               577
                                                                       :
    Class : character
                                            Class : character
                                                                1st Qu.: 32101517
##
                        Class :character
   Mode : character
                        Mode :character
                                            Mode :character
                                                                Median: 61732754
##
                                                                Mean
                                                                        : 75288563
##
                                                                3rd Qu.:111760181
##
                                                                Max.
                                                                       :248936581
##
                                                strand
         end
                            score
                                                                    phase
##
    Min.
           :
                  647
                         Length: 1756502
                                             Length: 1756502
                                                                 Length: 1756502
    1st Qu.: 32107331
                         Class : character
                                                                 Class : character
##
                                             Class : character
##
   Median : 61738373
                         Mode :character
                                             Mode :character
                                                                 Mode :character
    Mean
          : 75292632
    3rd Qu.:111763007
##
##
    Max.
           :248937043
##
        info
##
   Length: 1756502
    Class : character
##
##
   Mode : character
##
##
##
```

#### 2.2 How many feature types in the GENCODE dataset?

As instructed in the GENCODE website, the GENCODE dataset provides a range of annotations for the feature type. You can check feature types using group\_by() and count() function.

```
d%>%group_by(feature_type)%>%
count()
```

```
## # A tibble: 8 x 2
## # Groups: feature_type [8]
## feature_type n
```

```
##
     <chr>
                      <int>
## 1 CDS
                     567862
## 2 exon
                     744835
                      60603
## 3 gene
## 4 Selenocysteine
                         96
## 5 start codon
                      57886
## 6 stop codon
                      57775
## 7 transcript
                     108243
## 8 UTR
                     159202
```

How many feature types provided in the GENCODE? And how many items stored for each feature type? Please write down the number of feature types from the dataset. Also, if you are not familiar with these types, it would be good to put one or two sentences that can describe each type).

```
#There are 8 types.

#CDS: coding sequence

#Selenocysteine: amino acid encoded by UGA codon which is actually stop codon.

#UTR: untranslated region
```

## 2.3. How many genes we have?

Let's count the number of genes in our genome. Since we know that the column feature\_type contains rows with gene, which contains obviously annotations for genes. We might want to subset those rows from the data frame.

```
d1 <- filter(d, feature_type=="gene")
# d1 = d[d$feature_type == 'gene', ]
nrow(d1)
## [1] 60603</pre>
```

```
2.4. Ensembl, Havana and CCDS.
```

#60603 genes

Gene annotation for the human genome is provided by multiple organizations with different gene annotation methods and strategy. This means that information can be varying by resources, and users need to understand heterogeniety inherent in annotation databases.

The GENCODE project utilizes two sources of gene annotation.

- 1. Havana: Manual gene annotation
- 2. Ensembl: Automatic gene annotation

It provides the combination of Ensembl/HAVANA gene set as the default gene annotation for the human genome. In addition, they also guarantee that all transcripts from the Consensus Coding Sequence (CCDS) set are present in the GENCODE gene set. The CCDS project is a collaborative effort to identify a core set of protein coding regions that are consistently annotated and of high quality. Initial results from the Consensus CDS (CCDS) project are now available through the appropriate Ensembl gene pages and from the CCDS project page at NCBI. The CCDS set is built by consensus among Ensembl, the National Center for Biotechnology Information (NCBI), and the HUGO Gene Nomenclature Committee (HGNC) for human.

Right. Then now we count how many genes annotated with HAVANA and ENSEMBL.

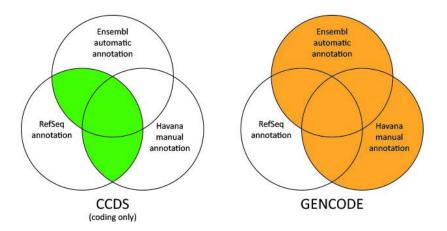


Figure 1: Figure 2. Comparison of CCDS and Gencode

```
d1 %>% group_by(source)%>%count()
```

```
## # A tibble: 2 x 2
## # Groups: source [2]
## source n
## <chr> <int>
## 1 ENSEMBL 7609
## 2 HAVANA 52994
```

#### 2.5 do.call

Since the last column info contains a long string for multiple annotations, we will need to split it to extract each annotation. For example, the first line for transcript annotation looks like this:

```
d[2, 9] %>%
    as.character()
```

## [1] "gene\_id \"ENSG00000223972.5\"; transcript\_id \"ENST00000456328.2\"; gene\_type \"transcribed\_unp

```
# chr1 HAVANA transcript 11869 14409 . + . gene_id
# 'ENSG00000223972.5'; transcript_id 'ENST00000456328.2'; gene_type
# 'transcribed_unprocessed_pseudogene'; gene_name 'DDX11L1';
# transcript_type 'lncRNA'; transcript_name 'DDX11L1-202'; level 2;
# transcript_support_level '1'; hgnc_id 'HGNC:37102'; tag 'basic';
# havana_gene 'OTTHUMG00000000961.2'; havana_transcript
# 'OTTHUMT00000362751.1';
```

If you would like to split transcript\_support\_level and create a new column, you can use strsplit function.

```
## [[1]]
## [1] "chr1 HAVANA transcript 11869 14409 . + . gene_id \"ENSG00000223972.5\";
## [2] "1\"; hgnc_id \"HGNC:37102\"; tag \"basic\"; havana_gene \"OTTHUMG00000000961.2\"; havana_transc
```

After split the string, you can select the second item in the list ([[1]][2]).

```
strsplit(a, 'transcript_support_level\\s+"')[[1]][2]
```

## [1] "1\"; hgnc\_id \"HGNC:37102\"; tag \"basic\"; havana\_gene \"OTTHUMG00000000961.2\"; havana\_transc

You can find the 1 in the first position, which you will need to split again.

```
b <- strsplit(a, 'transcript_support_level\\s+"')[[1]][2]
strsplit(b,'\\"')</pre>
```

From this, you will get the first item in the list ([[1]][1]). Now you would like to apply strsplit function across vectors. For this, do.call function can be easily implemented to strsplit over the vectors from one column. Let's try this.

```
head(do.call(rbind.data.frame, strsplit(a, 'transcript_support_level\\s+"'))[[2]])
```

## [1] "1\"; hgnc\_id \"HGNC:37102\"; tag \"basic\"; havana\_gene \"OTTHUMG00000000961.2\"; havana\_transc

Now you can write two lines of codes to process two steps we discussed above.

```
# First filter transcripts and create a data frame.
d2 <- d %>% filter(feature_type == 'transcript')

# Now apply the functions.
d2$transcript_support_level <- as.character(do.call(rbind.data.frame, strsplit(d2$info, 'transcript_support_level)
d2$transcript_support_level <- as.character(do.call(rbind.data.frame, strsplit(d2$transcript_support_level)</pre>
```

Now you can check the strsplit works.

```
head(d2$transcript_support_level)
```

```
## [1] "1" "NA" "NA" "NA" "5" "5"
```

You can use the same method to extract other annotations, like gene\_id, gene\_name etc.

## 3. Exercises

Here I list the questions for your activity. Please note that it is an exercise for tidyverse functions, which you will need to use in your code. In addition, you will need to write an one-line code for each question using pipe %>%.

For questions, you should read some information thoroughly, including:

- Gene biotype.
- 0 or 1 based annotation in GTF, BED format
- Why some features have 1 bp length?
- What is the meaning of zero-length exons in GENCODE? Also fun to have a review for microexons
- Transcript support level (TSL)

## [1] "ENSG00000109339.22"

#### 3.1. Annotation of transcripts in our genome

1. Computes the number of transcripts per gene. What is the mean number of transcripts per gene? What is the quantile (25%, 50%, 75%) for these numbers? Which gene has the greatest number of transcript?

```
d <- rtracklayer::import('gencode.v31.basic.annotation.gtf') %>%as.data.frame()
# number of transcripts per gene
geneid<-d%>%filter(type=="transcript")%>%group_by(gene_id)%>%count(gene_id)
head(geneid)
## # A tibble: 6 x 2
## # Groups: gene_id [6]
##
    gene id
     <chr>>
##
                        <int.>
## 1 ENSG0000000003.14
## 2 ENSG00000000005.6
## 3 ENSG0000000419.12
## 4 ENSG0000000457.14
                            3
## 5 ENSG0000000460.17
                            5
## 6 ENSG0000000938.13
# mean number of transcripts per gene
mean(geneid$n)
## [1] 1.7861
#quantile (25%, 50%, 75%) for these numbers
quantile(geneidn,c(0.25,0.5,0.75))
## 25% 50% 75%
    1
         1
# gene which has greatest number of transcript
geneid$gene_id[which.max(geneid$n)]
```

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2. Compute the number of transcripts per gene among gene biotypes. For example, compare the number of transcript per gene between protein-coding genes, long noncoding genes, pseudogenes.

```
# number of transcripts per gene among gene biotypes
d%>%filter(type=="transcript")%>%group_by(gene_type,gene_id)%>%count()%>%
group_by(gene_type)%>%summarize(number_of_transcript_per_gene=mean(n))%>%
filter(gene_type%in%c("protein_coding","lncRNA","pseudogene"))
```

3. Final task is to compute the number of transcripts per gene per chromosome.

```
d%>%filter(type=="transcript")%>%group_by(seqnames,gene_id)%>%count()%>%
    group_by(seqnames)%>%summarize(number_of_transcript_per_chromosome=mean(n))
```

```
## # A tibble: 25 x 2
##
      seqnames number_of_transcript_per_chromosome
##
                                                <dbl>
##
                                                1.80
   1 chr1
                                                1.77
##
    2 chr2
##
   3 chr3
                                                1.93
##
   4 chr4
                                                1.76
##
    5 chr5
                                                1.74
##
    6 chr6
                                                1.78
##
   7 chr7
                                                1.76
##
   8 chr8
                                                1.75
## 9 chr9
                                                1.70
## 10 chr10
                                                1.78
## # ... with 15 more rows
```

## 3.2. Gene length in the GENCODE

1. What is the average length of human genes?

```
d%>%filter(type=="gene")%>%pull(width)%>%mean()%>%round()
```

## [1] 32629

#### #32629bp

2. Is the distribution of gene length differed by autosomal and sex chromosomes? Please calculate the quantiles (0%, 25%, 50%, 75%, 100%) of the gene length for each group.

```
#average gene length for each chromosome
d%>%filter(type=="gene")%>%group_by(seqnames)%>%summarize(gene_length_average=mean(width))
## # A tibble: 25 x 2
##
      seqnames gene_length_average
##
      <fct>
                             <dbl>
## 1 chr1
                            29804.
## 2 chr2
                            40228.
## 3 chr3
                            46040.
## 4 chr4
                            44331.
## 5 chr5
                            41340.
## 6 chr6
                            35823.
## 7 chr7
                            36265.
## 8 chr8
                            40032.
## 9 chr9
                            32449.
## 10 chr10
                            37473.
## # ... with 15 more rows
\# calculate the quantiles (0%, 25%, 50%, 75%, 100%) of the gene length for autosomal and sex chromosome
d %>% filter(type=="gene")%>%
  mutate(chromosome=case_when(seqnames%in%c("chrX","chrY")~"sex",seqnames=="chrM"~"chrM",TRUE~"autosom
  filter(chromosome %in% c("sex", "autosomal"))%>%
  group_by(chromosome)%>%summarize(quantiles=quantile(width,seq(0,1,0.25)))
## 'summarise()' has grouped output by 'chromosome'. You can override using the '.groups' argument.
## # A tibble: 10 x 2
## # Groups: chromosome [2]
##
      chromosome quantiles
##
      <chr>
                     <dbl>
## 1 autosomal
## 2 autosomal
                      565
## 3 autosomal
                      3779
## 4 autosomal
                     25813
## 5 autosomal
                   2473537
## 6 sex
                        48
                       473
## 7 sex
## 8 sex
                      1912
## 9 sex
                     13502
## 10 sex
                   2241765
  3. Is the distribution of gene length differed by gene biotype? Please calculate the quantiles (0%, 25%,
    50\%, 75\%, 100\%) of the gene length for each group.
d %>% filter(type=="gene")%>%group_by(gene_type)%>%summarize(quantiles=quantile(width,seq(0,1,0.25)))
## 'summarise()' has grouped output by 'gene_type'. You can override using the '.groups' argument.
## # A tibble: 200 x 2
## # Groups: gene_type [40]
##
      gene_type
                      quantiles
```

```
##
      <chr>
                          <dbl>
##
  1 IG_C_gene
                           441
  2 IG_C_gene
                           477.
## 3 IG_C_gene
                          4590.
## 4 IG_C_gene
                          5479.
## 5 IG_C_gene
                          8914
  6 IG_C_pseudogene
                           248
  7 IG_C_pseudogene
##
                           313
## 8 IG_C_pseudogene
                           317
## 9 IG_C_pseudogene
                           734
## 10 IG_C_pseudogene
                          5211
## # ... with 190 more rows
```

## 3.3. Transcript support levels (TSL)

The GENCODE TSL provides a consistent method of evaluating the level of support that a GENCODE transcript annotation is actually expressed in humans.

1. With transcript, how many transcripts are categorized for each TSL?

d%>%filter(type=="transcript" & !is.na(transcript\_support\_level))%>%group\_by(transcript\_support\_level)%

```
## # A tibble: 6 x 2
## # Groups:
               transcript_support_level [6]
     transcript_support_level
##
                                    n
##
     <chr>>
                                <int>
## 1 1
                                31801
## 2 2
                                13372
## 3 3
                                 7228
## 4 4
                                 2245
## 5 5
                                13674
## 6 NA
                                27843
```

2. From the first question, please count the number of transcript for each TSL by gene biotype.

d%>%filter(type=="transcript" & !is.na(transcript\_support\_level))%>%group\_by(gene\_type,transcript\_support\_

```
## # A tibble: 76 x 3
## # Groups:
               gene_type, transcript_support_level [76]
##
                      transcript_support_level
                                                    n
      gene_type
                      <chr>>
                                                 <int>
##
      <chr>
##
   1 IG_C_gene
                      1
                                                     1
  2 IG_C_gene
                      5
                                                     1
## 3 IG_C_gene
                                                     7
                      NA
  4 IG_C_pseudogene NA
                                                     9
## 5 IG_D_gene
                                                    37
  6 IG_J_gene
                                                    18
## 7 IG_J_pseudogene NA
                                                    3
## 8 IG_pseudogene
                                                     1
## 9 IG_V_gene
                      5
                                                     3
## 10 IG_V_gene
                                                   141
## # ... with 66 more rows
```

3. From the first question, please count the number of transcript for each TSL by source.

```
## # A tibble: 12 x 4
## # Groups:
               source [2]
##
      source transcript_support_level
                                            n proportion
##
      <fct>
              <chr>
                                                    <dbl>
                                         <int>
##
   1 HAVANA 1
                                        29434
                                                  0.365
##
    2 HAVANA 2
                                        12052
                                                  0.149
    3 HAVANA 3
                                                  0.0863
##
                                         6964
##
   4 HAVANA 4
                                                  0.0262
                                         2116
##
   5 HAVANA 5
                                        10157
                                                  0.126
    6 HAVANA NA
                                                  0.247
##
                                        19962
##
   7 ENSEMBL 1
                                         2367
                                                  0.153
    8 ENSEMBL 2
##
                                         1320
                                                  0.0853
##
   9 ENSEMBL 3
                                           264
                                                  0.0171
## 10 ENSEMBL 4
                                           129
                                                  0.00833
## 11 ENSEMBL 5
                                          3517
                                                  0.227
## 12 ENSEMBL NA
                                          7881
                                                  0.509
```

#### 3.4 CCDS in the GENCODE

1. With gene, please create a data frame with the columns - gene\_id, gene\_name, hgnc\_id, gene\_type, chromosome, start, end, and strand. Then, please create new columns for presence of hgnc and ccds. For example, you can put 1 in the column isHgnc, if hgnc annotation is avaiable, or 0 if not. Then, you can put 1 in the column isCCDS, if ccds annotation is avaiable, or 0 if not.

```
# I created new data frame called 'newd'
```

newd<- d%>%select(gene\_id,gene\_name,hgnc\_id,ccdsid,gene\_type,seqnames,start,end,strand)%>%mutate(isHgnc
newd

##		gene_id	gene_name	hgnc_id	ccdsid
##	1	ENSG00000223972.5	DDX11L1	HGNC:37102	<na></na>
##	2	ENSG00000223972.5	DDX11L1	HGNC:37102	<na></na>
##	3	ENSG00000223972.5	DDX11L1	HGNC:37102	<na></na>
##	4	ENSG00000223972.5	DDX11L1	HGNC:37102	<na></na>
##	5	ENSG00000223972.5	DDX11L1	HGNC:37102	<na></na>
##	6	ENSG00000223972.5	DDX11L1	HGNC:37102	<na></na>
##	7	ENSG00000223972.5	DDX11L1	HGNC:37102	<na></na>
##	8	ENSG00000223972.5	DDX11L1	HGNC:37102	<na></na>
##	9	ENSG00000223972.5	DDX11L1	HGNC:37102	<na></na>
##	10	ENSG00000223972.5	DDX11L1	HGNC:37102	<na></na>
##	11	ENSG00000223972.5	DDX11L1	HGNC:37102	<na></na>
##	12	ENSG00000223972.5	DDX11L1	HGNC:37102	<na></na>
##	13	ENSG00000227232.5	WASH7P	HGNC:38034	<na></na>
##	14	ENSG00000227232.5	WASH7P	HGNC:38034	<na></na>
##	15	ENSG00000227232.5	WASH7P	HGNC:38034	<na></na>
##	16	ENSG00000227232.5	WASH7P	HGNC:38034	<na></na>
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##	18	ENSG00000227232.5	WASH7D	HGNC:38034	<na></na>
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##	27	ENSG00000278267.1	MIR6859-1	HGNC:50039	<na></na>
##	28	ENSG00000278267.1	MIR6859-1	HGNC:50039	<na></na>
##	29	ENSG00000243485.5	MIR1302-2HG	HGNC:52482	<na></na>
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##	37	ENSG00000284332.1	MIR1302-2	HGNC:35294	<na></na>
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##	40	ENSG00000237613.2	FAM138A	HGNC:32334	<na></na>
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##	45	ENSG00000268020.3	OR4G4P	HGNC:14822	<na></na>
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##	48	ENSG00000240361.2	OR4G11P	HGNC:31276	<na></na>
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##	67	ENSG00000186092.6			CCDS30547.1
##	68	ENSG00000186092.6			CCDS30547.1
##	69	ENSG00000186092.6			CCDS30547.1
	70	ENSG00000186092.6			CCDS30547.1
##	71	ENSG00000186092.6	UK4F5	пынс:14825	CCDS30547.1

##	72	ENSG00000186092.6	OR4F5	HGNC:14825	CCDS30547.1
##	73	ENSG00000186092.6	OR4F5	HGNC:14825	CCDS30547.1
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##	89	ENSG00000233750.3	CICP27	HGNC:48835	<na></na>
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##	95	ENSG00000269981.1	AL627309.7	<na></na>	<na></na>
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ir <del>iT</del>	110	L.I.D.G.O.O.O.O.Z.O.I.O.J.T. 1Z	02012.2	/IVI/	\NN.

##	180	ENSG00000237094.12	AL732372.2	<na></na>	<na></na>
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##	187	ENSG00000284733.1	0R4F29	HGNC:31275	CCDS72675.1
##	188	ENSG00000284733.1	0R4F29	HGNC:31275	CCDS72675.1
##	189	ENSG00000284733.1			CCDS72675.1
##	190	ENSG00000284733.1	0R4F29	HGNC:31275	CCDS72675.1
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##	192	ENSG00000233653.3	CICP7	HGNC:37756	<na></na>
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	224	ENSG00000225972.1		HGNC:42092	<na></na>
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	226	ENSG00000225630.1		HGNC:42129	<na></na>
	<ul><li>227</li><li>228</li></ul>	ENSG00000225630.1 ENSG00000225630.1		HGNC:42129	<na></na>
	229	ENSG00000225650.1 ENSG00000237973.1		HGNC: 42129	<na></na>
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	232	ENSG00000237373.1 ENSG00000278791.1	AC114498.2	<na></na>	<na></na>
	233	ENSG00000278791.1	AC114498.2	<na></na>	<na></na>
и п	200		110111100.2	\NA\	\unv

##	234	ENSG00000278791.1	AC114498.2	<na></na>	<na></na>
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	237	ENSG00000229344.1		HGNC:52028	<na></na>
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##	239	ENSG00000240409.1		HGNC:44571	<na></na>
##	240	ENSG00000240409.1	MTATP8P1	HGNC:44571	<na></na>
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##	3	transcribed_unprocessed_p	_	chr1	11869	12227	+	1
##	4	transcribed_unprocessed_p	seudogene	chr1	12613	12721	+	1
##	5	transcribed_unprocessed_p	seudogene	chr1	13221	14409	+	1
##	6	transcribed_unprocessed_p	seudogene	chr1	12010	13670	+	1
##	7	transcribed_unprocessed_p	seudogene	chr1	12010	12057	+	1
##	8	${\tt transcribed\_unprocessed\_p}$	seudogene	chr1	12179	12227	+	1
##	9	${\tt transcribed\_unprocessed\_p}$	seudogene	chr1	12613	12697	+	1
##	10	${\tt transcribed\_unprocessed\_p}$	_	chr1	12975	13052	+	1
	11	${\tt transcribed\_unprocessed\_p}$	_	chr1		13374	+	1
	12	transcribed_unprocessed_p	_	chr1		13670	+	1
	13	unprocessed_p	_	chr1		29570	_	1
	14	unprocessed_p	_	chr1		29570	-	1
	15	unprocessed_p	•	chr1		29570	-	1
##	16	unprocessed_p	_	chr1		24891	_	1
	17	unprocessed_p	_	chr1		18366	_	1
##	18	unprocessed_p	_	chr1 chr1		18061 17742	_	1
	19 20	unprocessed_p	_	chr1		17742	_	1 1
##	21	unprocessed_p	_	chr1		17055	_	1
	22	unprocessed_p unprocessed_p	_	chr1		16765	_	1
	23	unprocessed_p	•	chr1		15947	_	1
##	24	unprocessed_p	_	chr1		15038	_	1
	25	unprocessed_p	_	chr1		14501	_	1
	26		miRNA	chr1		17436	_	1
	27		miRNA	chr1		17436	_	1
	28		miRNA	chr1		17436	_	1
##	29		lncRNA	chr1	29554	31109	+	1
##	30		lncRNA	chr1	29554	31097	+	1
##	31		${\tt lncRNA}$	chr1	29554	30039	+	1
##	32		${\tt lncRNA}$	chr1	30564	30667	+	1
##			${\tt lncRNA}$	chr1	30976	31097	+	1
	34		${\tt lncRNA}$	chr1		31109	+	1
##			lncRNA	chr1	30267	30667	+	1
##			lncRNA	chr1		31109	+	1
##			miRNA	chr1		30503	+	1
##			miRNA	chr1		30503	+	1
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## ##			${\tt lncRNA}$	chr1 chr1		36081 36081	_	1 1
##			lncRNA	chr1		35481	_	1
##			lncRNA	chr1		35174	_	1
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##		unprocessed_p	_	chr1		53312	+	1
	48	transcribed_unprocessed_p	_	chr1		64116	+	1
	49	transcribed_unprocessed_p	•	chr1		64116	+	1
	50	transcribed_unprocessed_p	_	chr1		57653	+	1
	51	transcribed_unprocessed_p	_	chr1		58856	+	1
	52	transcribed_unprocessed_p	_	chr1		64116	+	1
		_ <del>-</del>	-					

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##		transcribed_unprocessed_pseudogene	chr1	62949	63887	+	1
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##	65	<pre>protein_coding</pre>	chr1	65520	65564	+	1
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##	67	protein_coding	chr1	69055	70108	+	1
##	68	protein_coding	chr1	69055	70108	+	1
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	105	lncRNA	chr1	141474	143011	_	0
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пπ	100	TIICIWA	CIII I	1-10000	110002		U

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                                                           169049
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                                                                    169264
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                                                                                         0
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                                                          168100
                                                                    168165
##
                                                    chr1
##
   111
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                                                    chr1
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                                                                    165942
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## 112
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                                                    chr1
                                                           164263
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## 113
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## 114
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                                                    chr1
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##
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                                                    chr1
                                                           165491
                                                                    169210
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                                                                                         0
##
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                                                           169049
                                                                    169210
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                                                                                         0
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                                                    chr1
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                                                           157784
                                                                    157887
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## 120
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                                                                                         1
                                                    chr1
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                                                                    157887
## 121
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                                                    chr1
                                                                    157887
## 122
                                        lncRNA
                                                    chr1
                                                           160446
                                                                    161525
                                                                                 +
                                                                                         0
## 123
                                                                                         0
                                        lncRNA
                                                    chr1
                                                           160446
                                                                                 +
                                                                    161525
   124
                                        lncRNA
                                                           160446
                                                                    160690
                                                                                         0
                                                    chr1
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                                                          161314
                                                                                         0
##
                                        lncRNA
                                                    chr1
                                                                    161525
                                                                                 +
   126
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                                                    chr1
                                                           182696
                                                                    184174
                                                                                 +
                                                                                         0
##
   127
                      unprocessed_pseudogene
                                                    chr1
                                                           182696
                                                                    184174
                                                                                 +
                                                                                         0
   128
                                                           182696
                                                                    182746
                                                                                         0
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                                                    chr1
## 129
                                                                                         0
                      unprocessed pseudogene
                                                    chr1
                                                          183132
                                                                    183216
                                                                                 +
   130
                                                           183494
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                                                    chr1
                                                                    183571
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                                                          183981
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   133
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## 143
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                                                           185491
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                                                           185217
                                                                                         1
                                                    chr1
                                                                    185350
## 145
                                                           187891
                                                                    187958
                                                                                         1
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                                                    chr1
## 146
                                                                                         1
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                                                          187891
                                                                    187958
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                                                           187891
                                                                    187958
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##
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##
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                                                           257864
                                                                    264733
   150
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##
                                                    chr1
                                                           264604
                                                                    264733
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## 151
                                                                                         0
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                                                    chr1
                                                           257864
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## 152
                                                                                         0
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                                                    chr1
                                                           258144
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                                                           258144
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                                                                                         0
##
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                                                    chr1
                                                           258568
                                                                    259024
## 158
                                                                                         0
           transcribed processed pseudogene
                                                    chr1
                                                           258568
                                                                    259024
## 159
                                        lncRNA
                                                    chr1
                                                          266855
                                                                    268655
                                                                                 +
                                                                                         0
## 160
                                        lncRNA
                                                    chr1
                                                          266855
                                                                   268655
                                                                                         0
```

```
## 161
                                       lncRNA
                                                    chr1
                                                          266855
                                                                   267056
                                                                                        0
##
   162
                                                          268122
                                                                                        0
                                       lncRNA
                                                    chr1
                                                                   268655
                                                                                +
                                                    chr1
   163
                        processed_pseudogene
                                                          347982
                                                                   348366
   164
                                                          347982
                                                                   348366
##
                        processed_pseudogene
                                                    chr1
                                                                                        1
##
   165
                        processed_pseudogene
                                                    chr1
                                                          347982
                                                                   348366
                                                                                        1
   166
                                                          358857
                                                                   366052
##
                                                    chr1
                                                                                +
                                                                                        0
                                       lncRNA
                                                          360057
   167
                                       lncRNA
                                                    chr1
                                                                   366052
                                                                                        0
## 168
                                       lncRNA
                                                    chr1
                                                          360057
                                                                   360168
                                                                                +
                                                                                        0
##
   169
                                       lncRNA
                                                    chr1
                                                          365171
                                                                   366052
                                                                                +
                                                                                        0
##
   170
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                                                    chr1
                                                          365389
                                                                   522928
                                                                                        0
   171
                                                    chr1
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                                                                   366151
                                                                                        0
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   172
                                                          366019
                                                                                        0
##
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                                                    chr1
                                                                   366151
##
   173
                                                    chr1
                                                          365389
                                                                   365692
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         transcribed_unprocessed_pseudogene
   174
##
                                                    chr1
                                                          485026
                                                                   485208
                                                                                        0
##
   175
                                                          485026
                                                                   485208
                                                                                        0
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                                                    chr1
##
   176
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                                                                   522928
                                                                                        0
##
   177
                                                          522859
                                                                   522928
                                                                                        0
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                                                    chr1
   178
                                                          517185
                                                                   517266
                                                                                        0
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                                                    chr1
   179
                                                          514359
##
                                                                   514423
                                                                                        0
        transcribed_unprocessed_pseudogene
                                                    chr1
##
   180
        transcribed_unprocessed_pseudogene
                                                    chr1
                                                          504865
                                                                   505103
                                                                                        0
##
   181
                        processed_pseudogene
                                                    chr1
                                                          439870
                                                                   440232
                                                                                +
                                                                                        1
   182
                                                          439870
                                                                   440232
                        processed_pseudogene
                                                    chr1
                                                                                        1
## 183
                                                          439870
                                                                   440232
                        processed_pseudogene
                                                    chr1
                                                                                        1
   184
                                                          450703
                              protein_coding
                                                    chr1
                                                                   451697
                                                                                        1
##
   185
                              protein_coding
                                                    chr1
                                                          450703
                                                                   451697
                                                                                        1
   186
                              protein_coding
                                                    chr1
                                                          450703
                                                                   451697
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                                                          450743
                                                                   451678
##
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                                                    chr1
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                                                          451676
##
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                                                          450740
                                                                   450742
##
                               protein_coding
                                                    chr1
                                                                                        1
##
   190
                                                          450703
                                                                   450742
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                                                    chr1
                                                                                        1
##
   191
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                                                    chr1
                                                          451679
                                                                   451697
                                                                                        1
##
   192
                                                    chr1
                                                          487101
                                                                   489906
                                                                                +
                                                                                        1
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   193
                                                    chr1
                                                          487101
                                                                   489906
                                                                                        1
                        processed_pseudogene
   194
                                                          487101
##
                                                                   489387
                                                                                 +
                                                    chr1
                                                                                        1
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   195
                                                          489717
                                                                   489906
                                                                                        1
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                                                    chr1
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                                                    chr1
                                                          491225
                                                                   493241
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  199
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                                                    chr1
                                                          586071
                                                                   612813
           transcribed_processed_pseudogene
   205
           transcribed_processed_pseudogene
                                                          612741
                                                    chr1
                                                                   612813
                                                                                        0
  206
                                                          607955
##
                                                                   608056
                                                                                        0
           transcribed_processed_pseudogene
                                                    chr1
##
   207
           transcribed_processed_pseudogene
                                                    chr1
                                                          601398
                                                                   601577
                                                                                        0
   208
           transcribed_processed_pseudogene
                                                                                        0
##
                                                    chr1
                                                          594629
                                                                   594756
##
   209
           transcribed_processed_pseudogene
                                                    chr1
                                                          586821
                                                                   586955
                                                                                        0
   210
##
           transcribed_processed_pseudogene
                                                    chr1
                                                          586071
                                                                   586358
                                                                                        0
##
   211
                                                          594308
                                                                                        0
                                                    chr1
                                                                   827796
           transcribed_processed_pseudogene
## 212
           transcribed_processed_pseudogene
                                                    chr1
                                                          827670
                                                                   827796
                                                                                        0
## 213
           transcribed_processed_pseudogene
                                                          698927
                                                                   698959
                                                                                        0
                                                    chr1
## 214
           transcribed_processed_pseudogene
                                                    chr1
                                                          607955
                                                                   608056
                                                                                        0
```

```
## 215
                                                           601398
                                                                    601577
                                                                                         0
           transcribed_processed_pseudogene
                                                    chr1
##
   216
                                                          594308
                                                                                         0
                                                    chr1
                                                                   594756
           transcribed_processed_pseudogene
                                                                    720206
   217
           transcribed_processed_pseudogene
                                                    chr1
                                                          720024
                                                                                         0
   218
##
                                                           720024
                                                                    720206
                                                                                         0
           transcribed_processed_pseudogene
                                                    chr1
##
   219
                                        lncRNA
                                                    chr1
                                                           587629
                                                                    594768
                                                                                 +
                                                                                         0
##
   220
                                        lncRNA
                                                          587629
                                                                                         0
                                                    chr1
                                                                    594768
                                                                                 +
   221
                                                           587629
                                        lncRNA
                                                    chr1
                                                                    587701
                                                                                         0
                                                          594235
  222
##
                                        lncRNA
                                                    chr1
                                                                    594768
                                                                                 +
                                                                                         0
##
   223
                      unprocessed_pseudogene
                                                    chr1
                                                           629062
                                                                    629433
                                                                                 +
                                                                                         1
   224
##
                      unprocessed_pseudogene
                                                    chr1
                                                           629062
                                                                    629433
                                                                                         1
   225
                                                    chr1
                                                           629062
                                                                    629433
                                                                                         1
                      unprocessed_pseudogene
   226
                                                           629640
##
                      unprocessed_pseudogene
                                                    chr1
                                                                    630683
                                                                                         1
##
   227
                                                    chr1
                                                           629640
                                                                    630683
                                                                                 +
                                                                                         1
                      unprocessed_pseudogene
##
   228
                      unprocessed_pseudogene
                                                    chr1
                                                           629640
                                                                    630683
                                                                                         1
   229
                                                           631074
                                                                    632616
                                                                                 +
##
                      unprocessed_pseudogene
                                                    chr1
                                                                                         1
##
   230
                                                    chr1
                                                           631074
                                                                    632616
                                                                                         1
                      unprocessed_pseudogene
   231
##
                                                    chr1
                                                           631074
                                                                    632616
                                                                                 +
                                                                                         1
                      unprocessed_pseudogene
   232
                                                           632325
                                                                    632413
                                                                                         0
                                         miRNA
                                                    chr1
   233
                                                    chr1
                                                          632325
##
                                         miRNA
                                                                    632413
                                                                                         0
##
   234
                                         miRNA
                                                    chr1
                                                          632325
                                                                    632413
                                                                                         0
   235
##
                      unprocessed_pseudogene
                                                    chr1
                                                          632757
                                                                    633438
                                                                                 +
                                                                                         1
   236
                                                           632757
                                                                    633438
                      unprocessed_pseudogene
                                                    chr1
                                                                                         1
   237
                                                          632757
##
                                                                    633438
                      unprocessed_pseudogene
                                                    chr1
                                                                                 +
                                                                                         1
   238
                                                           633535
                      unprocessed_pseudogene
                                                    chr1
                                                                    633741
                                                                                         1
   239
##
                      unprocessed_pseudogene
                                                    chr1
                                                          633535
                                                                    633741
                                                                                 +
                                                                                         1
   240
                      unprocessed_pseudogene
                                                    chr1
                                                           633535
                                                                    633741
                                                                                         1
##
   241
                                                           633696
                                                                    634376
                      unprocessed_pseudogene
                                                    chr1
                                                                                         1
##
   242
                                                    chr1
                                                           633696
                                                                    634376
                                                                                         1
                      unprocessed_pseudogene
##
   243
                                                           633696
                                                                    634376
                      unprocessed_pseudogene
                                                    chr1
                                                                                         1
##
   244
                                                           634376
                                                                    634922
                      unprocessed_pseudogene
                                                    chr1
                                                                                         1
##
   245
                      unprocessed_pseudogene
                                                    chr1
                                                           634376
                                                                    634922
                                                                                         1
##
   246
                                                    chr1
                                                           634376
                                                                    634922
                                                                                 +
                                                                                         1
                      unprocessed_pseudogene
##
   247
                                                    chr1
                                                           674842
                                                                    675265
                                                                                         1
                        processed_pseudogene
   248
                                                           674842
                                                                    675265
##
                                                                                 +
                        processed_pseudogene
                                                    chr1
                                                                                         1
   249
                                                           674842
                                                                    675265
                                                                                         1
##
                        processed_pseudogene
                                                    chr1
##
   250
                                                           685679
                               protein_coding
                                                    chr1
                                                                    686673
                                                                                         1
##
   251
                               protein_coding
                                                    chr1
                                                           685679
                                                                    686673
                                                                                         1
##
   252
                                                           685679
                                                                    686673
                                                    chr1
                                                                                         1
                               protein_coding
   253
                                                           685719
                                                                    686654
##
                               protein_coding
                                                    chr1
                                                                                         1
##
   254
                                                           686652
                                                    chr1
                                                                    686654
                                                                                         1
                               protein_coding
   255
                               protein_coding
                                                    chr1
                                                           685716
                                                                    685718
                                                                                         1
   256
                                                          685679
##
                               protein_coding
                                                    chr1
                                                                    685718
                                                                                         1
##
   257
                               protein_coding
                                                    chr1
                                                           686655
                                                                    686673
                                                                                         1
                                                                                 +
##
   258
                                                    chr1
                                                          722092
                                                                    724903
                                                                                         1
                        processed_pseudogene
   259
                                                          722092
##
                                                    chr1
                                                                    724903
                                                                                         1
                        processed_pseudogene
   260
                                                                    724360
                                                           722092
                                                                                 +
##
                        processed_pseudogene
                                                    chr1
                                                                                         1
##
   261
                        processed_pseudogene
                                                    chr1
                                                           724718
                                                                    724903
                                                                                         1
                                                                                         0
##
   262
         transcribed_unprocessed_pseudogene
                                                    chr1
                                                          725885
                                                                    778626
##
   263
        transcribed_unprocessed_pseudogene
                                                    chr1
                                                           725885
                                                                    778626
                                                                                         0
         transcribed_unprocessed_pseudogene
##
   264
                                                    chr1
                                                           778284
                                                                    778626
                                                                                         0
   265
                                                           774171
                                                                    774280
                                                                                         0
##
        transcribed_unprocessed_pseudogene
                                                    chr1
##
   266
        transcribed_unprocessed_pseudogene
                                                    chr1
                                                          772976
                                                                    773107
                                                                                         0
##
   267
        transcribed_unprocessed_pseudogene
                                                          769497
                                                                    769712
                                                                                         0
                                                    chr1
   268
        transcribed unprocessed pseudogene
                                                    chr1
                                                          768548
                                                                   768613
                                                                                         0
```

	269	transcribed_unprocessed_pseudogene	chr1	766329	766387	-	0
##	270	transcribed_unprocessed_pseudogene	chr1	764723	765247	-	0
##	271	transcribed_unprocessed_pseudogene	chr1	758967	759123	-	0
##	272	transcribed_unprocessed_pseudogene	chr1	756077	756141	-	0
##	273	transcribed_unprocessed_pseudogene	chr1	746695	746818	-	0
##	274	transcribed_unprocessed_pseudogene	chr1	744728	744825	-	0
##	275	${\tt transcribed\_unprocessed\_pseudogene}$	chr1	744195	744391	-	0
##	276	${\tt transcribed\_unprocessed\_pseudogene}$	chr1	743180	743350	-	0
##	277	${\tt transcribed\_unprocessed\_pseudogene}$	chr1	735423	735613	_	0
##	278	${\tt transcribed\_unprocessed\_pseudogene}$	chr1	733307	733364	_	0
##	279	${\tt transcribed\_unprocessed\_pseudogene}$	chr1	725885	729804	_	0
##	280	${\tt transcribed\_unprocessed\_pseudogene}$	chr1	764723	774280	_	0
##	281	${\tt transcribed\_unprocessed\_pseudogene}$	chr1	774171	774280	_	0
##	282	transcribed_unprocessed_pseudogene	chr1	768548	768613	-	0
##	283	transcribed_unprocessed_pseudogene	chr1	766329	766387	-	0
##	284	transcribed_unprocessed_pseudogene	chr1	765144	765247	_	0
##	285	transcribed_unprocessed_pseudogene	chr1	764723	764800	_	0
##	286	snRNA	chr1	758233	758336	-	1
##	287	snRNA	chr1	758233	758336	-	1
##	288	snRNA	chr1	758233	758336	-	1
##	289	lncRNA	chr1	760911	761989	+	0
##	290	lncRNA	chr1	760911	761989	+	0
##	291	lncRNA	chr1	760911	761154	+	0
##	292	lncRNA	chr1	761778	761989	+	0
##	293	lncRNA	chr1	778747	810065	+	0
##	294	lncRNA	chr1	778758	810062	+	0
##	295	lncRNA	chr1	778758	779092	+	0
##	296	lncRNA	chr1	803919	804222	+	0
##	297	lncRNA	chr1	804776	804966	+	0
##	298	lncRNA	chr1	807217	807323	+	0
##	299	lncRNA	chr1	809622	810062	+	0
##	300	lncRNA	chr1	778760	805270	+	0
##	301	lncRNA	chr1	778760	779092	+	0
##	302	lncRNA	chr1	803567	803667	+	0
##	303	lncRNA	chr1	803951	804222	+	0
##	304	lncRNA	chr1	804776	805270	+	0
	305	lncRNA	chr1	778770	784690	+	0
	306	lncRNA	chr1	778770	779092	+	0
	307	lncRNA	chr1	781937	782136	+	0
	308	lncRNA	chr1	784370	784690	+	0
	309	lncRNA	chr1	778802	810057	+	0
	310	lncRNA	chr1	778802	779092	+	0
	311	lncRNA	chr1	803919	804222	+	0
	312	lncRNA	chr1	804776	804840	+	0
	313	lncRNA	chr1	807217	807323	+	0
	314	lncRNA	chr1	809658	810057	+	0
	315	lncRNA	chr1	778972	808378	+	0
	316	lncRNA	chr1	778972	779092	+	0
	317	lncRNA	chr1	803922	804222	+	0
	318	lncRNA	chr1	804776	804966	+	0
	319	lncRNA	chr1	807217	808378	+	0
	320	lncRNA	chr1	803934	807435	+	0
	321	lncRNA	chr1	803934	804222	+	0
	322	lncRNA	chr1	804776	807435	+	0
				<b>-</b> . • •			•

##	323	transcribed_processed_pseudogene	chr1	781937	782050	+	0
	324	transcribed_processed_pseudogene	chr1	781937	782050	+	0
	325	transcribed_processed_pseudogene	chr1	781937	782050	+	0
	326	transcribed_unprocessed_pseudogene	chr1	800879	817712	_	0
	327	transcribed_unprocessed_pseudogene	chr1	800879	817712	_	0
	328	transcribed_unprocessed_pseudogene	chr1	817373	817712	_	0
	329	transcribed_unprocessed_pseudogene	chr1	810067	810170	_	0
##	330	transcribed_unprocessed_pseudogene	chr1	808574	808623	_	0
##	331	transcribed_unprocessed_pseudogene	chr1	805799	805891	_	0
	332	transcribed_unprocessed_pseudogene	chr1	800879	801163	_	0
	333	transcribed_unprocessed_pseudogene	chr1	805799	810161	_	0
	334	transcribed_unprocessed_pseudogene	chr1	810067	810161	_	0
	335	transcribed_unprocessed_pseudogene	chr1	808574	808623	_	0
##	336	transcribed_unprocessed_pseudogene	chr1	805799	805891	_	0
	337	lncRNA	chr1	817371	819837	+	1
	338	lncRNA	chr1	817371	819837	+	1
	339	lncRNA	chr1	817371	818202	+	1
	340	lncRNA	chr1	818723	819837	+	1
	341	lncRNA	chr1	825138	868202	+	1
	342	lncRNA	chr1	827598	859446	+	1
	343	lncRNA	chr1	827598	827775	+	1
	344	lncRNA	chr1	829003	829104	+	1
	345	lncRNA	chr1	851927	852110	+	1
	346	lncRNA	chr1	852671	852766	+	1
	347	lncRNA	chr1	853391	859446	+	1
	348	lncRNA	chr1	827604	859085	+	1
	349	lncRNA	chr1	827604	827775	+	1
	350	lncRNA	chr1	829003	829104	+	1
	351	lncRNA	chr1	841200	844498	+	1
	352	lncRNA	chr1	847654	847806	+	1
	353	lncRNA	chr1	851927	852110	+	1
	354	lncRNA	chr1	852671	852766	+	1
	355	lncRNA	chr1	853391	855136	+	1
	356	lncRNA	chr1	856449	859085	+	1
	357	lncRNA	chr1	827638	859408	+	1
	358	lncRNA	chr1	827638	827775	+	1
	359	lncRNA	chr1	829003	829104	+	1
	360	lncRNA	chr1	847654	847806	+	1
	361	lncRNA	chr1	849484	849602	+	1
	362	lncRNA	chr1	851927	852110	+	1
	363	lncRNA	chr1	852671	852766	+	1
	364	lncRNA	chr1	853391	855121	+	1
	365	lncRNA	chr1	856449	859408	+	1
	366	lncRNA	chr1	827654	854096	+	1
	367	lncRNA	chr1	827654	827775	+	1
	368	lncRNA	chr1	829003	829104	+	1
	369	lncRNA	chr1	847654	847806	+	1
	370	lncRNA	chr1	849484	849602	+	1
	371	lncRNA	chr1	850181	850351	+	1
	372	lncRNA	chr1	851927	852110	+	1
	373	lncRNA	chr1	852671	852766	+	1
	374	lncRNA	chr1	853391	854096	+	1
	375	lncRNA	chr1	827667	854385	+	1
	376	lncRNA	chr1	827667	827775	+	1
ırπ	5.0	THOWN	CIII I	521007	521110	•	-

```
## 377
                                         lncRNA
                                                            829003
                                                                      829104
                                                                                           1
                                                     chr1
##
  378
                                         lncRNA
                                                                                           1
                                                     chr1
                                                            847654
                                                                     847806
   379
                                         lncRNA
                                                      chr1
                                                            849484
                                                                      849602
                                                                                           1
   380
##
                                         lncRNA
                                                            850178
                                                                                           1
                                                     chr1
                                                                      850351
                                                                                   +
##
   381
                                         lncRNA
                                                      chr1
                                                            851927
                                                                      852110
                                                                                           1
   382
                                                            852671
##
                                         lncRNA
                                                     chr1
                                                                      852766
                                                                                   +
                                                                                           1
   383
                                         lncRNA
                                                            853391
##
                                                     chr1
                                                                      854385
                                                                                           1
##
   384
                                         lncRNA
                                                     chr1
                                                            827673
                                                                      857246
                                                                                   +
                                                                                           1
##
   385
                                         lncRNA
                                                     chr1
                                                            827673
                                                                      827775
                                                                                           1
   386
##
                                         lncRNA
                                                      chr1
                                                            829003
                                                                      829104
                                                                                           1
##
   387
                                         lncRNA
                                                      chr1
                                                            851927
                                                                      852014
                                                                                           1
   388
                                         lncRNA
                                                            852671
                                                                                           1
##
                                                      chr1
                                                                      852766
##
   389
                                         lncRNA
                                                      chr1
                                                            853391
                                                                      855136
                                                                                   +
                                                                                           1
   390
                                         lncRNA
                                                                      857246
                                                                                           1
##
                                                      chr1
                                                            856449
   391
                                         lncRNA
                                                            827700
                                                                      854376
                                                                                   +
                                                                                           1
##
                                                     chr1
##
   392
                                         lncRNA
                                                      chr1
                                                            827700
                                                                      827775
                                                                                           1
   393
                                                                                           1
##
                                         lncRNA
                                                            829003
                                                                      829104
                                                                                   +
                                                      chr1
   394
                                         lncRNA
                                                            841200
                                                                      841373
                                                                                           1
                                                      chr1
   395
                                         lncRNA
                                                            847654
##
                                                     chr1
                                                                      847806
                                                                                           1
##
   396
                                         lncRNA
                                                      chr1
                                                            851927
                                                                      852110
                                                                                           1
##
   397
                                         lncRNA
                                                     chr1
                                                            852671
                                                                      852766
                                                                                   +
                                                                                           1
   398
                                         lncRNA
                                                            853391
                                                                      854376
                                                                                           1
                                                     chr1
   399
                                         lncRNA
                                                            860227
##
                                                                      868202
                                                                                           1
                                                     chr1
   400
                                         lncRNA
                                                            860227
##
                                                     chr1
                                                                      861273
                                                                                           1
##
   401
                                         lncRNA
                                                     chr1
                                                            865260
                                                                      865499
                                                                                   +
                                                                                           1
   402
                                         lncRNA
                                                     chr1
                                                            867420
                                                                      868202
                                                                                           1
##
   403
                                         lncRNA
                                                            826206
                                                                      827522
                                                                                           1
                                                      chr1
                                                                                           1
##
   404
                                         lncRNA
                                                      chr1
                                                            826206
                                                                      827522
##
   405
                                         lncRNA
                                                            826206
                                                                      827522
                                                                                           1
                                                      chr1
##
   406
                                         lncRNA
                                                            868071
                                                                      876903
                                                                                           1
                                                     chr1
##
   407
                                         lncRNA
                                                      chr1
                                                            868071
                                                                      876903
                                                                                           1
##
   408
                                         lncRNA
                                                      chr1
                                                            876746
                                                                      876903
                                                                                           1
##
   409
                                         lncRNA
                                                      chr1
                                                            874112
                                                                      875155
                                                                                           1
                                         lncRNA
                                                            868071
##
   410
                                                                      868675
                                                                                           1
                                                      chr1
##
   411
                                         lncRNA
                                                            868240
                                                                      870201
                                                                                           1
                                                      chr1
##
   412
                                         lncRNA
                                                            870086
                                                                                           1
                                                     chr1
                                                                     870201
##
  413
                                         lncRNA
                                                     chr1
                                                            869528
                                                                      869575
                                                                                           1
## 414
                                         lncRNA
                                                            868627
                                                                                           1
                                                     chr1
                                                                      868675
   415
                                         lncRNA
                                                            868240
                                                                      868530
                                                                                           1
                                                     chr1
##
   416
                                                                                           1
                      unprocessed_pseudogene
                                                     chr1
                                                            873292
                                                                      874349
                                                                                   +
   417
                                                            873292
                                                                                           1
                      unprocessed_pseudogene
                                                     chr1
                                                                      874349
##
   418
                      unprocessed_pseudogene
                                                            873292
                                                                      874349
                                                                                           1
                                                     chr1
                                                                                   +
                                                                                           0
##
   419
         transcribed_unprocessed_pseudogene
                                                     chr1
                                                            874529
                                                                      877234
                                                                                           0
##
   420
         transcribed_unprocessed_pseudogene
                                                      chr1
                                                            874529
                                                                      877234
   421
                                                                                           0
##
         transcribed_unprocessed_pseudogene
                                                     chr1
                                                            876755
                                                                      877234
   422
                                                            876527
                                                                                           0
##
         transcribed_unprocessed_pseudogene
                                                     chr1
                                                                      876611
##
   423
         transcribed_unprocessed_pseudogene
                                                     chr1
                                                            875526
                                                                      875625
                                                                                           0
   424
                                                                                           0
##
         transcribed_unprocessed_pseudogene
                                                      chr1
                                                            875047
                                                                      875155
##
   425
         transcribed_unprocessed_pseudogene
                                                      chr1
                                                            874529
                                                                      874591
                                                                                           0
   426
##
                                         lncRNA
                                                      chr1
                                                            904834
                                                                      915976
                                                                                   +
                                                                                           0
##
   427
                                         lncRNA
                                                            904834
                                                                                   +
                                                                                           0
                                                      chr1
                                                                      915976
  428
                                                                                           0
##
                                         lncRNA
                                                      chr1
                                                            904834
                                                                      904957
## 429
                                         lncRNA
                                                            915750
                                                                     915976
                                                                                   +
                                                                                           0
                                                     chr1
## 430
                                         lncRNA
                                                      chr1
                                                            911435
                                                                     914948
                                                                                           0
```

##	431	${\tt lncRNA}$	chr1	911435	914948	+	0
##	432	${\tt lncRNA}$	chr1	911435	911473	+	0
##	433	lncRNA	chr1	911945	914948	+	0
##	434	lncRNA	chr1	914171	914971	+	0
##	435	lncRNA	chr1	914171	914971	+	0
##	436	lncRNA	chr1	914171	914444	+	0
##	437	lncRNA	chr1	914803	914971	+	0
##	438	lncRNA	chr1	916865	921016	-	1
##	439	lncRNA	chr1	916870	919692	_	1
##	440	lncRNA	chr1	919335	919692	-	1
##	441	lncRNA	chr1	918825	918915	-	1
##	442	lncRNA	chr1	918022	918110	-	1
##	443	lncRNA	chr1	916870	917720	-	1
##	444	protein_coding	chr1	923928	944581	+	1
##	445	protein_coding	chr1	925731	944574	+	1
##	446	protein_coding	chr1	925731	925800	+	1
##	447	protein_coding	chr1	925922	926013	+	1
##	448	protein_coding	chr1	925942	926013	+	1
##	449	protein_coding	chr1	925942	925944	+	1
##	450	protein_coding	chr1	930155	930336	+	1
##	451	protein_coding	chr1	930155	930336	+	1
##	452	protein_coding	chr1	931039	931089	+	1
##	453	protein_coding	chr1	931039	931089	+	1
##	454	protein_coding	chr1	935772	935896	+	1
##	455	protein_coding	chr1	935772	935896	+	1
##	456	protein_coding	chr1	939040	939129	+	1
##	457	protein_coding	chr1	939040	939129	+	1
##	458	protein_coding	chr1	939275	939460	+	1
##	459	<pre>protein_coding</pre>	chr1	939275	939460	+	1
##	460	protein_coding	chr1	941144	941306	+	1
##	461	protein_coding	chr1	941144	941306	+	1
##	462	<pre>protein_coding</pre>	chr1	942136	942251	+	1
##	463	<pre>protein_coding</pre>	chr1	942136	942251	+	1
##	464	<pre>protein_coding</pre>	chr1	942410	942488	+	1
##	465	<pre>protein_coding</pre>	chr1	942410	942488	+	1
##	466	<pre>protein_coding</pre>	chr1	942559	943058	+	1
##	467	<pre>protein_coding</pre>	chr1	942559	943058	+	1
##	468	<pre>protein_coding</pre>	chr1	943253	943377	+	1
##	469	<pre>protein_coding</pre>	chr1	943253	943377	+	1
##	470	<pre>protein_coding</pre>	chr1	943698	943808	+	1
##	471	<pre>protein_coding</pre>	chr1	943698	943808	+	1
##	472	<pre>protein_coding</pre>	chr1	943908	944574	+	1
##	473	<pre>protein_coding</pre>	chr1	943908	944150	+	1
##	474	<pre>protein_coding</pre>	chr1	944151	944153	+	1
##	475	<pre>protein_coding</pre>	chr1	925731	925800	+	1
##	476	<pre>protein_coding</pre>	chr1	925922	925941	+	1
	477	<pre>protein_coding</pre>	chr1	944151	944574	+	1
	478	<pre>protein_coding</pre>	chr1	925741	944581	+	1
	479	<pre>protein_coding</pre>	chr1	925741	925800	+	1
	480	<pre>protein_coding</pre>	chr1	925922	926013	+	1
	481	<pre>protein_coding</pre>	chr1	925942	926013	+	1
	482	<pre>protein_coding</pre>	chr1	925942	925944	+	1
	483	<pre>protein_coding</pre>	chr1	930155	930336	+	1
##	484	<pre>protein_coding</pre>	chr1	930155	930336	+	1

##	485	<pre>protein_coding</pre>	chr1	935772	935896	+	1
##	486	protein_coding	chr1	935772	935896	+	1
##	487	protein_coding	chr1	939040	939129	+	1
##	488	protein_coding	chr1	939040	939129	+	1
##	489	protein_coding	chr1	939272	939412	+	1
##	490	protein_coding	chr1	939272	939412	+	1
##	491	protein_coding	chr1	942410	942488	+	1
##	492	protein_coding	chr1	942410	942488	+	1
##	493	protein_coding	chr1	942559	943058	+	1
##	494	protein_coding	chr1	942559	943058	+	1
	495	protein_coding	chr1	943253	943377	+	1
	496	protein_coding	chr1	943253	943377	+	1
	497	protein_coding	chr1	943698	943808	+	1
	498	protein_coding	chr1	943698	943808	+	1
	499	protein_coding	chr1	943908	944581	+	1
	500	protein_coding	chr1	943908	944150	+	1
	501	protein_coding	chr1	944151	944153	+	1
	502	protein_coding	chr1	925741	925800	+	1
	503	protein_coding	chr1	925922	925941	+	1
	504	protein_coding	chr1	944151	944581	+	1
	505	protein_coding	chr1	925741	944581	+	1
	506	protein_coding protein_coding	chr1	925741	925800	+	1
	507						
		protein_coding	chr1	925922	926013	+	1
	508	protein_coding	chr1	925942	926013	+	1
	509	protein_coding	chr1	925942	925944	+	1
	510	protein_coding	chr1	930155	930336	+	1
	511	protein_coding	chr1	930155	930336	+	1
	512	protein_coding	chr1	931039	931089	+	1
	513	protein_coding	chr1	931039	931089	+	1
	514	protein_coding	chr1	935772	935896	+	1
	515	protein_coding	chr1	935772	935896	+	1
	516	<pre>protein_coding</pre>	chr1	939040	939129	+	1
	517	<pre>protein_coding</pre>	chr1	939040	939129	+	1
	518	<pre>protein_coding</pre>	chr1	939272	939460	+	1
	519	<pre>protein_coding</pre>	chr1	939272	939460	+	1
	520	<pre>protein_coding</pre>	chr1	941144	941306	+	1
##	521	<pre>protein_coding</pre>	chr1	941144	941306	+	1
##	522	<pre>protein_coding</pre>	chr1	942136	942251	+	1
##	523	<pre>protein_coding</pre>	chr1	942136	942251	+	1
##	524	<pre>protein_coding</pre>	chr1	942410	942488	+	1
##	525	protein_coding	chr1	942410	942488	+	1
##	526	protein_coding	chr1	942559	943058	+	1
##	527	protein_coding	chr1	942559	943058	+	1
##	528	protein_coding	chr1	943253	943377	+	1
##	529	protein_coding	chr1	943253	943377	+	1
##	530	protein_coding	chr1	943698	943808	+	1
##	531	protein_coding	chr1	943698	943808	+	1
##	532	protein_coding	chr1	943908	944581	+	1
##	533	protein_coding	chr1	943908	944150	+	1
	534	protein_coding	chr1	944151	944153	+	1
	535	protein_coding	chr1	925741	925800	+	1
	536	protein_coding	chr1	925922	925941	+	1
	537	protein_coding	chr1	944151	944581	+	1
	538	protein_coding	chr1	925741	944581	+	1
				- /	<del>-</del>		

##	539	<pre>protein_coding</pre>	chr1	925741	925800	+	1
##	540	protein_coding	chr1	925922	926013	+	1
##	541	protein_coding	chr1	925942	926013	+	1
##	542	protein_coding	chr1	925942	925944	+	1
##	543	protein_coding	chr1	930155	930336	+	1
##	544	protein_coding	chr1	930155	930336	+	1
##	545	protein_coding	chr1	931039	931089	+	1
##	546	protein_coding	chr1	931039	931089	+	1
##	547	protein_coding	chr1	935772	935805	+	1
##	548	protein_coding	chr1	935772	935805	+	1
##	549	protein_coding	chr1	941172	941306	+	1
##	550	protein_coding	chr1	941172	941306	+	1
	551	protein_coding	chr1	942136	942251	+	1
	552	protein_coding	chr1	942136	942251	+	1
	553	protein_coding	chr1	942410	942488	+	1
	554	protein_coding	chr1	942410	942488	+	1
##	555	protein_coding	chr1	942559	943058	+	1
	556	protein_coding	chr1	942559	942852	+	1
	557	protein_coding	chr1	942853	942855	+	1
	558	protein_coding	chr1	943253	943377	+	1
	559	protein_coding	chr1	943698	943808	+	1
	560	protein_coding	chr1	943908	944581	+	1
	561	protein_coding	chr1	925741	925800	+	1
	562	protein_coding	chr1	925922	925941	+	1
	563	protein_coding	chr1	942853	943058	+	1
	564	protein_coding	chr1	943253	943377	+	1
	565	protein_coding	chr1	943698	943808	+	1
	566	protein_coding	chr1	943908	944581	+	1
	567	protein_coding	chr1	925741	944581	+	1
	568	protein_coding	chr1	925741	925800	+	1
	569	protein_coding	chr1	925922	926013	+	1
	570	protein_coding	chr1	925942	926013	+	1
	571	protein_coding	chr1	925942	925944	+	1
	572	protein_coding	chr1	930155	930336	+	1
	573	protein_coding	chr1	930155	930336	+	1
	574	protein_coding	chr1	931039	931089	+	1
	575	protein_coding	chr1	931039	931089	+	1
	576		chr1	935772	935896	+	1
	577	protein_coding protein_coding	chr1	935772	935896	+	1
	578	protein_coding	chr1	939040	939129	+	1
	579	protein_coding protein_coding	chr1	939040	939129	+	1
	580	protein_coding protein_coding	chr1	939275	939460	+	1
	581		chr1	939275	939460	+	1
	582	<pre>protein_coding protein_coding</pre>	chr1	942136	942251	+	1
	583		chr1	942136	942251	+	1
	584	protein_coding	chr1	942410	942488	+	1
	585	protein_coding		942410	942488	+	
	586	protein_coding	chr1 chr1	942410	942488	+	1 1
	587	protein_coding	chr1	942559	943058	+	1
	588	protein_coding		942559	942692	+	
	589	protein_coding	chr1	942693	942695	+	1
	590	protein_coding	chr1		943377	+	1
	591	protein_coding	chr1	943698	943808	+	1
		protein_coding	chr1	943908			1
##	592	<pre>protein_coding</pre>	chr1	925741	925800	+	1

##	593	<pre>protein_coding</pre>	chr1	925922	925941	+	1
##	594	<pre>protein_coding</pre>	chr1	942693	943058	+	1
##	595	protein_coding	chr1	943253	943377	+	1
##	596	protein_coding	chr1	943698	943808	+	1
##	597	protein_coding	chr1	943908	944581	+	1
##	598	protein_coding	chr1	925741	944581	+	1
##	599	protein_coding	chr1	925741	925800	+	1
##	600	protein_coding	chr1	925922	926013	+	1
	601	protein_coding	chr1	925942	926013	+	1
##	602	protein_coding	chr1	925942	925944	+	1
##	603	protein_coding	chr1	930155	930336	+	1
##	604	protein_coding	chr1	930155	930336	+	1
##	605	protein_coding	chr1	931039	931089	+	1
	606	protein_coding	chr1	931039	931089	+	1
	607	protein_coding	chr1	935772	935896	+	1
	608	protein_coding	chr1	935772	935896	+	1
	609	protein_coding	chr1	939040	939129	+	1
	610	protein_coding	chr1	939040	939129	+	1
	611	protein_coding	chr1	941144	941306	+	1
	612	protein_coding	chr1	941144	941306	+	1
	613	protein_coding	chr1	942136	942251	+	1
	614	protein_coding	chr1	942136	942251	+	1
	615	-	chr1	942410	942488	+	1
	616	protein_coding	chr1	942410	942488	+	1
	617	protein_coding	chr1	942559	943058	+	1
	618	protein_coding		942559	943058	+	1
	619	protein_coding	chr1	942559	943056	+	1
	620	protein_coding	chr1				
	621	protein_coding	chr1	943253	943377	+	1
		protein_coding	chr1	943698	943808	+	1
	622	protein_coding	chr1	943698	943808	+	1
	623	protein_coding	chr1	943908	944581	+	1
	624	protein_coding	chr1	943908	944150	+	1
	625	protein_coding	chr1	944151	944153	+	1
	626	protein_coding	chr1	925741	925800	+	1
	627	protein_coding	chr1	925922	925941	+	1
	628	protein_coding	chr1	944151	944581	+	1
##	629	protein_coding	chr1	925741	944581	+	1
	630	protein_coding	chr1	925741	925800	+	1
	631	<pre>protein_coding</pre>	chr1	925922	926013	+	1
	632	<pre>protein_coding</pre>	chr1	925942	926013	+	1
	633	<pre>protein_coding</pre>	chr1	925942	925944	+	1
	634	<pre>protein_coding</pre>	chr1	930155	930336	+	1
	635	<pre>protein_coding</pre>	chr1	930155	930336	+	1
	636	<pre>protein_coding</pre>	chr1	931039	931089	+	1
	637	<pre>protein_coding</pre>	chr1	931039	931089	+	1
	638	<pre>protein_coding</pre>	chr1	935772	935896	+	1
	639	<pre>protein_coding</pre>	chr1	935772	935896	+	1
	640	<pre>protein_coding</pre>	chr1	939040	939129	+	1
	641	<pre>protein_coding</pre>	chr1	939040	939129	+	1
	642	<pre>protein_coding</pre>	chr1	939272	939412	+	1
	643	<pre>protein_coding</pre>	chr1	939272	939412	+	1
##	644	<pre>protein_coding</pre>	chr1	942410	942488	+	1
	645	<pre>protein_coding</pre>	chr1	942410	942488	+	1
##	646	<pre>protein_coding</pre>	chr1	942559	943058	+	1

##	647	protein_coding	chr1	942559	943058	+	1
##	648	protein_coding	chr1	943253	943377	+	1
##	649	protein_coding	chr1	943253	943377	+	1
##	650	protein_coding	chr1	943698	943808	+	1
##	651	protein_coding	chr1	943698	943808	+	1
##	652	protein_coding	chr1	943908	944581	+	1
##	653	protein_coding	chr1	943908	944150	+	1
##	654	protein_coding	chr1	944151	944153	+	1
##	655	protein_coding	chr1	925741	925800	+	1
	656	protein_coding	chr1	925922	925941	+	1
	657	protein_coding	chr1	944151	944581	+	1
	658	protein_coding	chr1	925741	944581	+	1
	659	protein_coding	chr1	925741	925800	+	1
	660	protein_coding	chr1	925922	926013	+	1
	661	protein_coding	chr1	925942	926013	+	1
	662	protein_coding	chr1	925942	925944	+	1
	663	protein_coding	chr1	930155	930336	+	1
	664	protein_coding	chr1	930155	930336	+	1
	665	protein_coding	chr1	931039	931089	+	1
	666		chr1	931039	931089	+	1
	667	protein_coding	chr1	942410	942488	+	1
	668	protein_coding	chr1	942410	942488	+	1
	669	protein_coding					
		protein_coding	chr1	942559	943058	+	1
	670	protein_coding	chr1	942559	942852	+	1
	671	protein_coding	chr1	942853	942855	+	1
	672	protein_coding	chr1	943253	943377	+	1
	673	protein_coding	chr1	943698	943808	+	1
	674	protein_coding	chr1	943908	944581	+	1
	675	protein_coding	chr1	925741	925800	+	1
	676	protein_coding	chr1	925922	925941	+	1
	677	protein_coding	chr1	942853	943058	+	1
	678	<pre>protein_coding</pre>	chr1	943253	943377	+	1
	679	<pre>protein_coding</pre>	chr1	943698	943808	+	1
	680	<pre>protein_coding</pre>	chr1	943908	944581	+	1
	681	<pre>protein_coding</pre>	chr1	925741	944581	+	1
	682	<pre>protein_coding</pre>	chr1	925741	925800	+	1
##	683	<pre>protein_coding</pre>	chr1	925922	926013	+	1
##	684	<pre>protein_coding</pre>	chr1	925942	926013	+	1
##	685	<pre>protein_coding</pre>	chr1	925942	925944	+	1
##	686	<pre>protein_coding</pre>	chr1	930155	930336	+	1
##	687	<pre>protein_coding</pre>	chr1	930155	930336	+	1
##	688	<pre>protein_coding</pre>	chr1	931039	931089	+	1
##	689	protein_coding	chr1	931039	931089	+	1
##	690	protein_coding	chr1	935772	935896	+	1
##	691	protein_coding	chr1	935772	935896	+	1
##	692	protein_coding	chr1	939040	939129	+	1
##	693	protein_coding	chr1	939040	939129	+	1
##	694	protein_coding	chr1	939275	939412	+	1
##	695	protein_coding	chr1	939275	939412	+	1
##	696	protein_coding	chr1	941144	941230	+	1
##	697	protein_coding	chr1	941144	941230	+	1
##	698	protein_coding	chr1	942410	942488	+	1
	699	protein_coding	chr1	942410	942488	+	1
	700	protein_coding	chr1	942559	943058	+	1

##	701	<pre>protein_coding</pre>	chr1	942559	943058	+	1
##	702	<pre>protein_coding</pre>	chr1	943253	943377	+	1
##	703	protein_coding	chr1	943253	943377	+	1
##	704	protein_coding	chr1	943698	943808	+	1
##	705	protein_coding	chr1	943698	943808	+	1
##	706	protein_coding	chr1	943908	944581	+	1
##	707	protein_coding	chr1	943908	944150	+	1
##	708	protein_coding	chr1	944151	944153	+	1
##	709	protein_coding	chr1	925741	925800	+	1
	710	protein_coding	chr1	925922	925941	+	1
	711	protein_coding	chr1	944151	944581	+	1
	712	protein_coding	chr1	944203	959309	_	1
	713	protein_coding	chr1	944203	959256	_	1
	714	protein_coding	chr1	959215	959256	_	1
	715	protein_coding	chr1	959215	959240	_	1
	716	protein_coding	chr1	959238	959240	_	1
	717	protein_coding	chr1	958929	959081	_	1
	718	protein_coding	chr1	958929	959081	_	1
	719	protein_coding	chr1	957099	957273	_	1
	720	-	chr1	957099	957273	_	1
	721	protein_coding		956894	957273		1
	722	protein_coding	chr1	956894		_	
		protein_coding	chr1		957025	_	1
	723	protein_coding	chr1	956095	956215	_	1
	724	protein_coding	chr1	956095	956215	_	1
	725	protein_coding	chr1	955923	956013	-	1
	726	protein_coding	chr1	955923	956013	_	1
	727	protein_coding	chr1	954004	954082	_	1
	728	protein_coding	chr1	954004	954082	-	1
	729	<pre>protein_coding</pre>	chr1	953782	953892	-	1
	730	<pre>protein_coding</pre>	chr1	953782	953892	-	1
	731	<pre>protein_coding</pre>	chr1	953175	953288	-	1
	732	<pre>protein_coding</pre>	chr1	953175	953288	-	1
##	733	<pre>protein_coding</pre>	chr1	952412	952600	-	1
##	734	<pre>protein_coding</pre>	chr1	952412	952600	-	1
##	735	<pre>protein_coding</pre>	chr1	952000	952139	-	1
##	736	protein_coding	chr1	952000	952139	-	1
##	737	protein_coding	chr1	951127	951238	-	1
##	738	protein_coding	chr1	951127	951238	-	1
##	739	protein_coding	chr1	948490	948603	-	1
##	740	protein_coding	chr1	948490	948603	-	1
##	741	protein_coding	chr1	948131	948232	-	1
##	742	protein_coding	chr1	948131	948232	_	1
##	743	protein_coding	chr1	946402	946545	_	1
##	744	protein_coding	chr1	946402	946545	_	1
##	745	protein_coding	chr1	946173	946286	_	1
##	746	protein_coding	chr1	946173	946286	_	1
	747	protein_coding	chr1	945518	945653	_	1
	748	protein_coding	chr1	945518	945653	_	1
	749	protein_coding	chr1	945057	945146	_	1
	750	protein_coding	chr1	945057	945146	_	1
	751	protein_coding	chr1	944203	944800	_	1
	752	protein_coding	chr1	944697	944800	_	1
	753	protein_coding	chr1	944694	944696	_	1
	754	protein_coding	chr1	959241	959256	_	1
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##	755	<pre>protein_coding</pre>	chr1	944203	944696	-	1
##	756	<pre>protein_coding</pre>	chr1	960584	965719	+	1
##	757	protein_coding	chr1	960584	965719	+	1
##	758	protein_coding	chr1	960584	960800	+	1
##	759	protein_coding	chr1	960694	960800	+	1
##	760	protein_coding	chr1	960694	960696	+	1
##	761	protein_coding	chr1	961293	961552	+	1
##	762	protein_coding	chr1	961293	961552	+	1
##	763	protein_coding	chr1	961629	961750	+	1
##	764	protein_coding	chr1	961629	961750	+	1
##	765	protein_coding	chr1	961826	962047	+	1
##	766	protein_coding	chr1	961826	962047	+	1
##	767	protein_coding	chr1	962355	962471	+	1
	768	protein_coding	chr1	962355	962471	+	1
	769	protein_coding	chr1	962704	962917	+	1
	770	protein_coding	chr1	962704	962917	+	1
	771	protein_coding	chr1	963109	963253	+	1
	772	protein_coding	chr1	963109	963253	+	1
	773	protein_coding	chr1	963337	963504	+	1
	774	protein_coding	chr1	963337	963504	+	1
	775	protein_coding	chr1	963920	964008	+	1
	776	protein_coding	chr1	963920	964008	+	1
	777	-	chr1	964107	964180	+	1
	778	protein_coding	chr1	964107	964180	+	1
	779	protein_coding		964349	964530	+	1
	780	protein_coding	chr1	964349	964530	+	1
	781	protein_coding	chr1		964530	+	1
		protein_coding	chr1	964963	965188		
	782	protein_coding	chr1	964963		+	1
	783	protein_coding	chr1	965189	965191	+	1
	784	protein_coding	chr1	960584	960693	+	1
	785	protein_coding	chr1	965189	965719	+	1
	786	protein_coding	chr1	960639	965602	+	1
	787	protein_coding	chr1	960639	960699	+	1
	788	protein_coding	chr1	962082	962471	+	1
	789	protein_coding	chr1	962704	962917	+	1
	790	protein_coding	chr1	962707	962917	+	1
##	791	protein_coding	chr1	962707	962709	+	1
##	792	protein_coding	chr1	963109	963253	+	1
	793	<pre>protein_coding</pre>	chr1	963109	963253	+	1
##	794	<pre>protein_coding</pre>	chr1	963337	963504	+	1
##	795	<pre>protein_coding</pre>	chr1	963337	963504	+	1
##	796	<pre>protein_coding</pre>	chr1	963920	964008	+	1
##	797	<pre>protein_coding</pre>	chr1	963920	964008	+	1
##	798	<pre>protein_coding</pre>	chr1	964107	964167	+	1
##	799	<pre>protein_coding</pre>	chr1	964107	964167	+	1
##	800	<pre>protein_coding</pre>	chr1	964349	964530	+	1
##	801	<pre>protein_coding</pre>	chr1	964349	964349	+	1
##	802	<pre>protein_coding</pre>	chr1	964350	964352	+	1
##	803	<pre>protein_coding</pre>	chr1	964963	965602	+	1
##	804	<pre>protein_coding</pre>	chr1	960639	960699	+	1
##	805	protein_coding	chr1	962082	962471	+	1
##	806	<pre>protein_coding</pre>	chr1	962704	962706	+	1
##	807	protein_coding	chr1	964350	964530	+	1
##	808	protein_coding	chr1	964963	965602	+	1

	809	<pre>protein_coding</pre>	chr1	966497	975865	+	1
##	810	protein_coding	chr1	966497	975108	+	1
##	811	<pre>protein_coding</pre>	chr1	966497	966614	+	1
##	812	protein_coding	chr1	966532	966614	+	1
##	813	protein_coding	chr1	966532	966534	+	1
##	814	protein_coding	chr1	966704	966803	+	1
##	815	protein_coding	chr1	966704	966803	+	1
##	816	protein_coding	chr1	970277	970423	+	1
##	817	protein_coding	chr1	970277	970423	+	1
##	818	protein_coding	chr1	970521	970601	+	1
##	819	protein_coding	chr1	970521	970601	+	1
	820	protein_coding	chr1	970686	970758	+	1
##	821	protein_coding	chr1	970686	970758	+	1
##	822	protein_coding	chr1	970879	971006	+	1
##	823	protein_coding	chr1	970879	971006	+	1
	824	protein_coding	chr1	971113	971208	+	1
	825	protein_coding	chr1	971113	971208	+	1
	826	protein_coding	chr1	971324	971404	+	1
	827	protein_coding	chr1	971324	971404	+	1
	828	protein_coding	chr1	972075	972150	+	1
	829	protein_coding	chr1	972075	972150	+	1
	830	protein_coding	chr1	972288	972424	+	1
	831	protein_coding	chr1	972288	972424	+	1
	832	protein_coding	chr1	972861	973010	+	1
	833	protein_coding	chr1	972861	973010	+	1
	834	protein_coding	chr1	973186	973326	+	1
	835	protein_coding	chr1	973186	973326	+	1
	836		chr1	973500	973640	+	1
	837	protein_coding	chr1	973500	973640	+	1
	838	protein_coding			974051	+	1
	839	protein_coding	chr1	973833	974051	+	1
	840	protein_coding	chr1	973833			
	841	protein_coding	chr1	974316	974364	+	1
		protein_coding	chr1	974316	974364	+	1
	842	protein_coding	chr1	974442	975108	+	1
	843	protein_coding	chr1	974442	974572	+	1
	844	protein_coding	chr1	974573	974575	+	1
	845	protein_coding	chr1	966497	966531	+	1
	846	protein_coding	chr1	974573	975108	+	1
	847	protein_coding	chr1	966502	975008	+	1
	848	protein_coding	chr1	966502	966614	+	1
	849	protein_coding	chr1	966532	966614	+	1
	850	protein_coding	chr1	966532	966534	+	1
	851	protein_coding	chr1	966704	966803	+	1
	852	protein_coding	chr1	966704	966803	+	1
	853	protein_coding	chr1	970277	970423	+	1
	854	<pre>protein_coding</pre>	chr1	970277	970423	+	1
	855	protein_coding	chr1	970521	970601	+	1
	856	protein_coding	chr1	970521	970601	+	1
	857	<pre>protein_coding</pre>	chr1	970686	971006	+	1
	858	<pre>protein_coding</pre>	chr1	970686	971006	+	1
	859	<pre>protein_coding</pre>	chr1	971077	971208	+	1
	860	<pre>protein_coding</pre>	chr1	971077	971208	+	1
	861	<pre>protein_coding</pre>	chr1	971324	971404	+	1
##	862	<pre>protein_coding</pre>	chr1	971324	971404	+	1

	863	<pre>protein_coding</pre>	chr1	972075	972150	+	1
##	864	protein_coding	chr1	972075	972150	+	1
##	865	<pre>protein_coding</pre>	chr1	972288	972424	+	1
##	866	protein_coding	chr1	972288	972424	+	1
##	867	protein_coding	chr1	972861	973010	+	1
##	868	protein_coding	chr1	972861	973010	+	1
##	869	protein_coding	chr1	973186	973326	+	1
##	870	protein_coding	chr1	973186	973326	+	1
##	871	protein_coding	chr1	973500	973640	+	1
##	872	protein_coding	chr1	973500	973640	+	1
##	873	protein_coding	chr1	973833	974051	+	1
##	874	protein_coding	chr1	973833	974051	+	1
##	875	protein_coding	chr1	974316	974364	+	1
##	876	protein_coding	chr1	974316	974364	+	1
##	877	protein_coding	chr1	974442	975008	+	1
	878	protein_coding	chr1	974442	974572	+	1
	879	protein_coding	chr1	974573	974575	+	1
	880	protein_coding	chr1	966502	966531	+	1
	881	protein_coding	chr1	974573	975008	+	1
	882	protein_coding	chr1	966502	975008	+	1
	883	protein_coding	chr1	966502	966614	+	1
	884	protein_coding	chr1	966532	966614	+	1
	885	protein_coding	chr1	966532	966534	+	1
	886	protein_coding	chr1	966704	966803	+	1
	887	protein_coding	chr1	966704	966803	+	1
	888	protein_coding	chr1	970277	970423	+	1
	889	protein_coding	chr1	970277	970423	+	1
	890		chr1	970521	970601	+	1
	891	protein_coding	chr1	970521	970601	+	1
	892	protein_coding		970686	970758	+	1
	893	protein_coding	chr1	970686	970758	+	1
	894	protein_coding	chr1				
	895	protein_coding	chr1	970879	971006 971006	+	1
		protein_coding	chr1	970879		+	1
	896	protein_coding	chr1	971077	971208	+	1
	897	protein_coding	chr1	971077	971208	+	1
	898	protein_coding	chr1	971324	971404	+	1
	899	protein_coding	chr1	971324	971404	+	1
	900	protein_coding	chr1	972075	972150	+	1
	901	protein_coding	chr1	972075	972150	+	1
	902	protein_coding	chr1	972288	972424	+	1
	903	protein_coding	chr1	972288	972424	+	1
	904	protein_coding	chr1	972861	973010	+	1
	905	protein_coding	chr1	972861	973010	+	1
	906	protein_coding	chr1	973500	973640	+	1
	907	protein_coding	chr1	973500	973640	+	1
	908	<pre>protein_coding</pre>	chr1	973833	974051	+	1
	909	protein_coding	chr1	973833	974051	+	1
	910	<pre>protein_coding</pre>	chr1	974316	974364	+	1
	911	<pre>protein_coding</pre>	chr1	974316	974364	+	1
	912	<pre>protein_coding</pre>	chr1	974442	975008	+	1
	913	<pre>protein_coding</pre>	chr1	974442	974572	+	1
	914	<pre>protein_coding</pre>	chr1	974573	974575	+	1
	915	<pre>protein_coding</pre>	chr1	966502	966531	+	1
##	916	<pre>protein_coding</pre>	chr1	974573	975008	+	1

##	917	<pre>protein_coding</pre>	chr1	975204	982093	-	1
##	918	<pre>protein_coding</pre>	chr1	975204	982093	-	1
##	919	<pre>protein_coding</pre>	chr1	982065	982093	-	1
##	920	<pre>protein_coding</pre>	chr1	981137	981173	-	1
##	921	<pre>protein_coding</pre>	chr1	981137	981166	-	1
##	922	protein_coding	chr1	981164	981166	-	1
##	923	protein_coding	chr1	978881	980657	_	1
##	924	protein_coding	chr1	978881	980657	_	1
##	925	protein_coding	chr1	976499	976624	-	1
##	926	protein_coding	chr1	976499	976624	_	1
##	927	protein_coding	chr1	975204	976269	_	1
##	928	protein_coding	chr1	976175	976269	-	1
##	929	protein_coding	chr1	976172	976174	-	1
##	930	protein_coding	chr1	982065	982093	-	1
##	931	protein_coding	chr1	981167	981173	-	1
##	932	protein_coding	chr1	975204	976174	_	1
##	933	protein_coding	chr1	975205	981029	_	1
##	934	protein_coding	chr1	978881	981029	_	1
##	935	protein_coding	chr1	978881	981029	_	1
##	936	protein_coding	chr1	981027	981029	_	1
##	937	protein_coding	chr1	976499	976624	_	1
##	938	protein_coding	chr1	976499	976624	_	1
	939	protein_coding	chr1	975205	976269	_	1
	940	protein_coding	chr1	976175	976269	_	1
	941	protein_coding	chr1	976172	976174	_	1
	942	protein_coding	chr1	975205	976174	_	1
	943	lncRNA	chr1	995966	998051	_	0
	944	lncRNA	chr1	995966	998051	_	0
	945	lncRNA	chr1	995966	998051	_	0
	946	protein_coding	chr1		1000172	_	1
	947	protein_coding	chr1		1000172	_	1
	948	protein_coding	chr1		1000172	_	1
	949	protein_coding	chr1	999692	999973	_	1
	950	protein_coding	chr1	999971	999973	_	1
	951	protein_coding	chr1	999526	999613	_	1
	952	protein_coding	chr1	999526	999613	_	1
	953	protein_coding	chr1	998962	999432	_	1
	954		chr1	999062	999432	_	1
		protein_coding					1
			chr1	aaansa	മമമറദി		
	955	protein_coding	chr1	999059	999061	_	
##	956	protein_coding	chr1	999974	1000172	- - -	1
## ##	956 957	protein_coding protein_coding	chr1 chr1	999974 998962	1000172 999061	- - -	1 1
## ## ##	956 957 958	protein_coding protein_coding protein_coding	chr1 chr1 chr1	999974 998962 998964	1000172 999061 1000111	- - -	1 1 1
## ## ## ##	956 957 958 959	protein_coding protein_coding protein_coding protein_coding	chr1 chr1 chr1 chr1	999974 998962 998964 999866	1000172 999061 1000111 1000111	- - - -	1 1 1
## ## ## ##	956 957 958 959 960	protein_coding protein_coding protein_coding protein_coding protein_coding	chr1 chr1 chr1 chr1 chr1	999974 998962 998964 999866 999866	1000172 999061 1000111 1000111 999973	- - - -	1 1 1 1
## ## ## ## ##	956 957 958 959 960 961	protein_coding protein_coding protein_coding protein_coding protein_coding protein_coding	chr1 chr1 chr1 chr1 chr1 chr1	999974 998962 998964 999866 999871	1000172 999061 1000111 1000111 999973 999973	- - - - -	1 1 1 1 1
## ## ## ## ## ##	956 957 958 959 960 961 962	protein_coding protein_coding protein_coding protein_coding protein_coding protein_coding protein_coding	chr1 chr1 chr1 chr1 chr1 chr1	999974 998962 998964 999866 999866 999971 999692	1000172 999061 1000111 1000111 999973 999973 999787	- - - - - -	1 1 1 1 1 1
## ## ## ## ## ##	956 957 958 959 960 961 962 963	protein_coding protein_coding protein_coding protein_coding protein_coding protein_coding protein_coding protein_coding protein_coding	chr1 chr1 chr1 chr1 chr1 chr1 chr1	999974 998962 998964 999866 999871 999692 999692	1000172 999061 1000111 1000111 999973 999787 999787	-	1 1 1 1 1 1 1
## ## ## ## ## ##	956 957 958 959 960 961 962 963 964	protein_coding	chr1 chr1 chr1 chr1 chr1 chr1 chr1 chr1	999974 998962 998964 999866 999871 999692 999692 999526	1000172 999061 1000111 1000111 999973 999787 999787 999613	- -	1 1 1 1 1 1 1
## ## ## ## ## ## ##	956 957 958 959 960 961 962 963 964	protein_coding	chr1 chr1 chr1 chr1 chr1 chr1 chr1 chr1	999974 998962 998964 999866 999871 999692 999692 999526 999526	1000172 999061 1000111 1000111 999973 999787 999787 999613 999613	- - -	1 1 1 1 1 1 1 1
## ## ## ## ## ## ##	956 957 958 959 960 961 962 963 964 965 966	protein_coding	chr1 chr1 chr1 chr1 chr1 chr1 chr1 chr1	999974 998962 998964 999866 999871 999692 999692 999526 999526 998964	1000172 999061 1000111 1000111 999973 999787 999787 999613 999613 999432	- -	1 1 1 1 1 1 1 1 1 1
## ## ## ## ## ## ##	956 957 958 959 960 961 962 963 964 965 966	protein_coding	chr1 chr1 chr1 chr1 chr1 chr1 chr1 chr1	999974 998962 998964 999866 999971 999692 999692 999526 999526 998964 999062	1000172 999061 1000111 1000111 999973 9999787 999787 999613 999613 999432 999432	- - -	1 1 1 1 1 1 1 1 1 1 1
## ## ## ## ## ## ## ##	956 957 958 959 960 961 962 963 964 965 966 967	protein_coding	chr1 chr1 chr1 chr1 chr1 chr1 chr1 chr1	999974 998962 998964 999866 999971 999692 999526 999526 999526 998964 999062 999059	1000172 999061 1000111 1000111 999973 9999787 999787 999613 999613 999432 999432	- - -	1 1 1 1 1 1 1 1 1 1 1
## ## ## ## ## ## ## ##	956 957 958 959 960 961 962 963 964 965 966	protein_coding	chr1 chr1 chr1 chr1 chr1 chr1 chr1 chr1	999974 998962 998964 999866 999971 999692 999526 999526 999526 998964 999062 999059	1000172 999061 1000111 1000111 999973 9999787 999787 999613 999613 999432 999432	- - -	1 1 1 1 1 1 1 1 1 1

```
## 971
                                                        998970
                                                                999981
                             protein_coding
                                                 chr1
                                                                                    1
## 972
                                                 chr1
                                                        999866
                                                                999981
                             protein_coding
                                                                                    1
## 973
                                                 chr1
                                                        999866
                                                                999973
                             protein_coding
## 974
                                                        999971
                             protein_coding
                                                 chr1
                                                                999973
                                                                                    1
## 975
                                                 chr1
                                                        999526
                                                                999613
                                                                                    1
                             protein_coding
                                                 chr1 999526
## 976
                                                                999613
                             protein_coding
                                                                                    1
## 977
                                                 chr1 998970
                                                                999432
                             protein_coding
                                                                                    1
## 978
                             protein_coding
                                                 chr1
                                                       999062
                                                                999432
                                                                                    1
## 979
                                                        999059
                                                                999061
                             protein_coding
                                                 chr1
                                                                                    1
## 980
                             protein_coding
                                                 chr1
                                                       999974
                                                                999981
                                                                                    1
## 981
                                                 chr1 998970
                                                                999061
                                                                                    1
                             protein_coding
                             protein_coding
                                                 chr1 1001138 1014540
## 982
                                                                                    1
                                                 chr1 1001138 1014540
  983
##
                                                                                    1
                             protein_coding
## 984
                             protein_coding
                                                 chr1 1001138 1001281
## 985
                                                 chr1 1008194 1008279
                             protein_coding
                                                                                    1
## 986
                                                 chr1 1013984 1014540
                             protein_coding
                                                                                    1
                                                 chr1 1014005 1014475
## 987
                                                                             +
                                                                                    1
                             protein_coding
## 988
                                                 chr1 1014005 1014007
                                                                                    1
                             protein_coding
                                                 chr1 1014476 1014478
## 989
                             protein_coding
                                                                                    1
                                                 chr1 1001138 1001281
## 990
                             protein_coding
                                                                                    1
## 991
                                                 chr1 1008194 1008279
                                                                                    1
                             protein_coding
                                                                             +
## 992
                                                 chr1 1013984 1014004
                                                                                    1
                             protein_coding
                                                 chr1 1014476 1014540
## 993
                             protein_coding
                                                                                    1
## 994
                                                 chr1 1013497 1014540
                                                                                    1
                             protein_coding
## 995
                             protein_coding
                                                 chr1 1013497 1013576
                                                                             +
                                                                                    1
## 996
                                                 chr1 1013574 1013576
                                                                                    1
                             protein_coding
                                                 chr1 1013574 1013576
## 997
                             protein_coding
                                                                                    1
                                                 chr1 1013984 1014540
## 998
                             protein_coding
                                                                                    1
## 999
                                                  chr1 1013984 1014475
                             protein_coding
                                                 chr1 1014476 1014478
## 1000
                             protein_coding
                                                                                    1
## 1001
                             protein_coding
                                                 chr1 1013497 1013573
## 1002
                                                 chr1 1014476 1014540
                                                                             +
                                                                                    1
                             protein_coding
## 1003
                                                 chr1 1008076 1008229
                       processed_pseudogene
                                                 chr1 1008076 1008229
## 1004
                                                                                    0
                       processed_pseudogene
## 1005
                                                 chr1 1008076 1008229
                                                                                    0
                       processed_pseudogene
                                                 chr1 1011997 1013193
## 1006
                                      lncRNA
                                                                                    0
## 1007
                                      lncRNA
                                                  chr1 1011997 1013193
## 1008
                                                 chr1 1012917 1013193
                                      lncRNA
                                                                                    0
## 1009
                                                 chr1 1011997 1012190
                                      lncRNA
                                                                                    0
                                                 chr1 1020120 1056118
## 1010
                             protein_coding
                                                                             +
                                                                                    1
## 1011
                                                 chr1 1020120 1056116
                                                                                    1
                             protein_coding
                                                 chr1 1020120 1020373
## 1012
                             protein_coding
                                                                                    1
                                                 chr1 1020173 1020373
## 1013
                             protein_coding
                                                                             +
                                                                                    1
## 1014
                                                 chr1 1020173 1020175
                             protein_coding
                                                                                    1
## 1015
                                                 chr1 1022201 1022462
                             protein_coding
                                                                                    1
## 1016
                                                 chr1 1022201 1022462
                             protein_coding
                                                                                    1
                                                 chr1 1035277 1035324
## 1017
                                                                             +
                                                                                    1
                             protein_coding
## 1018
                             protein_coding
                                                 chr1 1035277 1035324
## 1019
                                                 chr1 1040665 1040880
                                                                                    1
                             protein_coding
## 1020
                                                 chr1 1040665 1040880
                                                                                    1
                             protein_coding
## 1021
                                                 chr1 1041173 1041397
                             protein_coding
                                                                                    1
## 1022
                             protein_coding
                                                 chr1 1041173 1041397
## 1023
                                                 chr1 1041478 1041702
                                                                                    1
                             protein_coding
## 1024
                                                 chr1 1041478 1041702
                             protein_coding
```

##	1025	<pre>protein_coding</pre>	chr1	1041956	1042162	+	1
##	1026	<pre>protein_coding</pre>	chr1	1041956	1042162	+	1
##	1027	<pre>protein_coding</pre>	chr1	1043239	1043457	+	1
##	1028	protein_coding	chr1	1043239	1043457	+	1
##	1029	protein_coding	chr1	1043538	1043732	+	1
##	1030	protein_coding	chr1	1043538	1043732	+	1
##	1031	protein_coding	chr1	1043823	1044023	+	1
##	1032	protein_coding		1043823		+	1
##	1033	protein_coding		1044109		+	1
	1034	protein_coding		1044109		+	1
	1035	protein_coding		1044334		+	1
	1036	protein_coding		1044334		+	1
	1037	protein_coding		1045161		+	1
	1038	protein_coding		1045161		+	1
	1039	protein_coding		1045359		+	1
	1040	protein_coding protein_coding		1045359		+	1
	1040	protein_coding protein_coding		1045733		+	1
	1041	-		1045733		+	1
	1042	protein_coding		1045755		+	1
	1043	protein_coding		1045964		+	1
		protein_coding		1045964			
	1045	protein_coding				+	1
	1046	protein_coding		1046160		+	1
	1047	protein_coding		1046397		+	1
	1048	protein_coding		1046397		+	1
	1049	protein_coding		1046820		+	1
	1050	protein_coding		1046820		+	1
	1051	protein_coding		1047327		+	1
	1052	protein_coding		1047327		+	1
	1053	<pre>protein_coding</pre>		1047573		+	1
	1054	<pre>protein_coding</pre>		1047573		+	1
	1055	<pre>protein_coding</pre>		1047776		+	1
	1056	<pre>protein_coding</pre>		1047776		+	1
##	1057	<pre>protein_coding</pre>		1048012		+	1
##	1058	<pre>protein_coding</pre>		1048012		+	1
##	1059	<pre>protein_coding</pre>		1048867		+	1
##	1060	<pre>protein_coding</pre>	chr1	1048867	1049059	+	1
##	1061	<pre>protein_coding</pre>	chr1	1049236	1049451	+	1
##	1062	<pre>protein_coding</pre>	chr1	1049236	1049451	+	1
##	1063	<pre>protein_coding</pre>	chr1	1049566	1049795	+	1
##	1064	<pre>protein_coding</pre>	chr1	1049566	1049795	+	1
##	1065	<pre>protein_coding</pre>	chr1	1049903	1050037	+	1
##	1066	<pre>protein_coding</pre>	chr1	1049903	1050037	+	1
##	1067	protein_coding	chr1	1050233	1050329	+	1
##	1068	protein_coding	chr1	1050233	1050329	+	1
##	1069	protein_coding	chr1	1050427	1050591	+	1
##	1070	protein_coding	chr1	1050427	1050591	+	1
##	1071	protein_coding	chr1	1050726	1050837	+	1
##	1072	protein_coding		1050726		+	1
##	1073	protein_coding		1051253		+	1
	1074	protein_coding		1051253		+	1
	1075	protein_coding		1051453		+	1
	1076	protein_coding		1051453		+	1
	1077	protein_coding		1051728		+	1
	1078	protein_coding		1051728		+	1
				•			_

	1079	<pre>protein_coding</pre>		1053753		+	1
	1080	<pre>protein_coding</pre>		1053753		+	1
	1081	<pre>protein_coding</pre>		1054448		+	1
	1082	<pre>protein_coding</pre>		1054448		+	1
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##	1084	<pre>protein_coding</pre>	chr1	1054824	1054978	+	1
##	1085	<pre>protein_coding</pre>	chr1	1054979	1054981	+	1
##	1086	protein_coding	chr1	1020120	1020172	+	1
##	1087	protein_coding	chr1	1054979	1056116	+	1
##	1088	protein_coding	chr1	1020123	1056118	+	1
##	1089	protein_coding	chr1	1020123	1020373	+	1
##	1090	protein_coding	chr1	1022201	1022462	+	1
##	1091	protein_coding	chr1	1022414	1022462	+	1
##	1092	protein_coding	chr1	1022414	1022416	+	1
##	1093	protein_coding	chr1	1035277	1035324	+	1
##	1094	protein_coding		1035277		+	1
##	1095	protein_coding		1040665		+	1
	1096	protein_coding		1040665		+	1
	1097	protein_coding		1041173		+	1
	1098	protein_coding		1041173		+	1
	1099	protein_coding		1041478		+	1
	1100	protein_coding		1041478		+	1
	1101			1041476		+	1
	1102	protein_coding		1041956		+	1
	1102	protein_coding		1041936			
		protein_coding				+	1
	1104	protein_coding		1043239		+	1
	1105	protein_coding		1043538		+	1
	1106	protein_coding		1043538		+	1
	1107	protein_coding		1043823		+	1
	1108	protein_coding		1043823		+	1
	1109	<pre>protein_coding</pre>		1044109		+	1
	1110	<pre>protein_coding</pre>		1044109		+	1
	1111	<pre>protein_coding</pre>		1044334		+	1
	1112	<pre>protein_coding</pre>		1044334		+	1
##	1113	<pre>protein_coding</pre>		1045161		+	1
##	1114	<pre>protein_coding</pre>		1045161		+	1
##	1115	<pre>protein_coding</pre>	chr1	1045359	1045523	+	1
##	1116	<pre>protein_coding</pre>	chr1	1045359	1045523	+	1
##	1117	<pre>protein_coding</pre>	chr1	1045733	1045876	+	1
##	1118	protein_coding	chr1	1045733	1045876	+	1
##	1119	protein_coding	chr1	1045964	1046088	+	1
##	1120	protein_coding	chr1	1045964	1046088	+	1
##	1121	protein_coding	chr1	1046160	1046265	+	1
##	1122	protein_coding	chr1	1046160	1046265	+	1
##	1123	protein_coding	chr1	1046397	1046735	+	1
##	1124	protein_coding		1046397		+	1
##	1125	protein_coding		1046820		+	1
	1126	protein_coding		1046820		+	1
	1127	protein_coding		1047327		+	1
	1128	protein_coding		1047327		+	1
	1129	protein_coding		1047573		+	1
	1130	protein_coding		1047573		+	1
	1131	protein_coding		1047776		+	1
	1132	protein_coding protein_coding		1047776		+	1
##	1102	broceru-couring	CIII I	10-11110	TO-1030	'	1

```
## 1133
                                                 chr1 1048012 1048365
                             protein_coding
                                                                                    1
                                                 chr1 1048012 1048365
## 1134
                                                                                    1
                             protein_coding
## 1135
                             protein_coding
                                                 chr1 1048867 1049059
## 1136
                                                 chr1 1048867 1049059
                             protein_coding
                                                                                    1
## 1137
                             protein_coding
                                                 chr1 1049236 1049451
                                                                                    1
## 1138
                                                 chr1 1049236 1049451
                             protein_coding
                                                                             +
                                                                                    1
## 1139
                                                 chr1 1049566 1049795
                             protein_coding
                                                                                    1
## 1140
                             protein_coding
                                                 chr1 1049566 1049795
                                                                             +
                                                                                    1
## 1141
                                                 chr1 1049903 1050037
                             protein_coding
                                                                                    1
## 1142
                             protein_coding
                                                 chr1 1049903 1050037
                                                                                    1
## 1143
                                                 chr1 1050233 1050329
                                                                                    1
                             protein_coding
                                                 chr1 1050233 1050329
## 1144
                             protein_coding
                                                                                    1
## 1145
                                                 chr1 1050427 1050591
                                                                             +
                                                                                    1
                             protein_coding
## 1146
                             protein_coding
                                                 chr1 1050427 1050591
## 1147
                                                 chr1 1050726 1050837
                             protein_coding
                                                                             +
                                                                                    1
## 1148
                                                 chr1 1050726 1050837
                             protein_coding
## 1149
                                                 chr1 1051032 1051043
                                                                             +
                                                                                    1
                             protein_coding
## 1150
                                                 chr1 1051032 1051043
                             protein_coding
## 1151
                                                 chr1 1051253 1051369
                             protein_coding
                                                                             +
                                                                                    1
## 1152
                             protein_coding
                                                 chr1 1051253 1051369
                                                                                    1
## 1153
                                                 chr1 1051453 1051645
                                                                             +
                                                                                    1
                             protein_coding
## 1154
                                                 chr1 1051453 1051645
                             protein_coding
## 1155
                                                 chr1 1051728 1051815
                             protein_coding
                                                                             +
                                                                                    1
                                                 chr1 1051728 1051815
## 1156
                                                                                    1
                             protein_coding
                                                 chr1 1051993 1052016
## 1157
                             protein_coding
                                                                             +
                                                                                    1
## 1158
                                                 chr1 1051993 1052016
                                                                                    1
                             protein_coding
## 1159
                                                 chr1 1053461 1053493
                             protein_coding
                                                                                    1
## 1160
                                                 chr1 1053461 1053493
                                                                                    1
                             protein_coding
                                                 chr1 1053753 1053977
## 1161
                             protein_coding
## 1162
                                                 chr1 1053753 1053977
                             protein_coding
                                                                                    1
## 1163
                             protein_coding
                                                 chr1 1054448 1054551
                                                                                    1
## 1164
                                                 chr1 1054448 1054551
                                                                             +
                                                                                    1
                             protein_coding
## 1165
                                                 chr1 1054824 1056118
                             protein_coding
## 1166
                                                 chr1 1054824 1054978
                                                                             +
                                                                                    1
                             protein_coding
## 1167
                                                 chr1 1054979 1054981
                             protein_coding
                                                                                    1
                                                 chr1 1020123 1020373
## 1168
                                                                             +
                                                                                    1
                             protein_coding
## 1169
                             protein_coding
                                                 chr1 1022201 1022413
## 1170
                                                 chr1 1054979 1056118
                                                                             +
                             protein_coding
                                                                                    1
## 1171
                                                 chr1 1055033 1056116
                                      lncRNA
                                                                                    0
## 1172
                                                 chr1 1055033 1056116
                                     lncRNA
                                                                                    0
                                                                             +
## 1173
                                     lncRNA
                                                 chr1 1055033 1055215
## 1174
                                                 chr1 1055898 1056116
                                     lncRNA
                                                                             +
                                                                                    0
## 1175 transcribed_unprocessed_pseudogene
                                                 chr1 1059708 1069355
                                                                             +
                                                                                    0
                                                 chr1 1059708 1066459
                                                                                    0
  1176 transcribed_unprocessed_pseudogene
                                                 chr1 1059708 1059782
                                                                                    0
## 1177 transcribed_unprocessed_pseudogene
                                                 chr1 1060277 1060393
## 1178 transcribed_unprocessed_pseudogene
                                                                                    0
## 1179 transcribed_unprocessed_pseudogene
                                                 chr1 1061020 1061117
                                                                             +
                                                                                    0
  1180 transcribed_unprocessed_pseudogene
                                                 chr1 1063079 1063201
                                                                             +
                                                                                    0
                                                 chr1 1065830 1066459
                                                                             +
                                                                                    0
  1181 transcribed_unprocessed_pseudogene
## 1182 transcribed_unprocessed_pseudogene
                                                 chr1 1063079 1069355
                                                                                    0
                                                 chr1 1063079 1063201
                                                                             +
                                                                                    0
## 1183 transcribed_unprocessed_pseudogene
## 1184 transcribed_unprocessed_pseudogene
                                                 chr1 1063480 1063566
                                                                                    0
                                                 chr1 1064210 1064401
                                                                                    0
## 1185 transcribed_unprocessed_pseudogene
## 1186 transcribed_unprocessed_pseudogene
                                                 chr1 1064490 1064589
                                                                                    0
```

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		transcribed_unprocessed_pseudogene		1065352		+	0
		transcribed_unprocessed_pseudogene		1066587		+	0
		transcribed_unprocessed_pseudogene		1067566		+	0
		transcribed_unprocessed_pseudogene		1067869		+	0
		${\tt transcribed\_unprocessed\_pseudogene}$		1068577		+	0
##	1192	${\tt transcribed\_unprocessed\_pseudogene}$		1069208		+	0
##	1193	lncRNA	chr1	1062208	1063288	_	0
##	1194	lncRNA	chr1	1062208	1063288	-	0
##	1195	lncRNA	chr1	1063061	1063288	-	0
##	1196	lncRNA	chr1	1062208	1062808	-	0
##	1197	<pre>protein_coding</pre>	chr1	1070967	1074306	-	1
##	1198	protein_coding	chr1	1070967	1074306	_	1
##	1199	protein_coding	chr1	1074016	1074306	_	1
##	1200	protein_coding	chr1	1070967	1072575	_	1
##	1201	protein_coding	chr1	1071820	1072566	-	1
##	1202	protein_coding	chr1	1072564	1072566	_	1
##	1203	protein_coding	chr1	1071817	1071819	_	1
##	1204	protein_coding	chr1	1074016	1074306	_	1
##	1205	protein_coding	chr1	1070967	1071819	_	1
	1206	protein_coding		1072567		_	1
##	1207	protein_coding		1081818		_	1
##	1208	protein_coding		1081818		_	1
	1209	protein_coding		1116060		_	1
	1210	protein_coding		1115022		_	1
	1211	protein_coding		1091991		_	1
	1212	protein_coding		1091472		_	1
	1213	protein_coding		1091472		_	1
	1214	protein_coding		1091541		_	1
	1215	protein_coding protein_coding		1091341		_	1
	1216			1090876		_	1
	1217	protein_coding		1090370		_	1
	1217	protein_coding		1090353		_	
		protein_coding		1090353		_	1
	1219	protein_coding				_	1
	1220	protein_coding		1087502		_	1
	1221	protein_coding		1087139		_	1
	1222	protein_coding		1087139		_	1
	1223	protein_coding		1085878		_	1
	1224	protein_coding		1085878		_	1
	1225	protein_coding		1084481		_	1
	1226	protein_coding		1084481		_	1
	1227	protein_coding		1083915		-	1
	1228	<pre>protein_coding</pre>		1083915		-	1
	1229	<pre>protein_coding</pre>		1081818		-	1
	1230	<pre>protein_coding</pre>		1082896		_	1
	1231	<pre>protein_coding</pre>		1082893		-	1
##	1232	<pre>protein_coding</pre>		1116060		_	1
	1233	<pre>protein_coding</pre>		1115022		-	1
	1234	<pre>protein_coding</pre>		1091991		-	1
##	1235	<pre>protein_coding</pre>	chr1	1091544	1091565	-	1
##	1236	<pre>protein_coding</pre>	chr1	1081818	1082895	-	1
##	1237	<pre>protein_coding</pre>	chr1	1081823	1116098	-	1
##	1238	protein_coding	chr1	1116060	1116098	-	1
##	1239	protein_coding	chr1	1091991	1092103	_	1
##	1240	protein_coding	chr1	1091472	1091565	-	1
		_					

	1241	<pre>protein_coding</pre>		1091472		-	1
##	1242	<pre>protein_coding</pre>	chr1	1091541	1091543	_	1
##	1243	<pre>protein_coding</pre>	chr1	1090353	1090428	-	1
##	1244	protein_coding	chr1	1090353	1090428	-	1
##	1245	protein_coding	chr1	1087502	1087597	_	1
##	1246	protein_coding	chr1	1087502	1087597	-	1
##	1247	protein_coding	chr1	1087139	1087204	_	1
##	1248	protein_coding	chr1	1087139	1087204	_	1
##	1249	protein_coding	chr1	1085878	1086012	_	1
##	1250	protein_coding		1085878		_	1
##	1251	protein_coding	chr1	1084481	1084506	_	1
##	1252	protein_coding		1084481		_	1
##	1253	protein_coding		1084353		_	1
##	1254	protein_coding		1084353		_	1
	1255	protein_coding		1081823		_	1
	1256	protein_coding		1082896		_	1
	1257	protein_coding		1082893		_	1
	1258	protein_coding		1116060		_	1
	1259	protein_coding		1091991		_	1
	1260	protein_coding		1091544		_	1
	1261	protein_coding		1081823		_	1
	1262	protein_coding		1081025		_	1
	1263			1002233		_	1
	1264	protein_coding		1091472		_	1
	1265	protein_coding		1091472		_	1
	1266	protein_coding		1091341		_	1
	1267	protein_coding		1090353		_	1
	1268	protein_coding				_	
		protein_coding		1087502		_	1
	1269	protein_coding		1087502		-	1
	1270	protein_coding		1087139		-	1
	1271	protein_coding		1087139		-	1
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	1276	protein_coding		1083915		_	1
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	1280	<pre>protein_coding</pre>		1082893		_	1
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##	1285	<pre>protein_coding</pre>		1091991		-	1
	1286	<pre>protein_coding</pre>		1091472		-	1
	1287	<pre>protein_coding</pre>		1091472		-	1
	1288	<pre>protein_coding</pre>		1091541		-	1
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##	1290	<pre>protein_coding</pre>		1090353		-	1
##	1291	<pre>protein_coding</pre>	chr1	1087502	1087597	-	1
##	1292	<pre>protein_coding</pre>	chr1	1087502	1087597	-	1
##	1293	<pre>protein_coding</pre>		1087139		-	1
##	1294	<pre>protein_coding</pre>	chr1	1087139	1087204	-	1

##	1295	protein_coding	chr1	1085878	1086012	_	1
##	1296	protein_coding	chr1	1085878	1086012	_	1
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##	1298	protein_coding	chr1	1084481	1084506	_	1
##	1299	protein_coding	chr1	1084353	1084383	_	1
##	1300	protein_coding	chr1	1084353	1084383	-	1
##	1301	protein_coding	chr1	1082700	1082987	-	1
##	1302	protein_coding	chr1	1082896	1082987	_	1
##	1303	protein_coding	chr1	1082893	1082895	_	1
##	1304	protein_coding	chr1	1105956	1106127	_	1
##	1305	protein_coding	chr1	1091991	1092103	_	1
##	1306	protein_coding	chr1	1091544	1091565	_	1
##	1307	protein_coding	chr1	1082700	1082895	_	1
##	1308	lncRNA	chr1	1097585	1104598	+	0
##	1309	lncRNA	chr1	1097585	1104598	+	0
##	1310	lncRNA	chr1	1097585	1098113	+	0
##	1311	lncRNA		1104033		+	0
	1312	lncRNA		1137017		+	1
	1313	lncRNA		1137017		+	1
##	1314	lncRNA	chr1	1137017	1137110	+	1
##	1315	lncRNA	chr1	1140825	1141032	+	1
	1316	lncRNA	chr1	1142739	1144056	+	1
##	1317	miRNA	chr1	1167104	1167198	+	1
##	1318	miRNA	chr1	1167104	1167198	+	1
	1319	miRNA	chr1	1167104	1167198	+	1
	1320	miRNA		1167863		+	1
	1321	miRNA		1167863		+	1
	1322	miRNA		1167863		+	1
	1323	miRNA		1169005		+	1
	1324	miRNA		1169005		+	1
	1325	miRNA		1169005		+	1
	1326	lncRNA		1169357		+	0
	1327	lncRNA		1169357		+	0
	1328	lncRNA		1169357		+	0
	1329	lncRNA		1173056		_	1
	1330	lncRNA		1173056		_	1
	1331	lncRNA		1179365		_	1
	1332	lncRNA		1173056		_	1
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	1339	protein_coding		1179216		+	1
	1340	protein_coding		1179216		+	1
	1341	protein_coding		1179657		+	1
	1342	protein_coding		1179657		+	1
	1343	protein_coding		1180034		+	1
	1344	protein_coding		1180034		+	1
	1345	protein_coding		1180483		+	1
	1346	protein_coding		1180483		+	1
	1347	protein_coding		1180731		+	1
	1348	protein_coding		1180731		+	1
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	1349	<pre>protein_coding</pre>		1181741		+	1
	1350	<pre>protein_coding</pre>		1181741		+	1
	1351	<pre>protein_coding</pre>		1182361		+	1
	1352	<pre>protein_coding</pre>		1182361		+	1
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##	1354	<pre>protein_coding</pre>		1182876		+	1
##	1355	<pre>protein_coding</pre>	chr1	1183920	1184091	+	1
##	1356	<pre>protein_coding</pre>	chr1	1183920	1184091	+	1
##	1357	protein_coding	chr1	1184969	1185109	+	1
##	1358	<pre>protein_coding</pre>	chr1	1184969	1185109	+	1
##	1359	<pre>protein_coding</pre>	chr1	1196600	1196716	+	1
##	1360	<pre>protein_coding</pre>	chr1	1196600	1196716	+	1
##	1361	protein_coding	${\tt chr1}$	1197093	1197186	+	1
##	1362	protein_coding	chr1	1197093	1197186	+	1
##	1363	protein_coding	chr1	1197438	1197935	+	1
##	1364	protein_coding	chr1	1197438	1197844	+	1
##	1365	protein_coding	chr1	1197845	1197847	+	1
##	1366	protein_coding	chr1	1173903	1173926	+	1
##	1367	protein_coding	chr1	1174266	1174321	+	1
##	1368	protein_coding	chr1	1174424	1174489	+	1
##	1369	protein_coding	chr1	1179189	1179215	+	1
##	1370	protein_coding	chr1	1197845	1197935	+	1
##	1371	protein_coding	chr1	1173906	1197933	+	1
##	1372	protein_coding	chr1	1173906	1173926	+	1
##	1373	protein_coding		1174285		+	1
##	1374	protein_coding		1174424		+	1
##	1375	protein_coding		1179189		+	1
##	1376	protein_coding		1179216		+	1
	1377	protein_coding		1179216		+	1
	1378	protein_coding		1179657		+	1
	1379	protein_coding		1179657		+	1
	1380	protein_coding		1180034		+	1
	1381	protein_coding		1180034		+	1
##	1382	protein_coding		1180483		+	1
	1383	protein_coding		1180483		+	1
	1384	protein_coding		1180731		+	1
	1385	protein_coding		1180731		+	1
	1386	protein_coding		1181741		+	1
	1387	protein_coding		1181741		+	1
	1388	protein_coding		1182361		+	1
	1389	protein_coding		1182361		+	1
	1390	protein_coding		1182876		+	1
	1391	protein_coding		1182876		+	1
	1392	protein_coding		1183920		+	1
	1393	protein_coding		1183920		+	1
	1394	protein_coding		1184969		+	1
	1395	-		1184969		+	1
	1396	protein_coding		1196600		+	1
	1397	protein_coding		1196600		+	1
	1398	protein_coding		1197093		+	1
	1398	protein_coding		1197093		+	
	1400	protein_coding				+	1
	1400	protein_coding		1197438 1197438		+	1
		protein_coding					
##	1402	<pre>protein_coding</pre>	cnrl	1197845	119/04/	+	1

##	1403	<pre>protein_coding</pre>		1173906		+	1
##	1404	<pre>protein_coding</pre>	chr1	1174285	1174321	+	1
##	1405	<pre>protein_coding</pre>	chr1	1174424	1174489	+	1
##	1406	<pre>protein_coding</pre>	chr1	1179189	1179215	+	1
##	1407	<pre>protein_coding</pre>	chr1	1197845	1197933	+	1
##	1408	protein_coding	${\tt chr1}$	1179697	1185864	+	1
##	1409	protein_coding	chr1	1179697	1179853	+	1
##	1410	protein_coding	chr1	1180034	1180340	+	1
##	1411	protein_coding	chr1	1180054	1180340	+	1
##	1412	protein_coding	chr1	1180054	1180056	+	1
##	1413	protein_coding	chr1	1180483	1180601	+	1
##	1414	protein_coding	chr1	1180483	1180601	+	1
##	1415	protein_coding	chr1	1180731	1180860	+	1
##	1416	protein_coding	chr1	1180731	1180860	+	1
##	1417	protein_coding	chr1	1181741	1181815	+	1
##	1418	protein_coding	chr1	1181741	1181815	+	1
##	1419	protein_coding	chr1	1182361	1182446	+	1
##	1420	protein_coding	chr1	1182361	1182446	+	1
##	1421	protein_coding		1182876		+	1
##	1422	protein_coding		1182876		+	1
##	1423	protein_coding		1183920		+	1
##	1424	protein_coding		1183920		+	1
##	1425	protein_coding		1184969		+	1
	1426	protein_coding		1184969		+	1
	1427	protein_coding		1185140		+	1
	1428	protein_coding		1179697		+	1
	1429	protein_coding		1180034		+	1
	1430	protein_coding		1185140		+	1
	1431	protein_coding		1203508		_	1
	1432	protein_coding		1203508		_	1
	1433	protein_coding		1206385		_	1
	1434	protein_coding		1206385		_	1
	1435	protein_coding		1206569		_	1
	1436			1205370		_	1
	1437	protein_coding		1205370		_	1
	1438	protein_coding		1203370		_	1
	1439	protein_coding		1204399		_	1
	1440	protein_coding		1204599		_	
	1441	protein_coding				_	1
		protein_coding		1203594		_	1
	1442	protein_coding		1203591		_	1
	1443	protein_coding		1203508		_	1
	1444	protein_coding		1203508		_	1
	1445	protein_coding		1206385		_	1
	1446	protein_coding		1206385		_	1
	1447	protein_coding		1206569		_	1
	1448	protein_coding		1205370		_	1
	1449	protein_coding		1205370		-	1
	1450	protein_coding		1204399		-	1
	1451	protein_coding		1204399		_	1
	1452	protein_coding		1204034		_	1
	1453	protein_coding		1204034		-	1
	1454	protein_coding		1203508		_	1
	1455	protein_coding		1203847		_	1
##	1456	<pre>protein_coding</pre>	chr1	1203844	1203846	_	1

##	1457	<pre>protein_coding</pre>	chr1	1206572	1206592	-	1
##	1458	<pre>protein_coding</pre>	chr1	1203508	1203846	-	1
##	1459	<pre>protein_coding</pre>	chr1	1203844	1205680	-	1
##	1460	<pre>protein_coding</pre>	chr1	1205370	1205680	-	1
##	1461	protein_coding	chr1	1205370	1205463	-	1
##	1462	protein_coding	chr1	1205461	1205463	-	1
##	1463	protein_coding	chr1	1204399	1204486	-	1
##	1464	protein_coding	chr1	1204399	1204486	_	1
##	1465	protein_coding	chr1	1204034	1204236	_	1
##	1466	protein_coding	chr1	1204034	1204236	_	1
##	1467	protein_coding		1203844		_	1
	1468	protein_coding		1203847		_	1
	1469	protein_coding		1203844		_	1
	1470	protein_coding		1205464		_	1
	1471	protein_coding		1203844		_	1
	1472	protein_coding		1203844		_	1
	1473	protein_coding		1206385		_	1
	1474	protein_coding		1206385		_	1
	1475	protein_coding protein_coding		1206569		_	1
	1476	protein_coding protein_coding		1205370		_	1
	1477	protein_coding protein_coding		1205370		_	1
	1478	protein_coding protein_coding		1203370		_	1
	1479			1204399			
	1480	protein_coding		1204399		_	1
		protein_coding				_	1
	1481	protein_coding		1204055		_	1
	1482	protein_coding		1203844		_	1
	1483	protein_coding		1203847		_	1
	1484	protein_coding		1203844		_	1
	1485	protein_coding		1203844		-	1
	1486	protein_coding		1211340		-	1
	1487	protein_coding		1211340		-	1
	1488	<pre>protein_coding</pre>		1213983		-	1
	1489	<pre>protein_coding</pre>		1213983		-	1
	1490	<pre>protein_coding</pre>		1214125		-	1
	1491	<pre>protein_coding</pre>		1213663		-	1
	1492	<pre>protein_coding</pre>		1213663		-	1
##	1493	<pre>protein_coding</pre>		1212992		-	1
##	1494	<pre>protein_coding</pre>	chr1	1212992	1213093	-	1
##	1495	<pre>protein_coding</pre>	chr1	1212638	1212704	-	1
##	1496	<pre>protein_coding</pre>	chr1	1212638	1212704	-	1
##	1497	<pre>protein_coding</pre>	${\tt chr1}$	1211942	1212138	-	1
##	1498	protein_coding	chr1	1211942	1212138	_	1
##	1499	protein_coding	chr1	1211704	1211832	-	1
##	1500	protein_coding	chr1	1211704	1211832	-	1
##	1501	protein_coding	chr1	1211340	1211625	-	1
##	1502	protein_coding	chr1	1211558	1211625	-	1
##	1503	protein_coding		1211555		_	1
	1504	protein_coding		1214128		_	1
	1505	protein_coding		1211340		_	1
	1506	protein_coding		1216908		_	1
	1507	protein_coding		1216908		_	1
	1508	protein_coding		1231892		_	1
	1509	protein_coding		1228468		_	1
	1510	protein_coding		1228468		_	1
		1		,_,			-

	1511	<pre>protein_coding</pre>		1228770		-	1
	1512	<pre>protein_coding</pre>		1223832		-	1
	1513	<pre>protein_coding</pre>		1223832		-	1
##	1514	<pre>protein_coding</pre>	chr1	1223244	1223357	-	1
##	1515	<pre>protein_coding</pre>	chr1	1223244	1223357	-	1
##	1516	protein_coding	chr1	1218769	1218927	-	1
##	1517	protein_coding	chr1	1218769	1218927	-	1
##	1518	protein_coding	chr1	1218458	1218633	-	1
##	1519	protein_coding	chr1	1218458	1218633	-	1
##	1520	protein_coding	chr1	1216908	1217688	-	1
##	1521	protein_coding	chr1	1217515	1217688	-	1
##	1522	protein_coding	chr1	1217512	1217514	-	1
##	1523	protein_coding	chr1	1231892	1232001	-	1
##	1524	protein_coding	chr1	1228773	1228946	-	1
##	1525	protein_coding	chr1	1216908	1217514	-	1
##	1526	protein_coding	chr1	1216909	1232067	-	1
##	1527	protein_coding	chr1	1231892	1232067	_	1
##	1528	protein_coding	chr1	1228468	1228946	_	1
##	1529	protein_coding		1228468		_	1
##	1530	protein_coding		1228791		_	1
##	1531	protein_coding		1223832		_	1
##	1532	protein_coding		1223832		_	1
	1533	protein_coding		1223244		_	1
	1534	protein_coding		1223244		_	1
	1535	protein_coding		1218769		_	1
	1536	protein_coding		1218769		_	1
	1537	protein_coding		1218458		_	1
	1538	protein_coding		1218458		_	1
	1539	protein_coding		1216909		_	1
	1540	protein_coding		1217673		_	1
	1541	protein_coding		1217670		_	1
	1542	protein_coding		1231892		_	1
	1543			1228794		_	1
	1544	protein_coding		1216909		_	1
	1545	protein_coding		1216931		_	1
	1546	protein_coding		1231892			1
	1547	protein_coding		1228468		_	1
		protein_coding		1228468			
	1548 1549	protein_coding				_	1
		protein_coding		1228770 1223832		_	1
	1550 1551	protein_coding		1223832		_	1
		protein_coding				_	1
	1552	protein_coding		1223244		_	1
	1553	protein_coding		1223244		_	1
	1554	protein_coding		1218769		-	1
	1555	protein_coding		1218769		_	1
	1556	protein_coding		1218458		-	1
	1557	protein_coding		1218458		-	1
	1558	protein_coding		1216931		-	1
	1559	protein_coding		1217673		-	1
	1560	protein_coding		1217670		-	1
	1561	<pre>protein_coding</pre>		1231892		-	1
	1562	protein_coding		1228773		-	1
	1563	<pre>protein_coding</pre>		1216931		-	1
##	1564	<pre>protein_coding</pre>	chr1	1217512	1228793	-	1

	1565	protein_coding		1228468		-	1
	1566	<pre>protein_coding</pre>		1228468		-	1
	1567	<pre>protein_coding</pre>		1228791		-	1
	1568	<pre>protein_coding</pre>		1223832		-	1
##	1569	<pre>protein_coding</pre>	chr1	1223832	1223968	-	1
##	1570	<pre>protein_coding</pre>	chr1	1223244	1223357	-	1
##	1571	protein_coding	chr1	1223244	1223357	-	1
##	1572	protein_coding	chr1	1218769	1218927	-	1
##	1573	protein_coding	chr1	1218769	1218927	=	1
##	1574	protein_coding	chr1	1218458	1218633	=	1
##	1575	protein_coding	chr1	1218458	1218633	-	1
##	1576	protein_coding	chr1	1217512	1217688	-	1
##	1577	protein_coding	chr1	1217515	1217688	-	1
##	1578	protein_coding	chr1	1217512	1217514	_	1
##	1579	protein_coding	chr1	1217512	1217514	_	1
##	1580	protein_coding	chr1	1232237	1235041	+	1
##	1581	protein_coding	chr1	1232237	1235041	+	1
##	1582	protein_coding	chr1	1232237	1235041	+	1
	1583	protein_coding		1232279		+	1
##	1584	protein_coding		1232279		+	1
	1585	protein_coding		1233266		+	1
	1586	protein_coding		1232237		+	1
	1587	protein_coding		1233266		+	1
	1588	protein_coding		1242446		_	1
	1589	protein_coding		1242453		_	1
	1590	protein_coding		1246514		_	1
	1591	protein_coding		1246514		_	1
	1592	protein_coding		1246688		_	1
	1593			1244381		_	1
	1594	protein_coding		1244381		_	1
	1595	protein_coding		1244191		_	1
	1596	protein_coding		1244191		_	1
	1597	protein_coding		1243954			1
	1598	protein_coding		1243954		_	1
		protein_coding		1243934		_	
	1599	protein_coding				_	1
	1600	protein_coding		1243444		_	1
	1601	protein_coding		1243062		_	1
	1602	protein_coding		1243062		-	1
	1603	protein_coding		1242835		_	1
	1604	protein_coding		1242835		_	1
	1605	protein_coding		1242453		-	1
	1606	protein_coding		1242551		-	1
	1607	protein_coding		1242548		-	1
	1608	protein_coding		1246691		-	1
	1609	<pre>protein_coding</pre>		1242453		-	1
	1610	lncRNA		1249777		_	0
	1611	${\tt lncRNA}$		1249777		-	0
	1612	lncRNA		1249777		-	0
	1613	<pre>protein_coding</pre>		1253909		-	1
	1614	<pre>protein_coding</pre>		1253914		_	1
	1615	<pre>protein_coding</pre>		1273666		_	1
##	1616	<pre>protein_coding</pre>	chr1	1267733	1267992	-	1
	1617	<pre>protein_coding</pre>		1263346		-	1
##	1618	<pre>protein_coding</pre>	chr1	1263346	1263361	-	1

##	1619	<pre>protein_coding</pre>	chr1	1263359	1263361	-	1
##	1620	<pre>protein_coding</pre>	chr1	1257208	1257310	-	1
##	1621	protein_coding	chr1	1257208	1257310	-	1
##	1622	protein_coding	chr1	1256992	1257130	_	1
##	1623	protein_coding	chr1	1256992	1257130	-	1
##	1624	protein_coding	chr1	1256045	1256125	_	1
##	1625	protein_coding	chr1	1256045	1256125	_	1
##	1626	protein_coding		1253914		_	1
##	1627	protein_coding		1255206		_	1
	1628	protein_coding		1255203		_	1
	1629	protein_coding		1273666		_	1
	1630	protein_coding		1267733		_	1
	1631	protein_coding		1263362		_	1
	1632	protein_coding		1253914		_	1
	1633	protein_coding		1254470		_	1
	1634	protein_coding		1273666		_	1
	1635			1267862		_	1
	1636	protein_coding		1267862		_	1
	1637	protein_coding		1267990		_	1
	1638	protein_coding		1267990		_	
		protein_coding		1263346		_	1
	1639	protein_coding				_	1
	1640	protein_coding		1257208		-	1
	1641	protein_coding		1257208		_	1
	1642	protein_coding		1256992		_	1
	1643	protein_coding		1256992		-	1
	1644	protein_coding		1256045		-	1
	1645	<pre>protein_coding</pre>		1256045		-	1
	1646	<pre>protein_coding</pre>		1254470		_	1
	1647	<pre>protein_coding</pre>		1255206		_	1
	1648	<pre>protein_coding</pre>		1255203		-	1
	1649	<pre>protein_coding</pre>		1273666		-	1
##	1650	<pre>protein_coding</pre>	chr1	1254470	1255205	-	1
##	1651	<pre>protein_coding</pre>		1254985		_	1
##	1652	<pre>protein_coding</pre>	chr1	1273666	1273855	-	1
##	1653	<pre>protein_coding</pre>	chr1	1263346	1263386	-	1
##	1654	protein_coding	chr1	1263346	1263361	-	1
##	1655	protein_coding	chr1	1263359	1263361	-	1
##	1656	protein_coding	chr1	1257208	1257310	_	1
##	1657	protein_coding	chr1	1257208	1257310	_	1
##	1658	protein_coding	chr1	1256992	1257130	-	1
##	1659	protein_coding	chr1	1256992	1257130	-	1
##	1660	protein_coding	chr1	1256045	1256125	-	1
##	1661	protein_coding	chr1	1256045	1256125	_	1
##	1662	protein_coding	chr1	1254985	1255487	_	1
##	1663	protein_coding	chr1	1255206	1255487	_	1
##	1664	protein_coding		1255203		_	1
	1665	protein_coding		1273666		_	1
	1666	protein_coding		1263362		_	1
	1667	protein_coding		1254985		_	1
	1668	protein_coding		1255164		_	1
	1669	protein_coding		1273499		_	1
	1670	protein_coding		1267862		_	1
	1671	protein_coding		1267862		_	1
	1672	protein_coding		1267990		_	1
ππ	10.2	Lrogorn-couring	O111 1	1201000	-201002		_

##	1673	<pre>protein_coding</pre>		1263346		-	1
##	1674	<pre>protein_coding</pre>	chr1	1263346	1263386	-	1
##	1675	<pre>protein_coding</pre>	chr1	1257208	1257310	-	1
##	1676	protein_coding	chr1	1257208	1257310	-	1
##	1677	protein_coding	chr1	1256992	1257130	-	1
##	1678	protein_coding	chr1	1256992	1257130	-	1
##	1679	protein_coding	chr1	1256045	1256125	-	1
##	1680	protein_coding	chr1	1256045	1256125	_	1
##	1681	protein_coding	chr1	1255164	1255487	_	1
##	1682	protein_coding		1255206		_	1
##	1683	protein_coding		1255203		_	1
##	1684	protein_coding		1273499		_	1
##	1685	protein_coding		1255164		_	1
	1686	protein_coding		1255178		_	1
	1687	protein_coding		1273666		_	1
	1688	protein_coding		1267862		_	1
	1689	protein_coding		1267862		_	1
	1690	protein_coding		1267990		_	1
	1691	protein_coding		1264783		_	1
	1692	protein_coding		1264783		_	1
	1693	protein_coding		1263346		_	1
	1694	protein_coding		1263346		_	1
	1695	protein_coding protein_coding		1257208		_	1
	1696			1257208		_	1
	1697	protein_coding		1256992		_	1
	1698	protein_coding		1256992		_	1
	1699	protein_coding		1256992		_	1
	1700	protein_coding		1256045		_	1
		protein_coding				_	
	1701	protein_coding		1255178		_	1
	1702	protein_coding		1255206		_	1
	1703	protein_coding		1255203		_	1
	1704	protein_coding		1273666		_	1
	1705	protein_coding		1255178		_	1
	1706	lncRNA		1275223		+	1
	1707	lncRNA		1275223		+	1
	1708	lncRNA		1275223		+	1
	1709	lncRNA		1279068		+	1
	1710	lncRNA		1280311		+	1
	1711	lncRNA		1275237		+	1
	1712	lncRNA		1275237		+	1
	1713	lncRNA		1279068		+	1
	1714	<pre>protein_coding</pre>		1280436		+	1
	1715	<pre>protein_coding</pre>		1280436		+	1
	1716	<pre>protein_coding</pre>		1280436		+	1
	1717	<pre>protein_coding</pre>		1280662		+	1
##	1718	<pre>protein_coding</pre>		1280662		+	1
	1719	<pre>protein_coding</pre>		1281226		+	1
	1720	<pre>protein_coding</pre>		1281226		+	1
##	1721	<pre>protein_coding</pre>		1281411		+	1
##	1722	<pre>protein_coding</pre>		1281411		+	1
##	1723	<pre>protein_coding</pre>	chr1	1282242	1282315	+	1
##	1724	<pre>protein_coding</pre>	chr1	1282242	1282315	+	1
	1725	<pre>protein_coding</pre>		1283978		+	1
##	1726	<pre>protein_coding</pre>	chr1	1283978	1284090	+	1

##	1727	<pre>protein_coding</pre>	chr1	1285571	1285664	+	1
##	1728	<pre>protein_coding</pre>	chr1	1285571	1285664	+	1
##	1729	<pre>protein_coding</pre>	chr1	1285926	1286278	+	1
##	1730	<pre>protein_coding</pre>	chr1	1285926	1286278	+	1
##	1731	protein_coding	chr1	1286768	1286975	+	1
##	1732	protein_coding	chr1	1286768	1286975	+	1
##	1733	protein_coding	chr1	1287109	1287299	+	1
##	1734	protein_coding	chr1	1287109	1287299	+	1
##	1735	protein_coding	chr1	1287508	1287596	+	1
##	1736	protein_coding		1287508		+	1
##	1737	protein_coding	chr1	1287673	1287836	+	1
##	1738	protein_coding		1287673		+	1
##	1739	protein_coding		1287939		+	1
	1740	protein_coding		1287939		+	1
	1741	protein_coding		1290271		+	1
	1742	protein_coding		1290271		+	1
	1743	protein_coding		1290477		+	1
	1744	protein_coding		1290477		+	1
	1745	protein_coding		1290637		+	1
	1746	protein_coding		1290637		+	1
	1747	protein_coding		1290895		+	1
	1748	protein_coding		1290895		+	1
	1749			1291065		+	1
	1750	protein_coding		1291065		+	1
	1751	protein_coding		1291065		+	1
	1752	protein_coding		1291254			
	1753	protein_coding				+	1
		protein_coding		1291608		+	1
	1754	protein_coding		1280436		+	1
	1755	protein_coding		1291608		+	1
	1756	protein_coding		1280588		+	1
	1757	protein_coding		1280588		+	1
	1758	protein_coding		1282242		+	1
	1759	protein_coding		1283978		+	1
	1760	<pre>protein_coding</pre>		1284025		+	1
	1761	<pre>protein_coding</pre>		1284025		+	1
	1762	<pre>protein_coding</pre>		1285926		+	1
##	1763	<pre>protein_coding</pre>		1285926		+	1
	1764	<pre>protein_coding</pre>		1286768		+	1
	1765	<pre>protein_coding</pre>		1286768		+	1
##	1766	<pre>protein_coding</pre>	chr1	1287109	1287299	+	1
##	1767	<pre>protein_coding</pre>	chr1	1287109	1287299	+	1
##	1768	<pre>protein_coding</pre>	chr1	1287508	1287596	+	1
##	1769	protein_coding	chr1	1287508	1287596	+	1
##	1770	<pre>protein_coding</pre>	chr1	1287673	1287836	+	1
##	1771	protein_coding	chr1	1287673	1287836	+	1
##	1772	protein_coding	chr1	1287939	1288037	+	1
##	1773	protein_coding	chr1	1287939	1288037	+	1
##	1774	protein_coding	chr1	1290271	1290388	+	1
##	1775	protein_coding	chr1	1290271	1290388	+	1
##	1776	protein_coding	chr1	1290477	1290555	+	1
##	1777	protein_coding	chr1	1290477	1290555	+	1
##	1778	protein_coding	chr1	1290637	1290694	+	1
##	1779	protein_coding		1290637		+	1
##	1780	protein_coding	chr1	1290895	1290953	+	1
		•					

	1781	<pre>protein_coding</pre>		1290895		+	1
	1782	<pre>protein_coding</pre>		1291065		+	1
	1783	<pre>protein_coding</pre>		1291065		+	1
	1784	<pre>protein_coding</pre>		1291254		+	1
	1785	<pre>protein_coding</pre>		1291254		+	1
##	1786	<pre>protein_coding</pre>	chr1	1291608	1291610	+	1
##	1787	<pre>protein_coding</pre>	chr1	1280588	1281610	+	1
##	1788	<pre>protein_coding</pre>	chr1	1282242	1282315	+	1
##	1789	<pre>protein_coding</pre>	chr1	1283978	1284024	+	1
##	1790	<pre>protein_coding</pre>	chr1	1291608	1292024	+	1
##	1791	<pre>protein_coding</pre>	chr1	1281224	1292029	+	1
##	1792	protein_coding	chr1	1281224	1281297	+	1
##	1793	protein_coding	${\tt chr1}$	1281411	1281610	+	1
##	1794	protein_coding	chr1	1282242	1282315	+	1
##	1795	protein_coding	chr1	1283978	1284090	+	1
##	1796	protein_coding	chr1	1284025	1284090	+	1
##	1797	protein_coding	chr1	1284025	1284027	+	1
##	1798	protein_coding	chr1	1285926	1286278	+	1
##	1799	protein_coding	chr1	1285926	1286278	+	1
##	1800	protein_coding	chr1	1286768	1286975	+	1
##	1801	protein_coding	chr1	1286768	1286975	+	1
##	1802	protein_coding	chr1	1287109	1287299	+	1
##	1803	protein_coding		1287109		+	1
##	1804	protein_coding		1287508		+	1
##	1805	protein_coding		1287508		+	1
	1806	protein_coding		1287673		+	1
	1807	protein_coding		1287673		+	1
	1808	protein_coding		1287939		+	1
	1809	protein_coding		1287939		+	1
	1810	protein_coding		1290271		+	1
	1811	protein_coding		1290271		+	1
	1812	protein_coding		1290477		+	1
	1813	protein_coding		1290477		+	1
	1814	protein_coding		1290637		+	1
	1815	protein_coding		1290637		+	1
	1816	protein_coding		1290895		+	1
	1817	protein_coding		1290895		+	1
	1818	protein_coding		1291065		+	1
	1819	protein_coding protein_coding		1291065		+	1
	1820	protein_coding protein_coding		1291003		+	1
	1821			1291254		+	1
	1822	protein_coding		1291254		+	1
		protein_coding		1281224			
	1823 1824	protein_coding		1281224		+ +	1
		protein_coding					1
	1825	protein_coding		1282242		+	1
	1826	protein_coding		1283978		+	1
	1827	protein_coding		1291608		+	1
	1828	protein_coding		1282109		+	1
	1829	protein_coding		1282109		+	1
	1830	protein_coding		1282259		+	1
	1831	protein_coding		1282259		+	1
	1832	protein_coding		1283978		+	1
	1833	protein_coding		1283978		+	1
##	1834	<pre>protein_coding</pre>	chr1	1285571	1285664	+	1

##	1835	<pre>protein_coding</pre>	chr1	1285571	1285664	+	1
##	1836	<pre>protein_coding</pre>	chr1	1285926	1286278	+	1
##	1837	protein_coding	chr1	1285926	1286278	+	1
##	1838	protein_coding	chr1	1286768	1286975	+	1
##	1839	protein_coding	chr1	1286768	1286975	+	1
##	1840	protein_coding	chr1	1287109	1287299	+	1
##	1841	protein_coding	chr1	1287109	1287299	+	1
##	1842	protein_coding	chr1	1287508	1287596	+	1
	1843	protein_coding		1287508		+	1
	1844	protein_coding		1287673		+	1
	1845	protein_coding		1287673		+	1
	1846	protein_coding		1287939		+	1
	1847			1287939		+	1
	1848	protein_coding		1290271		+	1
	1849	protein_coding		1290271			
		protein_coding				+	1
	1850	protein_coding		1290477		+	1
	1851	protein_coding		1290477		+	1
	1852	protein_coding		1290637		+	1
	1853	<pre>protein_coding</pre>		1290637		+	1
	1854	<pre>protein_coding</pre>		1290895		+	1
	1855	<pre>protein_coding</pre>		1290895		+	1
	1856	<pre>protein_coding</pre>		1291065		+	1
##	1857	<pre>protein_coding</pre>		1291065		+	1
##	1858	<pre>protein_coding</pre>		1291254		+	1
##	1859	protein_coding	chr1	1291254	1291607	+	1
##	1860	protein_coding	chr1	1291608	1291610	+	1
##	1861	protein_coding	chr1	1282109	1282258	+	1
##	1862	protein_coding	chr1	1291608	1292024	+	1
##	1863	protein_coding	chr1	1292390	1309609	-	1
##	1864	protein_coding	chr1	1292391	1307930	-	1
##	1865	protein_coding	chr1	1307769	1307930	_	1
##	1866	protein_coding	chr1	1307769	1307815	_	1
##	1867	protein_coding	chr1	1307813	1307815	_	1
##	1868	protein_coding		1304086		_	1
##	1869	protein_coding		1304086		_	1
	1870	protein_coding		1303162		_	1
	1871	protein_coding		1303162		_	1
	1872	protein_coding		1302922		_	1
	1873	protein_coding		1302922		_	1
	1874			1301988		_	1
	1875	protein_coding		1301988		_	1
	1876	protein_coding		1301900		_	1
		protein_coding				_	
	1877	protein_coding		1300509		_	1
	1878	protein_coding		1300158		-	1
	1879	protein_coding		1300158		-	1
	1880	protein_coding		1299973		-	1
	1881	protein_coding		1299973		-	1
	1882	protein_coding		1299831		_	1
	1883	<pre>protein_coding</pre>		1299831		-	1
	1884	<pre>protein_coding</pre>		1299345		-	1
	1885	<pre>protein_coding</pre>		1299345		_	1
##	1886	<pre>protein_coding</pre>		1298567		_	1
##	1887	<pre>protein_coding</pre>		1298567		-	1
##	1888	<pre>protein_coding</pre>	${\tt chr1}$	1298370	1298421	-	1

##	1889	<pre>protein_coding</pre>		1298370		-	1
##	1890	protein_coding	chr1	1298013	1298113	-	1
##	1891	<pre>protein_coding</pre>	chr1	1298013	1298113	-	1
##	1892	protein_coding	chr1	1297822	1297933	-	1
##	1893	protein_coding	chr1	1297822	1297933	_	1
##	1894	protein_coding	chr1	1296425	1296633	_	1
##	1895	protein_coding	chr1	1296425	1296633	_	1
##	1896	protein_coding	chr1	1296211	1296280	_	1
##	1897	protein_coding	chr1	1296211	1296280	_	1
##	1898	protein_coding		1296015		_	1
	1899	protein_coding		1296015		_	1
	1900	protein_coding		1295736		_	1
	1901	protein_coding		1295736		_	1
	1902	protein_coding		1295447		_	1
	1903	protein_coding		1295447		_	1
	1904	protein_coding		1294718		_	1
	1905	protein_coding		1294718		_	1
	1906	protein_coding		1294402		_	1
	1907	protein_coding		1294402		_	1
	1908			1294090		_	1
	1909	protein_coding		1294090		_	1
	1910	protein_coding		1293823		_	1
	1910	protein_coding		1293823		_	1
	1912	protein_coding		1293023		_	
		protein_coding				_	1
	1913	protein_coding		1293567		_	1
	1914	protein_coding		1293564		_	1
	1915	protein_coding		1307816		_	1
	1916	protein_coding		1292391		_	1
	1917	protein_coding		1293564		_	1
	1918	protein_coding		1303162		_	1
	1919	protein_coding		1303162		_	1
	1920	protein_coding		1303258		-	1
	1921	<pre>protein_coding</pre>		1302922		-	1
	1922	<pre>protein_coding</pre>		1302922		_	1
	1923	<pre>protein_coding</pre>		1301988		_	1
	1924	<pre>protein_coding</pre>		1301988		_	1
##	1925	<pre>protein_coding</pre>		1300509		-	1
##	1926	<pre>protein_coding</pre>	chr1	1300509	1300692	-	1
##	1927	<pre>protein_coding</pre>	chr1	1300158	1300202	-	1
##	1928	<pre>protein_coding</pre>	chr1	1300158	1300202	_	1
##	1929	<pre>protein_coding</pre>	chr1	1299973	1300068	-	1
##	1930	<pre>protein_coding</pre>	chr1	1299973	1300068	-	1
##	1931	protein_coding	chr1	1299831	1299905	-	1
##	1932	protein_coding	chr1	1299831	1299905	-	1
##	1933	protein_coding	chr1	1299345	1299356	-	1
##	1934	protein_coding	chr1	1299345	1299356	_	1
##	1935	protein_coding	chr1	1298567	1298679	_	1
##	1936	protein_coding	chr1	1298567	1298679	-	1
##	1937	protein_coding	chr1	1298370	1298421	-	1
##	1938	protein_coding	chr1	1298370	1298421	-	1
	1939	protein_coding		1298013		_	1
##	1940	protein_coding		1298013		-	1
##	1941	protein_coding		1297822		_	1
##	1942	protein_coding		1297822		_	1

##	1943	<pre>protein_coding</pre>	chr1	1296425	1296633	-	1
##	1944	<pre>protein_coding</pre>	chr1	1296425	1296633	-	1
##	1945	protein_coding	chr1	1296211	1296280	-	1
##	1946	protein_coding	chr1	1296211	1296280	-	1
##	1947	protein_coding	chr1	1296015	1296109	-	1
##	1948	protein_coding	chr1	1296015	1296109	-	1
##	1949	protein_coding	chr1	1295736	1295938	_	1
##	1950	protein_coding		1295736		_	1
	1951	protein_coding		1295447		_	1
	1952	protein_coding		1295447		_	1
	1953	protein_coding		1294402		_	1
	1954	protein_coding		1294402		_	1
	1955	protein_coding		1294090		_	1
	1956	-		1294090			1
	1957	protein_coding				_	
		protein_coding		1293823		_	1
	1958	protein_coding		1293823		_	1
	1959	protein_coding		1293564		_	1
	1960	protein_coding		1293567		-	1
	1961	protein_coding		1293564		-	1
	1962	<pre>protein_coding</pre>		1293564		-	1
	1963	miRNA		1296110		-	1
	1964	miRNA		1296110		-	1
##	1965	$\mathtt{miRNA}$		1296110		-	1
##	1966	<pre>protein_coding</pre>		1308597		+	1
##	1967	protein_coding	chr1	1308597	1311677	+	1
##	1968	protein_coding	chr1	1308597	1308720	+	1
##	1969	protein_coding	chr1	1308644	1308720	+	1
##	1970	protein_coding	chr1	1308644	1308646	+	1
##	1971	protein_coding	chr1	1308915	1308972	+	1
##	1972	protein_coding	chr1	1308915	1308972	+	1
##	1973	protein_coding	chr1	1309086	1309273	+	1
##	1974	protein_coding	chr1	1309086	1309273	+	1
##	1975	protein_coding		1309454		+	1
##	1976	protein_coding		1309454		+	1
##	1977	protein_coding		1309681		+	1
	1978	protein_coding		1309681		+	1
	1979	protein_coding		1310634		+	1
	1980	protein_coding		1310634		+	1
	1981	protein_coding		1310909		+	1
	1982	protein_coding		1310909		+	1
	1983	protein_coding		1311330		+	1
	1984	_		1311330		+	1
		protein_coding				+	
	1985	protein_coding		1311377			1
	1986	protein_coding		1308597		+	1
	1987	protein_coding		1311377		+	1
	1988	protein_coding		1311585		-	1
	1989	protein_coding		1311585		-	1
	1990	protein_coding		1324581		-	1
	1991	<pre>protein_coding</pre>		1322892		-	1
	1992	<pre>protein_coding</pre>		1321908		-	1
	1993	<pre>protein_coding</pre>		1321908		-	1
##	1994	<pre>protein_coding</pre>	chr1	1321951	1321953	-	1
	1995	<pre>protein_coding</pre>		1320996		-	1
##	1996	<pre>protein_coding</pre>	chr1	1320996	1321093	-	1

	1997	<pre>protein_coding</pre>		1320456		-	1
	1998	<pre>protein_coding</pre>		1320456		-	1
	1999	<pre>protein_coding</pre>		1319296		-	1
	2000	<pre>protein_coding</pre>		1319296		-	1
	2001	<pre>protein_coding</pre>		1315520		-	1
##	2002	<pre>protein_coding</pre>	chr1	1315520	1315618	-	1
##	2003	<pre>protein_coding</pre>	chr1	1315404	1315438	_	1
##	2004	<pre>protein_coding</pre>	chr1	1315404	1315438	-	1
##	2005	protein_coding	chr1	1314824	1314962	-	1
##	2006	<pre>protein_coding</pre>	chr1	1314824	1314962	-	1
##	2007	<pre>protein_coding</pre>	chr1	1314301	1314365	-	1
##	2008	protein_coding	chr1	1314301	1314365	-	1
##	2009	protein_coding	${\tt chr1}$	1313732	1313921	-	1
##	2010	protein_coding	chr1	1313732	1313921	-	1
##	2011	protein_coding	chr1	1313509	1313592	-	1
##	2012	protein_coding	chr1	1313509	1313592	-	1
##	2013	protein_coding	chr1	1313035	1313124	-	1
##	2014	protein_coding	chr1	1313035	1313124	-	1
##	2015	protein_coding	chr1	1312787	1312949	-	1
##	2016	protein_coding	chr1	1312787	1312949	-	1
##	2017	protein_coding	chr1	1312593	1312700	-	1
##	2018	protein_coding	chr1	1312593	1312700	_	1
##	2019	protein_coding	chr1	1312440	1312501	_	1
##	2020	protein_coding		1312440		_	1
##	2021	protein_coding		1312226		_	1
##	2022	protein_coding		1312226		_	1
	2023	protein_coding		1312018		_	1
	2024	protein_coding		1312018		_	1
	2025	protein_coding		1311585		_	1
	2026	protein_coding		1311862		_	1
	2027	protein_coding		1311859		_	1
	2028	protein_coding		1324581		_	1
	2029	protein_coding		1322892		_	1
	2030	protein_coding		1321954		_	1
	2031	protein_coding		1311585		_	1
	2032	protein_coding		1311585		_	1
	2033	protein_coding		1324581		_	1
	2034			1323181		_	1
	2035	protein_coding		1320996		_	1
	2036	protein_coding protein_coding		1320996		_	1
	2037			1321032		_	1
	2038	protein_coding		1321032		_	1
		protein_coding		1320456		_	
	2039 2040	protein_coding				_	1
		protein_coding		1319296		_	1
	2041	protein_coding		1319296		-	1
	2042	protein_coding		1315520		_	1
	2043	protein_coding		1315520		_	1
	2044	protein_coding		1315404		-	1
	2045	protein_coding		1315404		-	1
	2046	protein_coding		1314824		-	1
	2047	protein_coding		1314824		-	1
	2048	protein_coding		1314301		-	1
	2049	protein_coding		1314301		-	1
##	2050	<pre>protein_coding</pre>	chr1	1313732	1313921	-	1

##	2051	protein_coding		1313732		-	1
##	2052	<pre>protein_coding</pre>	chr1	1313509	1313592	-	1
##	2053	protein_coding	chr1	1313509	1313592	-	1
##	2054	protein_coding	chr1	1313035	1313124	-	1
##	2055	protein_coding	chr1	1313035	1313124	_	1
##	2056	protein_coding		1312787		_	1
	2057	protein_coding		1312787		_	1
	2058	protein_coding		1312593		_	1
	2059	-		1312593			1
	2060	protein_coding		1312440			
		protein_coding				_	1
	2061	protein_coding		1312440		_	1
	2062	protein_coding		1312226		_	1
	2063	<pre>protein_coding</pre>		1312226		-	1
	2064	<pre>protein_coding</pre>		1312018		_	1
##	2065	<pre>protein_coding</pre>		1312018		-	1
##	2066	<pre>protein_coding</pre>	chr1	1311585	1311924	-	1
##	2067	protein_coding	chr1	1311862	1311924	-	1
##	2068	protein_coding	chr1	1311859	1311861	-	1
##	2069	protein_coding	chr1	1324581	1324687	-	1
##	2070	protein_coding	chr1	1323181	1323287	_	1
##	2071	protein_coding		1321035		_	1
	2072	protein_coding		1311585		_	1
	2073	protein_coding		1311585		_	1
	2074	protein_coding		1324581		_	1
	2075	-		1324581		_	1
	2076	protein_coding		1324501		_	
		protein_coding				_	1
	2077	protein_coding		1323177		_	1
	2078	protein_coding		1323177		-	1
	2079	<pre>protein_coding</pre>		1315520		-	1
	2080	<pre>protein_coding</pre>		1315520		-	1
##	2081	<pre>protein_coding</pre>		1315404		-	1
##	2082	<pre>protein_coding</pre>	chr1	1315404	1315438	-	1
##	2083	protein_coding	chr1	1314824	1314962	-	1
##	2084	protein_coding	chr1	1314824	1314962	-	1
##	2085	protein_coding	chr1	1314301	1314365	-	1
##	2086	protein_coding	chr1	1314301	1314365	-	1
##	2087	protein_coding	chr1	1313732	1313921	-	1
	2088	protein_coding	chr1	1313732	1313921	_	1
	2089	protein_coding		1313509		_	1
	2090	protein_coding		1313509		_	1
	2091	protein_coding		1313035		_	1
	2092	protein_coding		1313035		_	1
	2093	_		1312787		_	1
	2094	protein_coding		1312787			
		protein_coding				_	1
	2095	protein_coding		1312593		_	1
	2096	protein_coding		1312593		-	1
	2097	protein_coding		1312440		-	1
	2098	<pre>protein_coding</pre>		1312440		-	1
	2099	<pre>protein_coding</pre>		1312226		-	1
	2100	<pre>protein_coding</pre>		1312226		-	1
##	2101	<pre>protein_coding</pre>	chr1	1312018	1312147	-	1
##	2102	protein_coding	chr1	1312018	1312147	-	1
##	2103	protein_coding	chr1	1311585	1311924	-	1
##	2104	protein_coding	chr1	1311862	1311924	-	1
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##	2105	<pre>protein_coding</pre>		1311859		-	1
##	2106	<pre>protein_coding</pre>	chr1	1324609	1324687	-	1
##	2107	<pre>protein_coding</pre>	chr1	1311585	1311861	-	1
##	2108	protein_coding	chr1	1311585	1324687	-	1
##	2109	protein_coding	chr1	1324581	1324687	-	1
##	2110	protein_coding	chr1	1324581	1324608	-	1
##	2111	protein_coding	chr1	1324606	1324608	-	1
##	2112	protein_coding	chr1	1320996	1321093	_	1
##	2113	protein_coding	chr1	1320996	1321093	_	1
##	2114	protein_coding	chr1	1320456	1320529	_	1
##	2115	protein_coding		1320456		_	1
##	2116	protein_coding	chr1	1319336	1319524	_	1
##	2117	protein_coding		1319336		_	1
	2118	protein_coding		1314301		_	1
	2119	protein_coding		1314301		_	1
	2120	protein_coding		1313732		_	1
	2121	protein_coding		1313732		_	1
	2122	protein_coding		1313509		_	1
	2123	protein_coding		1313509		_	1
	2124	protein_coding		1313035		_	1
	2125	protein_coding		1313035		_	1
	2126	protein_coding		1312878		_	1
	2127	-		1312878		_	1
	2128	protein_coding		1312276			1
	2129	protein_coding		1312226			1
	2130	protein_coding		1312220			1
	2131	protein_coding		1312018		_	1
	2132	protein_coding				_	
	2132	protein_coding		1311585		_	1
		protein_coding		1311862		_	1
	2134	protein_coding		1311859		_	1
	2135	protein_coding		1324609		_	1
	2136	protein_coding		1311585		_	1
	2137	protein_coding		1311597		-	1
	2138	protein_coding		1324581		_	1
	2139	protein_coding		1324581		-	1
	2140	protein_coding		1324606		-	1
	2141	protein_coding		1320996		-	1
	2142	protein_coding		1320996		-	1
	2143	<pre>protein_coding</pre>		1320456		-	1
	2144	<pre>protein_coding</pre>		1320456		-	1
	2145	<pre>protein_coding</pre>		1319296		-	1
	2146	<pre>protein_coding</pre>		1319296		-	1
	2147	<pre>protein_coding</pre>		1315520		-	1
	2148	<pre>protein_coding</pre>		1315520		-	1
	2149	<pre>protein_coding</pre>		1315404		-	1
	2150	<pre>protein_coding</pre>		1315404		-	1
	2151	<pre>protein_coding</pre>		1314824		-	1
	2152	<pre>protein_coding</pre>		1314824		-	1
	2153	<pre>protein_coding</pre>		1314301		_	1
##	2154	<pre>protein_coding</pre>		1314301		_	1
##	2155	<pre>protein_coding</pre>	chr1	1313732	1313921	-	1
##	2156	<pre>protein_coding</pre>	chr1	1313732	1313921	-	1
	2157	<pre>protein_coding</pre>		1313509		-	1
##	2158	<pre>protein_coding</pre>	chr1	1313509	1313592	-	1

##	2159	<pre>protein_coding</pre>	chr1	1313035	1313124	-	1
##	2160	protein_coding	chr1	1313035	1313124	-	1
##	2161	protein_coding	chr1	1312787	1312949	-	1
##	2162	protein_coding	chr1	1312787	1312949	_	1
##	2163	protein_coding	chr1	1312593	1312700	-	1
##	2164	protein_coding	chr1	1312593	1312700	_	1
##	2165	protein_coding	chr1	1312440	1312501	-	1
##	2166	protein_coding		1312440		_	1
##	2167	protein_coding		1312226		_	1
	2168	protein_coding		1312226		_	1
	2169	protein_coding		1312018		_	1
	2170	protein_coding		1312018		_	1
	2171	protein_coding		1311597		_	1
	2172	protein_coding		1311862		_	1
	2173	protein_coding		1311859		_	1
	2174	protein_coding		1324609		_	1
	2175	protein_coding		1311597		_	1
	2176	protein_coding protein_coding		1311601		_	1
	2177			1324581		_	1
	2178	protein_coding		1324581		_	1
	2179	protein_coding		1324501		_	
		protein_coding				_	1
	2180	protein_coding		1323181		_	1
	2181	protein_coding		1323181		-	1
	2182	protein_coding		1315520		-	1
	2183	protein_coding		1315520		_	1
	2184	protein_coding		1315404		_	1
	2185	protein_coding		1315404		_	1
	2186	protein_coding		1314824		-	1
	2187	<pre>protein_coding</pre>		1314824		-	1
	2188	<pre>protein_coding</pre>		1314301		_	1
	2189	<pre>protein_coding</pre>		1314301		-	1
	2190	<pre>protein_coding</pre>		1313732		-	1
	2191	<pre>protein_coding</pre>		1313732		-	1
	2192	<pre>protein_coding</pre>		1313509		-	1
##	2193	<pre>protein_coding</pre>	chr1	1313509	1313592	_	1
##	2194	<pre>protein_coding</pre>		1313035		-	1
##	2195	<pre>protein_coding</pre>	chr1	1313035	1313124	_	1
##	2196	<pre>protein_coding</pre>	chr1	1312787	1312949	_	1
##	2197	<pre>protein_coding</pre>	chr1	1312787	1312949	-	1
##	2198	<pre>protein_coding</pre>	chr1	1312593	1312700	-	1
##	2199	protein_coding	chr1	1312593	1312700	-	1
##	2200	protein_coding	chr1	1312440	1312501	-	1
##	2201	protein_coding	chr1	1312440	1312501	_	1
##	2202	protein_coding	chr1	1312226	1312368	-	1
##	2203	protein_coding	chr1	1312226	1312368	_	1
##	2204	protein_coding	chr1	1312018	1312147	-	1
##	2205	protein_coding	chr1	1312018	1312147	-	1
##	2206	protein_coding		1311601		-	1
##	2207	protein_coding		1311862		_	1
	2208	protein_coding		1311859		_	1
	2209	protein_coding		1324609		_	1
	2210	protein_coding		1311601		-	1
	2211	protein_coding		1311606		_	1
	2212	protein_coding		1324581		_	1
		_ = = =================================		<b>-</b>	- · · ·		_

	2213	protein_coding		1315520		-	1
##	2214	protein_coding		1315404		-	1
##	2215	<pre>protein_coding</pre>	chr1	1314824	1314962	-	1
##	2216	<pre>protein_coding</pre>	chr1	1314301	1314365	-	1
##	2217	protein_coding	chr1	1313732	1314105	-	1
##	2218	protein_coding	chr1	1313732	1313914	_	1
##	2219	protein_coding	chr1	1313912	1313914	-	1
##	2220	protein_coding	chr1	1313509	1313592	-	1
##	2221	protein_coding	chr1	1313509	1313592	_	1
##	2222	protein_coding	chr1	1313035	1313124	_	1
##	2223	protein_coding	chr1	1313035	1313124	_	1
##	2224	protein_coding	chr1	1312787	1312949	_	1
##	2225	protein_coding		1312787		_	1
##	2226	protein_coding		1312593		_	1
##	2227	protein_coding		1312593		_	1
	2228	protein_coding		1312440		_	1
	2229	protein_coding		1312440		_	1
	2230	protein_coding		1312226		_	1
	2231	protein_coding		1312226		_	1
	2232	protein_coding		1312018		_	1
	2233	protein_coding		1312018		_	1
	2234	protein_coding		1311606		_	1
	2235	protein_coding		1311862		_	1
	2236	protein_coding		1311859		_	1
	2237	protein_coding		1324581		_	1
	2238	-		1315520		_	1
	2239	protein_coding		1315320		_	1
	2240	protein_coding		1314824		_	1
	2240	protein_coding		1314301		_	1
	2241	protein_coding				_	
	2242	protein_coding		1313915		_	1
	2243	protein_coding		1311606		_	1
	2244	protein_coding		1311606		_	1
		protein_coding		1324581		_	1
	2246	protein_coding		1324581		_	1
	2247	protein_coding		1324606		_	1
	2248	protein_coding		1320996		_	1
	2249	protein_coding		1320996		_	1
	2250	protein_coding		1315520		_	1
	2251	protein_coding		1315520		_	1
	2252	protein_coding		1315404		-	1
	2253	protein_coding		1315404		-	1
	2254	protein_coding		1314824		-	1
	2255	protein_coding		1314824		-	1
	2256	protein_coding		1314301		-	1
	2257	<pre>protein_coding</pre>		1314301		-	1
	2258	protein_coding		1313732		-	1
	2259	<pre>protein_coding</pre>		1313732		-	1
	2260	<pre>protein_coding</pre>		1313509		-	1
	2261	<pre>protein_coding</pre>		1313509		-	1
	2262	<pre>protein_coding</pre>		1313035		-	1
	2263	<pre>protein_coding</pre>		1313035		-	1
	2264	<pre>protein_coding</pre>	chr1	1312787	1312949	-	1
	2265	<pre>protein_coding</pre>		1312787		-	1
##	2266	<pre>protein_coding</pre>	chr1	1312593	1312700	-	1

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	2267	<pre>protein_coding</pre>		1312593		-	1
	2268	<pre>protein_coding</pre>		1312440		-	1
##	2269	protein_coding	chr1	1312440	1312501	_	1
##	2270	<pre>protein_coding</pre>	chr1	1312226	1312368	-	1
##	2271	<pre>protein_coding</pre>	chr1	1312226	1312368	-	1
##	2272	protein_coding	chr1	1312018	1312147	-	1
##	2273	protein_coding	chr1	1312018	1312147	-	1
##	2274	protein_coding	chr1	1311606	1311924	-	1
##	2275	protein_coding	chr1	1311862	1311924	_	1
##	2276	protein_coding	chr1	1311859	1311861	_	1
##	2277	protein_coding	chr1	1324609	1324653	_	1
##	2278	protein_coding		1311606		_	1
	2279	protein_coding		1311819		_	1
	2280	protein_coding		1324581		_	1
	2281	protein_coding		1324581		_	1
	2282	protein_coding		1324606		_	1
	2283	protein_coding		1320996		_	1
	2284	protein_coding		1320996		_	1
	2285	protein_coding		1320456		_	1
	2286	protein_coding		1320456		_	1
	2287			1319296		_	1
	2288	protein_coding		1319296		_	1
	2289	protein_coding		1315520		_	
		protein_coding				-	1
	2290	protein_coding		1315520		-	1
	2291	protein_coding		1315404		-	1
	2292	protein_coding		1315404		-	1
	2293	protein_coding		1314824		-	1
	2294	protein_coding		1314824		_	1
	2295	protein_coding		1314301		-	1
	2296	protein_coding		1314301		-	1
	2297	protein_coding		1313732		-	1
	2298	<pre>protein_coding</pre>		1313732		-	1
	2299	<pre>protein_coding</pre>		1313509		-	1
	2300	<pre>protein_coding</pre>		1313509		_	1
	2301	<pre>protein_coding</pre>		1313035		-	1
	2302	<pre>protein_coding</pre>		1313035		-	1
##	2303	<pre>protein_coding</pre>		1312787		-	1
##	2304	<pre>protein_coding</pre>	chr1	1312787	1312949	-	1
##	2305	<pre>protein_coding</pre>	chr1	1312593	1312700	-	1
##	2306	<pre>protein_coding</pre>	chr1	1312593	1312700	-	1
##	2307	protein_coding	chr1	1312440	1312501	-	1
##	2308	protein_coding	chr1	1312440	1312501	-	1
##	2309	protein_coding	chr1	1312226	1312368	-	1
##	2310	protein_coding	chr1	1312226	1312368	-	1
##	2311	protein_coding	chr1	1312018	1312147	-	1
##	2312	protein_coding	chr1	1312018	1312147	-	1
##	2313	protein_coding	chr1	1311819	1311924	-	1
##	2314	protein_coding		1311862		-	1
##	2315	protein_coding		1311859		_	1
	2316	protein_coding		1324609		_	1
	2317	protein_coding		1311819		-	1
	2318	protein_coding		1318679		-	1
	2319	protein_coding		1324581		_	1
	2320	protein_coding		1324581		_	1
				<b>-</b>			_

	2321	<pre>protein_coding</pre>		1324606		_	1
##	2322	protein_coding	chr1	1320996	1321093	_	1
##	2323	<pre>protein_coding</pre>	chr1	1320996	1321093	-	1
##	2324	protein_coding	chr1	1320456	1320529	_	1
##	2325	protein_coding	chr1	1320456	1320529	_	1
##	2326	protein_coding	chr1	1318679	1319524	_	1
##	2327	protein_coding	chr1	1318858	1319524	_	1
##	2328	protein_coding	chr1	1318855	1318857	_	1
##	2329	protein_coding	chr1	1324609	1324666	_	1
##	2330	protein_coding		1318679		_	1
##	2331	miRNA		1312502		_	1
##	2332	miRNA	chr1	1312502	1312566	_	1
##	2333	miRNA		1312502		_	1
##	2334	lncRNA		1317581		_	0
	2335	lncRNA		1317581		_	0
	2336	lncRNA		1318623		_	0
	2337	lncRNA		1317581		_	0
	2338	protein_coding		1324756		+	1
	2339	protein_coding		1324802		+	1
	2340	protein_coding		1324802		+	1
	2341	protein_coding		1326836		+	1
	2342	protein_coding		1326911		+	1
	2342	-		1326911		+	1
	2344	protein_coding		1327241		+	1
	2345	protein_coding		1327241		+	1
	2346	protein_coding		1327761		+	1
	2347	protein_coding		1324802		+	1
	2348	protein_coding					
		protein_coding		1326836		+	1
	2349	protein_coding		1327761		+	1
	2350	protein_coding		1331280		+	1
	2351	protein_coding		1331280		+	1
	2352	protein_coding		1331280		+	1
	2353	protein_coding		1331346		+	1
	2354	protein_coding		1331346		+	1
	2355	protein_coding		1331638		+	1
	2356	protein_coding		1331638		+	1
##	2357	protein_coding		1332024		+	1
	2358	protein_coding		1332024		+	1
	2359	<pre>protein_coding</pre>		1332921		+	1
	2360	<pre>protein_coding</pre>		1332921		+	1
	2361	<pre>protein_coding</pre>		1333259		+	1
	2362	<pre>protein_coding</pre>		1333259		+	1
	2363	<pre>protein_coding</pre>		1333506		+	1
##	2364	<pre>protein_coding</pre>	chr1	1333506	1334461	+	1
##	2365	<pre>protein_coding</pre>		1334462		+	1
##	2366	<pre>protein_coding</pre>		1331280		+	1
##	2367	<pre>protein_coding</pre>		1334462		+	1
##	2368	<pre>protein_coding</pre>		1335276		-	1
##	2369	<pre>protein_coding</pre>	chr1	1335276	1349112	-	1
##	2370	protein_coding	chr1	1348896	1349112	-	1
##	2371	protein_coding	chr1	1348896	1349065	-	1
##	2372	protein_coding	chr1	1349063	1349065	-	1
##	2373	protein_coding	chr1	1342689	1342758	-	1
##	2374	protein_coding	chr1	1342689	1342758	_	1

	2375	<pre>protein_coding</pre>		1342363		-	1
##	2376	<pre>protein_coding</pre>	chr1	1342363	1342484	-	1
##	2377	<pre>protein_coding</pre>	chr1	1342053	1342156	-	1
##	2378	protein_coding	chr1	1342053	1342156	-	1
##	2379	protein_coding	chr1	1341667	1341805	_	1
##	2380	protein_coding	chr1	1341667	1341805	_	1
##	2381	protein_coding	chr1	1340410	1340503	-	1
##	2382	protein_coding	chr1	1340410	1340503	_	1
##	2383	protein_coding	chr1	1340247	1340316	_	1
##	2384	protein_coding		1340247		_	1
##	2385	protein_coding		1340038		_	1
##	2386	protein_coding		1340038		_	1
##	2387	protein_coding		1339736		_	1
	2388	protein_coding		1339736		_	1
	2389	protein_coding		1339582		_	1
	2390	protein_coding		1339582		_	1
	2391	protein_coding		1339362		_	1
	2392	protein_coding		1339362		_	1
	2393	protein_coding		1338522		_	1
	2394	protein_coding		1338522		_	1
	2395	protein_coding		1338269		_	1
	2396	protein_coding		1338269		_	1
	2397	-		1337977		_	1
	2398	protein_coding		1337977		_	1
	2399	protein_coding		1335276		_	1
	2400	protein_coding		1336145		_	1
	2400	protein_coding		1336145		_	1
	2401	protein_coding				_	
		protein_coding		1349066		_	1
	2403	protein_coding		1335276		_	1
	2404	protein_coding		1335278		_	1
	2405	protein_coding		1348896		_	1
	2406	protein_coding		1348896		_	1
	2407	protein_coding		1349063		_	1
	2408	protein_coding		1342689		_	1
	2409	protein_coding		1342689		_	1
	2410	protein_coding		1342363		_	1
	2411	protein_coding		1342363		-	1
	2412	protein_coding		1342053		-	1
	2413	<pre>protein_coding</pre>		1342053		-	1
	2414	<pre>protein_coding</pre>		1341667		_	1
	2415	<pre>protein_coding</pre>		1341667		_	1
	2416	<pre>protein_coding</pre>		1340410		_	1
	2417	<pre>protein_coding</pre>		1340410		-	1
	2418	<pre>protein_coding</pre>		1340247		_	1
	2419	<pre>protein_coding</pre>		1340247		-	1
	2420	<pre>protein_coding</pre>		1340038		-	1
	2421	<pre>protein_coding</pre>		1340038		-	1
	2422	<pre>protein_coding</pre>		1339736		-	1
	2423	<pre>protein_coding</pre>		1339736		_	1
	2424	<pre>protein_coding</pre>		1339582		_	1
##	2425	<pre>protein_coding</pre>	chr1	1339582	1339649	-	1
##	2426	<pre>protein_coding</pre>	chr1	1339287	1339439	_	1
##	2427	<pre>protein_coding</pre>		1339287		-	1
##	2428	<pre>protein_coding</pre>	chr1	1338522	1338653	-	1

##	2429	protein_coding	chr1	1338522	1338653	-	1
##	2430	<pre>protein_coding</pre>	chr1	1338269	1338436	-	1
##	2431	protein_coding	chr1	1338269	1338436	-	1
##	2432	protein_coding	chr1	1337977	1338183	-	1
##	2433	protein_coding	chr1	1337977	1338183	-	1
##	2434	protein_coding	chr1	1335278	1336515	_	1
##	2435	protein_coding	chr1	1336145	1336515	_	1
##	2436	protein_coding		1336142		_	1
##	2437	protein_coding		1349066		_	1
##	2438	protein_coding		1335278		_	1
	2439	protein_coding		1335279		_	1
	2440	protein_coding		1348896		_	1
	2441	protein_coding		1348896		_	1
	2442	protein_coding		1349063		_	1
	2443	protein_coding		1342689		_	1
	2444	protein_coding		1342689		_	1
	2445	-		1342363		_	1
	2446	protein_coding		1342363			1
	2447	protein_coding		1342053		_	1
	2448	protein_coding		1342053			1
	2449	protein_coding		1341667		_	
		protein_coding				_	1
	2450	protein_coding		1341667		_	1
	2451	protein_coding		1340459		_	1
	2452	protein_coding		1340459		-	1
	2453	protein_coding		1338269		_	1
	2454	protein_coding		1338269		-	1
	2455	protein_coding		1337977		-	1
	2456	protein_coding		1337977		-	1
	2457	<pre>protein_coding</pre>		1335279		-	1
	2458	<pre>protein_coding</pre>		1336145		-	1
	2459	<pre>protein_coding</pre>		1336142		-	1
	2460	<pre>protein_coding</pre>		1349066		-	1
	2461	<pre>protein_coding</pre>		1335279		-	1
	2462	miRNA		1339650		-	1
	2463	miRNA		1339650		-	1
	2464	miRNA		1339650		-	1
##	2465	<pre>protein_coding</pre>		1352689		-	1
##	2466	<pre>protein_coding</pre>	chr1	1352689	1358794	-	1
##	2467	<pre>protein_coding</pre>	chr1	1358456	1358794	-	1
	2468	<pre>protein_coding</pre>	chr1	1358456	1358504	-	1
	2469	<pre>protein_coding</pre>	chr1	1358502	1358504	-	1
##	2470	protein_coding	chr1	1356681	1356704	-	1
##	2471	protein_coding	chr1	1356681	1356704	-	1
##	2472	protein_coding	chr1	1355244	1355345	-	1
##	2473	protein_coding	chr1	1355244	1355345	-	1
##	2474	protein_coding	chr1	1354682	1355152	-	1
##	2475	protein_coding	chr1	1354682	1355152	-	1
##	2476	protein_coding	chr1	1354354	1354509	-	1
##	2477	protein_coding		1354354		_	1
	2478	protein_coding		1354193		-	1
	2479	protein_coding		1354193		_	1
	2480	protein_coding		1354030		_	1
	2481	protein_coding		1354030		_	1
	2482	protein_coding		1353848		_	1
					· · · · <del>- ·</del>		_

##	2483	<pre>protein_coding</pre>		1353848		-	1
##	2484	<pre>protein_coding</pre>	chr1	1352689	1353629	_	1
##	2485	<pre>protein_coding</pre>	chr1	1353607	1353629	-	1
##	2486	protein_coding	chr1	1353604	1353606	-	1
##	2487	protein_coding	chr1	1358505	1358794	_	1
##	2488	protein_coding	chr1	1352689	1353606	-	1
##	2489	protein_coding	chr1	1352691	1358535	_	1
##	2490	protein_coding	chr1	1358456	1358535	_	1
##	2491	protein_coding	chr1	1358456	1358504	_	1
##	2492	protein_coding		1358502		_	1
##	2493	protein_coding		1356681		_	1
	2494	protein_coding		1356681		_	1
	2495	protein_coding		1355450		_	1
	2496	protein_coding		1355450		_	1
	2497	protein_coding		1355244		_	1
	2498	protein_coding		1355244		_	1
	2499	protein_coding		1354682		_	1
	2500	protein_coding		1354682		_	1
	2501	protein_coding		1354354		_	1
	2502	protein_coding		1354354		_	1
	2503	<del>-</del>		1354193		_	1
	2504	<pre>protein_coding protein_coding</pre>		1354193		_	1
	2505	-		1354030		_	1
	2506	protein_coding		1354030		_	1
	2507	protein_coding		1353848		_	1
	2507	protein_coding		1353848		_	
	2508	protein_coding				_	1
		protein_coding		1352691		_	1
	2510	protein_coding		1353607		-	1
	2511	protein_coding		1353604		-	1
	2512	protein_coding		1358505		_	1
	2513	protein_coding		1352691		_	1
	2514	protein_coding		1352692		_	1
	2515	protein_coding		1358456		-	1
	2516	<pre>protein_coding</pre>		1358456		-	1
	2517	protein_coding		1358502		-	1
	2518	<pre>protein_coding</pre>		1356681		-	1
	2519	<pre>protein_coding</pre>		1356681		_	1
	2520	<pre>protein_coding</pre>		1355450		-	1
	2521	<pre>protein_coding</pre>		1355450		-	1
	2522	<pre>protein_coding</pre>		1355244		-	1
	2523	<pre>protein_coding</pre>		1355244		-	1
##	2524	<pre>protein_coding</pre>	chr1	1354682	1355152	-	1
	2525	<pre>protein_coding</pre>		1354682		-	1
##	2526	<pre>protein_coding</pre>		1354354		-	1
##	2527	<pre>protein_coding</pre>		1354354		-	1
##	2528	<pre>protein_coding</pre>		1354193		_	1
##	2529	<pre>protein_coding</pre>		1354193		_	1
##	2530	<pre>protein_coding</pre>		1354030		-	1
##	2531	<pre>protein_coding</pre>	chr1	1354030	1354106	-	1
##	2532	protein_coding	chr1	1353848	1353946	-	1
##	2533	protein_coding	chr1	1353848	1353946	_	1
##	2534	protein_coding	chr1	1352692	1353332	-	1
##	2535	protein_coding	chr1	1353304	1353332	_	1
##	2536	protein_coding	chr1	1353301	1353303	_	1

	2537	protein_coding		1358505		_	1
##	2538	protein_coding	chr1	1352692	1353303	-	1
##	2539	<pre>protein_coding</pre>	chr1	1352692	1361777	-	1
##	2540	<pre>protein_coding</pre>	chr1	1361242	1361777	_	1
##	2541	protein_coding	chr1	1361242	1361263	-	1
##	2542	protein_coding	chr1	1361261	1361263	_	1
##	2543	protein_coding	chr1	1356681	1356704	-	1
##	2544	protein_coding	chr1	1356681	1356704	_	1
##	2545	protein_coding	chr1	1355450	1355752	_	1
##	2546	protein_coding	chr1	1355450	1355752	_	1
##	2547	protein_coding	chr1	1355244	1355345	_	1
##	2548	protein_coding		1355244		_	1
##	2549	protein_coding		1354682		_	1
##	2550	protein_coding		1354682		_	1
	2551	protein_coding		1354354		_	1
	2552	protein_coding		1354354		_	1
	2553	protein_coding		1354193		_	1
	2554	protein_coding		1354193		_	1
	2555	protein_coding		1354030		_	1
	2556	protein_coding		1354030		_	1
	2557	protein_coding		1353848		_	1
	2558	protein_coding		1353848		_	1
	2559	protein_coding		1352692		_	1
	2560			1353607		_	1
	2561	protein_coding		1353607		_	1
	2562	protein_coding		1361264		_	
	2562	protein_coding				_	1
		protein_coding		1352692		_	1
	2564	protein_coding		1373730		-	1
	2565	protein_coding		1373730		-	1
	2566	protein_coding		1374705		_	1
	2567	protein_coding		1374705		_	1
	2568	protein_coding		1374754		_	1
	2569	protein_coding		1374000		_	1
	2570	<pre>protein_coding</pre>		1374000		-	1
	2571	<pre>protein_coding</pre>		1373730		-	1
	2572	<pre>protein_coding</pre>		1373804		-	1
##	2573	<pre>protein_coding</pre>		1373801		-	1
	2574	<pre>protein_coding</pre>		1374757		-	1
##	2575	<pre>protein_coding</pre>	chr1	1373730	1373803	-	1
##	2576	<pre>protein_coding</pre>	chr1	1373730	1375495	-	1
##	2577	<pre>protein_coding</pre>	chr1	1375154	1375495	_	1
	2578	<pre>protein_coding</pre>	chr1	1374705	1374790	-	1
##	2579	protein_coding	chr1	1374705	1374756	-	1
##	2580	<pre>protein_coding</pre>	chr1	1374754	1374756	-	1
##	2581	protein_coding	chr1	1374000	1374445	-	1
##	2582	protein_coding	chr1	1374000	1374445	-	1
##	2583	protein_coding	chr1	1373730	1373902	_	1
##	2584	protein_coding	chr1	1373804	1373902	_	1
##	2585	protein_coding	chr1	1373801	1373803	-	1
##	2586	protein_coding	chr1	1375154	1375495	-	1
##	2587	protein_coding		1374757		-	1
##	2588	protein_coding	chr1	1373730	1373803	_	1
##	2589	protein_coding		1373732		_	1
	2590	protein_coding		1375075		_	1

	2591	protein_coding		1374705		_	1
	2592	<pre>protein_coding</pre>		1374705		_	1
	2593	<pre>protein_coding</pre>		1374754		-	1
	2594	<pre>protein_coding</pre>		1374000		-	1
##	2595	<pre>protein_coding</pre>	chr1	1374000	1374445	-	1
##	2596	<pre>protein_coding</pre>	chr1	1373732	1373902	-	1
##	2597	<pre>protein_coding</pre>	chr1	1373804	1373902	-	1
##	2598	<pre>protein_coding</pre>	chr1	1373801	1373803	_	1
##	2599	<pre>protein_coding</pre>	chr1	1375075	1375169	_	1
##	2600	protein_coding	chr1	1374757	1374790	-	1
##	2601	protein_coding	chr1	1373732	1373803	-	1
##	2602	protein_coding	chr1	1373737	1375173	-	1
##	2603	protein_coding	chr1	1374997	1375173	-	1
##	2604	protein_coding	chr1	1374705	1374790	_	1
##	2605	protein_coding	chr1	1374705	1374756	_	1
##	2606	protein_coding	chr1	1374754	1374756	_	1
##	2607	protein_coding	chr1	1374000	1374445	_	1
##	2608	protein_coding		1374000		_	1
##	2609	protein_coding		1373737		_	1
	2610	protein_coding		1373804		_	1
##	2611	protein_coding		1373801		_	1
	2612	protein_coding		1374997		_	1
	2613	protein_coding		1374757		_	1
	2614	protein_coding		1373737		_	1
	2615	processed_pseudogene		1378666		+	1
	2616	processed_pseudogene processed_pseudogene		1378666		+	1
	2617	processed_pseudogene processed_pseudogene		1378666		+	1
	2618	protein_coding		1385711		<u>.</u>	1
	2619			1385711		_	1
	2620	protein_coding		1399019		_	1
	2621	protein_coding		1399019		_	1
	2622	protein_coding		1399304		_	1
	2623	protein_coding		1398597		_	
		protein_coding				_	1
	2624 2625	protein_coding		1398597		_	1
		protein_coding		1398233		_	1
	2626	protein_coding		1398233		_	1
	2627	protein_coding		1395394		_	1
	2628	protein_coding		1395394		_	1
	2629	protein_coding		1393396		_	1
	2630	protein_coding		1393396		_	1
	2631	protein_coding		1390766		_	1
	2632	protein_coding		1390766		_	1
	2633	protein_coding		1390459		-	1
	2634	protein_coding		1390459		-	1
	2635	<pre>protein_coding</pre>		1390230		-	1
	2636	protein_coding		1390230		-	1
	2637	<pre>protein_coding</pre>		1387954		-	1
	2638	protein_coding		1387954		_	1
	2639	protein_coding		1387777		_	1
	2640	protein_coding		1387777		-	1
	2641	protein_coding		1385711		-	1
	2642	<pre>protein_coding</pre>	chr1	1387234	1387582	-	1
	2643	<pre>protein_coding</pre>		1387231		-	1
##	2644	<pre>protein_coding</pre>	chr1	1399307	1399335	-	1

##	2645	<pre>protein_coding</pre>	chr1	1385711	1387233	-	1
##	2646	<pre>protein_coding</pre>	chr1	1386503	1390943	-	1
##	2647	protein_coding	chr1	1390766	1390943	-	1
##	2648	protein_coding	chr1	1390766	1390858	-	1
##	2649	protein_coding	chr1	1390856	1390858	_	1
##	2650	protein_coding	chr1	1390459	1390563	_	1
##	2651	protein_coding	chr1	1390459	1390563	_	1
##	2652	protein_coding		1390315		_	1
##	2653	protein_coding		1390315		_	1
	2654	protein_coding		1390230		_	1
	2655	protein_coding		1390230		_	1
	2656	protein_coding		1388816		_	1
	2657	protein_coding		1388816		_	1
	2658	protein_coding		1388626		_	1
	2659	protein_coding		1388626		_	1
	2660	protein_coding		1388492		_	1
	2661	protein_coding		1388492		_	1
	2662	protein_coding		1387954		_	1
	2663	protein_coding		1387954		_	1
	2664	protein_coding		1387777		_	1
	2665			1387777		_	1
	2666	<pre>protein_coding protein_coding</pre>		1386503		_	1
	2667	-		1387234		_	1
	2668	protein_coding		1387231		_	1
	2669	protein_coding		1390859		_	1
	2670	protein_coding		1386503		_	
	2671	protein_coding				_	1
		protein_coding		1392288		_	1
	2672	protein_coding		1399019		-	1
	2673	protein_coding		1399019		-	1
	2674	protein_coding		1399304		-	1
	2675	protein_coding		1398597		_	1
	2676	protein_coding		1398597		_	1
	2677	protein_coding		1398233		_	1
	2678	protein_coding		1398233		_	1
	2679	protein_coding		1395394		-	1
	2680	protein_coding		1395394		-	1
	2681	protein_coding		1393396		-	1
	2682	protein_coding		1393396		-	1
	2683	<pre>protein_coding</pre>		1392288		_	1
	2684	<pre>protein_coding</pre>		1392785		-	1
	2685	<pre>protein_coding</pre>		1392782		-	1
	2686	<pre>protein_coding</pre>		1399307		-	1
	2687	<pre>protein_coding</pre>		1392288		-	1
	2688	${\tt lncRNA}$		1399520		+	1
##	2689	${\tt lncRNA}$		1399572		+	1
	2690	lncRNA		1399572		+	1
##	2691	${\tt lncRNA}$		1399981		+	1
##	2692	${\tt lncRNA}$		1400605		+	1
##	2693	<pre>protein_coding</pre>	chr1	1401909	1407293	-	1
##	2694	protein_coding	chr1	1401909	1407293	-	1
##	2695	protein_coding	chr1	1407131	1407293	_	1
##	2696	protein_coding	chr1	1407131	1407217	-	1
##	2697	protein_coding	chr1	1407215	1407217	_	1
##	2698	protein_coding	chr1	1406909	1407019	_	1

##	2699	<pre>protein_coding</pre>	chr1	1406909	1407019	-	1
##	2700	protein_coding	chr1	1405809	1405886	_	1
##	2701	protein_coding	chr1	1405809	1405886	_	1
##	2702	protein_coding	chr1	1401909	1402256	_	1
##	2703	protein_coding	chr1	1402086	1402256	_	1
##	2704	protein_coding	chr1	1402083	1402085	_	1
##	2705	protein_coding	chr1	1407218	1407293	_	1
##	2706	protein_coding		1401909		_	1
	2707	protein_coding		1405109		_	1
	2708	protein_coding		1407131		_	1
	2709	protein_coding		1407131		_	1
	2710	protein_coding		1407215		_	1
	2711	protein_coding		1406909		_	1
	2712	protein_coding		1406909		_	1
	2713	protein_coding		1405109		_	1
	2714	protein_coding		1405109		_	1
	2715	-		1405620		_	1
	2716	protein_coding		1407218		_	1
	2717	protein_coding		1407218		_	1
	2718	protein_coding				_	
		misc_RNA		1405460		-	1
	2719	misc_RNA		1405460		-	1
	2720	misc_RNA		1405460		-	1
	2721	lncRNA		1409096		+	0
	2722	lncRNA		1409096		+	0
	2723	lncRNA		1409096		+	0
	2724	protein_coding		1418420		-	1
	2725	protein_coding		1418420		-	1
	2726	<pre>protein_coding</pre>		1421133		-	1
	2727	<pre>protein_coding</pre>		1420816		-	1
	2728	<pre>protein_coding</pre>		1420816		-	1
	2729	<pre>protein_coding</pre>		1421003		-	1
	2730	<pre>protein_coding</pre>		1418420		-	1
	2731	<pre>protein_coding</pre>		1419545		-	1
##	2732	<pre>protein_coding</pre>	chr1	1419542	1419544	-	1
##	2733	<pre>protein_coding</pre>	chr1	1421133	1421444	-	1
##	2734	<pre>protein_coding</pre>	chr1	1418420	1419544	-	1
##	2735	<pre>protein_coding</pre>	chr1	1418420	1421769	-	1
##	2736	protein_coding	chr1	1421133	1421769	-	1
##	2737	protein_coding	chr1	1420797	1421005	-	1
##	2738	protein_coding	chr1	1420797	1421005	-	1
##	2739	protein_coding	chr1	1421003	1421005	-	1
##	2740	protein_coding	chr1	1418420	1419549	-	1
##	2741	protein_coding	chr1	1419237	1419549	-	1
##	2742	protein_coding	chr1	1419234	1419236	-	1
##	2743	protein_coding	chr1	1421133	1421769	-	1
##	2744	protein_coding	chr1	1418420	1419236	_	1
##	2745	protein_coding		1418422		_	1
	2746	protein_coding		1421133		_	1
	2747	protein_coding		1420797		-	1
	2748	protein_coding		1420797		_	1
	2749	protein_coding		1421003		_	1
	2750	protein_coding		1420052		_	1
	2751	protein_coding		1420052		_	1
	2752	protein_coding		1418422		_	1
	~_	r-3001112	J 1	- 110 122	_ 1100 10		-

##	2753	protein_coding	chr1	1419103	1419549	-	1
##	2754	<pre>protein_coding</pre>	chr1	1419100	1419102	-	1
##	2755	protein_coding	chr1	1421133	1421444	-	1
##	2756	<pre>protein_coding</pre>	chr1	1418422	1419102	-	1
##	2757	protein_coding	chr1	1418880	1421091	-	1
##	2758	protein_coding	chr1	1420797	1421091	-	1
##	2759	protein_coding	chr1	1420797	1421005	-	1
##	2760	protein_coding	chr1	1421003	1421005	_	1
##	2761	protein_coding	chr1	1420052	1420592	-	1
##	2762	protein_coding	chr1	1420052	1420592	_	1
##	2763	protein_coding	chr1	1418880	1419549	-	1
##	2764	protein_coding	chr1	1419103	1419549	-	1
##	2765	protein_coding	chr1	1419100	1419102	-	1
##	2766	protein_coding	chr1	1421006	1421091	-	1
##	2767	protein_coding	chr1	1418880	1419102	_	1
##	2768	protein_coding	chr1	1419138	1421260	-	1
##	2769	protein_coding	chr1	1420797	1421260	_	1
##	2770	protein_coding	chr1	1420797	1421005	-	1
##	2771	protein_coding		1421003		-	1
##	2772	protein_coding	chr1	1419138	1419549	_	1
##	2773	protein_coding		1419237		-	1
##	2774	protein_coding		1419234		-	1
##	2775	protein_coding	chr1	1421006	1421260	_	1
	2776	protein_coding		1419138		_	1
	2777	lncRNA		1420245		+	0
	2778	lncRNA		1420245		+	0
	2779	lncRNA		1420245		+	0
	2780	lncRNA		1422469		+	0
	2781	protein_coding		1426128		+	1
	2782	protein_coding		1426128		+	1
	2783	protein_coding		1426128		+	1
	2784	protein_coding		1426128		+	1
	2785	protein_coding		1426128		+	1
	2786	protein_coding		1427554		+	1
	2787	protein_coding		1427554		+	1
	2788	protein_coding		1427785		+	1
	2789	protein_coding		1427785		+	1
	2790	lncRNA		1430539		<u>-</u>	1
	2791	lncRNA		1430539		_	1
	2792	lncRNA		1434188		_	1
	2793	lncRNA		1430539		_	1
	2794	lncRNA		1430664		_	1
	2795	lncRNA		1434178		_	1
	2796	lncRNA		1430664		_	1
	2797	protein_coding		1434861		+	1
	2798	protein_coding		1435523		+	1
	2799	protein_coding protein_coding		1435523		+	1
	2800	protein_coding protein_coding		1435525		+	1
	2801	_		1435749		+	
		protein_coding					1
	2802	protein_coding		1437322		+	1
	2803	protein_coding		1437322		+ +	1
	2804	protein_coding		1437441			1
	2805	protein_coding		1439081		+	1
##	2806	<pre>protein_coding</pre>	cnrl	1435523	1435/48	+	1

##	2807	<pre>protein_coding</pre>	chr1	1437441	1437484	+	1
##	2808	<pre>protein_coding</pre>	chr1	1439081	1440765	+	1
##	2809	protein_coding	chr1	1435690	1442882	+	1
##	2810	protein_coding	chr1	1435690	1435821	+	1
##	2811	protein_coding	chr1	1435749	1435821	+	1
##	2812	protein_coding	chr1	1435749	1435751	+	1
##	2813	protein_coding	chr1	1436927	1437484	+	1
##	2814	protein_coding		1436927		+	1
##	2815	protein_coding		1439081		+	1
	2816	protein_coding		1439081		+	1
	2817	protein_coding		1439785		+	1
	2818	protein_coding		1435690		+	1
	2819	protein_coding		1439785		+	1
	2820	protein_coding		1449689		+	1
	2821	protein_coding		1449689		+	1
	2822	protein_coding		1449689		+	1
	2823	-		1450684		+	1
	2824	protein_coding		1450684		+	1
	2825	<pre>protein_coding protein_coding</pre>		1450004		+	1
	2826			1452046		+	1
	2827	protein_coding		1452365			
		protein_coding		1452365		+	1
	2828	protein_coding				+	1
	2829	protein_coding		1454345		+	1
	2830	protein_coding		1454345		+	1
	2831	protein_coding		1455460		+	1
	2832	protein_coding		1455460		+	1
	2833	protein_coding		1455791		+	1
	2834	protein_coding		1455791		+	1
	2835	<pre>protein_coding</pre>		1456225		+	1
	2836	<pre>protein_coding</pre>		1456225		+	1
	2837	<pre>protein_coding</pre>		1457129		+	1
	2838	<pre>protein_coding</pre>		1457129		+	1
	2839	<pre>protein_coding</pre>		1459161		+	1
##	2840	<pre>protein_coding</pre>	chr1	1459161	1459231	+	1
##	2841	<pre>protein_coding</pre>		1460750		+	1
##	2842	<pre>protein_coding</pre>	chr1	1460750	1460917	+	1
##	2843	<pre>protein_coding</pre>		1462600		+	1
##	2844	<pre>protein_coding</pre>	chr1	1462600	1462708	+	1
##	2845	<pre>protein_coding</pre>	chr1	1468384	1470158	+	1
##	2846	protein_coding	chr1	1468384	1468527	+	1
##	2847	protein_coding	chr1	1468528	1468530	+	1
##	2848	protein_coding	chr1	1449689	1450683	+	1
##	2849	protein_coding	chr1	1468528	1470158	+	1
##	2850	protein_coding	chr1	1471769	1497848	+	1
##	2851	protein_coding	chr1	1471769	1496202	+	1
##	2852	protein_coding	chr1	1471769	1472089	+	1
##	2853	protein_coding	chr1	1471885	1472089	+	1
##	2854	protein_coding		1471885		+	1
##	2855	protein_coding		1477274		+	1
	2856	protein_coding		1477274		+	1
	2857	protein_coding		1478644		+	1
	2858	protein_coding		1478644		+	1
	2859	protein_coding		1479049		+	1
	2860	protein_coding		1479049		+	1
		_ = = =================================					_

```
## 2861
                                                  chr1 1480867 1480936
                              protein_coding
                                                                                     1
## 2862
                                                  chr1 1480867 1480936
                             protein_coding
                                                                                     1
## 2863
                             protein_coding
                                                  chr1 1482138 1482303
                                                  chr1 1482138 1482303
## 2864
                             protein_coding
                                                                                     1
  2865
##
                                                  chr1 1482545 1482614
                                                                                     1
                             protein_coding
                                                  chr1 1482545 1482614
## 2866
                             protein_coding
                                                                              +
                                                                                     1
                                                  chr1 1485016 1485171
## 2867
                             protein_coding
                                                                                     1
                                                  chr1 1485016 1485171
## 2868
                             protein_coding
                                                                                     1
## 2869
                                                  chr1 1485782 1485838
                             protein_coding
                                                                                     1
## 2870
                             protein_coding
                                                  chr1 1485782 1485838
                                                                                     1
## 2871
                                                  chr1 1486110 1486235
                                                                                     1
                             protein_coding
## 2872
                                                  chr1 1486110 1486235
                                                                                     1
                              protein_coding
  2873
                                                  chr1 1486544 1486668
                                                                                     1
                             protein_coding
## 2874
                             protein_coding
                                                  chr1 1486544 1486668
## 2875
                                                  chr1 1487863 1487914
                                                                                     1
                             protein_coding
## 2876
                                                  chr1 1487863 1487914
                              protein_coding
## 2877
                                                  chr1 1489204 1489274
                                                                              +
                                                                                     1
                             protein_coding
## 2878
                                                  chr1 1489204 1489274
                                                                                     1
                             protein_coding
## 2879
                                                  chr1 1490257 1490424
                             protein_coding
                                                                                     1
  2880
                             protein_coding
                                                  chr1 1490257 1490424
                                                                                     1
                                                  chr1 1490563 1490671
##
  2881
                                                                                     1
                             protein_coding
                                                                              +
## 2882
                                                  chr1 1490563 1490671
                             protein_coding
## 2883
                                                  chr1 1495485 1496202
                             protein_coding
                                                                                     1
## 2884
                                                  chr1 1495485 1495814
                                                                                     1
                             protein_coding
## 2885
                             protein_coding
                                                  chr1 1495815 1495817
                                                                              +
                                                                                     1
  2886
                                                  chr1 1471769 1471884
                                                                                     1
                             protein_coding
##
   2887
                                                  chr1 1495815 1496202
                             protein_coding
                                                                                     1
                                                  chr1 1503250 1509452
   {\tt 2888 \ transcribed\_unprocessed\_pseudogene}
                                                                                     0
                                                  chr1 1503250 1509452
   2889 transcribed_unprocessed_pseudogene
                                                                                     0
                                                  chr1 1503250 1503661
                                                                                     0
   2890 transcribed_unprocessed_pseudogene
   {\tt 2891\ transcribed\_unprocessed\_pseudogene}
                                                  chr1 1509205 1509452
                                                                                     0
   2892 transcribed_unprocessed_pseudogene
                                                  chr1 1503582 1509351
                                                                              +
                                                                                     0
                                                  chr1 1503582 1503661
   2893 transcribed_unprocessed_pseudogene
                                                  chr1 1509205 1509351
                                                                                     0
   2894 transcribed_unprocessed_pseudogene
  2895
                                                  chr1 1512151 1534687
                              protein_coding
                                                                                     1
## 2896
                                                  chr1 1512151 1534685
                             protein_coding
                                                                              +
                                                                                     1
## 2897
                             protein_coding
                                                  chr1 1512151 1512473
## 2898
                                                  chr1 1512269 1512473
                             protein_coding
                                                                                     1
## 2899
                                                  chr1 1512269 1512271
                             protein_coding
                                                                                     1
## 2900
                                                  chr1 1516012 1516088
                             protein_coding
                                                                              +
                                                                                     1
## 2901
                                                  chr1 1516012 1516088
                                                                                     1
                             protein_coding
## 2902
                                                  chr1 1517311 1517412
                              protein_coding
                                                                                     1
## 2903
                             protein_coding
                                                  chr1 1517311 1517412
                                                                                     1
## 2904
                                                  chr1 1517716 1517775
                             protein_coding
                                                                                     1
## 2905
                                                  chr1 1517716 1517775
                                                                                     1
                             protein_coding
## 2906
                                                  chr1 1518921 1518990
                              protein_coding
                                                                                     1
                                                  chr1 1518921 1518990
## 2907
                                                                              +
                                                                                     1
                             protein_coding
## 2908
                             protein_coding
                                                  chr1 1520141 1520306
## 2909
                                                  chr1 1520141 1520306
                                                                              +
                                                                                     1
                             protein_coding
## 2910
                                                  chr1 1520548 1520617
                                                                                     1
                             protein_coding
## 2911
                                                  chr1 1520548 1520617
                             protein_coding
                                                                              +
                                                                                     1
## 2912
                             protein_coding
                                                  chr1 1522744 1522899
## 2913
                                                  chr1 1522744 1522899
                                                                                     1
                             protein_coding
## 2914
                                                  chr1 1523511 1523567
                             protein_coding
```

	2915	<pre>protein_coding</pre>		1523511		+	1
##	2916	<pre>protein_coding</pre>	chr1	1523839	1523964	+	1
##	2917	<pre>protein_coding</pre>	chr1	1523839	1523964	+	1
##	2918	protein_coding	chr1	1524273	1524397	+	1
##	2919	protein_coding	chr1	1524273	1524397	+	1
##	2920	protein_coding	chr1	1525240	1525291	+	1
##	2921	protein_coding	chr1	1525240	1525291	+	1
##	2922	protein_coding	chr1	1526461	1526531	+	1
##	2923	protein_coding	chr1	1526461	1526531	+	1
##	2924	protein_coding		1527695		+	1
##	2925	protein_coding		1527695		+	1
##	2926	protein_coding		1529223		+	1
##	2927	protein_coding		1529223		+	1
	2928	protein_coding		1533926		+	1
	2929	protein_coding		1533926		+	1
	2930	protein_coding		1534070		+	1
	2931	protein_coding		1512151		+	1
	2932	protein_coding		1534070		+	1
	2933	protein_coding		1512175		+	1
	2934	protein_coding		1512175		+	1
	2935	protein_coding		1512269		+	1
	2936	protein_coding		1512269		+	1
	2937	-		1516012		+	1
	2938	protein_coding		1516012		+	1
	2939	protein_coding		1517167		+	1
	2940	protein_coding		1517167		+	1
	2940	protein_coding		1517716			1
		protein_coding				+	
	2942	protein_coding		1517716		+	1
	2943	protein_coding		1518921		+	1
	2944	protein_coding		1518921		+	1
	2945	protein_coding		1520141		+	1
	2946	protein_coding		1520141		+	1
	2947	protein_coding		1520548		+	1
	2948	protein_coding		1520548		+	1
	2949	protein_coding		1522744		+	1
	2950	protein_coding		1522744		+	1
	2951	protein_coding		1523511		+	1
	2952	protein_coding		1523511		+	1
	2953	<pre>protein_coding</pre>		1523839		+	1
	2954	<pre>protein_coding</pre>		1523839		+	1
	2955	<pre>protein_coding</pre>		1524273		+	1
	2956	<pre>protein_coding</pre>		1524273		+	1
	2957	<pre>protein_coding</pre>		1525240		+	1
##	2958	<pre>protein_coding</pre>	chr1	1525240	1525291	+	1
##	2959	<pre>protein_coding</pre>	chr1	1526461	1526531	+	1
	2960	<pre>protein_coding</pre>		1526461		+	1
##	2961	<pre>protein_coding</pre>	chr1	1527695	1527862	+	1
##	2962	<pre>protein_coding</pre>		1527695		+	1
##	2963	<pre>protein_coding</pre>	chr1	1529223	1529331	+	1
##	2964	protein_coding	chr1	1529223	1529331	+	1
##	2965	protein_coding	chr1	1533926	1534685	+	1
##	2966	protein_coding	chr1	1533926	1534069	+	1
##	2967	protein_coding	chr1	1534070	1534072	+	1
##	2968	protein_coding	chr1	1512175	1512268	+	1

##	2969	<pre>protein_coding</pre>	chr1	1534070	1534685	+	1
##	2970	<pre>protein_coding</pre>	chr1	1512530	1534687	+	1
##	2971	protein_coding	chr1	1512530	1512690	+	1
##	2972	protein_coding	chr1	1516012	1516088	+	1
##	2973	protein_coding	chr1	1516044	1516088	+	1
##	2974	protein_coding	chr1	1516044	1516046	+	1
##	2975	protein_coding	chr1	1517311	1517412	+	1
##	2976	protein_coding		1517311		+	1
##	2977	protein_coding		1517716		+	1
	2978	protein_coding		1517716		+	1
	2979	protein_coding		1518921		+	1
	2980	protein_coding		1518921		+	1
	2981	protein_coding		1520141		+	1
	2982	protein_coding		1520141		+	1
	2983	protein_coding		1520548		+	1
	2984	protein_coding		1520548		+	1
	2985	protein_coding		1522744		+	1
	2986	protein_coding protein_coding		1522744		+	1
	2987			1523511		+	1
	2988	protein_coding		1523511			1
	2989	protein_coding		1523839		+	
		protein_coding		1523839		+	1
	2990	protein_coding				+	1
	2991	protein_coding		1524273		+	1
	2992	protein_coding		1524273		+	1
	2993	protein_coding		1525240		+	1
	2994	protein_coding		1525240		+	1
	2995	protein_coding		1526461		+	1
	2996	protein_coding		1526461		+	1
	2997	<pre>protein_coding</pre>		1527695		+	1
	2998	<pre>protein_coding</pre>		1527695		+	1
	2999	<pre>protein_coding</pre>		1529223		+	1
	3000	<pre>protein_coding</pre>		1529223		+	1
	3001	<pre>protein_coding</pre>		1533926		+	1
	3002	<pre>protein_coding</pre>		1533926		+	1
##	3003	<pre>protein_coding</pre>		1534070		+	1
##	3004	<pre>protein_coding</pre>	chr1	1512530	1512690	+	1
##	3005	<pre>protein_coding</pre>		1516012		+	1
##	3006	<pre>protein_coding</pre>	chr1	1534070	1534687	+	1
##	3007	<pre>protein_coding</pre>	chr1	1534778	1540624	-	1
##	3008	protein_coding	chr1	1534778	1540624	-	1
##	3009	protein_coding	chr1	1540290	1540624	-	1
##	3010	protein_coding	chr1	1540290	1540346	_	1
##	3011	protein_coding	chr1	1540344	1540346	_	1
##	3012	protein_coding	chr1	1539684	1539790	_	1
##	3013	protein_coding	chr1	1539684	1539790	_	1
##	3014	protein_coding	chr1	1535589	1535797	-	1
##	3015	protein_coding	chr1	1535589	1535797	-	1
##	3016	protein_coding	chr1	1534778	1535507	_	1
##	3017	protein_coding		1535362		_	1
	3018	protein_coding		1535359		_	1
	3019	protein_coding		1540347		_	1
	3020	protein_coding		1534778		_	1
	3021	protein_coding		1535207		_	1
	3022	protein_coding		1540420		_	1
							•

	3023	<pre>protein_coding</pre>		1540290		-	1
	3024	<pre>protein_coding</pre>		1540290		_	1
	3025	<pre>protein_coding</pre>		1540344		_	1
	3026	<pre>protein_coding</pre>		1539684		-	1
	3027	<pre>protein_coding</pre>		1539684		-	1
##	3028	<pre>protein_coding</pre>	chr1	1535589	1535797	-	1
##	3029	<pre>protein_coding</pre>	chr1	1535589	1535797	-	1
##	3030	<pre>protein_coding</pre>		1535207		-	1
	3031	<pre>protein_coding</pre>		1535362		-	1
##	3032	<pre>protein_coding</pre>	chr1	1535359	1535361	-	1
##	3033	<pre>protein_coding</pre>	chr1	1540420	1540453	-	1
##	3034	<pre>protein_coding</pre>		1540347		-	1
##	3035	<pre>protein_coding</pre>	chr1	1535207	1535361	-	1
##	3036	<pre>protein_coding</pre>	chr1	1539056	1540350	-	1
##	3037	<pre>protein_coding</pre>	chr1	1540290	1540350	-	1
##	3038	<pre>protein_coding</pre>	chr1	1540290	1540346	_	1
##	3039	<pre>protein_coding</pre>	chr1	1540344	1540346	_	1
##	3040	<pre>protein_coding</pre>	chr1	1539056	1539790	-	1
##	3041	<pre>protein_coding</pre>	chr1	1539683	1539790	-	1
##	3042	<pre>protein_coding</pre>	chr1	1539680	1539682	-	1
##	3043	<pre>protein_coding</pre>	chr1	1540347	1540350	-	1
##	3044	<pre>protein_coding</pre>	chr1	1539056	1539682	_	1
##	3045	<pre>protein_coding</pre>	chr1	1541673	1574863	_	1
##	3046	<pre>protein_coding</pre>	chr1	1541673	1574863	-	1
##	3047	<pre>protein_coding</pre>	chr1	1574478	1574863	-	1
##	3048	protein_coding	chr1	1574478	1574557	-	1
##	3049	protein_coding	chr1	1574555	1574557	-	1
##	3050	<pre>protein_coding</pre>	chr1	1564773	1564916	-	1
##	3051	<pre>protein_coding</pre>	chr1	1564773	1564916	-	1
##	3052	<pre>protein_coding</pre>	chr1	1544863	1545002	-	1
##	3053	protein_coding	chr1	1544863	1545002	-	1
##	3054	<pre>protein_coding</pre>	chr1	1543869	1543987	-	1
##	3055	protein_coding	chr1	1543869	1543987	-	1
##	3056	<pre>protein_coding</pre>	chr1	1541673	1542167	-	1
##	3057	protein_coding	chr1	1542069	1542167	-	1
##	3058	protein_coding	chr1	1542066	1542068	-	1
##	3059	protein_coding	chr1	1574558	1574863	-	1
##	3060	protein_coding	chr1	1541673	1542068	_	1
##	3061	protein_coding	chr1	1560848	1574584	-	1
##	3062	protein_coding	chr1	1574478	1574584	_	1
##	3063	protein_coding	chr1	1574478	1574557	-	1
##	3064	protein_coding	chr1	1574555	1574557	_	1
##	3065	protein_coding	chr1	1560848	1564916	_	1
##	3066	protein_coding	chr1	1564538	1564916	-	1
##	3067	protein_coding	chr1	1564535	1564537	_	1
##	3068	protein_coding	chr1	1574558	1574584	_	1
##	3069	protein_coding	chr1	1560848	1564537	_	1
##	3070	lncRNA	chr1	1574102	1577075	+	0
	3071	lncRNA		1574102		+	0
	3072	lncRNA		1574102		+	0
	3073	lncRNA		1575287		+	0
	3074	processed_pseudogene		1583510		_	0
	3075	processed_pseudogene		1583510		-	0
	3076	processed_pseudogene		1583510		_	0

##	3077	<pre>protein_coding</pre>		1598012		-	1
##	3078	protein_coding	chr1	1598012	1600135	-	1
##	3079	<pre>protein_coding</pre>	chr1	1598012	1600135	-	1
##	3080	protein_coding	chr1	1599338	1600015	-	1
##	3081	protein_coding	chr1	1600013	1600015	-	1
##	3082	protein_coding	chr1	1599335	1599337	-	1
##	3083	protein_coding	chr1	1598012	1599337	-	1
##	3084	protein_coding	chr1	1600016	1600135	_	1
##	3085	lncRNA	chr1	1600314	1602703	+	0
##	3086	${\tt lncRNA}$		1600314		+	0
##	3087	lncRNA		1600314		+	0
##	3088	lncRNA	chr1	1600657	1600706	+	0
	3089	lncRNA		1601193		+	0
	3090	lncRNA		1613758		_	0
	3091	lncRNA		1613758		_	0
	3092	lncRNA		1613758		_	0
	3093	protein_coding		1615415		+	1
	3094	protein_coding		1615415		+	1
	3095	protein_coding		1615415		+	1
	3096	protein_coding		1615460		+	1
	3097	protein_coding		1615460		+	1
	3098	protein_coding		1616508		+	1
	3099	-		1616508		+	1
	3100	protein_coding		1623389		+	1
	3101	protein_coding		1623389		+	1
	3102	protein_coding		1623774		+	1
	3103	protein_coding		1623774		+	1
	3104	protein_coding		1624795			1
	3105	protein_coding				+	
		protein_coding		1624795		+	1
	3106	protein_coding		1624991		+	1
	3107	protein_coding		1624991		+	1
	3108	protein_coding		1625286		+	1
	3109	protein_coding		1625286		+	1
	3110	protein_coding		1625558		+	1
	3111	protein_coding		1625558		+	1
	3112	protein_coding		1626650		+	1
	3113	protein_coding		1626650		+	1
	3114	protein_coding		1626837		+	1
	3115	protein_coding		1626837		+	1
	3116	protein_coding		1627074		+	1
	3117	protein_coding		1627074		+	1
	3118	protein_coding		1627296		+	1
	3119	<pre>protein_coding</pre>		1627296		+	1
	3120	<pre>protein_coding</pre>		1627673		+	1
	3121	<pre>protein_coding</pre>		1627673		+	1
	3122	<pre>protein_coding</pre>		1628019		+	1
	3123	<pre>protein_coding</pre>		1628019		+	1
	3124	<pre>protein_coding</pre>		1628273		+	1
	3125	<pre>protein_coding</pre>		1628273		+	1
	3126	<pre>protein_coding</pre>		1628489		+	1
	3127	<pre>protein_coding</pre>		1628489		+	1
	3128	<pre>protein_coding</pre>	chr1	1629133	1629311	+	1
	3129	<pre>protein_coding</pre>		1629133		+	1
##	3130	<pre>protein_coding</pre>	chr1	1629385	1629566	+	1

##	3131	<pre>protein_coding</pre>		1629385		+	1
##	3132	<pre>protein_coding</pre>	chr1	1629639	1629704	+	1
##	3133	<pre>protein_coding</pre>	chr1	1629639	1629704	+	1
##	3134	protein_coding	chr1	1630292	1630605	+	1
##	3135	protein_coding	chr1	1630292	1630527	+	1
##	3136	protein_coding	chr1	1630528	1630530	+	1
##	3137	protein_coding	chr1	1615415	1615459	+	1
##	3138	protein_coding	chr1	1630528	1630605	+	1
##	3139	protein_coding	chr1	1615421	1630610	+	1
##	3140	protein_coding		1615421		+	1
##	3141	protein_coding	chr1	1615460	1615633	+	1
##	3142	protein_coding		1615460		+	1
##	3143	protein_coding		1616508		+	1
##	3144	protein_coding		1616508		+	1
	3145	protein_coding		1623431		+	1
	3146	protein_coding		1623431		+	1
	3147	protein_coding		1623774		+	1
	3148	protein_coding		1623774		+	1
	3149	protein_coding		1624795		+	1
	3150	protein_coding		1624795		+	1
	3151	protein_coding		1624991		+	1
	3152	protein_coding		1624991		+	1
	3153	-		1625286		+	1
	3154	protein_coding		1625286		+	1
	3155	protein_coding		1625546		+	1
	3156	protein_coding		1625546		+	1
	3157	protein_coding		1626650		+	1
	3158	protein_coding					
		protein_coding		1626650		+	1
	3159	protein_coding		1626837		+	1
	3160	protein_coding		1626837		+	1
	3161	protein_coding		1627074		+	1
	3162	protein_coding		1627074		+	1
	3163	protein_coding		1627296		+	1
	3164	protein_coding		1627296		+	1
	3165	protein_coding		1627673		+	1
	3166	protein_coding		1627673		+	1
	3167	protein_coding		1628019		+	1
	3168	protein_coding		1628019		+	1
	3169	protein_coding		1628273		+	1
	3170	protein_coding		1628273		+	1
	3171	<pre>protein_coding</pre>		1628489		+	1
	3172	<pre>protein_coding</pre>		1628489		+	1
	3173	<pre>protein_coding</pre>		1629133		+	1
	3174	<pre>protein_coding</pre>		1629133		+	1
##	3175	<pre>protein_coding</pre>		1629385		+	1
	3176	<pre>protein_coding</pre>		1629385		+	1
	3177	<pre>protein_coding</pre>		1629639		+	1
	3178	<pre>protein_coding</pre>		1629639		+	1
	3179	<pre>protein_coding</pre>		1630292		+	1
	3180	<pre>protein_coding</pre>		1630292		+	1
##	3181	<pre>protein_coding</pre>	chr1	1630528	1630530	+	1
##	3182	<pre>protein_coding</pre>	chr1	1615421	1615459	+	1
	3183	<pre>protein_coding</pre>		1630528		+	1
##	3184	<pre>protein_coding</pre>	chr1	1615437	1630605	+	1

##	3185	<pre>protein_coding</pre>	chr1	1615437	1615633	+	1
##	3186	<pre>protein_coding</pre>	chr1	1615460	1615633	+	1
##	3187	protein_coding	chr1	1615460	1615462	+	1
##	3188	protein_coding	chr1	1616508	1616614	+	1
##	3189	protein_coding	chr1	1616508	1616614	+	1
##	3190	protein_coding	chr1	1623389	1623699	+	1
##	3191	protein_coding	chr1	1623389	1623699	+	1
##	3192	protein_coding	chr1	1623774	1623945	+	1
	3193	protein_coding		1623774		+	1
	3194	protein_coding		1624795		+	1
	3195	protein_coding		1624795		+	1
	3196	protein_coding		1625286		+	1
	3197	-		1625286		+	1
	3198	protein_coding		1625546			
		protein_coding				+	1
	3199	protein_coding		1625546		+	1
	3200	protein_coding		1626650		+	1
	3201	<pre>protein_coding</pre>		1626650		+	1
	3202	<pre>protein_coding</pre>		1626837		+	1
	3203	<pre>protein_coding</pre>		1626837		+	1
	3204	<pre>protein_coding</pre>		1627074		+	1
##	3205	<pre>protein_coding</pre>		1627074		+	1
##	3206	<pre>protein_coding</pre>	chr1	1627296	1627444	+	1
##	3207	<pre>protein_coding</pre>	chr1	1627296	1627444	+	1
##	3208	protein_coding	chr1	1627673	1627829	+	1
##	3209	protein_coding	chr1	1627673	1627829	+	1
##	3210	protein_coding	chr1	1628019	1628179	+	1
##	3211	protein_coding	chr1	1628019	1628179	+	1
##	3212	protein_coding	chr1	1628273	1628399	+	1
##	3213	protein_coding	chr1	1628273	1628399	+	1
##	3214	protein_coding	chr1	1628489	1628722	+	1
##	3215	protein_coding	chr1	1628489	1628722	+	1
##	3216	protein_coding	chr1	1629133	1629311	+	1
##	3217	protein_coding	chr1	1629133	1629311	+	1
##	3218	protein_coding		1629385		+	1
##	3219	protein_coding		1629385		+	1
	3220	protein_coding		1629639		+	1
	3221	protein_coding		1629639		+	1
	3222	protein_coding		1630292		+	1
	3223	protein_coding		1630292		+	1
	3224	protein_coding		1630528		+	1
	3225	-		1615437		+	1
	3226	protein_coding		1630528		+	1
		protein_coding		1615443			
	3227	protein_coding				+	1
	3228	protein_coding		1615443		+	1
	3229	protein_coding		1615460		+	1
	3230	protein_coding		1615460		+	1
	3231	protein_coding		1616508		+	1
	3232	protein_coding		1616508		+	1
	3233	protein_coding		1623389		+	1
	3234	<pre>protein_coding</pre>		1623389		+	1
	3235	<pre>protein_coding</pre>		1623774		+	1
	3236	<pre>protein_coding</pre>		1623774		+	1
	3237	<pre>protein_coding</pre>		1624795		+	1
##	3238	<pre>protein_coding</pre>	chr1	1624795	1624901	+	1

##	3239	<pre>protein_coding</pre>	chr1	1624991	1625185	+	1
##	3240	<pre>protein_coding</pre>	chr1	1624991	1625185	+	1
##	3241	protein_coding	chr1	1625286	1625428	+	1
##	3242	protein_coding	chr1	1625286	1625428	+	1
##	3243	protein_coding	chr1	1625546	1625653	+	1
##	3244	protein_coding	chr1	1625546	1625653	+	1
##	3245	protein_coding	chr1	1626650	1626754	+	1
##	3246	protein_coding		1626650		+	1
##	3247	protein_coding		1626837		+	1
	3248	protein_coding		1626837		+	1
	3249	protein_coding		1627074		+	1
	3250	protein_coding		1627074		+	1
	3251	protein_coding		1627296		+	1
	3252	protein_coding		1627296		+	1
	3253	protein_coding		1627673		+	1
	3254	protein_coding		1627673		+	1
	3255	protein_coding		1628019		+	1
	3256			1628019		+	1
	3257	protein_coding		1628273		+	1
	3258	protein_coding		1628273		+	1
	3259	protein_coding		1628489			
		protein_coding				+	1
	3260	protein_coding		1628489		+	1
	3261	protein_coding		1629133		+	1
	3262	protein_coding		1629133		+	1
	3263	protein_coding		1629385		+	1
	3264	protein_coding		1629385		+	1
	3265	protein_coding		1629639		+	1
	3266	protein_coding		1629639		+	1
	3267	<pre>protein_coding</pre>		1630292		+	1
	3268	<pre>protein_coding</pre>		1630292		+	1
	3269	<pre>protein_coding</pre>		1630528		+	1
	3270	<pre>protein_coding</pre>		1615443		+	1
	3271	<pre>protein_coding</pre>		1630528		+	1
	3272	<pre>protein_coding</pre>		1615905		+	1
##	3273	<pre>protein_coding</pre>		1615905		+	1
##	3274	<pre>protein_coding</pre>	chr1	1616508	1616614	+	1
##	3275	<pre>protein_coding</pre>	chr1	1623431	1623699	+	1
##	3276	<pre>protein_coding</pre>	chr1	1623453	1623699	+	1
##	3277	<pre>protein_coding</pre>	chr1	1623453	1623455	+	1
##	3278	protein_coding	chr1	1623774	1623945	+	1
##	3279	protein_coding	chr1	1623774	1623945	+	1
##	3280	protein_coding	chr1	1624795	1624901	+	1
##	3281	protein_coding	chr1	1624795	1624901	+	1
##	3282	protein_coding	chr1	1625286	1625428	+	1
##	3283	protein_coding	chr1	1625286	1625428	+	1
##	3284	protein_coding	chr1	1625546	1625653	+	1
##	3285	protein_coding	chr1	1625546	1625653	+	1
##	3286	protein_coding		1626650		+	1
##	3287	protein_coding		1626650		+	1
	3288	protein_coding		1626837		+	1
	3289	protein_coding		1626837		+	1
	3290	protein_coding		1627074		+	1
	3291	protein_coding		1627074		+	1
	3292	protein_coding		1627296		+	1
		_ = = =================================		•			-

	3293	<pre>protein_coding</pre>		1627296		+	1
##	3294	<pre>protein_coding</pre>	chr1	1627673	1627829	+	1
##	3295	<pre>protein_coding</pre>	chr1	1627673	1627829	+	1
##	3296	protein_coding	chr1	1628019	1628179	+	1
##	3297	protein_coding	chr1	1628019	1628179	+	1
##	3298	protein_coding	chr1	1628273	1628399	+	1
##	3299	protein_coding	chr1	1628273	1628399	+	1
##	3300	protein_coding	chr1	1628489	1628722	+	1
##	3301	protein_coding	chr1	1628489	1628722	+	1
##	3302	protein_coding		1629133		+	1
##	3303	protein_coding		1629133		+	1
	3304	protein_coding		1629639		+	1
	3305	protein_coding		1629639		+	1
	3306	protein_coding		1630292		+	1
	3307	protein_coding		1630292		+	1
	3308	protein_coding		1630299		+	1
	3309	protein_coding		1615905		+	1
	3310	protein_coding		1616508		+	1
	3311	protein_coding		1623431		+	1
	3312	protein_coding		1630299		+	1
	3313	protein_coding		1616310		+	1
	3314	protein_coding		1616310		+	1
	3315	-		1623389		+	1
	3316	protein_coding		16233411		+	1
	3317	protein_coding		1623411		+	1
	3318	protein_coding		1623774			
	3319	protein_coding				+	1
		protein_coding		1623774		+	1
	3320	protein_coding		1624795		+	1
	3321	protein_coding		1624795		+	1
	3322	protein_coding		1624991		+	1
	3323	protein_coding		1624991		+	1
	3324	protein_coding		1625286		+	1
	3325	protein_coding		1625286		+	1
	3326	<pre>protein_coding</pre>		1625546		+	1
	3327	protein_coding		1625546		+	1
	3328	<pre>protein_coding</pre>		1626650		+	1
	3329	<pre>protein_coding</pre>		1626650		+	1
	3330	<pre>protein_coding</pre>		1626837		+	1
	3331	<pre>protein_coding</pre>		1626837		+	1
	3332	<pre>protein_coding</pre>		1627074		+	1
##	3333	<pre>protein_coding</pre>	chr1	1627074	1627207	+	1
##	3334	<pre>protein_coding</pre>	chr1	1627296	1627444	+	1
##	3335	<pre>protein_coding</pre>	chr1	1627296	1627444	+	1
##	3336	<pre>protein_coding</pre>	chr1	1627673	1627829	+	1
##	3337	<pre>protein_coding</pre>		1627673		+	1
##	3338	<pre>protein_coding</pre>		1628019		+	1
##	3339	<pre>protein_coding</pre>	chr1	1628019	1628179	+	1
##	3340	protein_coding	chr1	1628273	1628399	+	1
##	3341	protein_coding	chr1	1628273	1628399	+	1
##	3342	protein_coding	chr1	1628489	1628722	+	1
##	3343	protein_coding	chr1	1628489	1628722	+	1
##	3344	protein_coding	chr1	1629133	1629311	+	1
##	3345	protein_coding	chr1	1629133	1629311	+	1
##	3346	protein_coding	chr1	1629385	1629566	+	1
		-					

##	3347	<pre>protein_coding</pre>		1629385		+	1
##	3348	protein_coding	chr1	1629639	1629704	+	1
##	3349	<pre>protein_coding</pre>	chr1	1629639	1629704	+	1
##	3350	protein_coding	chr1	1630292	1630604	+	1
##	3351	protein_coding	chr1	1630292	1630527	+	1
##	3352	protein_coding	chr1	1630528	1630530	+	1
##	3353	protein_coding	chr1	1616310	1616614	+	1
##	3354	protein_coding	chr1	1623389	1623410	+	1
##	3355	protein_coding	chr1	1630528	1630604	+	1
##	3356	protein_coding	chr1	1617560	1630604	+	1
##	3357	protein_coding		1617560		+	1
##	3358	protein_coding		1623431		+	1
##	3359	protein_coding		1623453		+	1
	3360	protein_coding		1623453		+	1
	3361	protein_coding		1623774		+	1
	3362	protein_coding		1623774		+	1
	3363	protein_coding		1624795		+	1
	3364	protein_coding		1624795		+	1
	3365	protein_coding		1624991		+	1
	3366	protein_coding		1624991		+	1
	3367	protein_coding		1625286		+	1
	3368	protein_coding		1625286		+	1
	3369			1626650		+	1
	3370	<pre>protein_coding protein_coding</pre>		1626650		+	1
	3371			1626837		+	1
	3372	protein_coding		1626837		+	1
	3373	protein_coding		1627074		+	1
	3374	protein_coding					
		protein_coding		1627074		+	1
	3375	protein_coding		1627296		+	1
	3376	protein_coding		1627296		+	1
	3377	protein_coding		1627673		+	1
	3378	protein_coding		1627673		+	1
	3379	protein_coding		1628019		+	1
	3380	protein_coding		1628019		+	1
	3381	protein_coding		1628273		+	1
	3382	protein_coding		1628273		+	1
	3383	protein_coding		1628489		+	1
	3384	protein_coding		1628489		+	1
	3385	protein_coding		1629133		+	1
	3386	protein_coding		1629133		+	1
	3387	<pre>protein_coding</pre>		1629385		+	1
	3388	<pre>protein_coding</pre>		1629385		+	1
	3389	<pre>protein_coding</pre>		1629639		+	1
	3390	<pre>protein_coding</pre>		1629639		+	1
	3391	<pre>protein_coding</pre>		1630292		+	1
	3392	<pre>protein_coding</pre>		1630292		+	1
	3393	<pre>protein_coding</pre>		1630528		+	1
	3394	<pre>protein_coding</pre>		1617560		+	1
	3395	<pre>protein_coding</pre>		1623431		+	1
	3396	<pre>protein_coding</pre>		1630528		+	1
##	3397	<pre>protein_coding</pre>	chr1	1632095	1635263	+	1
##	3398	<pre>protein_coding</pre>	chr1	1632095	1634654	+	1
##	3399	<pre>protein_coding</pre>		1632095		+	1
##	3400	<pre>protein_coding</pre>	chr1	1632219	1632374	+	1

	3401	<pre>protein_coding</pre>		1632219		+	1
##	3402	<pre>protein_coding</pre>	chr1	1632783	1632913	+	1
##	3403	<pre>protein_coding</pre>	chr1	1632783	1632913	+	1
##	3404	<pre>protein_coding</pre>	chr1	1632981	1633120	+	1
##	3405	<pre>protein_coding</pre>	chr1	1632981	1633120	+	1
##	3406	<pre>protein_coding</pre>	chr1	1633188	1633355	+	1
##	3407	<pre>protein_coding</pre>	chr1	1633188	1633355	+	1
##	3408	protein_coding	${\tt chr1}$	1633748	1633912	+	1
##	3409	protein_coding	${\tt chr1}$	1633748	1633912	+	1
##	3410	<pre>protein_coding</pre>	chr1	1633989	1634099	+	1
##	3411	protein_coding	${\tt chr1}$	1633989	1634099	+	1
##	3412	protein_coding	${\tt chr1}$	1634202	1634328	+	1
##	3413	protein_coding	chr1	1634202	1634328	+	1
##	3414	protein_coding	chr1	1634451	1634654	+	1
##	3415	protein_coding	chr1	1634451	1634622	+	1
##	3416	protein_coding	chr1	1634623	1634625	+	1
##	3417	protein_coding	chr1	1632095	1632218	+	1
##	3418	protein_coding	chr1	1634623	1634654	+	1
##	3419	protein_coding	chr1	1632179	1634654	+	1
##	3420	protein_coding	chr1	1632179	1632374	+	1
##	3421	protein_coding	chr1	1632219	1632374	+	1
##	3422	protein_coding	chr1	1632219	1632221	+	1
##	3423	protein_coding	chr1	1632783	1632913	+	1
##	3424	protein_coding		1632783		+	1
##	3425	protein_coding		1632981		+	1
	3426	protein_coding		1632981		+	1
	3427	protein_coding		1633748		+	1
##	3428	protein_coding		1633748		+	1
	3429	protein_coding		1633989		+	1
	3430	protein_coding		1633989		+	1
	3431	protein_coding		1634202		+	1
	3432	protein_coding		1634202		+	1
	3433	protein_coding		1634451		+	1
	3434	protein_coding		1634451		+	1
	3435	protein_coding		1634544		+	1
	3436	protein_coding		1632179		+	1
	3437	protein_coding		1634544		+	1
	3438	protein_coding		1635227		_	1
	3439	protein_coding		1635227		_	1
	3440	protein_coding		1658914		_	1
	3441	protein_coding protein_coding		1657375		_	1
	3442	protein_coding		1657375		_	1
	3443			1657483		_	1
	3444	<pre>protein_coding protein_coding</pre>		1655369		_	1
	3445			1655369		_	1
	3446	<pre>protein_coding protein_coding</pre>		1652439			1
	3447 3448	protein_coding		1652439 1649499		_	1 1
	3449	protein_coding		1649499		_	1
		protein_coding				_	
	3450	protein_coding		1645126		_	1
	3451	protein_coding		1645126		_	1
	3452	protein_coding		1642386		_	1
	3453	protein_coding		1642386		_	1
##	3454	<pre>protein_coding</pre>	cnrl	1641906	1042001	_	1

##	3455	<pre>protein_coding</pre>	chr1	1641906	1642001	_	1
##	3456	<pre>protein_coding</pre>	chr1	1641662	1641820	-	1
##	3457	protein_coding	chr1	1641662	1641820	-	1
##	3458	protein_coding	chr1	1641048	1641113	_	1
##	3459	protein_coding	chr1	1641048	1641113	_	1
##	3460	protein_coding	chr1	1640277	1640452	_	1
##	3461	protein_coding	chr1	1640277	1640452	_	1
##	3462	protein_coding	chr1	1638500	1638590	_	1
##	3463	protein_coding		1638500		_	1
	3464	protein_coding		1637762		_	1
	3465	protein_coding		1637762		_	1
	3466	protein_coding		1637408		_	1
	3467	protein_coding		1637408		_	1
	3468	protein_coding		1637081		_	1
	3469	protein_coding		1637081		_	1
	3470	protein_coding		1636897		_	1
	3471	protein_coding		1636897		_	1
	3472			1636682		_	1
	3473	protein_coding		1636682		_	1
	3474	protein_coding		1636333		_	1
	3475	protein_coding		1636333		_	
		protein_coding		1635937		_	1
	3476	protein_coding				_	1
	3477	protein_coding		1635937		_	1
	3478	protein_coding		1635227		_	1
	3479	protein_coding		1635767		_	1
	3480	protein_coding		1635764		_	1
	3481	protein_coding		1658914		_	1
	3482	protein_coding		1657486		_	1
	3483	<pre>protein_coding</pre>		1635227		-	1
	3484	<pre>protein_coding</pre>		1635587		_	1
	3485	<pre>protein_coding</pre>		1658914		_	1
	3486	<pre>protein_coding</pre>		1657375		_	1
	3487	<pre>protein_coding</pre>		1657375		-	1
	3488	<pre>protein_coding</pre>		1657483		-	1
	3489	<pre>protein_coding</pre>	chr1	1655369	1655484	_	1
	3490	<pre>protein_coding</pre>		1655369		-	1
##	3491	<pre>protein_coding</pre>	chr1	1652439	1652566	_	1
##	3492	<pre>protein_coding</pre>	chr1	1652439	1652566	_	1
##	3493	<pre>protein_coding</pre>	chr1	1649499	1649637	-	1
##	3494	protein_coding	chr1	1649499	1649637	-	1
##	3495	protein_coding	chr1	1645126	1645262	-	1
##	3496	protein_coding	chr1	1645126	1645262	-	1
##	3497	protein_coding	chr1	1642347	1642508	_	1
##	3498	protein_coding	chr1	1642347	1642508	-	1
##	3499	protein_coding	chr1	1641906	1642001	-	1
##	3500	protein_coding	chr1	1641906	1642001	_	1
##	3501	protein_coding	chr1	1641662	1641820	_	1
##	3502	protein_coding		1641662		_	1
##	3503	protein_coding		1641048		_	1
	3504	protein_coding		1641048		_	1
	3505	protein_coding		1640277		_	1
	3506	protein_coding		1640277		_	1
	3507	protein_coding		1638500		_	1
	3508	protein_coding		1638500		_	1
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##	3509	<pre>protein_coding</pre>	chr1	1637762	1637883	-	1
##	3510	<pre>protein_coding</pre>	chr1	1637762	1637883	-	1
##	3511	protein_coding	chr1	1637408	1637513	-	1
##	3512	protein_coding	chr1	1637408	1637513	-	1
##	3513	protein_coding	chr1	1637081	1637202	-	1
##	3514	protein_coding	chr1	1637081	1637202	_	1
##	3515	protein_coding	chr1	1636897	1637004	_	1
##	3516	protein_coding		1636897		_	1
##	3517	protein_coding		1636682		_	1
	3518	protein_coding		1636682		_	1
	3519	protein_coding		1636333		_	1
##	3520	protein_coding		1636333		_	1
	3521	protein_coding		1635937		_	1
	3522	protein_coding		1635937		_	1
	3523	protein_coding		1635587		_	1
	3524	protein_coding		1635767		_	1
	3525	protein_coding		1635764		_	1
	3526	protein_coding		1658914		_	1
	3527	protein_coding		1657486		_	1
	3528	protein_coding		1635587		_	1
	3529	protein_coding		1635738		_	1
	3530	protein_coding		1658914		_	1
	3531	protein_coding protein_coding		1657375		_	1
	3532			1657256			1
	3533	protein_coding		1657256		_	1
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	3534 3535	protein_coding				_	1
		protein_coding		1655369		_	1
	3536	protein_coding		1655369		-	1
	3537	protein_coding		1652439		-	1
	3538	protein_coding		1652439		-	1
	3539	protein_coding		1649499		-	1
	3540	protein_coding		1649499		-	1
	3541	protein_coding		1645126		-	1
	3542	<pre>protein_coding</pre>		1645126		-	1
	3543	protein_coding		1642386		-	1
	3544	<pre>protein_coding</pre>		1642386		-	1
	3545	<pre>protein_coding</pre>		1641906		-	1
	3546	<pre>protein_coding</pre>		1641906		-	1
	3547	<pre>protein_coding</pre>		1641662		-	1
	3548	<pre>protein_coding</pre>		1641662		-	1
	3549	<pre>protein_coding</pre>		1641048		-	1
##	3550	<pre>protein_coding</pre>		1641048		-	1
##	3551	<pre>protein_coding</pre>	chr1	1640277	1640452	-	1
##	3552	<pre>protein_coding</pre>	chr1	1640277	1640452	-	1
##	3553	<pre>protein_coding</pre>		1638500		-	1
##	3554	<pre>protein_coding</pre>		1638500		-	1
##	3555	<pre>protein_coding</pre>	chr1	1637762	1637883	-	1
##	3556	<pre>protein_coding</pre>	chr1	1637762	1637883	-	1
##	3557	<pre>protein_coding</pre>	chr1	1637408	1637513	-	1
##	3558	<pre>protein_coding</pre>	chr1	1637408	1637513	-	1
##	3559	protein_coding	chr1	1637081	1637202	-	1
##	3560	protein_coding	chr1	1637081	1637202	-	1
##	3561	protein_coding	chr1	1636897	1637004	-	1
##	3562	protein_coding	chr1	1636897	1637004	-	1

##	3563	<pre>protein_coding</pre>	chr1	1636682	1636798	-	1
##	3564	protein_coding	chr1	1636682	1636798	-	1
##	3565	protein_coding	chr1	1636333	1636481	-	1
##	3566	protein_coding	chr1	1636333	1636481	-	1
##	3567	protein_coding	chr1	1635937	1636126	-	1
##	3568	protein_coding	chr1	1635937	1636126	-	1
##	3569	protein_coding	chr1	1635738	1635856	_	1
##	3570	protein_coding		1635767		_	1
##	3571	protein_coding		1635764		_	1
	3572	protein_coding		1658914		_	1
	3573	protein_coding		1657375		_	1
	3574	protein_coding		1657265		_	1
	3575	protein_coding		1635738		_	1
	3576	protein_coding		1635738		_	1
	3577	protein_coding		1658914		_	1
	3578	protein_coding		1657375		_	1
	3579	-		1657375		_	1
	3580	protein_coding		1657483			1
	3581	protein_coding		1655369		_	1
	3582	protein_coding		1655369		_	
	3583	protein_coding				_	1
		protein_coding		1646111		_	1
	3584	protein_coding		1646111		-	1
	3585	protein_coding		1645953		-	1
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	3587	protein_coding		1645773		-	1
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	3590	<pre>protein_coding</pre>		1645460		-	1
	3591	<pre>protein_coding</pre>		1645126		-	1
	3592	<pre>protein_coding</pre>		1645126		-	1
##	3593	<pre>protein_coding</pre>	chr1	1642386	1642508	-	1
##	3594	<pre>protein_coding</pre>	chr1	1642386	1642508	-	1
##	3595	<pre>protein_coding</pre>	chr1	1641906	1642001	-	1
##	3596	protein_coding	chr1	1641906	1642001	-	1
##	3597	protein_coding	chr1	1641662	1641820	-	1
##	3598	protein_coding	chr1	1641662	1641820	-	1
##	3599	protein_coding	chr1	1641048	1641113	-	1
##	3600	protein_coding	chr1	1641048	1641113	-	1
##	3601	protein_coding	chr1	1640277	1640452	-	1
##	3602	protein_coding	chr1	1640277	1640452	-	1
##	3603	protein_coding	chr1	1638500	1638590	-	1
##	3604	protein_coding	chr1	1638500	1638590	_	1
	3605	protein_coding		1637762		_	1
	3606	protein_coding		1637762		_	1
##	3607	protein_coding		1637408		_	1
	3608	protein_coding		1637408		_	1
	3609	protein_coding		1637081		_	1
	3610	protein_coding		1637081		_	1
	3611	protein_coding		1636897		_	1
	3612	protein_coding		1636897		_	1
	3613	protein_coding		1636682		_	1
	3614	protein_coding		1636682		_	1
	3615	protein_coding		1636333		_	1
	3616	protein_coding protein_coding		1636333		_	1
##	0010	broceru-couring	CIII I	1000000	1000401	-	T

	3617	<pre>protein_coding</pre>		1635937		-	1
##	3618	<pre>protein_coding</pre>	chr1	1635937	1636126	_	1
##	3619	<pre>protein_coding</pre>	chr1	1635738	1635856	-	1
##	3620	protein_coding	chr1	1635767	1635856	-	1
##	3621	protein_coding	chr1	1635764	1635766	-	1
##	3622	protein_coding	chr1	1658914	1659012	-	1
##	3623	protein_coding	chr1	1657486	1657498	-	1
##	3624	protein_coding	chr1	1635738	1635766	_	1
##	3625	protein_coding	chr1	1635738	1659012	_	1
##	3626	protein_coding		1658914		_	1
##	3627	protein_coding		1657375		_	1
##	3628	protein_coding		1657375		_	1
	3629	protein_coding		1657483		_	1
	3630	protein_coding		1655369		_	1
	3631	protein_coding		1655369		_	1
	3632	protein_coding		1646126		_	1
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	3634	protein_coding		1645773		_	1
	3635	protein_coding		1645773		_	1
	3636	protein_coding		1645579		_	1
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	3639	-		1645126		_	1
	3640	<pre>protein_coding protein_coding</pre>		1642386		_	1
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	3643	protein_coding		1641906		_	1
	3644	protein_coding				_	
	3645	protein_coding		1641662		_	1
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	3657	<pre>protein_coding</pre>		1637081		_	1
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	3660	<pre>protein_coding</pre>		1636682		-	1
	3661	<pre>protein_coding</pre>		1636682		-	1
##	3662	<pre>protein_coding</pre>		1636333		-	1
	3663	<pre>protein_coding</pre>		1636333		_	1
	3664	<pre>protein_coding</pre>		1635937		_	1
##	3665	<pre>protein_coding</pre>		1635937		_	1
##	3666	<pre>protein_coding</pre>		1635738		_	1
##	3667	<pre>protein_coding</pre>	chr1	1635767	1635856	-	1
	3668	<pre>protein_coding</pre>	chr1	1635764	1635766	-	1
	3669	<pre>protein_coding</pre>		1658914		_	1
##	3670	<pre>protein_coding</pre>	chr1	1657486	1657498	_	1

	3671	<pre>protein_coding</pre>		1635738		_	1
##	3672	protein_coding	chr1	1635738	1659012	-	1
##	3673	<pre>protein_coding</pre>	chr1	1658914	1659012	-	1
##	3674	protein_coding	chr1	1657375	1657498	-	1
##	3675	protein_coding	chr1	1657375	1657485	_	1
##	3676	protein_coding	chr1	1657483	1657485	-	1
##	3677	protein_coding	chr1	1655369	1655484	-	1
##	3678	protein_coding	chr1	1655369	1655484	_	1
##	3679	protein_coding	chr1	1645998	1646048	_	1
##	3680	protein_coding	chr1	1645998	1646048	_	1
##	3681	protein_coding		1645773		_	1
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	3686	protein_coding		1645460		_	1
	3687	protein_coding		1645126		_	1
	3688	protein_coding		1645126		_	1
	3689	protein_coding		1642386		_	1
	3690	protein_coding		1642386		_	1
	3691			1641906		_	1
	3692	<pre>protein_coding protein_coding</pre>		1641906		_	1
	3693	protein_coding		1641662		_	1
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	3695	protein_coding		1641048		_	1
	3696	protein_coding		1641048		_	
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		protein_coding		1640277		_	1
	3698	protein_coding		1640277		_	1
	3699	protein_coding		1638500		_	1
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	3701	protein_coding		1637762		_	1
	3702	protein_coding		1637762		_	1
	3703	protein_coding		1637408		_	1
	3704	<pre>protein_coding</pre>		1637408		-	1
	3705	protein_coding		1637081		-	1
	3706	<pre>protein_coding</pre>		1637081		_	1
##	3707	<pre>protein_coding</pre>		1636897		_	1
	3708	<pre>protein_coding</pre>		1636897		-	1
	3709	<pre>protein_coding</pre>		1636682		-	1
	3710	<pre>protein_coding</pre>		1636682		-	1
	3711	<pre>protein_coding</pre>		1636333		_	1
##	3712	<pre>protein_coding</pre>	chr1	1636333	1636481	-	1
##	3713	<pre>protein_coding</pre>	chr1	1635937	1636126	-	1
##	3714	<pre>protein_coding</pre>	chr1	1635937	1636126	-	1
##	3715	<pre>protein_coding</pre>	chr1	1635738	1635856	_	1
##	3716	<pre>protein_coding</pre>	chr1	1635767	1635856	-	1
##	3717	<pre>protein_coding</pre>		1635764		-	1
##	3718	protein_coding	chr1	1658914	1659012	-	1
##	3719	protein_coding	chr1	1657486	1657498	-	1
##	3720	protein_coding	chr1	1635738	1635766	-	1
##	3721	lncRNA	chr1	1659325	1662602	+	0
##	3722	lncRNA	chr1	1659325	1662602	+	0
##	3723	lncRNA	chr1	1659325	1659452	+	0
##	3724	lncRNA	chr1	1662331	1662602	+	0

##	3725	<pre>protein_coding</pre>	chr1	1659529	1692728	-	1
##	3726	<pre>protein_coding</pre>	chr1	1659529	1692724	-	1
##	3727	<pre>protein_coding</pre>	chr1	1692449	1692724	-	1
##	3728	<pre>protein_coding</pre>	chr1	1690976	1691393	-	1
##	3729	protein_coding	chr1	1676378	1676846	-	1
##	3730	protein_coding	chr1	1676378	1676699	-	1
##	3731	protein_coding	chr1	1676697	1676699	_	1
##	3732	protein_coding	chr1	1676064	1676199	_	1
##	3733	protein_coding	chr1	1676064	1676199	_	1
##	3734	protein_coding		1675463		_	1
##	3735	protein_coding		1675463		_	1
##	3736	protein_coding		1668327		_	1
##	3737	protein_coding		1668327		_	1
	3738	protein_coding		1659529		_	1
	3739	protein_coding		1660106		_	1
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	3741	protein_coding		1692449		_	1
	3742	protein_coding		1690976		_	1
	3743	protein_coding		1676700		_	1
	3744	protein_coding		1659529		_	1
	3745	protein_coding		1661478		_	1
	3746	protein_coding protein_coding		1692449		_	1
	3747	protein_coding protein_coding		1690976		_	1
	3748			1676378			1
	3749	protein_coding		1676378		_	
	3750	protein_coding		1676697		_	1
	3750 3751	protein_coding				_	1
		protein_coding		1676064		_	1
	3752	protein_coding		1676064		_	1
	3753	protein_coding		1675463		_	1
	3754	protein_coding		1675463		_	1
	3755	protein_coding		1671509		_	1
	3756	protein_coding		1671509		-	1
	3757	<pre>protein_coding</pre>		1670098		-	1
	3758	<pre>protein_coding</pre>		1670098		-	1
	3759	<pre>protein_coding</pre>		1669664		-	1
	3760	<pre>protein_coding</pre>		1669664		-	1
##	3761	<pre>protein_coding</pre>		1668327		-	1
##	3762	<pre>protein_coding</pre>	chr1	1668327	1668472	-	1
##	3763	<pre>protein_coding</pre>	chr1	1661478	1666019	-	1
##	3764	<pre>protein_coding</pre>	chr1	1665785	1666019	-	1
##	3765	<pre>protein_coding</pre>	chr1	1665782	1665784	-	1
	3766	<pre>protein_coding</pre>	chr1	1692449	1692644	-	1
##	3767	protein_coding	chr1	1690976	1691393	-	1
##	3768	<pre>protein_coding</pre>	chr1	1676700	1676846	-	1
##	3769	protein_coding	chr1	1661478	1665784	-	1
##	3770	protein_coding	chr1	1661479	1692728	-	1
##	3771	protein_coding	chr1	1692449	1692728	-	1
##	3772	protein_coding	chr1	1676378	1676846	-	1
##	3773	protein_coding	chr1	1676378	1676699	-	1
##	3774	protein_coding	chr1	1676697	1676699	-	1
##	3775	protein_coding	chr1	1676064	1676199	_	1
##	3776	protein_coding	chr1	1676064	1676199	-	1
##	3777	protein_coding		1675463		_	1
	3778	protein_coding	chr1	1675463	1675590	_	1

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## 3779
                                                  chr1 1671509 1671629
                              protein_coding
                                                                                     1
## 3780
                                                  chr1 1671509 1671629
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                             protein_coding
## 3781
                             protein_coding
                                                  chr1 1670098 1670151
  3782
                                                  chr1 1670098 1670151
                             protein_coding
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                                                  chr1 1669664 1669736
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  3784
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                                                  chr1 1668327 1668472
  3785
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                             protein_coding
                                                  chr1 1668327 1668472
## 3786
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                             protein_coding
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                                                  chr1 1665785 1666019
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                                                  chr1 1665782 1665784
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##
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##
   3791
                                                  chr1 1676700 1676846
                                                                                     1
                             protein_coding
   3792
##
                             protein_coding
                                                  chr1 1661479 1665784
##
  3793
                                                  chr1 1671990 1674397
          transcribed_processed_pseudogene
                                                                              +
                                                                                     0
## 3794
                                                  chr1 1671990 1673411
                                                                                     0
          transcribed_processed_pseudogene
  3795
                                                  chr1 1671990 1673411
##
                                                                              +
                                                                                     0
          transcribed_processed_pseudogene
   3796
                                                  chr1 1673275 1674397
          transcribed_processed_pseudogene
  3797
                                                  chr1 1673275 1673379
##
          {\tt transcribed\_processed\_pseudogene}
                                                                                     0
  3798
          transcribed_processed_pseudogene
                                                  chr1 1674001 1674397
                                                                                     0
##
  3799
                                                  chr1 1699942 1701782
                                                                              +
                                                                                     1
                     unprocessed_pseudogene
  3800
                                                  chr1 1699942 1701782
                     unprocessed_pseudogene
                                                                                     1
## 3801
                                                  chr1 1699942 1700072
                     unprocessed_pseudogene
                                                                              +
                                                                                     1
   3802
                                                  chr1 1700140 1700279
                                                                                     1
                     unprocessed_pseudogene
                                                  chr1 1700347 1700514
## 3803
                     unprocessed_pseudogene
                                                                              +
                                                                                     1
   3804
                     unprocessed_pseudogene
                                                  chr1 1700907 1701071
                                                                                     1
   3805
                                                  chr1 1701148 1701258
##
                     unprocessed_pseudogene
                                                                                     1
##
   3806
                                                  chr1 1701361 1701487
                                                                                     1
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   3807
                                                  chr1 1701608 1701782
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   3808
                                                  chr1 1702379 1724357
                             protein_coding
                                                                                     1
##
  3809
                             protein_coding
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##
  3810
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                                                                                     1
                              protein_coding
   3811
                                                  chr1 1722708 1722831
                              protein_coding
  3812
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##
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                              protein_coding
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                                                                                     1
   3814
                                                  chr1 1721596 1721711
##
                                                                                     1
                             protein_coding
  3815
                             protein_coding
                                                  chr1 1721596 1721711
## 3816
                                                  chr1 1719328 1719455
                             protein_coding
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  3817
                                                  chr1 1719328 1719455
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##
  3818
                                                  chr1 1716346 1716478
                             protein_coding
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   3819
                                                  chr1 1716346 1716478
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## 3832
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## 4099
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## 4102
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##	4111	<pre>protein_coding</pre>	chr1	1739236	1739557	-	1
##	4112	<pre>protein_coding</pre>	chr1	1739555	1739557	-	1
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##	4114	<pre>protein_coding</pre>	chr1	1738922	1739057	-	1
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##	4116	<pre>protein_coding</pre>	chr1	1738321	1738448	-	1
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##	4142	protein_coding	chr1	1727386	1732457	-	1
##	4143	protein_coding	chr1	1751232	1780457	-	1
##	4144	protein_coding	chr1	1751232	1778470	-	1
##	4145	protein_coding	chr1	1778289	1778470	-	1
##	4146	protein_coding	chr1	1765228	1765446	-	1
##	4147	protein_coding	chr1	1765228	1765406	-	1
##	4148	protein_coding	chr1	1765404	1765406	-	1
##	4149	protein_coding	chr1	1761952	1762035	-	1
##	4150	protein_coding	chr1	1761952	1762035	-	1
##	4151	protein_coding	chr1	1757181	1757310	-	1
##	4152	protein_coding		1757181		_	1
##	4153	protein_coding		1756503		-	1
	4154	protein_coding		1756503		-	1
##	4155	protein_coding		1756258		-	1
##	4156	protein_coding		1756258		-	1
		- = 0					

##	4157	<pre>protein_coding</pre>	chr1	1755374	1755476	_	1
##	4158	<pre>protein_coding</pre>	chr1	1755374	1755476	-	1
##	4159	protein_coding	chr1	1754544	1754698	-	1
##	4160	protein_coding	chr1	1754544	1754698	-	1
##	4161	protein_coding	chr1	1754284	1754383	_	1
##	4162	protein_coding	chr1	1754284	1754383	_	1
##	4163	protein_coding	chr1	1754051	1754208	_	1
##	4164	protein_coding	chr1	1754051	1754208	_	1
##	4165	protein_coding	chr1	1753567	1753649	_	1
	4166	protein_coding		1753567		_	1
	4167	protein_coding		1751232		_	1
	4168	protein_coding		1752907		_	1
	4169	protein_coding		1752904		_	1
	4170	protein_coding		1778289		_	1
	4171	protein_coding		1765407		_	1
	4172	protein_coding		1751232		_	1
	4173			1751232		_	1
	4174	protein_coding		1778746			1
	4175	protein_coding		1765228			1
	4176	protein_coding		1765228		_	
	4177	protein_coding		1765226		_	1
		protein_coding				_	1
	4178	protein_coding		1761952		_	1
	4179	protein_coding		1761952		-	1
	4180	protein_coding		1757181		-	1
	4181	protein_coding		1757181		-	1
	4182	protein_coding		1756503		-	1
	4183	protein_coding		1756503		-	1
	4184	protein_coding		1756258		-	1
	4185	<pre>protein_coding</pre>		1756258		-	1
	4186	<pre>protein_coding</pre>		1755374		-	1
##	4187	<pre>protein_coding</pre>		1755374		-	1
	4188	<pre>protein_coding</pre>		1754544		-	1
	4189	<pre>protein_coding</pre>		1754544		-	1
##	4190	<pre>protein_coding</pre>		1754284		-	1
##	4191	<pre>protein_coding</pre>		1754284		-	1
##	4192	<pre>protein_coding</pre>	chr1	1754051	1754208	-	1
##	4193	<pre>protein_coding</pre>		1754051		_	1
##	4194	<pre>protein_coding</pre>	chr1	1753567	1753649	-	1
##	4195	<pre>protein_coding</pre>	chr1	1753567	1753649	-	1
##	4196	protein_coding	chr1	1751232	1753060	-	1
##	4197	protein_coding	${\tt chr1}$	1752907	1753060	-	1
##	4198	protein_coding	chr1	1752904	1752906	-	1
##	4199	protein_coding	chr1	1778746	1778790	-	1
##	4200	protein_coding	chr1	1765407	1765446	-	1
##	4201	protein_coding	chr1	1751232	1752906	-	1
##	4202	protein_coding	chr1	1751232	1780069	-	1
##	4203	protein_coding		1779905		-	1
	4204	protein_coding		1765228		_	1
	4205	protein_coding		1765228		_	1
	4206	protein_coding		1765404		_	1
	4207	protein_coding		1761952		_	1
	4208	protein_coding		1761952		_	1
	4209	protein_coding		1759734		_	1
	4210	protein_coding		1759734		_	1
	<b>-</b>	r	~ ±	1. 30 / O I			_

##	4211	protein_coding		1759101		-	1
##	4212	protein_coding	chr1	1759101	1759243	-	1
##	4213	<pre>protein_coding</pre>	chr1	1757107	1757310	-	1
##	4214	<pre>protein_coding</pre>	chr1	1757107	1757310	-	1
##	4215	protein_coding	chr1	1756503	1756657	-	1
##	4216	protein_coding	chr1	1756503	1756657	_	1
##	4217	protein_coding	chr1	1756258	1756343	-	1
##	4218	protein_coding	chr1	1756258	1756343	-	1
##	4219	protein_coding	chr1	1755374	1755476	_	1
##	4220	protein_coding	chr1	1755374	1755476	_	1
##	4221	protein_coding	chr1	1754544	1754698	_	1
##	4222	protein_coding		1754544		_	1
##	4223	protein_coding	chr1	1754284	1754383	_	1
##	4224	protein_coding		1754284		_	1
##	4225	protein_coding		1754051		_	1
	4226	protein_coding		1754051		_	1
	4227	protein_coding		1753567		_	1
	4228	protein_coding		1753567		_	1
	4229	protein_coding		1751232		_	1
	4230	protein_coding		1752907		_	1
	4231	protein_coding		1752904		_	1
	4232	protein_coding		1779905		_	1
	4233	protein_coding		1765407		_	1
	4234	protein_coding		1751232		_	1
	4235	protein_coding		1785285		_	1
	4236	-		1785285		_	1
	4237	protein_coding		1890820		_	1
	4237	protein_coding		1825397		_	1
	4239	protein_coding				_	
		protein_coding		1825397		_	1
	4240	protein_coding		1825451		_	1
	4241	protein_coding		1817837		_	1
	4242	protein_coding		1817837		_	1
	4243	protein_coding		1815756		_	1
	4244	protein_coding		1815756		-	1
	4245	protein_coding		1806475		_	1
	4246	protein_coding		1806475		_	1
	4247	protein_coding		1804419		-	1
	4248	protein_coding		1804419		-	1
	4249	<pre>protein_coding</pre>		1793245		-	1
	4250	<pre>protein_coding</pre>		1793245		-	1
	4251	<pre>protein_coding</pre>		1790395		-	1
	4252	<pre>protein_coding</pre>		1790395		-	1
	4253	<pre>protein_coding</pre>		1789053		-	1
	4254	<pre>protein_coding</pre>		1789053		-	1
##	4255	<pre>protein_coding</pre>		1787322		-	1
##	4256	<pre>protein_coding</pre>		1787334		-	1
	4257	<pre>protein_coding</pre>		1787331		-	1
	4258	<pre>protein_coding</pre>		1785285		-	1
	4259	<pre>protein_coding</pre>		1890820		-	1
	4260	<pre>protein_coding</pre>		1825454		-	1
##	4261	<pre>protein_coding</pre>	chr1	1787322	1787333	-	1
	4262	<pre>protein_coding</pre>	chr1	1785285	1787053	-	1
##	4263	<pre>protein_coding</pre>	chr1	1785285	1891117	-	1
##	4264	<pre>protein_coding</pre>	chr1	1890820	1891117	-	1

	1005			1000100	4000000		
	4265	protein_coding		1839190		_	1
	4266	protein_coding		1825397		-	1
##	4267	<pre>protein_coding</pre>	chr1	1806475	1806538	_	1
##	4268	protein_coding	chr1	1804419	1804581	-	1
##	4269	protein_coding	chr1	1804419	1804548	-	1
##	4270	protein_coding	chr1	1804546	1804548	_	1
##	4271	protein_coding		1793245		_	1
	4272	protein_coding		1793245		_	1
	4273	-		1790395			1
	4274	protein_coding				_	
		protein_coding		1790395		_	1
	4275	protein_coding		1789053		-	1
	4276	protein_coding		1789053		-	1
##	4277	<pre>protein_coding</pre>		1787322		-	1
##	4278	<pre>protein_coding</pre>		1787334		-	1
##	4279	protein_coding	chr1	1787331	1787333	-	1
##	4280	protein_coding	chr1	1785285	1787053	-	1
##	4281	protein_coding	chr1	1890820	1891117	-	1
##	4282	protein_coding	chr1	1839190	1839238	_	1
##	4283	protein_coding	chr1	1825397	1825499	_	1
##	4284	protein_coding		1806475		_	1
	4285	protein_coding		1804549		_	1
	4286	protein_coding		1787322		_	1
	4287	protein_coding		1785285		_	1
						_	
	4288	protein_coding		1785286		-	1
	4289	protein_coding		1890820		-	1
	4290	protein_coding		1839190		-	1
	4291	<pre>protein_coding</pre>		1825397		-	1
	4292	<pre>protein_coding</pre>		1825397		-	1
##	4293	<pre>protein_coding</pre>	chr1	1825451	1825453	-	1
##	4294	protein_coding	chr1	1817837	1817875	-	1
##	4295	protein_coding	chr1	1817837	1817875	-	1
##	4296	protein_coding	chr1	1815756	1815862	-	1
##	4297	protein_coding	chr1	1815756	1815862	_	1
##	4298	protein_coding		1806475		_	1
	4299	protein_coding		1806475		_	1
	4300	protein_coding		1804419		_	1
	4301	protein_coding		1804419		_	1
	4302	-		1793245			
		protein_coding				_	1
	4303	protein_coding		1793245		-	1
	4304	protein_coding		1790395		-	1
	4305	<pre>protein_coding</pre>		1790395		-	1
	4306	<pre>protein_coding</pre>		1789053		-	1
##	4307	<pre>protein_coding</pre>	chr1	1789053	1789269	-	1
##	4308	<pre>protein_coding</pre>	chr1	1787322	1787437	-	1
##	4309	<pre>protein_coding</pre>	chr1	1787334	1787437	-	1
##	4310	protein_coding	chr1	1787331	1787333	_	1
##	4311	protein_coding	chr1	1785286	1787053	-	1
##	4312	protein_coding		1890820		_	1
	4313	protein_coding		1839190		_	1
	4314	protein_coding		1825454		_	1
	4315	protein_coding		1787322		_	1
	4316	protein_coding		1785286		_	1
	4317	lncRNA		1891471		+	0
						+	
##	4318	lncRNA	curi	1891471	1097000	+	0

##	4319	lncRNA	chr1	1891471	1891851	+	0
##	4320	lncRNA	chr1	1892134	1892658	+	0
##	4321	protein_coding	chr1	1915108	1917296	+	1
##	4322	protein_coding	chr1	1915108	1917294	+	1
##	4323	protein_coding	chr1	1915108	1915307	+	1
##	4324	protein_coding	chr1	1915281	1915307	+	1
##	4325	protein_coding	chr1	1915281	1915283	+	1
##	4326	protein_coding	chr1	1916441	1916615	+	1
##	4327	protein_coding	chr1	1916441	1916615	+	1
##	4328	protein_coding	chr1	1916752	1916896	+	1
##	4329	protein_coding	chr1	1916752	1916896	+	1
##	4330	protein_coding	chr1	1916974	1917074	+	1
##	4331	protein_coding	chr1	1916974	1917074	+	1
##	4332	protein_coding	chr1	1917147	1917294	+	1
##	4333	protein_coding	chr1	1917147	1917190	+	1
##	4334	protein_coding	chr1	1917191	1917193	+	1
##	4335	protein_coding	chr1	1915108	1915280	+	1
##	4336	protein_coding	chr1	1917191	1917294	+	1
##	4337	protein_coding	chr1	1917590	1919279	-	1
##	4338	protein_coding	chr1	1917590	1918797	-	1
##	4339	protein_coding	chr1	1918253	1918797	-	1
##	4340	protein_coding	chr1	1918253	1918556	-	1
##	4341	protein_coding	chr1	1918554	1918556	-	1
##	4342	protein_coding	chr1	1917590	1918162	_	1
##	4343	protein_coding	chr1	1917885	1918162	_	1
##	4344	protein_coding	chr1	1917882	1917884	_	1
##	4345	protein_coding	chr1	1918557	1918797	_	1
##	4346	protein_coding	chr1	1917590	1917884	_	1
##	4347	protein_coding	chr1	1917591	1919279	_	1
##	4348	protein_coding	chr1	1919182	1919279	_	1
	4349	protein_coding		1919182		_	1
	4350	protein_coding		1919263		_	1
	4351	protein_coding		1919045		_	1
	4352	protein_coding		1919045		_	1
	4353	protein_coding		1918893		_	1
	4354	protein_coding		1918893		_	1
	4355	protein_coding		1918253		_	1
##	4356	protein_coding		1918253		_	1
	4357	protein_coding		1917591		_	1
##	4358	protein_coding		1917885		_	1
	4359	protein_coding	chr1	1917882	1917884	_	1
	4360	protein_coding	chr1	1919266	1919279	_	1
	4361	protein_coding		1917591		_	1
	4362	protein_coding		1921951		_	1
	4363	protein_coding		1921951		_	1
	4364	protein_coding		2003701		_	1
	4365	protein_coding		1990890		_	1
	4366	protein_coding		1990890		_	1
	4367	protein_coding		1990954		_	1
	4368	protein_coding		1988889		_	1
	4369	protein_coding		1988889		_	1
	4370	protein_coding		1988512		_	1
	4371	protein_coding		1988512		_	1
	4372	protein_coding		1986937		_	1
		r-2001112	O111 1	_000001	_55,555		-

##	4373	<pre>protein_coding</pre>	chr1	1986937	1987035	-	1
##	4374	<pre>protein_coding</pre>	chr1	1985386	1985490	-	1
##	4375	protein_coding	chr1	1985386	1985490	-	1
##	4376	protein_coding	chr1	1974025	1974198	_	1
##	4377	protein_coding	chr1	1974025	1974198	-	1
##	4378	protein_coding	chr1	1972937	1973047	_	1
##	4379	protein_coding	chr1	1972937	1973047	_	1
##	4380	protein_coding	chr1	1971980	1972082	_	1
##	4381	protein_coding		1971980		_	1
	4382	protein_coding		1970659		_	1
	4383	protein_coding		1970659		_	1
	4384	protein_coding		1968635		_	1
	4385	protein_coding		1968635		_	1
	4386	protein_coding		1966371		_	1
	4387	protein_coding		1966371		_	1
	4388	protein_coding		1964888		_	1
	4389	protein_coding protein_coding		1964888		_	1
	4390			1963749		_	1
	4391	protein_coding		1963749		_	1
	4392	protein_coding		1959964		_	1
	4393	protein_coding				_	
		protein_coding		1959964		_	1
	4394	protein_coding		1959120		-	1
	4395	protein_coding		1959120		-	1
	4396	protein_coding		1956620		-	1
	4397	protein_coding		1956620		_	1
	4398	protein_coding		1955691		_	1
	4399	protein_coding		1955691		_	1
	4400	protein_coding		1946990		-	1
	4401	<pre>protein_coding</pre>		1946990		-	1
	4402	<pre>protein_coding</pre>		1946317		-	1
	4403	<pre>protein_coding</pre>		1946317		_	1
	4404	<pre>protein_coding</pre>		1944331		_	1
	4405	<pre>protein_coding</pre>		1944331		-	1
##	4406	<pre>protein_coding</pre>		1942028		-	1
	4407	<pre>protein_coding</pre>		1942028		-	1
	4408	<pre>protein_coding</pre>		1940316		-	1
##	4409	<pre>protein_coding</pre>		1940316		-	1
##	4410	<pre>protein_coding</pre>	chr1	1939594	1939767	-	1
##	4411	<pre>protein_coding</pre>	chr1	1939594	1939767	-	1
##	4412	<pre>protein_coding</pre>	chr1	1938855	1938988	-	1
##	4413	<pre>protein_coding</pre>	chr1	1938855	1938988	-	1
##	4414	protein_coding	chr1	1930060	1930336	-	1
##	4415	protein_coding	chr1	1930060	1930336	_	1
##	4416	protein_coding	chr1	1928784	1928882	-	1
##	4417	protein_coding	chr1	1928784	1928882	-	1
##	4418	protein_coding	chr1	1927607	1927746	-	1
##	4419	protein_coding	chr1	1927607	1927746	-	1
##	4420	protein_coding		1926894		-	1
	4421	protein_coding		1926894		_	1
##	4422	protein_coding		1926652		_	1
##	4423	protein_coding		1926652		_	1
	4424	protein_coding		1926457		-	1
	4425	protein_coding		1926457		_	1
	4426	protein_coding		1926228		_	1
					<del></del> -		_

##	4427	<pre>protein_coding</pre>	chr1	1926228	1926347	-	1
##	4428	<pre>protein_coding</pre>	chr1	1925783	1925938	-	1
##	4429	protein_coding	chr1	1925783	1925938	-	1
##	4430	protein_coding	chr1	1924391	1924520	-	1
##	4431	protein_coding	chr1	1924391	1924520	-	1
##	4432	protein_coding	chr1	1923775	1923929	_	1
##	4433	protein_coding	chr1	1923775	1923929	_	1
##	4434	protein_coding		1923367		_	1
##	4435	protein_coding		1923367		_	1
	4436	protein_coding		1922985		_	1
	4437	protein_coding		1922985		_	1
	4438	protein_coding		1921951		_	1
	4439	protein_coding		1922290		_	1
	4440	protein_coding		1922287		_	1
	4441	protein_coding		2003701		_	1
	4442	protein_coding		1990957		_	1
	4443	protein_coding		1921951		_	1
	4444	lncRNA		2013213		_	0
	4445	lncRNA		2013213		_	0
	4446	lncRNA		2015215		_	0
	4447	lncRNA		2013303		_	0
	4448	lncRNA		2013213		_	0
	4449	lncRNA		2015365		_	
		lncRNA		2015365		_	0
	4450			2014486		_	0
	4451	lncRNA				-	0
	4452	protein_coding		2019329		+	1
	4453	protein_coding		2019345		+	1
	4454	protein_coding		2019345		+	1
	4455	protein_coding		2019424		+	1
	4456	protein_coding		2019424		+	1
	4457	protein_coding		2024942		+	1
	4458	protein_coding		2024942		+	1
	4459	protein_coding		2025334		+	1
	4460	<pre>protein_coding</pre>		2025334		+	1
	4461	<pre>protein_coding</pre>		2025518		+	1
	4462	<pre>protein_coding</pre>		2025518		+	1
	4463	<pre>protein_coding</pre>		2027577		+	1
	4464	<pre>protein_coding</pre>		2027577		+	1
	4465	<pre>protein_coding</pre>		2028155		+	1
	4466	<pre>protein_coding</pre>		2028155		+	1
	4467	<pre>protein_coding</pre>		2029111		+	1
##	4468	<pre>protein_coding</pre>		2029111		+	1
##	4469	<pre>protein_coding</pre>		2029551		+	1
##	4470	<pre>protein_coding</pre>		2029551		+	1
##	4471	<pre>protein_coding</pre>	chr1	2029983	2030758	+	1
##	4472	<pre>protein_coding</pre>	chr1	2029983	2030279	+	1
##	4473	<pre>protein_coding</pre>		2030280		+	1
##	4474	<pre>protein_coding</pre>		2019345		+	1
##	4475	<pre>protein_coding</pre>	chr1	2030280	2030758	+	1
##	4476	protein_coding	chr1	2019360	2030407	+	1
##	4477	protein_coding	chr1	2019360	2019491	+	1
##	4478	protein_coding	chr1	2019424	2019491	+	1
##	4479	protein_coding	chr1	2019424	2019426	+	1
##	4480	protein_coding	chr1	2024942	2025054	+	1

##	4481	<pre>protein_coding</pre>		2024942		+	1
##	4482	<pre>protein_coding</pre>		2025334		+	1
##	4483	<pre>protein_coding</pre>	chr1	2025334	2025401	+	1
##	4484	<pre>protein_coding</pre>	chr1	2025518	2025738	+	1
##	4485	<pre>protein_coding</pre>	chr1	2025518	2025738	+	1
##	4486	protein_coding	chr1	2027577	2027659	+	1
##	4487	protein_coding	chr1	2027577	2027659	+	1
##	4488	protein_coding	chr1	2028071	2028292	+	1
##	4489	protein_coding	chr1	2028071	2028292	+	1
##	4490	protein_coding	chr1	2029111	2029266	+	1
##	4491	protein_coding	chr1	2029111	2029266	+	1
##	4492	protein_coding		2029551		+	1
	4493	protein_coding		2029551		+	1
	4494	protein_coding		2029983		+	1
	4495	protein_coding		2029983		+	1
	4496	protein_coding		2030280		+	1
	4497	protein_coding		2019360		+	1
	4498	protein_coding		2030280		+	1
	4499	protein_coding		2019379		+	1
	4500			2019379		+	1
	4501	protein_coding		2019379		+	1
	4502	protein_coding		2019424		+	
	4502	protein_coding					1
		protein_coding		2024942		+	1
	4504	protein_coding		2024942		+	1
	4505	protein_coding		2025334		+	1
	4506	protein_coding		2025334		+	1
	4507	protein_coding		2025518		+	1
	4508	protein_coding		2025518		+	1
	4509	protein_coding		2027577		+	1
	4510	protein_coding		2027577		+	1
	4511	<pre>protein_coding</pre>		2028155		+	1
	4512	<pre>protein_coding</pre>		2028155		+	1
	4513	<pre>protein_coding</pre>		2029111		+	1
	4514	<pre>protein_coding</pre>		2029111		+	1
##	4515	<pre>protein_coding</pre>	chr1	2029551	2030365	+	1
##	4516	<pre>protein_coding</pre>	chr1	2029551	2030203	+	1
##	4517	<pre>protein_coding</pre>	chr1	2030204	2030206	+	1
##	4518	<pre>protein_coding</pre>	chr1	2019379	2019423	+	1
##	4519	<pre>protein_coding</pre>	chr1	2030204	2030365	+	1
##	4520	protein_coding	chr1	2019404	2030656	+	1
##	4521	protein_coding	chr1	2019404	2019491	+	1
##	4522	protein_coding	chr1	2019424	2019491	+	1
##	4523	protein_coding	chr1	2019424	2019426	+	1
##	4524	protein_coding	chr1	2024942	2025054	+	1
##	4525	protein_coding	chr1	2024942	2025054	+	1
##	4526	protein_coding	chr1	2025334	2025401	+	1
##	4527	protein_coding	chr1	2025334	2025401	+	1
	4528	protein_coding		2025518		+	1
	4529	protein_coding		2025518		+	1
	4530	protein_coding		2027577		+	1
	4531	protein_coding		2027577		+	1
	4532	protein_coding		2028155		+	1
	4533	protein_coding		2028155		+	1
	4534	protein_coding		2029111		+	1
		r-30011116	J 1			-	_

	4535	protein_coding		2029111		+	1
##	4536	protein_coding	chr1	2029620	2029762	+	1
##	4537	<pre>protein_coding</pre>	chr1	2029620	2029762	+	1
##	4538	<pre>protein_coding</pre>	chr1	2029983	2030656	+	1
##	4539	protein_coding	chr1	2029983	2030279	+	1
##	4540	protein_coding	chr1	2030280	2030282	+	1
##	4541	protein_coding	chr1	2019404	2019423	+	1
##	4542	protein_coding	chr1	2030280	2030656	+	1
##	4543	lncRNA	chr1	2049203	2050070	_	0
##	4544	${\tt lncRNA}$	chr1	2049304	2050070	_	0
##	4545	${\tt lncRNA}$	chr1	2049868	2050070	_	0
##	4546	lncRNA	chr1	2049598	2049666	_	0
##	4547	lncRNA	chr1	2049304	2049468	_	0
##	4548	protein_coding	chr1	2050411	2185395	+	1
##	4549	protein_coding	chr1	2073462	2185390	+	1
##	4550	protein_coding		2073462		+	1
	4551	protein_coding		2135262		+	1
	4552	protein_coding		2144210		+	1
	4553	protein_coding		2144339		+	1
	4554	protein_coding		2144339		+	1
	4555	protein_coding		2146027		+	1
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	4557	protein_coding		2148872		+	1
	4558	protein_coding		2148872		+	1
	4559	protein_coding		2150790		+	1
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	4561	protein_coding		2155995		+	1
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	4563	protein_coding		2169518		+	1
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	4565	-		2172055		+	1
	4566	protein_coding		2172055		+	1
	4567	protein_coding		2172033		+	1
	4568	protein_coding		2172301			1
		protein_coding				+	
	4569 4570	protein_coding		2173897 2173897		+	1 1
		protein_coding				+	
	4571	protein_coding		2174754		+	1
	4572	protein_coding		2174754		+	1
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	4574	protein_coding		2175224		+	1
	4575	protein_coding		2184583		+	1
	4576	protein_coding		2184583		+	1
	4577	protein_coding		2184922		+	1
	4578	protein_coding		2184922		+	1
	4579	protein_coding		2185007		+	1
	4580	protein_coding		2073462		+	1
	4581	protein_coding		2135262		+	1
	4582	<pre>protein_coding</pre>		2144210		+	1
	4583	<pre>protein_coding</pre>		2185007		+	1
	4584	${\tt lncRNA}$		2141084		-	0
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	4587	lncRNA		2181794		_	1
##	4588	lncRNA	chr1	2181794	2183875	_	1

##	4589	lncRNA	chr1	2183571	2183875	_	1
##	4590	lncRNA	chr1	2181794	2182741	-	1
##	4591	${\tt lncRNA}$	chr1	2182735	2184389	-	1
##	4592	${\tt lncRNA}$	chr1	2183991	2184389	-	1
##	4593	lncRNA	chr1	2183571	2183704	-	1
##	4594	lncRNA	chr1	2182735	2182823	-	1
##	4595	<pre>protein_coding</pre>	chr1	2184461	2212720	-	1
##	4596	<pre>protein_coding</pre>	chr1	2184461	2194775	-	1
##	4597	<pre>protein_coding</pre>	chr1	2194688	2194775	-	1
##	4598	<pre>protein_coding</pre>	chr1	2194688	2194749	-	1
##	4599	<pre>protein_coding</pre>	chr1	2194747	2194749	-	1
##	4600	<pre>protein_coding</pre>	chr1	2193639	2193910	-	1
##	4601	<pre>protein_coding</pre>	chr1	2193639	2193910	-	1
##	4602	<pre>protein_coding</pre>	chr1	2184461	2185513	-	1
##	4603	<pre>protein_coding</pre>	chr1	2185281	2185513	-	1
##	4604	<pre>protein_coding</pre>	chr1	2185278	2185280	-	1
##	4605	<pre>protein_coding</pre>	chr1	2194750	2194775	-	1
##	4606	<pre>protein_coding</pre>	chr1	2184461	2185280	-	1
##	4607	<pre>protein_coding</pre>	chr1	2189548	2194772	-	1
##	4608	<pre>protein_coding</pre>	chr1	2194688	2194772	-	1
##	4609	<pre>protein_coding</pre>	chr1	2194688	2194749	-	1
##	4610	<pre>protein_coding</pre>	chr1	2194747	2194749	-	1
##	4611	<pre>protein_coding</pre>	chr1	2193998	2194133	-	1
##	4612	<pre>protein_coding</pre>	chr1	2193998	2194133	-	1
##	4613	<pre>protein_coding</pre>	chr1	2193639	2193910	-	1
##	4614	<pre>protein_coding</pre>	chr1	2193639	2193910	-	1
##	4615	<pre>protein_coding</pre>	chr1	2189548	2189781	_	1
##	4616	<pre>protein_coding</pre>	chr1	2189712	2189781	_	1
##	4617	<pre>protein_coding</pre>		2189709		-	1
##	4618	<pre>protein_coding</pre>		2194750		-	1
##	4619	<pre>protein_coding</pre>		2189548		-	1
	4620	lncRNA		2212523		+	0
	4621	lncRNA		2212523		+	0
	4622	lncRNA		2212523		+	0
	4623	lncRNA		2220535		+	0
	4624	protein_coding		2228319		+	1
	4625	protein_coding		2228319		+	1
	4626	protein_coding		2228319		+	1
	4627	protein_coding		2228767		+	1
	4628	protein_coding		2228767		+	1
	4629	protein_coding		2302978		+	1
	4630	protein_coding		2302978		+	1
	4631	protein_coding		2303285		+	1
	4632	protein_coding		2303285		+	1
	4633	protein_coding		2303840		+	1
	4634	protein_coding		2303840		+	1
	4635	protein_coding		2304293		+	1
	4636	protein_coding		2304293		+	1
	4637	protein_coding		2306020		+	1
	4638	protein_coding		2306020		+	1
	4639	protein_coding		2306577		+	1
	4640 4641	protein_coding		2306577		+	1
		protein_coding		2306763		+	1
##	4642	<pre>protein_coding</pre>	cnrl	2228319	2228166	+	1

	1010						
	4643	protein_coding		2306763		+	1
	4644	${\tt lncRNA}$		2315040		+	0
##	4645	${\tt lncRNA}$		2315040		+	0
##	4646	${\tt lncRNA}$		2315040		+	0
##	4647	${\tt lncRNA}$	chr1	2316392	2317011	+	0
##	4648	${\tt lncRNA}$	chr1	2317611	2317729	+	0
##	4649	${\tt lncRNA}$	chr1	2318990	2321323	+	0
##	4650	${\tt lncRNA}$	${\tt chr1}$	2315040	2323085	+	0
##	4651	${\tt lncRNA}$	chr1	2315040	2315998	+	0
##	4652	${\tt lncRNA}$	chr1	2316392	2317011	+	0
##	4653	${\tt lncRNA}$	chr1	2318990	2323085	+	0
##	4654	protein_coding	chr1	2321253	2391707	-	1
##	4655	protein_coding	chr1	2321253	2391554	-	1
##	4656	protein_coding	chr1	2391458	2391554	-	1
##	4657	protein_coding	chr1	2391458	2391533	-	1
##	4658	protein_coding	chr1	2391531	2391533	_	1
##	4659	protein_coding	chr1	2389925	2389996	_	1
##	4660	protein_coding	chr1	2389925	2389996	_	1
##	4661	protein_coding		2388239		_	1
##	4662	protein_coding		2388239		_	1
##	4663	protein_coding		2387419		_	1
##	4664	protein_coding		2387419		_	1
##	4665	protein_coding		2385807		_	1
	4666	protein_coding		2385807		_	1
	4667	protein_coding		2384978		_	1
	4668	protein_coding		2384978		_	1
	4669	protein_coding		2374461		_	1
	4670	protein_coding		2374461		_	1
	4671	protein_coding		2372481		_	1
	4672	protein_coding		2372481		_	1
	4673	protein_coding		2358592		_	1
	4674	protein_coding		2358592		_	1
	4675	protein_coding		2357432		_	1
	4676	protein_coding		2357432		_	1
	4677	protein_coding		2336717		_	1
	4678	protein_coding		2336717		_	1
	4679	protein_coding		2336469		_	1
	4680	-		2336469		_	
	4681	protein_coding		2324097		_	1 1
	4682	protein_coding				_	1
	4683	protein_coding		2324097 2321253		_	
		protein_coding		2321255		_	1
	4684	protein_coding				_	1
	4685	protein_coding		2321383		_	1
	4686	protein_coding		2391534		_	1
	4687	protein_coding		2321253		_	1
	4688	protein_coding		2355175		_	1
	4689	protein_coding		2391458		-	1
	4690	protein_coding		2391458		-	1
	4691	protein_coding		2391531		-	1
	4692	protein_coding		2389925		_	1
	4693	protein_coding		2389925		_	1
	4694	protein_coding		2388239		_	1
	4695	protein_coding		2388239		_	1
##	4696	protein_coding	chr1	2387419	2387529	-	1

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## 4697
                                                 chr1 2387419 2387529
                             protein_coding
                                                                                    1
                                                 chr1 2385807 2385897
## 4698
                             protein_coding
                                                                                    1
## 4699
                             protein_coding
                                                 chr1 2385807 2385897
## 4700
                                                 chr1 2384978 2385065
                             protein_coding
                                                                                    1
## 4701
                             protein_coding
                                                 chr1 2384978 2385065
                                                                                    1
## 4702
                                                 chr1 2374461 2374557
                             protein_coding
                                                                                    1
## 4703
                                                 chr1 2374461 2374557
                             protein_coding
                                                                                    1
## 4704
                                                 chr1 2372481 2372591
                             protein_coding
                                                                                    1
## 4705
                                                 chr1 2372481 2372591
                             protein_coding
                                                                                    1
                                                 chr1 2358592 2358715
## 4706
                             protein_coding
                                                                                    1
## 4707
                                                 chr1 2358592 2358715
                                                                                    1
                             protein_coding
## 4708
                                                 chr1 2357432 2357598
                             protein_coding
                                                                                    1
## 4709
                                                 chr1 2357432 2357598
                                                                                    1
                             protein_coding
                                                 chr1 2355175 2355464
## 4710
                             protein_coding
## 4711
                                                 chr1 2355451 2355464
                             protein_coding
                                                                                    1
## 4712
                                                 chr1 2355448 2355450
                             protein_coding
                                                 chr1 2391534 2391707
## 4713
                                                                                    1
                             protein_coding
## 4714
                                                 chr1 2355175 2355450
                             protein_coding
## 4715
                                                 chr1 2326201 2326693
                                                                                    0
                                      lncRNA
## 4716
                                      lncRNA
                                                 chr1 2326201 2326693
                                                                                    0
## 4717
                                      lncRNA
                                                 chr1 2326201 2326693
                                                                                    0
## 4718
                                                 chr1 2350414 2352820
          transcribed_processed_pseudogene
## 4719
                                                 chr1 2350414 2352820
          transcribed_processed_pseudogene
                                                                                    0
## 4720
                                                 chr1 2350414 2352820
          transcribed_processed_pseudogene
                                                                                    0
## 4721
          transcribed_processed_pseudogene
                                                 chr1 2351644 2351857
                                                                                    0
## 4722
          transcribed_processed_pseudogene
                                                 chr1 2351644 2351857
                                                                                    0
## 4723
                                                 chr1 2363061 2363628
                                      lncRNA
                                                                                    0
## 4724
                                                 chr1 2363061 2363628
                                      lncRNA
                                                                                    0
## 4725
                                                 chr1 2363061 2363628
                                      lncRNA
                                                                                    0
## 4726
                                                 chr1 2391775 2405442
                             protein_coding
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## 4727
                             protein_coding
                                                 chr1 2391775 2405442
## 4728
                                                 chr1 2391775 2391958
                                                                             +
                                                                                    1
                             protein_coding
## 4729
                                                 chr1 2395784 2395871
                             protein_coding
## 4730
                                                 chr1 2395791 2395871
                                                                                    1
                             protein_coding
## 4731
                             protein_coding
                                                 chr1 2395791 2395793
                                                                                    1
## 4732
                                                 chr1 2397116 2397220
                                                                                    1
                             protein_coding
## 4733
                             protein_coding
                                                 chr1 2397116 2397220
## 4734
                                                 chr1 2400857 2400935
                             protein_coding
                                                                                    1
## 4735
                                                 chr1 2400857 2400935
                             protein_coding
                                                 chr1 2402207 2402342
## 4736
                             protein_coding
                                                                                    1
                                                 chr1 2402207 2402292
## 4737
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                             protein_coding
## 4738
                                                 chr1 2402293 2402295
                             protein_coding
                                                                                    1
## 4739
                             protein_coding
                                                 chr1 2403035 2405442
                                                                                    1
                                                 chr1 2391775 2391958
## 4740
                             protein_coding
                                                                                    1
                                                 chr1 2395784 2395790
## 4741
                             protein_coding
                                                                                    1
                                                 chr1 2402293 2402342
## 4742
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                                                                                    1
                                                 chr1 2403035 2405442
## 4743
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                                                 chr1 2391828 2402325
## 4744
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                                                 chr1 2391828 2391958
## 4745
                                                                                    1
                             protein_coding
## 4746
                                                 chr1 2395784 2395871
                                                                                    1
                             protein_coding
## 4747
                                                 chr1 2395791 2395871
                             protein_coding
                                                                             +
                                                                                    1
## 4748
                             protein_coding
                                                 chr1 2395791 2395793
## 4749
                                                 chr1 2397116 2397220
                                                                                    1
                             protein_coding
## 4750
                             protein_coding
                                                 chr1 2397116 2397220
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##	4751	<pre>protein_coding</pre>		2400857		+	1
##	4752	protein_coding		2400857		+	1
##	4753	<pre>protein_coding</pre>	chr1	2402207	2402325	+	1
##	4754	<pre>protein_coding</pre>	chr1	2402207	2402292	+	1
##	4755	protein_coding	chr1	2402293	2402295	+	1
##	4756	protein_coding	chr1	2391828	2391958	+	1
##	4757	protein_coding	chr1	2395784	2395790	+	1
##	4758	protein_coding	chr1	2402293	2402325	+	1
##	4759	protein_coding	chr1	2391841	2405436	+	1
##	4760	protein_coding	chr1	2391841	2391958	+	1
##	4761	protein_coding	chr1	2395784	2395871	+	1
##	4762	protein_coding		2395791		+	1
##	4763	protein_coding		2395791		+	1
##	4764	protein_coding		2397116		+	1
##	4765	protein_coding		2397116		+	1
	4766	protein_coding		2399415		+	1
	4767	protein_coding		2399415		+	1
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	4773	protein_coding		2403035		+	1
	4774	protein_coding		2403033		+	1
	4775	protein_coding		2391841		+	1
	4776	-		2391641		+	1
	4777	protein_coding		2403122		+	1
	4778	protein_coding		2391890			1
	4779	protein_coding				+	
		protein_coding		2391890		+	1
	4780	protein_coding		2395784		+	1
	4781	protein_coding		2395791		+	1
	4782	protein_coding		2395791		+	1
	4783	protein_coding		2397116		+	1
	4784	protein_coding		2397116		+	1
	4785	protein_coding		2399415		+	1
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##	4787	protein_coding		2400857		+	1
	4788	protein_coding		2400857		+	1
	4789	<pre>protein_coding</pre>		2402097		+	1
	4790	<pre>protein_coding</pre>		2402097		+	1
	4791	<pre>protein_coding</pre>		2402293		+	1
	4792	<pre>protein_coding</pre>		2403035		+	1
	4793	<pre>protein_coding</pre>		2391890		+	1
	4794	<pre>protein_coding</pre>		2395784		+	1
	4795	<pre>protein_coding</pre>		2402293		+	1
	4796	<pre>protein_coding</pre>		2403035		+	1
	4797	<pre>protein_coding</pre>		2394005		+	1
	4798	<pre>protein_coding</pre>		2394005		+	1
	4799	<pre>protein_coding</pre>		2395791		+	1
##	4800	<pre>protein_coding</pre>	chr1	2395791	2395793	+	1
##	4801	<pre>protein_coding</pre>	chr1	2397116	2397220	+	1
##	4802	<pre>protein_coding</pre>	chr1	2397116	2397220	+	1
##	4803	<pre>protein_coding</pre>		2399415		+	1
##	4804	<pre>protein_coding</pre>	chr1	2399415	2399514	+	1

	4805	<pre>protein_coding</pre>		2400857		+	1
##	4806	protein_coding	chr1	2400857	2400935	+	1
##	4807	<pre>protein_coding</pre>	chr1	2402207	2402342	+	1
##	4808	<pre>protein_coding</pre>	chr1	2402207	2402342	+	1
##	4809	protein_coding	chr1	2403035	2403216	+	1
##	4810	protein_coding	chr1	2403035	2403121	+	1
##	4811	protein_coding	chr1	2403122	2403124	+	1
##	4812	protein_coding	chr1	2394005	2395790	+	1
##	4813	protein_coding	chr1	2403122	2403216	+	1
##	4814	protein_coding	chr1	2403964	2413797	_	1
##	4815	protein_coding	chr1	2403964	2412530	_	1
##	4816	protein_coding	chr1	2412391	2412530	_	1
##	4817	protein_coding	chr1	2412391	2412502	_	1
##	4818	protein_coding		2412500		_	1
##	4819	protein_coding		2410371		_	1
	4820	protein_coding		2410371		_	1
	4821	protein_coding		2408452		_	1
	4822	protein_coding		2408452		_	1
	4823	protein_coding		2406720		_	1
	4824	protein_coding		2406720		_	1
	4825	protein_coding		2406484		_	1
	4826	protein_coding		2406484		_	1
	4827	protein_coding		2403964		_	1
	4828			2405769		_	1
	4829	protein_coding		2405769		_	1
	4830	protein_coding		2412503		_	_
	4831	protein_coding				_	1
		protein_coding		2403964		_	1
	4832	protein_coding		2404819		_	1
	4833	protein_coding		2412391		_	1
	4834	protein_coding		2412391		_	1
	4835	protein_coding		2412500		_	1
	4836	protein_coding		2410371		-	1
	4837	<pre>protein_coding</pre>		2410371		-	1
	4838	<pre>protein_coding</pre>		2408452		_	1
	4839	<pre>protein_coding</pre>		2408452		_	1
	4840	<pre>protein_coding</pre>		2406720		_	1
	4841	<pre>protein_coding</pre>		2406720		-	1
##	4842	<pre>protein_coding</pre>	chr1	2406484	2406619	-	1
##	4843	<pre>protein_coding</pre>	chr1	2406484	2406619	-	1
##	4844	<pre>protein_coding</pre>	chr1	2404819	2405834	_	1
##	4845	protein_coding	chr1	2405769	2405834	-	1
##	4846	protein_coding	${\tt chr1}$	2405766	2405768	-	1
##	4847	protein_coding	${\tt chr1}$	2412503	2412571	_	1
##	4848	protein_coding	${\tt chr1}$	2404819	2405768	-	1
##	4849	protein_coding	chr1	2404838	2412540	_	1
##	4850	protein_coding	chr1	2412391	2412540	-	1
##	4851	protein_coding	chr1	2412391	2412502	_	1
##	4852	protein_coding		2412500		-	1
##	4853	protein_coding	chr1	2410371	2410451	_	1
	4854	protein_coding		2410371		-	1
	4855	protein_coding		2408452		_	1
	4856	protein_coding		2408452		-	1
	4857	protein_coding		2406720		_	1
	4858	protein_coding		2406720		_	1
				•	<del>.</del>		-

##	4859	<pre>protein_coding</pre>	chr1	2406484	2406619	-	1
##	4860	<pre>protein_coding</pre>	chr1	2406484	2406619	_	1
##	4861	<pre>protein_coding</pre>	chr1	2404838	2405828	_	1
##	4862	<pre>protein_coding</pre>	chr1	2405769	2405828	-	1
##	4863	protein_coding	chr1	2405766	2405768	-	1
##	4864	protein_coding	${\tt chr1}$	2412503	2412540	-	1
##	4865	protein_coding	chr1	2404838	2405768	_	1
##	4866	protein_coding	chr1	2425980	2505532	+	1
##	4867	protein_coding	chr1	2467459	2505526	+	1
##	4868	protein_coding	chr1	2467459	2467662	+	1
##	4869	protein_coding	chr1	2467620	2467662	+	1
##	4870	protein_coding	chr1	2467620	2467622	+	1
##	4871	protein_coding	chr1	2478476	2478622	+	1
##	4872	protein_coding	chr1	2478476	2478622	+	1
##	4873	protein_coding	chr1	2479734	2479978	+	1
##	4874	protein_coding	chr1	2479734	2479978	+	1
##	4875	protein_coding	chr1	2480184	2480312	+	1
##	4876	protein_coding		2480184		+	1
##	4877	protein_coding		2484448		+	1
##	4878	protein_coding		2484448		+	1
##	4879	protein_coding		2486907		+	1
	4880	protein_coding		2486907		+	1
	4881	protein_coding		2487173		+	1
	4882	protein_coding		2487173		+	1
	4883	protein_coding		2487598		+	1
	4884	protein_coding		2487598		+	1
	4885	protein_coding		2489207		+	1
	4886	protein_coding		2489207		+	1
	4887			2489760		+	1
	4888	protein_coding		2489760		+	1
	4889	protein_coding		2491192		+	1
	4890	protein_coding		2491192		+	1
	4891	protein_coding		2491192		+	1
	4892	protein_coding		2494856			
	4893	protein_coding				+	1
		protein_coding		2495488		+	1
	4894	protein_coding		2495488 2496607		+	1
	4895	protein_coding				+	1
	4896	protein_coding		2496607		+	1
	4897	protein_coding		2496828		+	1
	4898	protein_coding		2496828		+	1
	4899	protein_coding		2497502		+	1
	4900	protein_coding		2497502		+	1
	4901	protein_coding		2498523		+	1
	4902	protein_coding		2498523		+	1
	4903	protein_coding		2498744		+	1
	4904	<pre>protein_coding</pre>		2498744		+	1
	4905	protein_coding		2499084		+	1
	4906	<pre>protein_coding</pre>		2499084		+	1
	4907	<pre>protein_coding</pre>		2499641		+	1
	4908	<pre>protein_coding</pre>		2499641		+	1
	4909	<pre>protein_coding</pre>		2502112		+	1
	4910	<pre>protein_coding</pre>		2502112		+	1
	4911	<pre>protein_coding</pre>		2503617		+	1
##	4912	<pre>protein_coding</pre>	chr1	2503617	2503624	+	1

##	4913	<pre>protein_coding</pre>		2503625		+	1
	4914	<pre>protein_coding</pre>		2467459		+	1
	4915	<pre>protein_coding</pre>		2503625		+	1
	4916	<pre>protein_coding</pre>		2476289		+	1
##	4917	<pre>protein_coding</pre>	chr1	2476289	2476712	+	1
##	4918	<pre>protein_coding</pre>	chr1	2476589	2476712	+	1
##	4919	protein_coding	chr1	2476589	2476591	+	1
##	4920	protein_coding	chr1	2478476	2478622	+	1
##	4921	protein_coding	chr1	2478476	2478622	+	1
##	4922	protein_coding	chr1	2479734	2479977	+	1
##	4923	protein_coding	chr1	2479734	2479977	+	1
##	4924	protein_coding	chr1	2480183	2480312	+	1
##	4925	protein_coding	chr1	2480183	2480312	+	1
##	4926	protein_coding	chr1	2484448	2484618	+	1
##	4927	protein_coding		2484448		+	1
	4928	protein_coding		2486907		+	1
	4929	protein_coding		2486907		+	1
	4930	protein_coding		2487173		+	1
	4931	protein_coding		2487173		+	1
	4932	protein_coding		2487598		+	1
	4933	protein_coding		2487598		+	1
	4934			2489207		+	1
	4935	protein_coding		2489207			
		protein_coding				+	1
	4936	protein_coding		2489760		+	1
	4937	protein_coding		2489760		+	1
	4938	protein_coding		2491192		+	1
	4939	protein_coding		2491192		+	1
	4940	<pre>protein_coding</pre>		2494856		+	1
	4941	<pre>protein_coding</pre>		2494856		+	1
	4942	<pre>protein_coding</pre>		2495488		+	1
##	4943	<pre>protein_coding</pre>		2495488		+	1
##	4944	<pre>protein_coding</pre>	chr1	2496607	2496704	+	1
##	4945	protein_coding	chr1	2496607	2496704	+	1
##	4946	protein_coding	${\tt chr1}$	2496828	2497010	+	1
##	4947	protein_coding	chr1	2496828	2497010	+	1
##	4948	protein_coding	chr1	2497502	2497609	+	1
##	4949	protein_coding	chr1	2497502	2497609	+	1
##	4950	protein_coding	chr1	2498523	2498647	+	1
##	4951	protein_coding	chr1	2498523	2498647	+	1
##	4952	protein_coding	chr1	2498744	2498828	+	1
	4953	protein_coding		2498744		+	1
	4954	protein_coding		2499084		+	1
	4955	protein_coding		2499084		+	1
	4956	protein_coding		2499641		+	1
	4957	protein_coding		2499641		+	1
	4958	protein_coding		2502112		+	1
	4959	-		2502112		+	1
	4960	protein_coding		2502112		+	
		protein_coding					1
	4961	protein_coding		2503922		+	1
	4962	protein_coding		2505211		+	1
	4963	protein_coding		2476289		+	1
	4964	protein_coding		2505211		+	1
	4965	protein_coding		2476315		+	1
##	4966	<pre>protein_coding</pre>	chr1	2476315	2476712	+	1

##	4967	<pre>protein_coding</pre>	chr1	2476589	2476712	+	1
##	4968	<pre>protein_coding</pre>	chr1	2476589	2476591	+	1
##	4969	protein_coding	${\tt chr1}$	2478476	2478622	+	1
##	4970	protein_coding	${\tt chr1}$	2478476	2478622	+	1
##	4971	protein_coding	chr1	2479734	2479978	+	1
##	4972	protein_coding	chr1	2479734	2479978	+	1
##	4973	protein_coding	chr1	2480184	2480312	+	1
##	4974	protein_coding		2480184		+	1
##	4975	protein_coding		2484448		+	1
	4976	protein_coding		2484448		+	1
	4977	protein_coding		2486907		+	1
	4978	protein_coding		2486907		+	1
	4979	protein_coding		2487173		+	1
	4980	protein_coding		2487173		+	1
	4981	protein_coding		2487598		+	1
	4982	protein_coding		2487598		+	1
	4983	-		2489207		+	1
	4984	protein_coding		2489207		+	1
	4985	protein_coding		2489760		+	1
	4986	protein_coding		2489760			1
		protein_coding		2491192		+	
	4987	protein_coding				+	1
	4988	protein_coding		2491192		+	1
	4989	protein_coding		2494856		+	1
	4990	protein_coding		2494856		+	1
	4991	protein_coding		2495488		+	1
	4992	protein_coding		2495488		+	1
	4993	protein_coding		2496607		+	1
	4994	protein_coding		2496607		+	1
	4995	<pre>protein_coding</pre>		2496828		+	1
	4996	<pre>protein_coding</pre>		2496828		+	1
	4997	<pre>protein_coding</pre>		2497502		+	1
	4998	<pre>protein_coding</pre>		2497502		+	1
##	4999	<pre>protein_coding</pre>		2498523		+	1
##	5000	<pre>protein_coding</pre>		2498523		+	1
##	5001	<pre>protein_coding</pre>		2498744		+	1
##	5002	<pre>protein_coding</pre>		2498744		+	1
##	5003	<pre>protein_coding</pre>	chr1	2499084	2499230	+	1
##	5004	<pre>protein_coding</pre>	chr1	2499084	2499230	+	1
##	5005	<pre>protein_coding</pre>	chr1	2499641	2499720	+	1
##	5006	<pre>protein_coding</pre>	chr1	2499641	2499720	+	1
##	5007	<pre>protein_coding</pre>	chr1	2502112	2502409	+	1
##	5008	protein_coding	${\tt chr1}$	2502112	2502409	+	1
##	5009	protein_coding	${\tt chr1}$	2503922	2505525	+	1
##	5010	protein_coding	${\tt chr1}$	2503922	2505210	+	1
##	5011	protein_coding	chr1	2505211	2505213	+	1
##	5012	protein_coding	chr1	2476315	2476588	+	1
##	5013	protein_coding	chr1	2505211	2505525	+	1
##	5014	lncRNA		2492300		-	0
##	5015	lncRNA		2492300		_	0
	5016	lncRNA		2493101		_	0
	5017	lncRNA		2492300		_	0
	5018	lncRNA		2493437		-	0
	5019	lncRNA		2493437		_	0
	5020	lncRNA		2494383		_	0
							•

##	5021	lncRNA	chr1	2493437	2493853	_	0
	5022	protein_coding		2508531		_	1
	5023	protein_coding		2508531		_	1
	5024	protein_coding		2526464		_	1
	5025	protein_coding		2526464		_	1
	5026	protein_coding		2526585		_	1
##	5027	protein_coding		2521718		_	1
##	5028	protein_coding		2521718		_	1
##	5029	protein_coding		2521101		_	1
##	5030	protein_coding		2521101		_	1
##	5031	protein_coding	chr1	2520723	2520906	_	1
##	5032	protein_coding	chr1	2520723	2520906	_	1
##	5033	protein_coding	chr1	2520322	2520414	_	1
##	5034	protein_coding	chr1	2520322	2520414	_	1
##	5035	protein_coding	chr1	2519801	2519954	_	1
##	5036	protein_coding	chr1	2519801	2519954	_	1
##	5037	protein_coding	chr1	2519143	2519324	_	1
##	5038	protein_coding	chr1	2519143	2519324	_	1
##	5039	protein_coding	chr1	2518516	2518597	_	1
##	5040	<pre>protein_coding</pre>	chr1	2518516	2518597	_	1
##	5041	<pre>protein_coding</pre>	chr1	2518164	2518264	_	1
##	5042	<pre>protein_coding</pre>	chr1	2518164	2518264	_	1
##	5043	<pre>protein_coding</pre>		2515562		_	1
##	5044	<pre>protein_coding</pre>	chr1	2515562	2515717	-	1
	5045	<pre>protein_coding</pre>		2514354		_	1
##	5046	<pre>protein_coding</pre>		2514354		_	1
	5047	<pre>protein_coding</pre>		2514002		_	1
	5048	protein_coding		2514002		_	1
	5049	protein_coding		2512888		_	1
	5050	protein_coding		2512888		-	1
	5051	protein_coding		2511628		_	1
	5052	protein_coding		2511628		_	1
	5053	protein_coding		2511338		_	1
	5054	protein_coding		2511338		_	1
	5055	protein_coding		2510678		_	1
	5056	protein_coding		2510678		<del>-</del>	1
	5057	protein_coding		2510057		<del>-</del>	1
	5058 5059	protein_coding		2510057		_	1
	5060	protein_coding		2509862 2509862		_	1 1
	5060	protein_coding		2509662		_	1
	5062	<pre>protein_coding protein_coding</pre>		2508351		_	1
	5063	protein_coding protein_coding		2508847		_	1
	5064	protein_coding protein_coding		2526588		_	1
	5065	protein_coding		2508531		_	1
	5066	protein_coding		2508537		_	1
	5067	protein_coding		2526464		_	1
	5068	protein_coding		2526464		_	1
	5069	protein_coding		2526585		_	1
	5070	protein_coding		2521718		_	1
	5071	protein_coding		2521718		-	1
	5072	protein_coding		2521145		_	1
	5073	protein_coding		2521145		-	1
##	5074	protein_coding	chr1	2520723	2520833	-	1

	5075	<pre>protein_coding</pre>		2520723		-	1
	5076	<pre>protein_coding</pre>		2520322		-	1
	5077	<pre>protein_coding</pre>		2520322		-	1
	5078	<pre>protein_coding</pre>		2519801		-	1
	5079	<pre>protein_coding</pre>		2519801		-	1
	5080	<pre>protein_coding</pre>		2519143		-	1
	5081	<pre>protein_coding</pre>		2519143		-	1
	5082	<pre>protein_coding</pre>		2518516		-	1
	5083	<pre>protein_coding</pre>		2518516		-	1
	5084	<pre>protein_coding</pre>		2518164		-	1
	5085	<pre>protein_coding</pre>		2518164		-	1
##	5086	<pre>protein_coding</pre>		2515562		-	1
##	5087	<pre>protein_coding</pre>	chr1	2515562	2515717	-	1
##	5088	<pre>protein_coding</pre>	chr1	2514354	2514466	-	1
##	5089	<pre>protein_coding</pre>	chr1	2514354	2514466	-	1
##	5090	<pre>protein_coding</pre>	chr1	2514002	2514089	-	1
##	5091	protein_coding	${\tt chr1}$	2514002	2514089	-	1
##	5092	protein_coding	chr1	2512888	2513039	-	1
##	5093	protein_coding	${\tt chr1}$	2512888	2513039	-	1
##	5094	protein_coding	chr1	2511628	2511683	-	1
##	5095	protein_coding	chr1	2511628	2511683	-	1
##	5096	protein_coding	chr1	2511338	2511387	-	1
##	5097	protein_coding	chr1	2511338	2511387	-	1
##	5098	protein_coding	chr1	2510678	2510782	-	1
##	5099	protein_coding	chr1	2510678	2510782	-	1
##	5100	protein_coding	chr1	2510057	2510157	-	1
##	5101	protein_coding	chr1	2510057	2510157	-	1
##	5102	protein_coding	chr1	2509862	2509930	-	1
##	5103	protein_coding	chr1	2509862	2509930	-	1
##	5104	protein_coding	chr1	2508537	2509060	-	1
##	5105	protein_coding	chr1	2508850	2509060	-	1
##	5106	protein_coding	chr1	2508847	2508849	_	1
##	5107	protein_coding	chr1	2526588	2526596	_	1
##	5108	protein_coding		2508537		_	1
##	5109	protein_coding	chr1	2508847	2526611	_	1
##	5110	protein_coding		2526464		_	1
##	5111	protein_coding	chr1	2526464	2526611	_	1
	5112	protein_coding	chr1	2526609	2526611	_	1
##	5113	protein_coding	chr1	2521718	2521800	_	1
##	5114	protein_coding		2521718		_	1
	5115	protein_coding		2521101		_	1
	5116	protein_coding		2521101		_	1
	5117	protein_coding		2520723		_	1
	5118	protein_coding		2520723		_	1
	5119	protein_coding		2520322		_	1
	5120	protein_coding		2520322		_	1
	5121	protein_coding		2519801		_	1
	5122	protein_coding		2519801		_	1
	5123	protein_coding		2519143		_	1
	5124	protein_coding		2519143		_	1
	5125	protein_coding		2518516		_	1
	5126	protein_coding		2518516		_	1
	5127	protein_coding		2518164		_	1
	5128	protein_coding		2518164		_	1
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##	5129	<pre>protein_coding</pre>		2515562		-	1
##	5130	<pre>protein_coding</pre>	chr1	2515562	2515717	-	1
##	5131	<pre>protein_coding</pre>	chr1	2514354	2514466	-	1
##	5132	<pre>protein_coding</pre>	chr1	2514354	2514466	-	1
##	5133	<pre>protein_coding</pre>	chr1	2514002	2514089	-	1
##	5134	protein_coding	chr1	2514002	2514089	-	1
##	5135	protein_coding	chr1	2512888	2513039	-	1
##	5136	protein_coding	chr1	2512888	2513039	-	1
##	5137	protein_coding	chr1	2511628	2511683	-	1
##	5138	protein_coding	chr1	2511628	2511683	-	1
##	5139	protein_coding	chr1	2511338	2511387	-	1
##	5140	protein_coding	chr1	2511338	2511387	-	1
##	5141	protein_coding	chr1	2510678	2510782	-	1
##	5142	protein_coding	chr1	2510678	2510782	-	1
##	5143	protein_coding	chr1	2510057	2510157	_	1
##	5144	protein_coding	chr1	2510057	2510157	_	1
##	5145	protein_coding	chr1	2509862	2509930	_	1
##	5146	protein_coding	chr1	2509862	2509930	-	1
##	5147	protein_coding		2508847		_	1
##	5148	protein_coding		2508850		-	1
##	5149	protein_coding		2508847		_	1
##	5150	protein_coding		2508847		_	1
	5151	protein_coding		2528745		_	1
	5152	protein_coding		2528745		_	1
	5153	protein_coding		2530111		_	1
	5154	protein_coding		2530111		_	1
	5155	protein_coding		2530162		_	1
	5156	protein_coding		2529846		_	1
	5157	protein_coding		2529846		_	1
	5158	protein_coding		2528745		_	1
	5159	protein_coding		2529472		_	1
	5160	protein_coding		2529469		_	1
	5161	protein_coding		2530165		_	1
	5162	protein_coding		2528745		_	1
	5163	lncRNA		2530064		+	0
	5164	lncRNA		2530064		+	0
	5165	lncRNA		2530064			0
	5166			2545969		+	
		lncRNA				+	0
	5167 5168	lncRNA		2549920		_	1
		lncRNA		2549920 2550992		_	1
	5169	lncRNA				_	1
	5170	lncRNA		2550573		_	1
	5171	lncRNA		2549920		-	1
	5172	lncRNA		2549920		_	1
	5173	lncRNA		2556977		-	1
	5174	lncRNA		2554724		-	1
	5175	lncRNA		2554101		-	1
	5176	lncRNA		2553626		-	1
	5177	lncRNA		2551775		-	1
	5178	lncRNA		2549920		-	1
	5179	lncRNA		2550283		-	1
	5180	lncRNA		2550992		-	1
	5181	lncRNA		2550283		-	1
##	5182	${\tt lncRNA}$	chr1	2554241	2557031	-	1

##	5183	${\tt lncRNA}$	chr1	2556977	2557031	_	1
##	5184	${\tt lncRNA}$	${\tt chr1}$	2556428	2556696	-	1
##	5185	${\tt lncRNA}$	chr1	2555681	2555869	_	1
##	5186	${\tt lncRNA}$	${\tt chr1}$	2554241	2554296	-	1
##	5187	protein_coding	chr1	2555639	2565382	+	1
##	5188	protein_coding	chr1	2556222	2561718	+	1
##	5189	protein_coding	chr1	2556222	2556261	+	1
##	5190	protein_coding	chr1	2556585	2556733	+	1
##	5191	protein_coding	chr1	2556665	2556733	+	1
##	5192	protein_coding	chr1	2556665	2556667	+	1
##	5193	protein_coding	${\tt chr1}$	2557726	2557834	+	1
##	5194	protein_coding	${\tt chr1}$	2557726	2557834	+	1
##	5195	protein_coding	${\tt chr1}$	2558343	2558468	+	1
##	5196	protein_coding	chr1	2558343	2558468	+	1
##	5197	protein_coding	chr1	2559823	2559978	+	1
##	5198	protein_coding	chr1	2559823	2559978	+	1
##	5199	protein_coding	chr1	2560624	2560714	+	1
##	5200	protein_coding	chr1	2560624	2560714	+	1
##	5201	protein_coding	chr1	2561494	2561718	+	1
##	5202	protein_coding	chr1	2561494	2561521	+	1
##	5203	protein_coding	chr1	2561522	2561524	+	1
##	5204	protein_coding	chr1	2556222	2556261	+	1
##	5205	protein_coding	chr1	2556585	2556664	+	1
##	5206	protein_coding	chr1	2561522	2561718	+	1
##	5207	protein_coding	chr1	2556366	2563829	+	1
##	5208	protein_coding	chr1	2556366	2556733	+	1
##	5209	protein_coding	${\tt chr1}$	2556665	2556733	+	1
##	5210	protein_coding	${\tt chr1}$	2556665	2556667	+	1
##	5211	protein_coding	${\tt chr1}$	2557726	2557834	+	1
##	5212	<pre>protein_coding</pre>	${\tt chr1}$	2557726	2557834	+	1
##	5213	<pre>protein_coding</pre>	${\tt chr1}$	2558343	2558468	+	1
##	5214	<pre>protein_coding</pre>	chr1	2558343	2558468	+	1
##	5215	<pre>protein_coding</pre>	chr1	2559823	2559978	+	1
##	5216	<pre>protein_coding</pre>	chr1	2559823	2559978	+	1
##	5217	<pre>protein_coding</pre>	chr1	2560624	2560714	+	1
##	5218	<pre>protein_coding</pre>		2560624		+	1
	5219	<pre>protein_coding</pre>		2561673		+	1
##	5220	<pre>protein_coding</pre>	chr1	2561673	2561815	+	1
	5221	<pre>protein_coding</pre>		2562865		+	1
##	5222	<pre>protein_coding</pre>		2562865		+	1
	5223	<pre>protein_coding</pre>		2563148		+	1
	5224	<pre>protein_coding</pre>		2563148		+	1
	5225	<pre>protein_coding</pre>		2563271		+	1
	5226	<pre>protein_coding</pre>		2556366		+	1
	5227	<pre>protein_coding</pre>		2563271		+	1
	5228	TEC		2566410		+	0
	5229	TEC		2566410		+	0
	5230	TEC		2566410		+	0
	5231	TEC		2567866		+	0
	5232	TEC		2568977		+	0
	5233	lncRNA		2581560		+	0
	5234	lncRNA		2581560		+	0
	5235	lncRNA		2581560		+	0
##	5236	${\tt lncRNA}$	chr1	2583370	2583495	+	0

##	5237	lncRNA	chr1	2584125	2584533	+	0
	5238	protein_coding		2586491		+	1
##	5239	protein_coding		2586750		+	1
	5240	protein_coding		2586750		+	1
	5241	protein_coding		2586796		+	1
	5242	protein_coding		2586796		+	1
	5243	protein_coding		2587091		+	1
	5244	protein_coding		2587091		+	1
	5245	protein_coding		2587741		+	1
	5246	protein_coding		2587741		+	1
##	5247	protein_coding	chr1	2588336	2588453	+	1
##	5248	protein_coding		2588336		+	1
##	5249	protein_coding		2588550		+	1
##	5250	protein_coding		2588550		+	1
##	5251	protein_coding	chr1	2588922	2589040	+	1
##	5252	protein_coding	chr1	2588922	2589040	+	1
##	5253	protein_coding	chr1	2589410	2591467	+	1
##	5254	protein_coding	chr1	2589410	2589424	+	1
##	5255	protein_coding	chr1	2589425	2589427	+	1
##	5256	protein_coding	chr1	2586750	2586795	+	1
##	5257	protein_coding	chr1	2589425	2591467	+	1
##	5258	<pre>protein_coding</pre>	chr1	2586750	2591467	+	1
##	5259	<pre>protein_coding</pre>	chr1	2586750	2586948	+	1
##	5260	<pre>protein_coding</pre>	chr1	2586796	2586948	+	1
##	5261	<pre>protein_coding</pre>	chr1	2586796	2586798	+	1
##	5262	<pre>protein_coding</pre>	chr1	2587091	2587295	+	1
##	5263	<pre>protein_coding</pre>	chr1	2587091	2587295	+	1
	5264	<pre>protein_coding</pre>		2587741		+	1
	5265	<pre>protein_coding</pre>		2587741		+	1
	5266	<pre>protein_coding</pre>		2588390		+	1
	5267	<pre>protein_coding</pre>		2588390		+	1
	5268	<pre>protein_coding</pre>		2588954		+	1
	5269	protein_coding		2588954		+	1
	5270	protein_coding		2589410		+	1
	5271	protein_coding		2589410		+	1
	5272	protein_coding		2589425		+	1
	5273	protein_coding		2586750		+	1
	5274	protein_coding		2589425		+	1
	5275	protein_coding		2586775		+	1
	5276	protein_coding		2586775		+	1
	5277	protein_coding		2586886		+	1
	5278	protein_coding		2586886		+	1
	5279	protein_coding		2587091		+	1
	5280	protein_coding		2587091		+	1
	5281	protein_coding		2587741		+	1
	5282	protein_coding		2587741		+	1
	5283 5284	protein_coding		2588390 2588390		+ +	1
		protein_coding					1
	5285 5286	protein_coding		2588550 2588550		+ +	1
	5286	protein_coding		2588550 2588922		+	1 1
	5288	<pre>protein_coding protein_coding</pre>		2588922		+	1
	5289	protein_coding protein_coding		2589410		+	1
	5290	protein_coding protein_coding		2589410		+	1
π#	0200	broceru-couring	CIII I	2003410	2000424	•	_

	5291	<pre>protein_coding</pre>		2589425		+	1
	5292	<pre>protein_coding</pre>		2586775		+	1
	5293	<pre>protein_coding</pre>		2589425		+	1
	5294	<pre>protein_coding</pre>		2586780		+	1
	5295	<pre>protein_coding</pre>		2586780		+	1
##	5296	<pre>protein_coding</pre>	chr1	2586886	2586948	+	1
##	5297	<pre>protein_coding</pre>	chr1	2586886	2586888	+	1
##	5298	<pre>protein_coding</pre>	chr1	2587091	2587295	+	1
##	5299	<pre>protein_coding</pre>	chr1	2587091	2587295	+	1
##	5300	<pre>protein_coding</pre>	chr1	2587741	2587792	+	1
##	5301	protein_coding	chr1	2587741	2587792	+	1
##	5302	protein_coding	chr1	2588336	2588453	+	1
##	5303	protein_coding	chr1	2588336	2588453	+	1
##	5304	protein_coding	chr1	2588550	2588625	+	1
##	5305	protein_coding	chr1	2588550	2588625	+	1
##	5306	protein_coding	chr1	2588954	2589040	+	1
##	5307	protein_coding	chr1	2588954	2589040	+	1
##	5308	protein_coding		2589410		+	1
	5309	protein_coding		2589410		+	1
	5310	protein_coding		2589412		+	1
	5311	protein_coding		2586780		+	1
	5312	protein_coding		2589412		+	1
	5313	protein_coding		2586796		+	1
	5314	protein_coding protein_coding		2586796		+	1
	5315			2586886		+	1
	5316	protein_coding		2586886			
	5317	protein_coding				+	1
		protein_coding		2587091		+	1
	5318	protein_coding		2587091		+	1
	5319	protein_coding		2587741		+	1
	5320	protein_coding		2587741		+	1
	5321	protein_coding		2588390		+	1
	5322	<pre>protein_coding</pre>		2588390		+	1
	5323	<pre>protein_coding</pre>		2588957		+	1
	5324	<pre>protein_coding</pre>		2588957		+	1
##	5325	<pre>protein_coding</pre>	chr1	2589410	2589947	+	1
##	5326	<pre>protein_coding</pre>		2589410		+	1
##	5327	<pre>protein_coding</pre>	chr1	2589425	2589427	+	1
##	5328	<pre>protein_coding</pre>	chr1	2586796	2586885	+	1
##	5329	<pre>protein_coding</pre>	chr1	2589425	2589947	+	1
##	5330	protein_coding	chr1	2586798	2591463	+	1
##	5331	protein_coding	chr1	2586798	2586948	+	1
##	5332	protein_coding	chr1	2586886	2586948	+	1
##	5333	protein_coding	chr1	2586886	2586888	+	1
##	5334	protein_coding	chr1	2587091	2587295	+	1
##	5335	protein_coding		2587091		+	1
##	5336	protein_coding		2587741		+	1
	5337	protein_coding		2587741		+	1
	5338	protein_coding		2588390		+	1
	5339	protein_coding		2588390		+	1
	5340	protein_coding		2588550		+	1
	5341	protein_coding		2588550		+	1
	5342	protein_coding		2588954		+	1
	5343	protein_coding		2588954		+	1
	5344	protein_coding protein_coding		2589410		+	1
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	5345	protein_coding		2589410		+	1
##	5346	protein_coding	chr1	2589412	2589414	+	1
##	5347	<pre>protein_coding</pre>	chr1	2586798	2586885	+	1
##	5348	<pre>protein_coding</pre>	chr1	2589412	2591463	+	1
##	5349	protein_coding	chr1	2590639	2633016	-	1
##	5350	protein_coding	chr1	2590639	2633016	_	1
##	5351	protein_coding	chr1	2632866	2633016	-	1
##	5352	protein_coding	chr1	2629331	2629521	_	1
##	5353	protein_coding	chr1	2629331	2629484	_	1
##	5354	protein_coding	chr1	2629482	2629484	_	1
##	5355	protein_coding	chr1	2612127	2612204	_	1
##	5356	protein_coding		2612127		_	1
##	5357	protein_coding	chr1	2611281	2611340	_	1
##	5358	protein_coding		2611281		_	1
##	5359	protein_coding		2609670		_	1
	5360	protein_coding		2609670		_	1
	5361	protein_coding		2609339		_	1
	5362	protein_coding		2609339		_	1
	5363	protein_coding		2606974		_	1
	5364	protein_coding		2606974		_	1
	5365	protein_coding		2606248		_	1
	5366	protein_coding		2606248		_	1
	5367	protein_coding		2605558		_	1
	5368	protein_coding		2605558		_	1
	5369	protein_coding		2604147		_	1
	5370	-		2604147		_	1
	5371	protein_coding		2603884		_	1
	5372	protein_coding		2603884		_	1
	5373	protein_coding				_	
		protein_coding		2598654		_	1
	5374	protein_coding		2598654		_	1
	5375	protein_coding		2598207		_	1
	5376	protein_coding		2598207		_	1
	5377	protein_coding		2596561		_	1
	5378	protein_coding		2596561		_	1
	5379	protein_coding		2596009		_	1
	5380	protein_coding		2596009		_	1
	5381	protein_coding		2595276		-	1
	5382	protein_coding		2595276		-	1
	5383	<pre>protein_coding</pre>		2594790		-	1
	5384	<pre>protein_coding</pre>		2594790		-	1
	5385	<pre>protein_coding</pre>		2594385		_	1
	5386	<pre>protein_coding</pre>		2594385		-	1
	5387	<pre>protein_coding</pre>		2593814		-	1
	5388	<pre>protein_coding</pre>		2593814		-	1
	5389	<pre>protein_coding</pre>		2592833		-	1
	5390	<pre>protein_coding</pre>		2592833		-	1
	5391	<pre>protein_coding</pre>		2592655		-	1
	5392	<pre>protein_coding</pre>		2592655		-	1
	5393	<pre>protein_coding</pre>		2591932		-	1
	5394	<pre>protein_coding</pre>		2591932		-	1
##	5395	<pre>protein_coding</pre>	chr1	2591557	2591633		1
##	5396	<pre>protein_coding</pre>	chr1	2591557	2591633	-	1
	5397	<pre>protein_coding</pre>		2590639			1
##	5398	<pre>protein_coding</pre>	chr1	2590993	2591089	-	1

##	5399	<pre>protein_coding</pre>		2590990		-	1
##	5400	protein_coding	chr1	2632866	2633016	-	1
##	5401	<pre>protein_coding</pre>	chr1	2629485	2629521	-	1
##	5402	protein_coding	chr1	2590639	2590992	-	1
##	5403	protein_coding	chr1	2590926	2629494	-	1
##	5404	protein_coding	chr1	2629331	2629494	-	1
##	5405	protein_coding	chr1	2629331	2629484	_	1
##	5406	protein_coding	chr1	2629482	2629484	_	1
##	5407	protein_coding	chr1	2612127	2612204	_	1
##	5408	protein_coding		2612127		_	1
##	5409	protein_coding		2611281		_	1
##	5410	protein_coding		2611281		_	1
##	5411	protein_coding		2609670		_	1
	5412	protein_coding		2609670		_	1
	5413	protein_coding		2609394		_	1
	5414	protein_coding		2609394		_	1
	5415	protein_coding		2603884		_	1
	5416	protein_coding		2603884		_	1
	5417	protein_coding		2598654		_	1
	5418	protein_coding		2598654		_	1
	5419	<del>-</del>		2598207		_	1
	5420	<pre>protein_coding protein_coding</pre>		2598207		_	1
	5421	-		2596561		_	1
	5422	protein_coding		2596561		_	1
	5423	protein_coding		2596009		_	1
	5424	protein_coding		2596009		_	
	5425	protein_coding				-	1
		protein_coding		2595276		_	1
	5426	protein_coding		2595276		-	1
	5427	protein_coding		2594790		-	1
	5428	protein_coding		2594790		-	1
	5429	protein_coding		2594385		_	1
	5430	protein_coding		2594385		_	1
	5431	protein_coding		2593814		_	1
	5432	protein_coding		2593814		_	1
	5433	protein_coding		2592833		-	1
	5434	protein_coding		2592833		-	1
	5435	protein_coding		2592655		-	1
	5436	protein_coding		2592655		-	1
	5437	<pre>protein_coding</pre>		2591932		_	1
	5438	<pre>protein_coding</pre>		2591932		_	1
	5439	<pre>protein_coding</pre>		2591557		-	1
	5440	<pre>protein_coding</pre>		2591557		-	1
	5441	<pre>protein_coding</pre>		2590926		-	1
##	5442	<pre>protein_coding</pre>		2590993		-	1
##	5443	<pre>protein_coding</pre>		2590990		-	1
##	5444	<pre>protein_coding</pre>	chr1	2629485	2629494	_	1
##	5445	<pre>protein_coding</pre>	chr1	2590926	2590992	-	1
##	5446	lncRNA	chr1	2632568	2636620	+	0
##	5447	lncRNA	chr1	2632568	2636620	+	0
##	5448	lncRNA	chr1	2632568	2632675	+	0
##	5449	lncRNA	chr1	2636356	2636620	+	0
##	5450	protein_coding	chr1	2635976	2801717	-	1
##	5451	protein_coding	chr1	2635976	2801717	_	1
##	5452	protein_coding	chr1	2801577	2801717	-	1

##	5453	<pre>protein_coding</pre>		2800044		_	1
##	5454	<pre>protein_coding</pre>	chr1	2800044	2800827	-	1
##	5455	<pre>protein_coding</pre>	chr1	2800825	2800827	-	1
##	5456	protein_coding	chr1	2789503	2790346	-	1
##	5457	protein_coding	chr1	2789503	2790346	_	1
##	5458	protein_coding	chr1	2787481	2787706	-	1
##	5459	protein_coding	chr1	2787481	2787706	_	1
##	5460	protein_coding	chr1	2785819	2786023	_	1
##	5461	protein_coding	chr1	2785819	2786023	_	1
##	5462	protein_coding		2783609		_	1
##	5463	protein_coding		2783609		_	1
##	5464	protein_coding		2645293		_	1
##	5465	protein_coding		2645293		_	1
	5466	protein_coding		2644264		_	1
	5467	protein_coding		2644264		_	1
	5468	protein_coding		2635976		_	1
	5469	protein_coding		2641371		_	1
	5470	protein_coding		2641368		_	1
	5471	protein_coding		2801577		_	1
	5472	protein_coding		2800828		_	1
	5473	protein_coding		2635976		_	1
	5474	protein_coding		2641368		_	1
	5475	protein_coding protein_coding		2789503		_	1
	5476	protein_coding protein_coding		2789503		_	1
	5477			2789589		_	1
	5478	protein_coding		2787481		_	1
	5479	protein_coding		2787481		_	1
		protein_coding				_	
	5480 5481	protein_coding		2785819		_	1
		protein_coding		2785819		_	1
	5482	protein_coding		2783609		_	1
	5483	protein_coding		2783609		_	1
	5484	protein_coding		2645293		_	1
	5485	protein_coding		2645293		_	1
	5486	protein_coding		2644264		_	1
	5487	protein_coding		2644264		_	1
	5488	protein_coding		2641368		_	1
	5489	protein_coding		2641371		-	1
	5490	protein_coding		2641368		-	1
	5491	<pre>protein_coding</pre>		2789592		-	1
	5492	<pre>protein_coding</pre>		2641368		-	1
	5493	${\tt lncRNA}$		2768091		+	0
##	5494	${\tt lncRNA}$		2768091		+	0
	5495	${\tt lncRNA}$		2768091		+	0
##	5496	${\tt lncRNA}$	chr1	2777299	2777504	+	0
##	5497	${\tt lncRNA}$		2784348		+	0
##	5498	${\tt lncRNA}$	chr1	2773603	2776473	+	0
##	5499	${\tt lncRNA}$		2773603		+	0
##	5500	${\tt lncRNA}$	chr1	2773603	2773864	+	0
##	5501	${\tt lncRNA}$	${\tt chr1}$	2773947	2774066	+	0
##	5502	lncRNA	chr1	2774230	2774709	+	0
##	5503	lncRNA	chr1	2774790	2774910	+	0
##	5504	lncRNA	chr1	2774993	2775072	+	0
##	5505	lncRNA	chr1	2775155	2775274	+	0
##	5506	lncRNA	chr1	2775357	2775437	+	0

##	5507	lncRNA	chr1	2775519	2775634	+	0
##	5508	${\tt lncRNA}$	chr1	2776049	2776129	+	0
##	5509	${\tt lncRNA}$	chr1	2776370	2776473	+	0
##	5510	${\tt lncRNA}$	chr1	2811850	2812692	-	0
##	5511	lncRNA	chr1	2811850	2812692	_	0
##	5512	${\tt lncRNA}$	chr1	2812235	2812692	-	0
##	5513	${\tt lncRNA}$	chr1	2811850	2811998	-	0
##	5514	${\tt lncRNA}$	chr1	2814056	2817767	+	0
##	5515	${\tt lncRNA}$	chr1	2814056	2817767	+	0
##	5516	${\tt lncRNA}$	chr1	2814056	2814451	+	0
##	5517	${\tt lncRNA}$	chr1	2817501	2817767	+	0
##	5518	${\tt lncRNA}$	chr1	2814432	2814998	-	0
##	5519	${\tt lncRNA}$	chr1	2814432	2814998	-	0
##	5520	${\tt lncRNA}$	chr1	2814827	2814998	-	0
##	5521	${\tt lncRNA}$	chr1	2814432	2814688	-	0
##	5522	${\tt lncRNA}$	chr1	2960658	2968707	-	0
##	5523	${\tt lncRNA}$	chr1	2960658	2963415	-	0
##	5524	${\tt lncRNA}$	chr1	2963264	2963415	-	0
##	5525	${\tt lncRNA}$	chr1	2961672	2962100	-	0
##	5526	${\tt lncRNA}$	chr1	2960658	2961585	-	0
##	5527	<pre>protein_coding</pre>	chr1	3021483	3022903	+	1
##	5528	<pre>protein_coding</pre>	chr1	3021483	3022903	+	1
##	5529	<pre>protein_coding</pre>	chr1	3021483	3022903	+	1
##	5530	<pre>protein_coding</pre>	chr1	3021687	3022817	+	1
##	5531	<pre>protein_coding</pre>	chr1	3021687	3021689	+	1
	5532	<pre>protein_coding</pre>		3022818		+	1
	5533	<pre>protein_coding</pre>		3021483		+	1
	5534	<pre>protein_coding</pre>		3022818		+	1
	5535	lncRNA		3059615		-	1
	5536	lncRNA		3061959		_	1
	5537	lncRNA		3062195		_	1
	5538	lncRNA		3061959		-	1
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	5547	protein_coding		3244087		+	1
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	5550	protein_coding		3396491		+	1
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##	5602	protein_coding	chr1	3418667	3418744	+	1
##	5603	protein_coding	chr1	3425581	3425750	+	1
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ππ	UU11	brosern-couring	O111 1	2002131	5000200	•	_

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##	5624	protein_coding	chr1	3385152	3385286	+	1
##	5625	protein_coding	chr1	3385152	3385286	+	1
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	5636	protein_coding		3414560		+	1
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## 5678	##	5676	protein_coding	chr1	3414563	3414647	+	1
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## 5683	##	5681	protein_coding	chr1	3425581	3425750	+	1
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## 5685	##	5683	protein_coding	chr1	3426051	3426225	+	1
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## 5692 miRNA chr1 3127975 3128035 ## 5693 miRNA chr1 3127975 3128035 ## 5694 miRNA chr1 3127975 3128035 ## 5695 lncRNA chr1 3132927 3133709 ## 5696 lncRNA chr1 3132927 3133709 ## 5698 lncRNA chr1 3133573 3133709 ## 5699 TEC chr1 3205988 3208664 ## 5700 TEC chr1 3205988 3208664 ## 5701 TEC chr1 3205988 3208664 ## 5702 lncRNA chr1 3306636 3310096 ## 5703 lncRNA chr1 3306636 3310096 ## 5704 lncRNA chr1 3306636 3310096 ## 5705 lncRNA chr1 3303636 3310096 ## 5706 lncRNA chr1 3313052 3323149 ## 5707 lncRNA chr1 3313052 3323149 ## 5708 lncRNA chr1 3367815 3373928 ## 5710 lncRNA chr1 3367815 3373928 ## 5711 lncRNA chr1 3367815 3373928 ## 5711 lncRNA chr1 3367815 3373928 ## 5712 lncRNA chr1 3454665 3481113 ## 5714 protein_coding chr1 3454665 3481113 ## 5715 protein_coding chr1 3463085 3463672 ## 5717 protein_coding chr1 3463085 3463672 ## 5718 protein_coding chr1 3463085 3463087 ## 5719 protein_coding chr1 3466148 3466193 ## 5710 protein_coding chr1 3466148 3466193 ## 5718 protein_coding chr1 3466148 3466193 ## 5719 protein_coding chr1 3466148 3466193 ## 5719 protein_coding chr1 3466148 3466193	##	5690	protein_coding	chr1	3069211	3069259	+	1
## 5693 miRNA chr1 3127975 3128035 ## 5694 miRNA chr1 3127975 3128035 ## 5695 lncRNA chr1 3132927 3133709 ## 5696 lncRNA chr1 3132927 3133709 ## 5698 lncRNA chr1 3132927 3133709 ## 5699 TEC chr1 3205988 3208664 ## 5700 TEC chr1 3205988 3208664 ## 5701 TEC chr1 3205988 3208664 ## 5702 lncRNA chr1 3306636 3310096 ## 5703 lncRNA chr1 3306636 3310096 ## 5704 lncRNA chr1 3306636 3310096 ## 5705 lncRNA chr1 3313052 3323149 ## 5706 lncRNA chr1 3313052 3323149 ## 5707 lncRNA chr1 3313052 3323149 ## 5708 lncRNA chr1 3313052 3323149 ## 5709 lncRNA chr1 3367815 3373928 ## 5710 lncRNA chr1 3367815 3373928 ## 5710 lncRNA chr1 3367815 3373928 ## 5711 lncRNA chr1 3367815 3373928 ## 5712 lncRNA chr1 3454665 3481113 ## 5714 protein_coding chr1 3454665 3481113 ## 5715 protein_coding chr1 3463085 3463087 ## 5718 protein_coding chr1 3463085 3463087 ## 5719 protein_coding chr1 3466148 3466193 ## 5720 protein_coding chr1 3466148 3466193 ## 5720 protein_coding chr1 3466148 3466193	##	5691	protein_coding	chr1	3433687	3434342	+	1
## 5694 miRNA chr1 3127975 3128035 ## 5695 lncRNA chr1 3132927 3133709 ## 5696 lncRNA chr1 3132927 3133709 ## 5697 lncRNA chr1 3132927 3133709 ## 5698 lncRNA chr1 3132927 3133258 ## 5699 TEC chr1 3205988 3208664 ## 5700 TEC chr1 3205988 3208664 ## 5701 TEC chr1 3205988 3208664 ## 5702 lncRNA chr1 3306636 3310096 ## 5703 lncRNA chr1 3306636 3310096 ## 5704 lncRNA chr1 3306636 3310096 ## 5705 lncRNA chr1 3313052 3323149 ## 5706 lncRNA chr1 3313052 3323149 ## 5707 lncRNA chr1 3313052 3323149 ## 5708 lncRNA chr1 3313052 3323149 ## 5709 lncRNA chr1 3367815 3373928 ## 5710 lncRNA chr1 3367815 3373928 ## 5710 lncRNA chr1 3367815 3373928 ## 5711 lncRNA chr1 3367815 3373928 ## 5712 lncRNA chr1 3454665 3481113 ## 5714 protein_coding chr1 3454665 3481113 ## 5715 protein_coding chr1 3453665 3463672 ## 5716 protein_coding chr1 3463085 3463087 ## 5717 protein_coding chr1 3463085 3463087 ## 5718 protein_coding chr1 3463085 3463087 ## 5719 protein_coding chr1 3466148 3466193 ## 5720 protein_coding chr1 3466148 3466193 ## 5720 protein_coding chr1 3466148 3466193	##	5692	miRNA	chr1	3127975	3128035	+	1
## 5695   lncRNA   chr1 3132927 3133709 ## 5696   lncRNA   chr1 3132927 3133709 ## 5697   lncRNA   chr1 3133573 3133709 ## 5698   lncRNA   chr1 3132927 3133258 ## 5699   TEC   chr1 3205988 3208664 ## 5700   TEC   chr1 3205988 3208664 ## 5701   TEC   chr1 3205988 3208664 ## 5702   lncRNA   chr1 3306636 3310096 ## 5703   lncRNA   chr1 3306636 3310096 ## 5704   lncRNA   chr1 3306636 3310096 ## 5705   lncRNA   chr1 3306636 3310096 ## 5706   lncRNA   chr1 3313052 3323149 ## 5707   lncRNA   chr1 3313052 3323149 ## 5708   lncRNA   chr1 3313052 3323149 ## 5709   lncRNA   chr1 3367815 3373928 ## 5710   lncRNA   chr1 3367815 3373928 ## 5711   lncRNA   chr1 3367815 3373928 ## 5712   lncRNA   chr1 3454665 3481113 ## 5714   protein_coding   chr1 3454665 3481113 ## 5716   protein_coding   chr1 3463085 3463087 ## 5717   protein_coding   chr1 3463085 3463087 ## 5718   protein_coding   chr1 3463085 3463087 ## 5719   protein_coding   chr1 3466148 3466193 ## 5710   protein_coding   chr1 3466148 3466193 ## 5719   protein_coding   chr1 3466148 3466193 ## 5719   protein_coding   chr1 3466148 3466193 ## 5719   protein_coding   chr1 3466148 3466193	##	5693	miRNA	chr1	3127975	3128035	+	1
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## 5697	##	5695	${\tt lncRNA}$	chr1	3132927	3133709	-	0
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## 5699 ## 5700 ## 5701 ## 5702 ## 5703 ## 5704 ## 5705 ## 5705 ## 5706 ## 5707 ## 5708 ## 5709 ## 5710 ## 5709 ## 5710 ## 5710 ## 5710 ## 5711 ## 5711 ## 5712 ## 5712 ## 5714 ## 5715 ## 5714 ## 5715 ## 5714 ## 5716 ## 5716 ## 5716 ## 5716 ## 5718 ## 5710 ## 5710 ## 5711 ## 5716 ## 5711 ## 5716 ## 5716 ## 5717 ## 5716 ## 5718 ## 5719 ## 5719 ## 5719 ## 5710 ## 5710 ## 5711 ## 5711 ## 5712 ## 5712 ## 5713 ## 5714 ## 5714 ## 5715 ## 5715 ## 5716 ## 5716 ## 5717 ## 5718 ## 5719 ## 5719 ## 5719 ## 5719 ## 5710 ## 5710 ## 5710 ## 5711 ## 5712 ## 5713 ## 5714 ## 5714 ## 5715 ## 5715 ## 5716 ## 5716 ## 5717 ## 5716 ## 5717 ## 5718 ## 5718 ## 5719 ## 5719 ## 5720 ## 5721 ## 572	##	5697	${\tt lncRNA}$	chr1	3133573	3133709	-	0
## 5700  ## 5701  ## 5702    1ncRNA   chr1   330636   3310096   33	##	5698	${\tt lncRNA}$	chr1	3132927	3133258	-	0
## 5701  ## 5702    1ncRNA   chr1   330636   3310096     5703     1ncRNA   chr1   330636   3310096     5704     1ncRNA   chr1   330636   3310096     5705     1ncRNA   chr1   3313052   3323149     5706     1ncRNA   chr1   3312884   3323149     ## 5707     1ncRNA   chr1   3312884   3323149     ## 5708     1ncRNA   chr1   3313052   3313513     ## 5709     1ncRNA   chr1   3367815   3373928     ## 5710     1ncRNA   chr1   3367815   3373928     ## 5711     1ncRNA   chr1   3367815   3373928     ## 5712     1ncRNA   chr1   3367815   3369621     ## 5713   protein_coding   chr1   3454665   3481113     ## 5714   protein_coding   chr1   3454665   3451113     ## 5715   protein_coding   chr1   3463066   3463672     ## 5717   protein_coding   chr1   3463085   3463087     ## 5718   protein_coding   chr1   3463085   3463087     ## 5719   protein_coding   chr1   3466148   3466193     ## 5720   protein_coding   chr1   3466148   3466193     ## 5721   protein_coding   chr1   3467168   3467337     ## 5721   Protein_coding   chr1   3467168   346	##	5699	TEC	chr1	3205988	3208664	+	0
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## 5703	##	5701	TEC	chr1	3205988	3208664	+	0
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## 5705 ## 5706 ## 5707 ## 5708 ## 5708 ## 5709 ## 5710 ## 5711 ## 5712 ## 5713 ## 5714 ## 5714 ## 5715 ## 5715 ## 5715 ## 5716 ## 5716 ## 5716 ## 5716 ## 5717 ## 5717 ## 5718 ## 5719 ## 5719 ## 5710 ## 5710 ## 5710 ## 5711 ## 5712 ## 5713 ## 5714 ## 5714 ## 5715 ## 5715 ## 5715 ## 5716 ## 5716 ## 5717 ## 5717 ## 5718 ## 5718 ## 5719 ## 5719 ## 5720 ## 5721	##	5703	${\tt lncRNA}$	chr1	3306636	3310096	_	0
## 5706 ## 5707   lncRNA   chr1 3313052 3323149 ## 5708   lncRNA   chr1 3313052 3323149 ## 5709   lncRNA   chr1 3367815 3373928 ## 5710   lncRNA   chr1 3367815 3373928 ## 5711   lncRNA   chr1 3367815 3373928 ## 5712   lncRNA   chr1 3367815 3369621 ## 5713   protein_coding   chr1 3454665 3481113 ## 5714   protein_coding   chr1 3454665 3481113 ## 5715   protein_coding   chr1 3454665 3454811 ## 5716   protein_coding   chr1 3463066 3463672 ## 5717   protein_coding   chr1 3463085 3463672 ## 5718   protein_coding   chr1 3463085 3463087 ## 5719   protein_coding   chr1 3466148 3466193 ## 5720   protein_coding   chr1 3466148 3466193 ## 5721   protein_coding   chr1 3467168 3467337	##	5704	${\tt lncRNA}$	${\tt chr1}$	3306636	3310096	-	0
## 5707   lncRNA   chr1 3322884 3323149 ## 5708   lncRNA   chr1 3313052 3313513 ## 5709   lncRNA   chr1 3367815 3373928 ## 5710   lncRNA   chr1 3367815 3373928 ## 5711   lncRNA   chr1 3372952 3373928 ## 5712   lncRNA   chr1 3367815 3369621 ## 5713   protein_coding   chr1 3454665 3481113 ## 5714   protein_coding   chr1 3454665 3481113 ## 5715   protein_coding   chr1 3454665 3454811 ## 5716   protein_coding   chr1 3463066 3463672 ## 5717   protein_coding   chr1 3463085 3463672 ## 5718   protein_coding   chr1 3463085 3463087 ## 5719   protein_coding   chr1 3466148 3466193 ## 5720   protein_coding   chr1 3466148 3466193 ## 5721   protein_coding   chr1 3467168 3467337	##	5705	${\tt lncRNA}$	${\tt chr1}$	3313052	3323149	-	0
## 5708 ## 5709   1ncRNA   chr1 3313052 3313513   ## 5710   lncRNA   chr1 3367815 3373928   ## 5711   lncRNA   chr1 3372952 3373928   ## 5712   lncRNA   chr1 3367815 3369621   ## 5713   protein_coding   chr1 3454665 3481113   ## 5714   protein_coding   chr1 3454665 3481113   ## 5715   protein_coding   chr1 3454665 3454811   ## 5716   protein_coding   chr1 3463066 3463672   ## 5717   protein_coding   chr1 3463085 3463672   ## 5718   protein_coding   chr1 3463085 3463087   ## 5719   protein_coding   chr1 3466148 3466193   ## 5720   protein_coding   chr1 3466148 3466193   ## 5721   protein_coding   chr1 3467168 3467337	##	5706	${\tt lncRNA}$	${\tt chr1}$	3313052	3323149	-	0
## 5709	##	5707	${\tt lncRNA}$	${\tt chr1}$	3322884	3323149	-	0
## 5710	##	5708	${\tt lncRNA}$	${\tt chr1}$	3313052	3313513	-	0
## 5711	##	5709	${\tt lncRNA}$	${\tt chr1}$	3367815	3373928	-	0
## 5712	##	5710	${\tt lncRNA}$	${\tt chr1}$	3367815	3373928	-	0
## 5713 protein_coding chr1 3454665 3481113 ## 5714 protein_coding chr1 3454665 3481113 ## 5715 protein_coding chr1 3454665 3454811 ## 5716 protein_coding chr1 3463066 3463672 ## 5717 protein_coding chr1 3463085 3463672 ## 5718 protein_coding chr1 3463085 3463087 ## 5719 protein_coding chr1 3466148 3466193 ## 5720 protein_coding chr1 3466148 3466193 ## 5721 protein_coding chr1 3467168 3467337	##	5711	${\tt lncRNA}$	${\tt chr1}$	3372952	3373928	-	0
## 5714 protein_coding chr1 3454665 3481113 ## 5715 protein_coding chr1 3454665 3454811 ## 5716 protein_coding chr1 3463066 3463672 ## 5717 protein_coding chr1 3463085 3463672 ## 5718 protein_coding chr1 3463085 3463087 ## 5719 protein_coding chr1 3466148 3466193 ## 5720 protein_coding chr1 3466148 3466193 ## 5721 protein_coding chr1 3467168 3467337	##	5712	${\tt lncRNA}$	${\tt chr1}$	3367815	3369621	-	0
## 5715 protein_coding chr1 3454665 3454811 ## 5716 protein_coding chr1 3463066 3463672 ## 5717 protein_coding chr1 3463085 3463672 ## 5718 protein_coding chr1 3463085 3463087 ## 5719 protein_coding chr1 3466148 3466193 ## 5720 protein_coding chr1 3466148 3466193 ## 5721 protein_coding chr1 3467168 3467337	##	5713	<pre>protein_coding</pre>	chr1	3454665	3481113	+	1
## 5716 protein_coding chr1 3463066 3463672 ## 5717 protein_coding chr1 3463085 3463672 ## 5718 protein_coding chr1 3463085 3463087 ## 5719 protein_coding chr1 3466148 3466193 ## 5720 protein_coding chr1 3466148 3466193 ## 5721 protein_coding chr1 3467168 3467337	##	5714	<pre>protein_coding</pre>	chr1	3454665	3481113	+	1
## 5717 protein_coding chr1 3463085 3463672 ## 5718 protein_coding chr1 3463085 3463087 ## 5719 protein_coding chr1 3466148 3466193 ## 5720 protein_coding chr1 3466148 3466193 ## 5721 protein_coding chr1 3467168 3467337	##	5715	<pre>protein_coding</pre>				+	1
## 5718 protein_coding chr1 3463085 3463087 ## 5719 protein_coding chr1 3466148 3466193 ## 5720 protein_coding chr1 3466148 3466193 ## 5721 protein_coding chr1 3467168 3467337	##	5716	<pre>protein_coding</pre>				+	1
## 5719 protein_coding chr1 3466148 3466193 ## 5720 protein_coding chr1 3466148 3466193 ## 5721 protein_coding chr1 3467168 3467337							+	1
## 5720 protein_coding chr1 3466148 3466193 ## 5721 protein_coding chr1 3467168 3467337	##	5718		chr1	3463085	3463087	+	1
## 5721 protein_coding chr1 3467168 3467337			<pre>protein_coding</pre>				+	1
<u> </u>							+	1
## 5722 protein_coding chr1 3467168 3467337							+	1
	##	5722	<pre>protein_coding</pre>	chr1	3467168	3467337	+	1

	5723	<pre>protein_coding</pre>		3468880		+	1
	5724	<pre>protein_coding</pre>		3468880		+	1
	5725	<pre>protein_coding</pre>		3469433		+	1
	5726	<pre>protein_coding</pre>		3469433		+	1
##	5727	<pre>protein_coding</pre>	chr1	3473078	3473230	+	1
##	5728	protein_coding	chr1	3473078	3473230	+	1
##	5729	protein_coding	chr1	3473393	3473522	+	1
##	5730	protein_coding	chr1	3473393	3473522	+	1
##	5731	protein_coding	chr1	3474708	3474782	+	1
##	5732	protein_coding	chr1	3474708	3474782	+	1
##	5733	protein_coding	chr1	3475970	3476062	+	1
##	5734	protein_coding	chr1	3475970	3476062	+	1
##	5735	protein_coding	chr1	3477875	3478026	+	1
##	5736	protein_coding		3477875		+	1
##	5737	protein_coding		3478424		+	1
	5738	protein_coding		3478424		+	1
	5739	protein_coding		3479517		+	1
	5740	protein_coding		3479517		+	1
	5741	protein_coding		3479812		+	1
	5742	protein_coding		3479812		+	1
	5743	protein_coding		3480448		+	1
	5744	protein_coding		3480448		+	1
	5745	protein_coding		3480585		+	1
	5746	protein_coding		3454665		+	1
	5747	protein_coding		3463066		+	1
	5748	-		3480585		+	1
	5749	protein_coding		3466005		+	1
	5750	protein_coding		3466005		+	1
		protein_coding					
	5751	protein_coding		3467168		+	1
	5752	protein_coding		3468880		+	1
	5753	protein_coding		3469433		+	1
	5754	protein_coding		3469436		+	1
	5755	protein_coding		3469436		+	1
	5756	protein_coding		3473078		+	1
	5757	protein_coding		3473078		+	1
	5758	protein_coding		3473393		+	1
##	5759	protein_coding		3473393		+	1
	5760	protein_coding		3474708		+	1
	5761	<pre>protein_coding</pre>		3474708		+	1
	5762	<pre>protein_coding</pre>		3475970		+	1
	5763	<pre>protein_coding</pre>		3475970		+	1
	5764	<pre>protein_coding</pre>		3477875		+	1
	5765	<pre>protein_coding</pre>		3477875		+	1
	5766	<pre>protein_coding</pre>		3478424		+	1
##	5767	<pre>protein_coding</pre>		3478424		+	1
##	5768	<pre>protein_coding</pre>		3479517		+	1
	5769	<pre>protein_coding</pre>		3479517		+	1
##	5770	<pre>protein_coding</pre>		3479812		+	1
##	5771	<pre>protein_coding</pre>		3479812		+	1
##	5772	<pre>protein_coding</pre>	chr1	3480448	3481113	+	1
##	5773	<pre>protein_coding</pre>	chr1	3480448	3480584	+	1
##	5774	<pre>protein_coding</pre>	chr1	3480585	3480587	+	1
	5775	<pre>protein_coding</pre>	chr1	3466005	3466193	+	1
##	5776	<pre>protein_coding</pre>	chr1	3467168	3467337	+	1

	5777	<pre>protein_coding</pre>		3468880		+	1
	5778	<pre>protein_coding</pre>		3469433		+	1
##	5779	protein_coding	chr1	3480585	3481113	+	1
##	5780	<pre>protein_coding</pre>	chr1	3466971	3481113	+	1
##	5781	<pre>protein_coding</pre>	chr1	3466971	3467337	+	1
##	5782	protein_coding	${\tt chr1}$	3468880	3468936	+	1
##	5783	protein_coding	chr1	3469433	3469593	+	1
##	5784	protein_coding	chr1	3469436	3469593	+	1
##	5785	protein_coding	chr1	3469436	3469438	+	1
##	5786	protein_coding	chr1	3473078	3473230	+	1
##	5787	protein_coding	chr1	3473078	3473230	+	1
##	5788	protein_coding		3473393		+	1
##	5789	protein_coding		3473393		+	1
	5790	protein_coding		3474708		+	1
	5791	protein_coding		3474708		+	1
	5792	protein_coding		3475970		+	1
	5793	protein_coding		3475970		+	1
	5794	protein_coding		3477875		+	1
	5795	protein_coding		3477875		+	1
	5796	protein_coding		3478424		+	1
	5797	protein_coding		3478424		+	1
	5798	protein_coding		3479517		+	1
	5799	-		3479517		+	1
	5800	protein_coding		3479812		+	1
	5801	protein_coding		3479812		+	1
	5802	protein_coding					
		protein_coding		3480448		+	1
	5803	protein_coding		3480448		+	1
	5804	protein_coding		3480585		+	1
	5805	protein_coding		3466971		+	1
	5806	protein_coding		3468880		+	1
	5807	protein_coding		3469433		+	1
	5808	protein_coding		3480585		+	1
	5809	lncRNA		3487246		+	0
	5810	${\tt lncRNA}$		3487246		+	0
	5811	${\tt lncRNA}$		3487246		+	0
	5812	<pre>protein_coding</pre>		3487951		_	1
	5813	<pre>protein_coding</pre>		3487951		_	1
##	5814	<pre>protein_coding</pre>	chr1	3611138	3611508	-	1
	5815	<pre>protein_coding</pre>	chr1	3611138	3611268	-	1
##	5816	<pre>protein_coding</pre>		3611266		_	1
	5817	<pre>protein_coding</pre>		3602466		-	1
##	5818	<pre>protein_coding</pre>	chr1	3602466	3602600	_	1
##	5819	<pre>protein_coding</pre>	chr1	3595338	3595447	_	1
##	5820	<pre>protein_coding</pre>	chr1	3595338	3595447	_	1
##	5821	protein_coding	${\tt chr1}$	3579825	3579929	-	1
##	5822	protein_coding	chr1	3579825	3579929	-	1
##	5823	protein_coding	chr1	3524124	3524246	_	1
##	5824	protein_coding	chr1	3524124	3524246	-	1
##	5825	protein_coding	chr1	3515402	3515527	-	1
##	5826	protein_coding	chr1	3515402	3515527	-	1
##	5827	protein_coding		3514550		_	1
##	5828	protein_coding		3514550		_	1
##	5829	protein_coding		3512006		_	1
	5830	protein_coding		3512006		_	1

	5831	<pre>protein_coding</pre>		3511550		-	1
	5832	<pre>protein_coding</pre>		3511550		-	1
	5833	<pre>protein_coding</pre>		3510783		-	1
	5834	<pre>protein_coding</pre>		3510783		-	1
	5835	<pre>protein_coding</pre>		3509870		-	1
##	5836	<pre>protein_coding</pre>	chr1	3509870	3509992	-	1
##	5837	<pre>protein_coding</pre>	chr1	3509075	3509245	-	1
##	5838	<pre>protein_coding</pre>	chr1	3509075	3509245	-	1
##	5839	<pre>protein_coding</pre>	chr1	3508558	3508689	-	1
##	5840	<pre>protein_coding</pre>	chr1	3508558	3508689	-	1
##	5841	<pre>protein_coding</pre>	chr1	3507795	3507923	-	1
##	5842	protein_coding	chr1	3507795	3507923	-	1
##	5843	protein_coding	chr1	3506108	3506236	-	1
##	5844	protein_coding	chr1	3506108	3506236	-	1
##	5845	protein_coding	chr1	3505422	3505556	-	1
##	5846	protein_coding	chr1	3505422	3505556	-	1
##	5847	protein_coding	chr1	3505208	3505342	-	1
##	5848	protein_coding	chr1	3505208	3505342	-	1
##	5849	protein_coding	chr1	3501796	3501921	-	1
##	5850	protein_coding	chr1	3501796	3501921	_	1
##	5851	protein_coding	chr1	3501177	3501308	_	1
##	5852	protein_coding		3501177		_	1
##	5853	protein_coding	chr1	3500966	3501094	_	1
	5854	protein_coding		3500966		_	1
	5855	protein_coding		3500633		_	1
	5856	protein_coding		3500633		_	1
	5857	protein_coding		3499796		_	1
	5858	protein_coding		3499796		_	1
	5859	protein_coding		3499588		_	1
	5860	protein_coding		3499588		_	1
	5861			3499138		_	1
	5862	protein_coding		3499138		_	1
	5863	protein_coding		3498698		_	1
	5864	protein_coding		3498698			1
	5865	protein_coding		3498371			1
	5866	protein_coding		3498371		_	1
		protein_coding				_	_
	5867	protein_coding		3497233		_	1
	5868	protein_coding		3497233 3496988		_	1
	5869	protein_coding				_	1
	5870	protein_coding		3496988		_	1
	5871	protein_coding		3496655		-	1
	5872	protein_coding		3496655		-	1
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	5874	protein_coding		3495890		-	1
	5875	protein_coding		3494613		-	1
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	5877	<pre>protein_coding</pre>		3494371		-	1
	5878	<pre>protein_coding</pre>		3494371		-	1
	5879	<pre>protein_coding</pre>		3493996		-	1
	5880	<pre>protein_coding</pre>		3493996		-	1
	5881	<pre>protein_coding</pre>		3493771		-	1
	5882	<pre>protein_coding</pre>		3493771		-	1
	5883	<pre>protein_coding</pre>		3492639		-	1
##	5884	<pre>protein_coding</pre>	chr1	3492639	3492767	-	1

##	5885	<pre>protein_coding</pre>		3490912		-	1
##	5886	<pre>protein_coding</pre>	chr1	3490912	3490959	-	1
##	5887	<pre>protein_coding</pre>	chr1	3487951	3490589	-	1
##	5888	protein_coding	chr1	3490531	3490589	-	1
##	5889	protein_coding	chr1	3490528	3490530	-	1
##	5890	protein_coding	chr1	3611269	3611508	-	1
##	5891	protein_coding	chr1	3487951	3490530	-	1
##	5892	protein_coding	chr1	3489920	3531448	_	1
##	5893	protein_coding	chr1	3531080	3531448	_	1
##	5894	protein_coding		3531080		_	1
##	5895	protein_coding		3531243		_	1
	5896	protein_coding		3524124		_	1
	5897	protein_coding		3524124		_	1
	5898	protein_coding		3515402		_	1
	5899	protein_coding		3515402		_	1
	5900	protein_coding		3514550		_	1
	5901	protein_coding		3514550		_	1
	5902	protein_coding		3512006		_	1
	5903	protein_coding		3512006		_	1
	5904	protein_coding		3511550		_	1
	5905	<del>-</del>		3511550		_	1
	5906	<pre>protein_coding protein_coding</pre>		3510783		_	1
	5907	-		3510783		_	1
	5908	protein_coding		3509870		_	1
	5909	protein_coding		3509870		_	1
	5910	protein_coding		3509075		_	
		protein_coding				_	1
	5911	protein_coding		3509075		_	1
	5912	protein_coding		3508558		-	1
	5913	protein_coding		3508558		-	1
	5914	protein_coding		3507795		_	1
	5915	protein_coding		3507795		_	1
	5916	protein_coding		3506108		-	1
	5917	protein_coding		3506108		-	1
	5918	<pre>protein_coding</pre>		3505422		-	1
	5919	<pre>protein_coding</pre>		3505422		-	1
	5920	<pre>protein_coding</pre>		3505208		-	1
	5921	<pre>protein_coding</pre>		3505208		-	1
	5922	<pre>protein_coding</pre>		3501796		-	1
	5923	<pre>protein_coding</pre>		3501796		-	1
##	5924	<pre>protein_coding</pre>		3501177		-	1
##	5925	<pre>protein_coding</pre>		3501177		-	1
##	5926	<pre>protein_coding</pre>	chr1	3500966	3501094	-	1
##	5927	<pre>protein_coding</pre>	chr1	3500966	3501094	-	1
##	5928	<pre>protein_coding</pre>	chr1	3500633	3500764	-	1
##	5929	<pre>protein_coding</pre>	chr1	3500633	3500764	-	1
##	5930	<pre>protein_coding</pre>		3499796		-	1
##	5931	<pre>protein_coding</pre>	chr1	3499796	3499924	-	1
##	5932	protein_coding	chr1	3499588	3499716	-	1
##	5933	protein_coding	chr1	3499588	3499716	-	1
##	5934	protein_coding	chr1	3498371	3498499	-	1
##	5935	protein_coding	chr1	3498371	3498499	-	1
##	5936	protein_coding	chr1	3497233	3497361	-	1
##	5937	protein_coding	chr1	3497233	3497361	-	1
##	5938	protein_coding	chr1	3496655	3496783	-	1
		-					

##	5939	<pre>protein_coding</pre>	chr1	3496655	3496783	-	1
##	5940	<pre>protein_coding</pre>	chr1	3495890	3496018	-	1
##	5941	protein_coding	${\tt chr1}$	3495890	3496018	-	1
##	5942	protein_coding	chr1	3494613	3494741	-	1
##	5943	protein_coding	chr1	3494613	3494741	-	1
##	5944	protein_coding	chr1	3494371	3494499	_	1
##	5945	protein_coding	chr1	3494371	3494499	_	1
##	5946	protein_coding		3493771		_	1
	5947	protein_coding		3493771		_	1
	5948	protein_coding		3492639		_	1
	5949	protein_coding		3492639		_	1
	5950	protein_coding		3490912		_	1
	5951			3490912		_	1
	5952	protein_coding		3489920			1
		protein_coding				_	
	5953	protein_coding		3490531		-	1
	5954	protein_coding		3490528		-	1
	5955	protein_coding		3531246		-	1
	5956	protein_coding		3489920		-	1
	5957	miRNA		3560695		-	1
	5958	miRNA		3560695		-	1
	5959	miRNA		3560695		_	1
	5960	${\tt lncRNA}$		3623190		-	0
##	5961	${\tt lncRNA}$	chr1	3623190	3624743	-	0
##	5962	${\tt lncRNA}$	chr1	3624632	3624743	-	0
##	5963	${\tt lncRNA}$	chr1	3624308	3624450	-	0
##	5964	${\tt lncRNA}$	${\tt chr1}$	3623190	3623556	-	0
##	5965	protein_coding	${\tt chr1}$	3625015	3630127	+	1
##	5966	protein_coding	${\tt chr1}$	3625015	3630127	+	1
##	5967	protein_coding	chr1	3625015	3625273	+	1
##	5968	protein_coding	chr1	3625073	3625273	+	1
##	5969	protein_coding	chr1	3625073	3625075	+	1
##	5970	protein_coding	chr1	3625424	3625515	+	1
##	5971	protein_coding	chr1	3625424	3625515	+	1
##	5972	protein_coding	chr1	3625713	3625889	+	1
##	5973	protein_coding		3625713		+	1
	5974	protein_coding		3627500		+	1
	5975	protein_coding		3627500		+	1
	5976	protein_coding		3628409		+	1
	5977	protein_coding		3628409		+	1
	5978	protein_coding		3628601		+	1
	5979	protein_coding		3625015		+	1
	5980			3628601		+	1
		protein_coding				+	
	5981	protein_coding		3625050			1
	5982	protein_coding		3625050		+	1
	5983	protein_coding		3625073		+	1
	5984	protein_coding		3625073		+	1
	5985	protein_coding		3625424		+	1
	5986	protein_coding		3625424		+	1
	5987	<pre>protein_coding</pre>		3627500		+	1
	5988	<pre>protein_coding</pre>		3627500		+	1
	5989	<pre>protein_coding</pre>		3628409		+	1
	5990	<pre>protein_coding</pre>	chr1	3628409	3628600	+	1
	5991	<pre>protein_coding</pre>		3628601		+	1
##	5992	<pre>protein_coding</pre>	chr1	3625050	3625072	+	1

##	5993	<pre>protein_coding</pre>	chr1	3628601	3630127	+	1
##	5994	<pre>protein_coding</pre>	chr1	3630767	3652761	_	1
##	5995	protein_coding	${\tt chr1}$	3630767	3650058	-	1
##	5996	protein_coding	${\tt chr1}$	3649931	3650058	_	1
##	5997	protein_coding	chr1	3649931	3649999	_	1
##	5998	protein_coding	chr1	3649997	3649999	_	1
##	5999	protein_coding	chr1	3647408	3647560	_	1
##	6000	protein_coding		3647408		_	1
##	6001	protein_coding		3646666		_	1
	6002	protein_coding		3646666		_	1
	6003	protein_coding		3638750		_	1
	6004	protein_coding		3638750		_	1
	6005	protein_coding		3636995		_	1
	6006	protein_coding		3636995		_	1
	6007	protein_coding		3635944		_	1
	6008	protein_coding		3635944		_	1
	6009	-		3635160		_	1
	6010	protein_coding		3635160		_	1
	6011	protein_coding		3634997		_	1
	6012	protein_coding				_	
	6013	protein_coding		3634997 3633398		_	1
		protein_coding				_	1
	6014	protein_coding		3633398		_	1
	6015	protein_coding		3632213		-	1
	6016	protein_coding		3632213		-	1
	6017	protein_coding		3630767		_	1
	6018	protein_coding		3631401		_	1
	6019	protein_coding		3631398		_	1
	6020	protein_coding		3650000		_	1
	6021	<pre>protein_coding</pre>		3630767		-	1
	6022	<pre>protein_coding</pre>		3630770		-	1
	6023	<pre>protein_coding</pre>		3649931		_	1
	6024	<pre>protein_coding</pre>		3649931		_	1
	6025	<pre>protein_coding</pre>		3649997		-	1
	6026	<pre>protein_coding</pre>		3647408		-	1
##	6027	<pre>protein_coding</pre>		3647408		-	1
##	6028	<pre>protein_coding</pre>	chr1	3646666	3646782	-	1
##	6029	<pre>protein_coding</pre>	chr1	3646666	3646782	-	1
##	6030	<pre>protein_coding</pre>	chr1	3638750	3638822	-	1
##	6031	<pre>protein_coding</pre>	chr1	3638750	3638822	-	1
##	6032	<pre>protein_coding</pre>	chr1	3636995	3637098	-	1
##	6033	<pre>protein_coding</pre>	chr1	3636995	3637098	-	1
##	6034	protein_coding	${\tt chr1}$	3635944	3636030	-	1
##	6035	protein_coding	${\tt chr1}$	3635944	3636030	-	1
##	6036	protein_coding	${\tt chr1}$	3635160	3635294	-	1
##	6037	protein_coding	chr1	3635160	3635294	_	1
##	6038	protein_coding	chr1	3634997	3635074	-	1
##	6039	protein_coding	chr1	3634997	3635074	-	1
##	6040	protein_coding	chr1	3633398	3633503	-	1
##	6041	protein_coding	chr1	3633398	3633503	_	1
	6042	protein_coding		3632213		_	1
	6043	protein_coding		3632213		_	1
	6044	protein_coding		3631466		_	1
##	6045	protein_coding		3631466		_	1
	6046	protein_coding		3630770		_	1
		- 0					

##	6047	<pre>protein_coding</pre>		3630978		_	1
##	6048	<pre>protein_coding</pre>	chr1	3630975	3630977	-	1
##	6049	<pre>protein_coding</pre>	chr1	3650000	3650103	-	1
##	6050	protein_coding	chr1	3630770	3630977	-	1
##	6051	protein_coding	chr1	3652516	3736201	+	1
##	6052	protein_coding	chr1	3652516	3736201	+	1
##	6053	protein_coding	chr1	3652516	3652641	+	1
##	6054	protein_coding	chr1	3682333	3682430	+	1
##	6055	protein_coding	chr1	3682366	3682430	+	1
##	6056	protein_coding		3682366		+	1
##	6057	protein_coding		3683060		+	1
##	6058	protein_coding		3683060		+	1
	6059	protein_coding		3707549		+	1
	6060	protein_coding		3707549		+	1
	6061	protein_coding		3722021		+	1
	6062	protein_coding		3722021		+	1
	6063	protein_coding		3723354		+	1
	6064	protein_coding		3723354		+	1
	6065	protein_coding		3727115		+	1
	6066	protein_coding		3727115		+	1
	6067	protein_coding		3727628		+	1
	6068	protein_coding		3727628		+	1
	6069	-		3727020		+	1
	6070	protein_coding		3728129		+	1
	6071	protein_coding		3729327		+	1
	6072	protein_coding		3729327			
		protein_coding				+	1
	6073	protein_coding		3730000		+	1
	6074	protein_coding		3730000		+	1
	6075	protein_coding		3730927		+	1
	6076	protein_coding		3730927		+	1
	6077	protein_coding		3731463		+	1
	6078	protein_coding		3731463		+	1
	6079	protein_coding		3732747		+	1
	6080	protein_coding		3732747		+	1
	6081	protein_coding		3733077		+	1
	6082	protein_coding		3652516		+	1
##	6083	<pre>protein_coding</pre>		3682333		+	1
	6084	protein_coding		3733077		+	1
	6085	<pre>protein_coding</pre>		3652520		+	1
	6086	<pre>protein_coding</pre>		3652520		+	1
	6087	<pre>protein_coding</pre>		3682333		+	1
	6088	<pre>protein_coding</pre>		3682366		+	1
	6089	<pre>protein_coding</pre>		3682366		+	1
	6090	<pre>protein_coding</pre>	chr1	3683060	3683180	+	1
	6091	<pre>protein_coding</pre>		3683060		+	1
	6092	<pre>protein_coding</pre>		3707549		+	1
	6093	<pre>protein_coding</pre>		3707549		+	1
	6094	<pre>protein_coding</pre>		3722021		+	1
##	6095	<pre>protein_coding</pre>	chr1	3722021	3722207	+	1
##	6096	<pre>protein_coding</pre>	chr1	3723354	3723469	+	1
##	6097	protein_coding	chr1	3723354	3723469	+	1
##	6098	<pre>protein_coding</pre>	chr1	3727115	3727224	+	1
##	6099	protein_coding	chr1	3727115	3727224	+	1
##	6100	protein_coding	chr1	3727628	3727770	+	1

	6101	<pre>protein_coding</pre>		3727628		+	1
	6102	<pre>protein_coding</pre>		3728129		+	1
	6103	<pre>protein_coding</pre>		3728129		+	1
	6104	<pre>protein_coding</pre>		3729327		+	1
##	6105	<pre>protein_coding</pre>	chr1	3729327	3729448	+	1
##	6106	<pre>protein_coding</pre>	chr1	3732747	3736201	+	1
##	6107	protein_coding	chr1	3732747	3732759	+	1
##	6108	protein_coding	chr1	3732760	3732762	+	1
##	6109	protein_coding	chr1	3652520	3652641	+	1
##	6110	protein_coding	chr1	3682333	3682365	+	1
##	6111	protein_coding	chr1	3732760	3736201	+	1
##	6112	protein_coding	chr1	3652565	3733292	+	1
##	6113	protein_coding	chr1	3652565	3652641	+	1
##	6114	protein_coding	chr1	3682333	3682430	+	1
##	6115	protein_coding	chr1	3682366	3682430	+	1
##	6116	protein_coding	chr1	3682366	3682368	+	1
##	6117	protein_coding	chr1	3683060	3683180	+	1
##	6118	protein_coding	chr1	3683060	3683180	+	1
##	6119	protein_coding		3707549		+	1
##	6120	protein_coding		3707549		+	1
##	6121	protein_coding		3722021		+	1
##	6122	protein_coding		3722021		+	1
	6123	protein_coding		3723354		+	1
	6124	protein_coding		3723354		+	1
	6125	protein_coding		3727115		+	1
	6126	protein_coding		3727115		+	1
	6127	protein_coding		3727628		+	1
	6128			3727628		+	1
	6129	protein_coding		3728129		+	1
	6130	protein_coding		3728129		+	1
	6131	protein_coding		3729327			1
	6132	protein_coding		3729327		+	
	6133	protein_coding		3730000		+	1
	6134	protein_coding				+	1
	6135	protein_coding		3730000		+	1
		protein_coding		3730927		+	1
	6136	protein_coding		3730927		+	1
	6137	protein_coding		3732747		+	1
	6138	protein_coding		3732747		+	1
	6139	protein_coding		3732760		+	1
	6140	protein_coding		3652565		+	1
	6141	protein_coding		3682333		+	1
	6142	protein_coding		3732760		+	1
	6143	<pre>protein_coding</pre>		3652565		+	1
	6144	<pre>protein_coding</pre>		3652565		+	1
	6145	<pre>protein_coding</pre>		3682333		+	1
	6146	<pre>protein_coding</pre>		3682366		+	1
	6147	<pre>protein_coding</pre>		3682366		+	1
	6148	<pre>protein_coding</pre>		3683060		+	1
	6149	<pre>protein_coding</pre>		3683060		+	1
##	6150	<pre>protein_coding</pre>	chr1	3707549	3707791	+	1
##	6151	<pre>protein_coding</pre>	chr1	3707549	3707791	+	1
##	6152	<pre>protein_coding</pre>	chr1	3722021	3722207	+	1
##	6153	<pre>protein_coding</pre>	chr1	3722021	3722207	+	1
##	6154	<pre>protein_coding</pre>	chr1	3723354	3723469	+	1

##	6155	<pre>protein_coding</pre>		3723354		+	1
##	6156	<pre>protein_coding</pre>		3727115		+	1
##	6157	<pre>protein_coding</pre>	chr1	3727115	3727224	+	1
##	6158	<pre>protein_coding</pre>	chr1	3727628	3727770	+	1
##	6159	protein_coding	chr1	3727628	3727770	+	1
##	6160	protein_coding	chr1	3728129	3728217	+	1
##	6161	protein_coding	chr1	3728129	3728217	+	1
##	6162	protein_coding	chr1	3729327	3729448	+	1
##	6163	protein_coding	chr1	3729327	3729448	+	1
##	6164	protein_coding	chr1	3730927	3731065	+	1
##	6165	protein_coding	chr1	3730927	3731065	+	1
##	6166	protein_coding		3732747		+	1
##	6167	protein_coding		3732747		+	1
##	6168	protein_coding		3733077		+	1
##	6169	protein_coding		3652565		+	1
	6170	protein_coding		3682333		+	1
	6171	protein_coding		3733077		+	1
	6172	protein_coding		3652565		+	1
	6173	protein_coding		3652565		+	1
	6174	protein_coding		3682333		+	1
	6175	protein_coding		3682366		+	1
	6176	protein_coding		3682366		+	1
	6177	-		3683060		+	1
	6178	protein_coding		3683060		+	1
	6179	protein_coding		3707549		+	1
		protein_coding					
	6180	protein_coding		3707549		+	1
	6181	protein_coding		3722021		+	1
	6182	protein_coding		3722021		+	1
	6183	protein_coding		3723354		+	1
	6184	protein_coding		3723354		+	1
	6185	protein_coding		3727115		+	1
	6186	protein_coding		3727115		+	1
	6187	<pre>protein_coding</pre>		3727628		+	1
	6188	<pre>protein_coding</pre>		3727628		+	1
	6189	<pre>protein_coding</pre>		3728129		+	1
##	6190	<pre>protein_coding</pre>		3728129		+	1
##	6191	<pre>protein_coding</pre>	chr1	3729327	3729448	+	1
##	6192	<pre>protein_coding</pre>	chr1	3729327	3729448	+	1
##	6193	<pre>protein_coding</pre>	chr1	3731463	3731556	+	1
##	6194	<pre>protein_coding</pre>	chr1	3731463	3731556	+	1
##	6195	protein_coding	chr1	3732747	3736200	+	1
##	6196	protein_coding	${\tt chr1}$	3732747	3733076	+	1
##	6197	protein_coding	chr1	3733077	3733079	+	1
##	6198	protein_coding	chr1	3652565	3652641	+	1
##	6199	protein_coding	chr1	3682333	3682365	+	1
##	6200	protein_coding	chr1	3733077	3736200	+	1
##	6201	protein_coding	chr1	3682366	3733079	+	1
##	6202	protein_coding		3682366		+	1
	6203	protein_coding		3682366		+	1
	6204	protein_coding		3682366		+	1
	6205	protein_coding		3683060		+	1
	6206	protein_coding		3683060		+	1
	6207	protein_coding		3707549		+	1
	6208	protein_coding		3707549		+	1
		_ = = =================================			- · · · <del>-</del>		•

##	6209	protein_coding	chr1	3722021	3722207	+	1
##	6210	protein_coding	chr1	3722021	3722207	+	1
##	6211	protein_coding	chr1	3723354	3723469	+	1
##	6212	protein_coding	chr1	3723354	3723469	+	1
##	6213	protein_coding		3727115		+	1
	6214	protein_coding		3727115		+	1
	6215	protein_coding		3727628		+	1
	6216	protein_coding		3727628		+	1
	6217	-		3728129		+	1
	6218	protein_coding		3728129		+	1
	6219	protein_coding		3729327			
		protein_coding				+	1
	6220	protein_coding		3729327		+	1
	6221	protein_coding		3730927		+	1
	6222	protein_coding		3730927		+	1
	6223	protein_coding		3732747		+	1
	6224	protein_coding		3732747		+	1
	6225	<pre>protein_coding</pre>		3733077		+	1
	6226	<pre>protein_coding</pre>		3733077		+	1
	6227	<pre>protein_coding</pre>		3682366		+	1
	6228	<pre>protein_coding</pre>		3682366		+	1
	6229	<pre>protein_coding</pre>		3682366		+	1
##	6230	<pre>protein_coding</pre>	chr1	3682366	3682368	+	1
##	6231	<pre>protein_coding</pre>	chr1	3683060	3683180	+	1
##	6232	<pre>protein_coding</pre>	chr1	3683060	3683180	+	1
##	6233	protein_coding	${\tt chr1}$	3707549	3707791	+	1
##	6234	protein_coding	chr1	3707549	3707791	+	1
##	6235	protein_coding	chr1	3722021	3722207	+	1
##	6236	protein_coding	chr1	3722021	3722207	+	1
##	6237	protein_coding	chr1	3723354	3723469	+	1
##	6238	protein_coding	chr1	3723354	3723469	+	1
##	6239	protein_coding	chr1	3727115	3727224	+	1
##	6240	protein_coding	chr1	3727115	3727224	+	1
##	6241	protein_coding	chr1	3727628	3727770	+	1
##	6242	protein_coding	chr1	3727628	3727770	+	1
##	6243	protein_coding	chr1	3728129	3728217	+	1
##	6244	protein_coding		3728129		+	1
	6245	protein_coding		3729327		+	1
	6246	protein_coding		3729327		+	1
	6247	protein_coding		3731463		+	1
	6248	protein_coding		3731463		+	1
	6249	protein_coding		3732747		+	1
	6250	protein_coding		3732747		+	1
	6251	protein_coding		3733077		+	1
	6252	protein_coding		3733077		+	1
	6253	protein_coding		3690672		+	1
	6254	protein_coding		3690672		+	1
	6255	_		3690906		+	1
	6256	protein_coding		3690906		+	1
	6257	protein_coding		3707549		+	1
		protein_coding					
	6258	protein_coding		3707549		+	1
	6259	protein_coding		3722021		+	1
	6260	protein_coding		3722021		+	1
	6261	protein_coding		3723354		+	1
##	6262	<pre>protein_coding</pre>	cnr1	3723354	3/23469	+	1

	6263	<pre>protein_coding</pre>		3727115		+	1
##	6264	<pre>protein_coding</pre>	chr1	3727115	3727224	+	1
##	6265	<pre>protein_coding</pre>	chr1	3727628	3727770	+	1
##	6266	<pre>protein_coding</pre>	chr1	3727628	3727770	+	1
##	6267	protein_coding	chr1	3728129	3728217	+	1
##	6268	protein_coding	chr1	3728129	3728217	+	1
##	6269	protein_coding	chr1	3729327	3729448	+	1
##	6270	protein_coding	chr1	3729327	3729448	+	1
##	6271	protein_coding	chr1	3730000	3730148	+	1
##	6272	protein_coding	chr1	3730000	3730148	+	1
##	6273	protein_coding	chr1	3730927	3731065	+	1
##	6274	protein_coding		3730927		+	1
##	6275	protein_coding	chr1	3732747	3733292	+	1
##	6276	protein_coding		3732747		+	1
##	6277	protein_coding		3732760		+	1
	6278	protein_coding		3690672		+	1
	6279	protein_coding		3732760		+	1
	6280	protein_coding		3690672		+	1
	6281	protein_coding		3690672		+	1
	6282	protein_coding		3690906		+	1
	6283	protein_coding		3690906		+	1
	6284	protein_coding		3707549		+	1
	6285	protein_coding		3707549		+	1
	6286	protein_coding		3722021		+	1
	6287			3722021		+	1
	6288	protein_coding		3723354		+	1
	6289	protein_coding		3723354		+	1
	6290	protein_coding		3727115			1
	6291	protein_coding				+	
		protein_coding		3727115		+	1
	6292	protein_coding		3727628		+	1
	6293	protein_coding		3727628		+	1
	6294	protein_coding		3728129		+	1
	6295	protein_coding		3728129		+	1
	6296	protein_coding		3729327		+	1
	6297	protein_coding		3729327		+	1
	6298	protein_coding		3730927		+	1
	6299	<pre>protein_coding</pre>		3730927		+	1
	6300	<pre>protein_coding</pre>		3731463		+	1
	6301	<pre>protein_coding</pre>		3731463		+	1
	6302	<pre>protein_coding</pre>		3731553		+	1
	6303	<pre>protein_coding</pre>		3732747		+	1
	6304	<pre>protein_coding</pre>		3690672		+	1
	6305	<pre>protein_coding</pre>		3731553		+	1
	6306	<pre>protein_coding</pre>		3732747		+	1
##	6307	<pre>protein_coding</pre>	chr1	3690672	3736201	+	1
##	6308	<pre>protein_coding</pre>	chr1	3690672	3690944	+	1
##	6309	<pre>protein_coding</pre>		3690906		+	1
##	6310	<pre>protein_coding</pre>	chr1	3690906	3690908	+	1
##	6311	<pre>protein_coding</pre>	chr1	3707549	3707791	+	1
##	6312	<pre>protein_coding</pre>	chr1	3707549	3707791	+	1
##	6313	protein_coding	chr1	3722021	3722207	+	1
##	6314	protein_coding	chr1	3722021	3722207	+	1
##	6315	protein_coding	chr1	3723354	3723469	+	1
##	6316	protein_coding	chr1	3723354	3723469	+	1

	6047		1 4	0707445	0707004		
	6317	protein_coding		3727115		+	1
	6318	<pre>protein_coding</pre>		3727115		+	1
##	6319	<pre>protein_coding</pre>		3727628		+	1
##	6320	protein_coding	chr1	3727628	3727770	+	1
##	6321	protein_coding	chr1	3728129	3728217	+	1
##	6322	protein_coding	chr1	3728129	3728217	+	1
##	6323	protein_coding	chr1	3729327	3729448	+	1
	6324	protein_coding		3729327		+	1
	6325	protein_coding		3730000		+	1
	6326	protein_coding		3730000		+	1
	6327			3730000		+	1
	6328	protein_coding		3730927			
		protein_coding				+	1
	6329	protein_coding		3731463		+	1
	6330	protein_coding		3731463		+	1
	6331	<pre>protein_coding</pre>		3732747		+	1
##	6332	<pre>protein_coding</pre>		3732747		+	1
##	6333	<pre>protein_coding</pre>	chr1	3733077	3733079	+	1
##	6334	protein_coding	${\tt chr1}$	3690672	3690905	+	1
##	6335	protein_coding	${\tt chr1}$	3733077	3736201	+	1
##	6336	protein_coding	chr1	3698058	3733091	+	1
##	6337	protein_coding	chr1	3698058	3698151	+	1
##	6338	protein_coding	chr1	3707549	3707791	+	1
	6339	protein_coding		3707576		+	1
	6340	protein_coding		3707576		+	1
	6341	protein_coding		3722021		+	1
	6342	-		3722021		+	1
	6343	protein_coding					
		protein_coding		3723354		+	1
	6344	protein_coding		3723354		+	1
	6345	protein_coding		3727115		+	1
	6346	<pre>protein_coding</pre>		3727115		+	1
##	6347	<pre>protein_coding</pre>	chr1	3727628	3727770	+	1
##	6348	<pre>protein_coding</pre>	chr1	3727628	3727770	+	1
##	6349	<pre>protein_coding</pre>	chr1	3728129	3728217	+	1
##	6350	protein_coding	chr1	3728129	3728217	+	1
##	6351	protein_coding	chr1	3729327	3729448	+	1
##	6352	protein_coding	chr1	3729327	3729448	+	1
##	6353	protein_coding	chr1	3730000	3730148	+	1
	6354	protein_coding		3730000		+	1
	6355	protein_coding		3730927		+	1
	6356	protein_coding		3730927		+	1
	6357	protein_coding		3731463		+	1
		_		3731463			
	6358	protein_coding				+	1
	6359	protein_coding		3732747		+	1
	6360	protein_coding		3732747		+	1
	6361	protein_coding		3733077		+	1
	6362	<pre>protein_coding</pre>		3698058		+	1
	6363	<pre>protein_coding</pre>		3707549		+	1
##	6364	<pre>protein_coding</pre>	chr1	3733077	3733091	+	1
##	6365	${\tt lncRNA}$	chr1	3658938	3668772	-	0
##	6366	lncRNA	chr1	3658938	3668772	-	0
##	6367	${\tt lncRNA}$	chr1	3668625	3668772	_	0
##	6368	${\tt lncRNA}$		3662153		_	0
	6369	lncRNA		3658938		_	0
	6370	lncRNA		3712200		_	0
		_110101V11	J 1	3.12200	0.11200		9

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## 6371
                                      lncRNA
                                                  chr1 3712200 3714298
                                                                                     0
## 6372
                                                  chr1 3714187 3714298
                                      lncRNA
                                                                                     0
                                                  chr1 3712200 3712438
## 6373
                                      lncRNA
                                                                                     0
## 6374
                                                  chr1 3735511 3747373
            transcribed_unitary_pseudogene
                                                                                     1
## 6375
            transcribed_unitary_pseudogene
                                                  chr1 3735511 3745905
                                                                                     1
## 6376
                                                  chr1 3745607 3745905
            transcribed_unitary_pseudogene
                                                                                     1
## 6377
                                                  chr1 3743061 3743190
            transcribed_unitary_pseudogene
                                                                                     1
                                                  chr1 3742804 3742911
## 6378
            transcribed_unitary_pseudogene
                                                                                     1
            transcribed_unitary_pseudogene
## 6379
                                                  chr1 3740233 3740387
                                                                                     1
## 6380
            transcribed_unitary_pseudogene
                                                  chr1 3738223 3738513
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## 6381
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            transcribed_unitary_pseudogene
## 6382
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                                                                                     1
## 6383
                                                  chr1 3737149 3747373
            transcribed_unitary_pseudogene
                                                                                     1
## 6384
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                                                  chr1 3745607 3747373
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## 6385
                                                  chr1 3743061 3743190
            transcribed_unitary_pseudogene
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## 6386
            transcribed_unitary_pseudogene
                                                  chr1 3742804 3742911
                                                                                     1
## 6387
                                                  chr1 3740233 3740387
            transcribed_unitary_pseudogene
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## 6388
                                                  chr1 3737149 3738513
            transcribed_unitary_pseudogene
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## 6389
                                                  chr1 3738434 3746742
            transcribed_unitary_pseudogene
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## 6390
            transcribed_unitary_pseudogene
                                                  chr1 3746528 3746742
                                                                                     1
## 6391
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                                                  chr1 3745607 3746186
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## 6392
                                                  chr1 3743301 3743371
            transcribed_unitary_pseudogene
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## 6393
            transcribed_unitary_pseudogene
                                                  chr1 3743061 3743190
                                                                                     1
## 6394
                                                  chr1 3742804 3742911
            transcribed_unitary_pseudogene
                                                                                     1
## 6395
            transcribed_unitary_pseudogene
                                                  chr1 3740275 3740387
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            transcribed_unitary_pseudogene
## 6396
                                                  chr1 3739059 3739216
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## 6397
                                                  chr1 3738434 3738513
            transcribed_unitary_pseudogene
                                                                                     1
                                                  chr1 3736943 3737103
##
  6398
                                    misc_RNA
                                                                                     0
## 6399
                                    misc_RNA
                                                  chr1 3736943 3737103
                                                                                     0
## 6400
                                    misc_RNA
                                                  chr1 3736943 3737103
                                                                                     0
## 6401
                             protein_coding
                                                  chr1 3746460 3771645
                                                                                     1
## 6402
                                                  chr1 3752450 3771645
                                                                             +
                                                                                     1
                             protein_coding
## 6403
                                                  chr1 3752450 3752799
                             protein_coding
## 6404
                                                  chr1 3752482 3752799
                                                                             +
                                                                                     1
                             protein_coding
## 6405
                                                  chr1 3752482 3752484
                             protein_coding
                                                                                     1
  6406
                                                  chr1 3754118 3754241
##
                                                                             +
                                                                                     1
                             protein_coding
## 6407
                             protein_coding
                                                  chr1 3754118 3754241
                                                                                     1
## 6408
                                                  chr1 3755457 3755567
                                                                             +
                                                                                     1
                             protein_coding
## 6409
                                                  chr1 3755457 3755567
                             protein_coding
                                                                                     1
                                                  chr1 3756733 3756890
## 6410
                                                                             +
                                                                                     1
                             protein_coding
## 6411
                                                  chr1 3756733 3756890
                             protein_coding
                                                                                     1
## 6412
                                                  chr1 3761281 3761430
                             protein_coding
                                                                             +
                                                                                     1
## 6413
                             protein_coding
                                                  chr1 3761281 3761430
                                                                                     1
## 6414
                                                  chr1 3762620 3762712
                             protein_coding
                                                                                     1
## 6415
                                                  chr1 3762620 3762712
                                                                                     1
                             protein_coding
## 6416
                                                  chr1 3763108 3763474
                             protein_coding
                                                                                     1
## 6417
                                                  chr1 3763108 3763474
                                                                             +
                                                                                     1
                             protein_coding
                                                  chr1 3763706 3763836
## 6418
                             protein_coding
                                                                             +
                                                                                     1
## 6419
                                                  chr1 3763706 3763836
                                                                             +
                                                                                     1
                             protein_coding
## 6420
                                                  chr1 3766535 3766612
                                                                                     1
                             protein_coding
##
  6421
                                                  chr1 3766535 3766612
                                                                             +
                                                                                     1
                             protein_coding
## 6422
                             protein_coding
                                                  chr1 3767233 3767445
                                                                                     1
## 6423
                                                  chr1 3767233 3767445
                             protein_coding
                                                                             +
                                                                                     1
## 6424
                                                  chr1 3769783 3769887
                                                                                     1
                             protein_coding
```

	6425	<pre>protein_coding</pre>		3769783		+	1
##	6426	protein_coding	chr1	3771401	3771645	+	1
##	6427	protein_coding	chr1	3771401	3771520	+	1
##	6428	protein_coding	chr1	3771521	3771523	+	1
##	6429	protein_coding	chr1	3752450	3752481	+	1
##	6430	protein_coding	chr1	3771521	3771645	+	1
##	6431	protein_coding		3772761		+	1
	6432	protein_coding		3772771		+	1
	6433	protein_coding		3772771		+	1
	6434	protein_coding protein_coding		3773063		+	1
	6435						
		protein_coding		3775299		+	1
	6436	protein_coding		3775374		+	1
	6437	protein_coding		3775374		+	1
	6438	<pre>protein_coding</pre>		3775485		+	1
##	6439	<pre>protein_coding</pre>		3772771		+	1
##	6440	<pre>protein_coding</pre>		3773063		+	1
##	6441	<pre>protein_coding</pre>	chr1	3775299	3775373	+	1
##	6442	protein_coding	${\tt chr1}$	3775485	3775670	+	1
##	6443	protein_coding	${\tt chr1}$	3772787	3775982	+	1
##	6444	protein_coding	chr1	3772787	3772841	+	1
##	6445	protein_coding	chr1	3773063	3773181	+	1
##	6446	protein_coding	chr1	3775299	3775483	+	1
##	6447	protein_coding		3775374		+	1
	6448	protein_coding		3775374		+	1
	6449	protein_coding		3775795		+	1
	6450	protein_coding		3775795		+	1
	6451	-		3775919		+	1
		protein_coding					
	6452	protein_coding		3772787		+	1
	6453	protein_coding		3773063		+	1
	6454	<pre>protein_coding</pre>		3775299		+	1
	6455	<pre>protein_coding</pre>		3775919		+	1
	6456	<pre>protein_coding</pre>		3778559		-	1
##	6457	<pre>protein_coding</pre>	chr1	3778559	3796498	-	1
##	6458	<pre>protein_coding</pre>	chr1	3795862	3796498	-	1
##	6459	protein_coding	chr1	3795862	3796476	-	1
##	6460	protein_coding	${\tt chr1}$	3796474	3796476	_	1
##	6461	protein_coding	chr1	3786849	3787310	-	1
##	6462	protein_coding	chr1	3786849	3787310	_	1
##	6463	protein_coding	chr1	3785087	3785203	_	1
##	6464	protein_coding		3785087		_	1
	6465	protein_coding		3783996		_	1
	6466	protein_coding		3783996		_	1
	6467	protein_coding		3782661		_	1
	6468	protein_coding		3782661		_	1
		_					
	6469	protein_coding		3781512		_	1
	6470	protein_coding		3781512		_	1
	6471	protein_coding		3778559		_	1
	6472	protein_coding		3781091		-	1
	6473	<pre>protein_coding</pre>		3781088		-	1
	6474	<pre>protein_coding</pre>		3796477		_	1
##	6475	<pre>protein_coding</pre>	chr1	3778559	3781090	_	1
##	6476	${\tt misc\_RNA}$	${\tt chr1}$	3782815	3783111	+	1
##	6477	${\tt misc\_RNA}$	chr1	3782815	3783111	+	1
##	6478	${\tt misc\_RNA}$	chr1	3782815	3783111	+	1

	6479	lncRNA		3785008		+	0
	6480	lncRNA		3785008		+	0
##	6481	lncRNA		3785008		+	0
##	6482	<pre>protein_coding</pre>		3812086		-	1
##	6483	<pre>protein_coding</pre>	chr1	3812086	3857211	-	1
##	6484	<pre>protein_coding</pre>	chr1	3856889	3857211	-	1
##	6485	<pre>protein_coding</pre>	chr1	3852295	3852421	-	1
##	6486	protein_coding	${\tt chr1}$	3852295	3852407	_	1
##	6487	protein_coding	chr1	3852405	3852407	_	1
##	6488	<pre>protein_coding</pre>	chr1	3848608	3848781	-	1
##	6489	protein_coding	chr1	3848608	3848781	_	1
##	6490	protein_coding	chr1	3847475	3847613	_	1
##	6491	protein_coding	chr1	3847475	3847613	-	1
##	6492	protein_coding	chr1	3845289	3845351	-	1
##	6493	protein_coding	chr1	3845289	3845351	-	1
##	6494	protein_coding	chr1	3844907	3844983	_	1
##	6495	protein_coding	chr1	3844907	3844983	_	1
##	6496	protein_coding	chr1	3839608	3839776	_	1
##	6497	protein_coding	chr1	3839608	3839776	_	1
##	6498	protein_coding	chr1	3838964	3839119	-	1
##	6499	protein_coding	chr1	3838964	3839119	_	1
##	6500	protein_coding		3837292		_	1
##	6501	protein_coding		3837292		_	1
	6502	protein_coding		3836495		_	1
	6503	protein_coding		3836495		_	1
	6504	protein_coding		3834925		_	1
	6505	protein_coding		3834925		_	1
	6506	protein_coding		3833862		_	1
	6507	protein_coding		3833862		_	1
	6508	protein_coding		3831046		_	1
	6509	protein_coding		3831046		_	1
	6510	protein_coding		3829791		_	1
	6511	protein_coding		3829791		_	1
	6512	protein_coding		3829266		_	1
	6513	protein_coding protein_coding		3829266		_	1
	6514	protein_coding protein_coding		3826708		_	1
	6515	protein_coding protein_coding		3826708		_	1
	6516			3826370		_	
	6517	protein_coding		3826370		_	1 1
	6518	protein_coding		3825758			1
	6519	protein_coding		3825758		_	1
		protein_coding				_	
	6520	protein_coding		3823424		_	1
	6521	protein_coding		3823424		_	1
	6522	protein_coding		3823174		_	1
	6523	protein_coding		3823174		_	1
	6524	protein_coding		3816280		_	1
	6525	protein_coding		3816280		_	1
	6526	protein_coding		3812086		-	1
	6527	protein_coding		3815405		-	1
	6528	protein_coding		3815402		-	1
	6529	protein_coding		3856889		-	1
	6530	protein_coding		3852408		-	1
	6531	protein_coding		3812086		-	1
##	6532	<pre>protein_coding</pre>	chr1	3843109	3857214	-	1

	6533	protein_coding		3856889		-	1
##	6534	<pre>protein_coding</pre>	chr1	3852295	3852421	-	1
##	6535	<pre>protein_coding</pre>	chr1	3852295	3852407	-	1
##	6536	<pre>protein_coding</pre>	chr1	3852405	3852407	-	1
##	6537	protein_coding	chr1	3848608	3848781	-	1
##	6538	protein_coding	chr1	3848608	3848781	_	1
##	6539	protein_coding	chr1	3847475	3847613	-	1
##	6540	protein_coding	chr1	3847475	3847613	_	1
##	6541	protein_coding	chr1	3845289	3845351	_	1
##	6542	protein_coding	chr1	3845289	3845351	_	1
##	6543	protein_coding	chr1	3844907	3844983	_	1
##	6544	protein_coding		3844907		_	1
##	6545	protein_coding	chr1	3843109	3843323	_	1
##	6546	protein_coding		3843158		_	1
##	6547	protein_coding		3843155		_	1
##	6548	protein_coding		3856889		_	1
##	6549	protein_coding		3852408		_	1
	6550	protein_coding		3843109		_	1
	6551	protein_coding		3857267		+	1
	6552	protein_coding		3857267		+	1
	6553	protein_coding		3857267		+	1
	6554	protein_coding		3857604		+	1
	6555	protein_coding		3857604		+	1
	6556	protein_coding		3858718		+	1
	6557	protein_coding		3858718		+	1
	6558	protein_coding		3860420		+	1
	6559	protein_coding		3860420		+	1
	6560			3860488		+	1
	6561	protein_coding		3857267		+	1
	6562	protein_coding		3860488		+	1
	6563	protein_coding		3857267			1
	6564	protein_coding				+	
	6565	protein_coding		3857267		+	1
		protein_coding		3857604		+	1
	6566	protein_coding		3857604		+	1
	6567	protein_coding		3858718		+	1
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	6569	protein_coding		3865762		+	1
	6570	protein_coding		3865762		+	1
	6571	protein_coding		3867974		+	1
	6572	protein_coding		3867974		+	1
	6573	protein_coding		3869605		+	1
	6574	protein_coding		3869605		+	1
	6575	protein_coding		3872472		+	1
	6576	<pre>protein_coding</pre>		3872472		+	1
	6577	<pre>protein_coding</pre>		3883507		+	1
	6578	<pre>protein_coding</pre>		3883507		+	1
	6579	<pre>protein_coding</pre>		3883739		+	1
	6580	<pre>protein_coding</pre>		3857267		+	1
	6581	<pre>protein_coding</pre>		3883739		+	1
	6582	<pre>protein_coding</pre>		3857281		+	1
	6583	<pre>protein_coding</pre>		3857281		+	1
	6584	<pre>protein_coding</pre>		3857604		+	1
	6585	<pre>protein_coding</pre>		3857604		+	1
##	6586	<pre>protein_coding</pre>	chr1	3858718	3858844	+	1

	6587	protein_coding		3858718		+	1
##	6588	<pre>protein_coding</pre>	chr1	3865812	3866000	+	1
##	6589	<pre>protein_coding</pre>	chr1	3865812	3866000	+	1
##	6590	<pre>protein_coding</pre>	chr1	3867974	3868053	+	1
##	6591	protein_coding	chr1	3867974	3868053	+	1
##	6592	protein_coding	chr1	3869605	3869775	+	1
##	6593	protein_coding	chr1	3869605	3869775	+	1
##	6594	protein_coding	chr1	3872472	3872572	+	1
##	6595	protein_coding		3872472		+	1
##	6596	protein_coding		3883507		+	1
	6597	protein_coding		3883507		+	1
	6598	protein_coding		3883739		+	1
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	6600	protein_coding		3883739		+	1
	6601	protein_coding		3857604		+	1
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	6604	protein_coding		3857604		+	1
	6605	protein_coding		3858718		+	1
		protein_coding		3858718			
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	6607	protein_coding		3872484		+	1
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	6609	protein_coding		3872484		+	1
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	6612	protein_coding		3872484		+	1
	6613	<pre>protein_coding</pre>		3883507		+	1
	6614	<pre>protein_coding</pre>		3889125		_	1
	6615	<pre>protein_coding</pre>		3889133		_	1
	6616	<pre>protein_coding</pre>		3900172		_	1
##	6617	<pre>protein_coding</pre>	chr1	3900172	3900186	_	1
##	6618	<pre>protein_coding</pre>	chr1	3900184	3900186	-	1
##	6619	<pre>protein_coding</pre>	chr1	3892883	3892996	-	1
##	6620	protein_coding	chr1	3892883	3892996	-	1
##	6621	protein_coding	${\tt chr1}$	3890569	3891057	-	1
##	6622	protein_coding	${\tt chr1}$	3890569	3891057	-	1
##	6623	protein_coding	chr1	3889133	3890073	-	1
##	6624	protein_coding	chr1	3889963	3890073	-	1
##	6625	protein_coding	chr1	3889960	3889962	_	1
##	6626	protein_coding	chr1	3900187	3900272	_	1
##	6627	protein_coding	chr1	3889133	3889962	_	1
##	6628	lncRNA	chr1	3900352	3917225	+	1
	6629	${\tt lncRNA}$		3900404		+	1
	6630	lncRNA		3900404		+	1
	6631	lncRNA		3914395		+	1
	6632	lncRNA		3900416		+	1
	6633	lncRNA		3900416		+	1
	6634	lncRNA		3903965		+	1
	6635	lncRNA		3913692		+	1
	6636	lncRNA		3914395		+	1
	6637	lncRNA		3940486		+	1
	6638	lncRNA		3940400		+	1
	6639	lncRNA		3940617		+	1
	6640			3940917		+	1
##	0040	lncRNA	CIII	3340334	0341140	7	Т

##	6641	lncRNA	chr1	3952253	3955262	+	1
##	6642	lncRNA	chr1	3947756	3949866	+	1
##	6643	lncRNA	chr1	3947756	3948321	+	1
##	6644	lncRNA	chr1	3949027	3949866	+	1
##	6645	lncRNA	chr1	3944547	3949024	-	1
##	6646	lncRNA	chr1	3944547	3948900	_	1
##	6647	lncRNA	chr1	3948863	3948900	_	1
##	6648	lncRNA	chr1	3947957	3948595	_	1
##	6649	lncRNA	chr1	3947275	3947328	_	1
##	6650	lncRNA	chr1	3946320	3946463	-	1
##	6651	lncRNA	chr1	3945494	3945669	-	1
##	6652	lncRNA	chr1	3944547	3945141	-	1
##	6653	lncRNA	chr1	3976133	4012704	+	0
##	6654	lncRNA	chr1	3976133	4012704	+	0
##	6655	lncRNA	chr1	3976133	3976195	+	0
##	6656	lncRNA	chr1	3976882	3977102	+	0
##	6657	lncRNA	chr1	4012231	4012704	+	0
##	6658	lncRNA	chr1	3976140	3998058	+	0
##	6659	lncRNA	chr1	3976140	3976195	+	0
##	6660	lncRNA	chr1	3976882	3977157	+	0
##	6661	lncRNA	chr1	3995642	3995691	+	0
##	6662	lncRNA	chr1	3995785	3995830	+	0
##	6663	lncRNA	chr1	3996824	3996932	+	0
##	6664	lncRNA	chr1	3998056	3998058	+	0
##	6665	lncRNA	chr1	3976140	3998855	+	0
##	6666	lncRNA	chr1	3976140	3976195	+	0
##	6667	lncRNA	chr1	3976882	3977157	+	0
##	6668	lncRNA	chr1	3996807	3996932	+	0
##	6669	lncRNA	chr1	3998056	3998855	+	0
##	6670	lncRNA	chr1	4012921	4019508	-	0
##	6671	lncRNA	chr1	4012921	4019508	-	0
##	6672	lncRNA	chr1	4018478	4019508	_	0
	6673	lncRNA		4012921		-	0
	6674	<pre>processed_pseudogene</pre>		4175528		-	1
	6675	<pre>processed_pseudogene</pre>		4175528		_	1
	6676	<pre>processed_pseudogene</pre>		4175528		_	1
	6677	lncRNA		4412027		+	1
	6678	lncRNA		4412051		+	1
	6679	lncRNA		4412051		+	1
	6680	lncRNA		4415553		+	1
	6681	lncRNA		4416312		+	1
	6682	lncRNA		4422760		+	1
	6683	lncRNA		4423348		+	1
	6684	lncRNA		4423994		+	1
	6685	lncRNA		4479131		_	0
	6686	lncRNA		4479131		_	0
	6687	lncRNA		4484194		-	0
	6688	lncRNA		4479131		-	0
	6689	lncRNA		4551735		-	0
	6690	lncRNA		4551735		-	0
	6691	lncRNA		4552105		-	0
	6692	lncRNA		4551735		-	0
	6693	lncRNA		4571481		+	1
##	6694	lncRNA	cnrl	4571489	4594009	+	1

##	6695	lncRNA	chr1	4571489	4571629	+	1
##	6696	${\tt lncRNA}$	chr1	4572470	4572592	+	1
##	6697	lncRNA	chr1	4593052	4593190	+	1
##	6698	${\tt lncRNA}$	chr1	4593700	4594009	+	1
##	6699	lncRNA	chr1	4571504	4594009	+	1
##	6700	${\tt lncRNA}$	chr1	4571504	4571629	+	1
##	6701	lncRNA	chr1	4575322	4575450	+	1
##	6702	lncRNA	chr1	4593052	4594009	+	1
##	6703	${\tt lncRNA}$	chr1	4571516	4585094	+	1
##	6704	lncRNA	chr1	4571516	4571629	+	1
##	6705	lncRNA	chr1	4572470	4572592	+	1
##	6706	lncRNA	chr1	4583083	4583178	+	1
##	6707	lncRNA	chr1	4583897	4585094	+	1
##	6708	lncRNA	chr1	4571548	4583421	+	1
##	6709	lncRNA	chr1	4571548	4571629	+	1
##	6710	lncRNA	chr1	4572470	4572592	+	1
##	6711	lncRNA	chr1	4582277	4582574	+	1
##	6712	lncRNA	chr1	4583083	4583178	+	1
##	6713	${\tt lncRNA}$	chr1	4583339	4583421	+	1
##	6714	<pre>protein_coding</pre>	chr1	4654732	4792534	+	1
##	6715	<pre>protein_coding</pre>	chr1	4654732	4777794	+	1
##	6716	<pre>protein_coding</pre>	chr1	4654732	4655454	+	1
##	6717	<pre>protein_coding</pre>	chr1	4655426	4655454	+	1
##	6718	<pre>protein_coding</pre>	chr1	4655426	4655428	+	1
##	6719	<pre>protein_coding</pre>		4711900		+	1
##	6720	<pre>protein_coding</pre>		4711900		+	1
	6721	<pre>protein_coding</pre>		4769853		+	1
	6722	<pre>protein_coding</pre>		4769853		+	1
	6723	<pre>protein_coding</pre>		4772280		+	1
	6724	protein_coding		4772280		+	1
	6725	protein_coding		4774427		+	1
	6726	protein_coding		4774427		+	1
	6727	protein_coding		4774497		+	1
	6728	protein_coding		4777401		+	1
	6729	protein_coding		4654732		+	1
	6730	protein_coding		4774497		+	1
	6731	protein_coding		4777401		+	1
	6732	protein_coding		4655045		+	1
	6733	protein_coding		4655045		+	1
	6734 6735	protein_coding		4655426 4655426		+	1
	6736	protein_coding		4711900		+	1 1
	6737	protein_coding		4711900		+	1
	6738	protein_coding protein_coding		4769853		+	1
	6739			4769853		+	1
	6740	protein_coding		4772280		+	1
	6741	protein_coding protein_coding		4772280		+	1
	6742	protein_coding protein_coding		4774427		+	1
	6743	protein_coding protein_coding		4774427		+	1
	6744	protein_coding protein_coding		4774497		+	1
	6745	protein_coding		4782545		+	1
	6746	protein_coding		4655045		+	1
	6747	protein_coding		4774497		+	1
	6748	protein_coding		4782545		+	1
					<del>-</del>		

##	6749	lncRNA	chr1	4730211	4734992	-	0
##	6750	lncRNA	chr1	4730211	4733745	_	0
##	6751	lncRNA	chr1	4733536	4733745	_	0
##	6752	lncRNA	chr1	4730211	4733030	_	0
##	6753	lncRNA	chr1	4963954	4973298	_	0
##	6754	lncRNA	chr1	4963954	4973298	-	0
##	6755	lncRNA	chr1	4973107	4973298	-	0
##	6756	lncRNA	chr1	4964418	4964553	_	0
##	6757	lncRNA	chr1	4963954	4964089	_	0
##	6758	${\tt lncRNA}$	chr1	4973381	4981568	+	0
##	6759	${\tt lncRNA}$	chr1	4973381	4981568	+	0
##	6760	${\tt lncRNA}$	chr1	4973381	4973547	+	0
##	6761	${\tt lncRNA}$	chr1	4974295	4974381	+	0
##	6762	${\tt lncRNA}$	chr1	4974838	4974945	+	0
##	6763	${\tt lncRNA}$	chr1	4976962	4977091	+	0
##	6764	${\tt lncRNA}$	chr1	4980481	4981568	+	0
##	6765	lncRNA	chr1	5086459	5090899	-	0
##	6766	lncRNA		5086459		-	0
##	6767	lncRNA	chr1	5090733	5090899	_	0
##	6768	${\tt lncRNA}$	chr1	5090580	5090627	-	0
##	6769	lncRNA		5088251		-	0
##	6770	lncRNA		5086459		-	0
	6771	lncRNA		5301928		-	0
	6772	lncRNA		5301928		-	0
	6773	lncRNA		5306942		-	0
	6774	lncRNA		5304401		-	0
	6775	lncRNA		5303328		_	0
	6776	lncRNA		5301928		-	0
	6777	lncRNA		5478736		_	0
	6778	lncRNA		5489795		_	0
	6779	lncRNA		5492755		-	0
	6780	lncRNA		5492488		_	0
	6781	lncRNA		5489795		_	0
	6782	lncRNA		5490829		_	0
	6783	lncRNA		5492755		_	0
	6784	lncRNA		5492488		_	0
	6785	lncRNA		5491144		_	0
	6786	lncRNA		5490829		_	0
	6787 6788	lncRNA		5480787		_	0
	6789	lncRNA lncRNA		5480787 5481956		_	0
	6790	lncRNA		5480787		_	
	6791	lncRNA		5492978		+	0
	6792	lncRNA		5492978		+	0
	6793	lncRNA		5492978		+	0
	6794	unprocessed_pseudogene		5554747		+	0
	6795	unprocessed_pseudogene		5554747		+	0
	6796	unprocessed_pseudogene		5554747		+	0
	6797	lncRNA		5561709		-	0
	6798	lncRNA		5561709		_	0
	6799	lncRNA		5668141		_	0
	6800	lncRNA		5563170		_	0
	6801	lncRNA		5561709		_	0
	6802	lncRNA		5587368		_	0
							•

##	6803	lncRNA	${\tt chr1}$	5668141	5668295	-	0
##	6804	lncRNA	chr1	5587368	5587575	-	0
##	6805	miRNA	chr1	5564071	5564143	+	0
##	6806	miRNA	chr1	5564071	5564143	+	0
##	6807	miRNA	chr1	5564071	5564143	+	0
##	6808	miRNA	chr1	5862672	5862741	-	1
##	6809	miRNA	chr1	5862672	5862741	-	1
##	6810	miRNA	chr1	5862672	5862741	_	1
##	6811	protein_coding	chr1	5862811	5992473	-	1
##	6812	protein_coding	chr1	5862811	5992425	-	1
##	6813	protein_coding	chr1	5992244	5992425	-	1
##	6814	protein_coding	chr1	5986155	5986327	_	1
##	6815	protein_coding	chr1	5986155	5986289	-	1
##	6816	protein_coding	chr1	5986287	5986289	-	1
##	6817	protein_coding	chr1	5978270	5978413	-	1
##	6818	protein_coding	chr1	5978270	5978413	-	1
##	6819	protein_coding	chr1	5969087	5969259	-	1
##	6820	protein_coding	chr1	5969087	5969259	_	1
##	6821	protein_coding	chr1	5967299	5967363	-	1
##	6822	protein_coding	chr1	5967299	5967363	-	1
##	6823	protein_coding	chr1	5961794	5961949	-	1
##	6824	protein_coding	chr1	5961794	5961949	_	1
##	6825	protein_coding	chr1	5952700	5952836	_	1
##	6826	protein_coding	chr1	5952700	5952836	_	1
##	6827	protein_coding	chr1	5948070	5948251	_	1
##	6828	protein_coding	chr1	5948070	5948251	_	1
##	6829	protein_coding	chr1	5947104	5947230	_	1
##	6830	protein_coding	chr1	5947104	5947230	_	1
##	6831	protein_coding		5933147		_	1
##	6832	protein_coding		5933147		_	1
##	6833	protein_coding	chr1	5927649	5927787	_	1
##	6834	protein_coding	chr1	5927649	5927787	_	1
##	6835	protein_coding	chr1	5909152	5909213	_	1
##	6836	protein_coding	chr1	5909152	5909213	_	1
##	6837	protein_coding		5907115		_	1
##	6838	protein_coding		5907115		_	1
##	6839	protein_coding		5905632		_	1
##	6840	protein_coding	chr1	5905632	5905783	_	1
##	6841	protein_coding	chr1	5905292	5905483	_	1
##	6842	protein_coding		5905292		_	1
##	6843	protein_coding	chr1	5904617	5904804	_	1
##	6844	protein_coding	chr1	5904617	5904804	_	1
##	6845	protein_coding	chr1	5890868	5891028	_	1
##	6846	protein_coding	chr1	5890868	5891028	_	1
##	6847	protein_coding	chr1	5887286	5887466	_	1
##	6848	protein_coding		5887286		_	1
##	6849	protein_coding		5880114		_	1
	6850	protein_coding		5880114		-	1
	6851	protein_coding		5877093		-	1
	6852	protein_coding		5877093		-	1
	6853	protein_coding		5874874		-	1
	6854	protein_coding		5874874		-	1
	6855	protein_coding		5874471		-	1
	6856	protein_coding		5874471		-	1

	6857	protein_coding		5873252		_	1
##	6858	<pre>protein_coding</pre>	chr1	5873252	5873335	-	1
##	6859	<pre>protein_coding</pre>	chr1	5867740	5867896	-	1
##	6860	<pre>protein_coding</pre>	chr1	5867740	5867896	-	1
##	6861	protein_coding	chr1	5867030	5867115	-	1
##	6862	protein_coding	chr1	5867030	5867115	_	1
##	6863	protein_coding	chr1	5866373	5866458	-	1
##	6864	protein_coding	chr1	5866373	5866458	_	1
##	6865	protein_coding	chr1	5865102	5865273	_	1
##	6866	protein_coding	chr1	5865102	5865273	_	1
##	6867	protein_coding	chr1	5864338	5864517	_	1
##	6868	protein_coding	chr1	5864338	5864517	_	1
##	6869	protein_coding	chr1	5863890	5864033	-	1
##	6870	protein_coding		5863890		_	1
##	6871	protein_coding		5862811		_	1
	6872	protein_coding		5863268		_	1
	6873	protein_coding		5863265		_	1
	6874	protein_coding		5992244		_	1
	6875	protein_coding		5986290		_	1
	6876	protein_coding		5862811		_	1
	6877	protein_coding		5879505		_	1
	6878	protein_coding		5992244		_	1
	6879	protein_coding		5986155		_	1
	6880	protein_coding		5986155		_	1
	6881	protein_coding		5986287		_	1
	6882	protein_coding		5978270		_	1
	6883	-		5978270		_	1
	6884	protein_coding		5969087		_	1
	6885	protein_coding		5969087		_	1
	6886	protein_coding				_	
	6887	protein_coding		5967299		-	1
		protein_coding		5967299		_	1
	6888	protein_coding		5961794		-	1
	6889	protein_coding		5961794		-	1
	6890	protein_coding		5952700		_	1
	6891	protein_coding		5952700		-	1
	6892	protein_coding		5948070		-	1
	6893	protein_coding		5948070		-	1
	6894	protein_coding		5947104		-	1
	6895	protein_coding		5947104		-	1
	6896	<pre>protein_coding</pre>		5933147		-	1
	6897	<pre>protein_coding</pre>		5933147		-	1
	6898	<pre>protein_coding</pre>		5927649		-	1
	6899	<pre>protein_coding</pre>		5927649		-	1
	6900	<pre>protein_coding</pre>		5909152		-	1
	6901	<pre>protein_coding</pre>		5909152		-	1
	6902	<pre>protein_coding</pre>		5907115		-	1
	6903	<pre>protein_coding</pre>		5907115		-	1
	6904	<pre>protein_coding</pre>		5905632		-	1
	6905	<pre>protein_coding</pre>		5905632		-	1
	6906	<pre>protein_coding</pre>		5905292		-	1
##	6907	<pre>protein_coding</pre>	chr1	5905292	5905483	-	1
##	6908	<pre>protein_coding</pre>	chr1	5904617	5904804	-	1
##	6909	<pre>protein_coding</pre>	chr1	5904617	5904804	-	1
##	6910	<pre>protein_coding</pre>	chr1	5890868	5891028	-	1

	6911	<pre>protein_coding</pre>		5890868		-	1
	6912	<pre>protein_coding</pre>		5887286		_	1
	6913	<pre>protein_coding</pre>		5887286		_	1
	6914	<pre>protein_coding</pre>		5880114		-	1
	6915	<pre>protein_coding</pre>		5880114		-	1
##	6916	<pre>protein_coding</pre>	chr1	5879505	5879632	-	1
##	6917	<pre>protein_coding</pre>	chr1	5879508	5879632	-	1
##	6918	<pre>protein_coding</pre>	chr1	5879505	5879507	_	1
##	6919	<pre>protein_coding</pre>		5992244		_	1
##	6920	<pre>protein_coding</pre>	chr1	5986290	5986327	_	1
##	6921	<pre>protein_coding</pre>	chr1	5879505	5879507	_	1
##	6922	<pre>protein_coding</pre>	chr1	5990927	6101193	+	1
##	6923	<pre>protein_coding</pre>	chr1	5992262	6101193	+	1
##	6924	protein_coding	chr1	5992262	5992788	+	1
##	6925	protein_coding	chr1	6040517	6040645	+	1
##	6926	protein_coding	chr1	6040569	6040645	+	1
##	6927	protein_coding	chr1	6040569	6040571	+	1
##	6928	protein_coding	chr1	6041831	6041872	+	1
##	6929	protein_coding	chr1	6041831	6041872	+	1
##	6930	protein_coding	chr1	6072755	6072798	+	1
##	6931	protein_coding	chr1	6072755	6072798	+	1
##	6932	protein_coding	chr1	6073733	6073770	+	1
##	6933	protein_coding	chr1	6073733	6073770	+	1
##	6934	protein_coding	chr1	6082195	6082274	+	1
##	6935	protein_coding	chr1	6082195	6082274	+	1
##	6936	protein_coding	chr1	6085204	6085248	+	1
##	6937	protein_coding		6085204		+	1
##	6938	protein_coding		6087467		+	1
	6939	protein_coding		6087467		+	1
	6940	protein_coding		6089008		+	1
	6941	protein_coding		6089008		+	1
	6942	protein_coding		6090389		+	1
	6943	protein_coding		6090389		+	1
	6944	protein_coding		6094400		+	1
	6945	protein_coding		6094400		+	1
	6946	protein_coding		6095323		+	1
	6947	protein_coding		6095323		+	1
	6948	protein_coding		6095530		+	1
	6949	protein_coding		6095530		+	1
	6950	protein_coding		6096636		+	1
	6951	protein_coding		6096636		+	1
	6952	protein_coding		6097269		+	1
	6953	protein_coding		6097269		+	1
	6954	protein_coding protein_coding		6098485		+	1
	6955	-		6098485		+	1
	6956	protein_coding		6098572		+	
		protein_coding					1
	6957	protein_coding		5992262 6040517		+	1
	6958	protein_coding				+	1
	6959	protein_coding		6098572		+	1
	6960	protein_coding		5992639		+	1
	6961	protein_coding		5992639		+	1
	6962	protein_coding		6040517		+	1
	6963	protein_coding		6040569		+	1
##	6964	<pre>protein_coding</pre>	chr1	6040569	60405/1	+	1

##	6965	<pre>protein_coding</pre>	chr1	6072755	6072798	+	1
##	6966	<pre>protein_coding</pre>	chr1	6072755	6072798	+	1
##	6967	protein_coding	${\tt chr1}$	6073733	6073770	+	1
##	6968	protein_coding	${\tt chr1}$	6073733	6073770	+	1
##	6969	protein_coding	chr1	6082195	6082274	+	1
##	6970	protein_coding	chr1	6082195	6082274	+	1
##	6971	protein_coding	chr1	6085204	6085248	+	1
##	6972	protein_coding		6085204		+	1
##	6973	protein_coding		6087467		+	1
	6974	protein_coding		6087467		+	1
	6975	protein_coding		6089008		+	1
	6976	protein_coding		6089008		+	1
	6977	protein_coding		6090389		+	1
	6978	protein_coding		6090389		+	1
	6979	protein_coding		6094400		+	1
	6980	protein_coding		6094400		+	1
	6981	-		6095323		+	1
	6982	protein_coding		6095323		+	1
	6983	protein_coding		6095530		+	1
	6984	protein_coding		6095530		+	1
		protein_coding					
	6985	protein_coding		6096636		+	1
	6986	protein_coding		6096636		+	1
	6987	protein_coding		6097269		+	1
	6988	protein_coding		6097269		+	1
	6989	protein_coding		6098485		+	1
	6990	protein_coding		6098485		+	1
	6991	protein_coding		6098572		+	1
	6992	protein_coding		5992639		+	1
	6993	<pre>protein_coding</pre>		6040517		+	1
	6994	<pre>protein_coding</pre>		6098572		+	1
	6995	<pre>protein_coding</pre>		5992666		+	1
	6996	<pre>protein_coding</pre>		5992666		+	1
	6997	<pre>protein_coding</pre>		6018635		+	1
	6998	<pre>protein_coding</pre>		6040517		+	1
##	6999	<pre>protein_coding</pre>		6040569		+	1
##	7000	<pre>protein_coding</pre>	chr1	6040569	6040571	+	1
##	7001	<pre>protein_coding</pre>	chr1	6041831	6041872	+	1
##	7002	<pre>protein_coding</pre>	chr1	6041831	6041872	+	1
##	7003	<pre>protein_coding</pre>	chr1	6072755	6072798	+	1
##	7004	protein_coding	chr1	6072755	6072798	+	1
##	7005	protein_coding	${\tt chr1}$	6073733	6073770	+	1
##	7006	protein_coding	chr1	6073733	6073770	+	1
##	7007	protein_coding	${\tt chr1}$	6082195	6082274	+	1
##	7008	protein_coding	chr1	6082195	6082274	+	1
##	7009	protein_coding	chr1	6085204	6085248	+	1
##	7010	protein_coding	chr1	6085204	6085248	+	1
##	7011	protein_coding	chr1	6087467	6087511	+	1
##	7012	protein_coding		6087467		+	1
##	7013	protein_coding		6089008		+	1
	7014	protein_coding		6089008		+	1
	7015	protein_coding		6090389		+	1
	7016	protein_coding		6090389		+	1
	7017	protein_coding		6094400		+	1
	7018	protein_coding		6094400		+	1
		_ = = =================================		•			-

##	7019	<pre>protein_coding</pre>	chr1	6095323	6095443	+	1
##	7020	<pre>protein_coding</pre>	chr1	6095323	6095443	+	1
##	7021	protein_coding	chr1	6095530	6095624	+	1
##	7022	protein_coding	chr1	6095530	6095624	+	1
##	7023	protein_coding	chr1	6096636	6096756	+	1
##	7024	protein_coding	chr1	6096636	6096756	+	1
##	7025	protein_coding	chr1	6097269	6097357	+	1
##	7026	protein_coding		6097269		+	1
##	7027	protein_coding		6098485		+	1
	7028	protein_coding		6098485		+	1
	7029	protein_coding		6098572		+	1
	7030	protein_coding		5992666		+	1
	7031	protein_coding		6018635		+	1
	7032	protein_coding		6040517		+	1
	7033	protein_coding		6098572		+	1
	7034	protein_coding		5992711		+	1
	7035	protein_coding		5992711		+	1
	7036	protein_coding		6040517		+	1
	7037	protein_coding		6040569		+	1
	7038	protein_coding		6040569		+	1
	7039	<del>-</del>		6072755		+	1
	7040	protein_coding		6072755		+	1
	7040	protein_coding		6073733		+	1
	7041	protein_coding		6073733		+	1
	7042	protein_coding		6082195		+	1
	7043	protein_coding					
		protein_coding		6082195		+	1
	7045	protein_coding		6085204		+	1
	7046	protein_coding		6085204		+	1
	7047	protein_coding		6087467		+	1
	7048	protein_coding		6087467		+	1
	7049	protein_coding		6089008		+	1
	7050	protein_coding		6089008		+	1
	7051	protein_coding		6090389		+	1
	7052	protein_coding		6090389		+	1
	7053	protein_coding		6094400		+	1
	7054	protein_coding		6094400		+	1
##	7055	protein_coding		6095323		+	1
	7056	<pre>protein_coding</pre>		6095323		+	1
	7057	<pre>protein_coding</pre>		6095530		+	1
	7058	<pre>protein_coding</pre>		6095530		+	1
	7059	<pre>protein_coding</pre>		6096636		+	1
	7060	<pre>protein_coding</pre>		6096636		+	1
	7061	<pre>protein_coding</pre>		6097269		+	1
	7062	<pre>protein_coding</pre>		6097269		+	1
	7063	<pre>protein_coding</pre>		6097517		+	1
##	7064	<pre>protein_coding</pre>		6097517		+	1
	7065	<pre>protein_coding</pre>		6097529		+	1
	7066	<pre>protein_coding</pre>		6098485		+	1
##	7067	<pre>protein_coding</pre>		5992711		+	1
##	7068	<pre>protein_coding</pre>		6040517		+	1
##	7069	<pre>protein_coding</pre>	chr1	6097529	6097555	+	1
##	7070	<pre>protein_coding</pre>	chr1	6098485	6101178	+	1
##	7071	<pre>protein_coding</pre>		5992753		+	1
##	7072	<pre>protein_coding</pre>	chr1	5992753	5992788	+	1

##	7073	<pre>protein_coding</pre>	chr1	6040517	6040645	+	1
##	7074	protein_coding	chr1	6040569	6040645	+	1
##	7075	protein_coding	chr1	6040569	6040571	+	1
##	7076	protein_coding	chr1	6041831	6041872	+	1
##	7077	protein_coding	chr1	6041831	6041872	+	1
##	7078	protein_coding	chr1	6072755	6072798	+	1
##	7079	protein_coding	chr1	6072755	6072798	+	1
##	7080	protein_coding		6073733		+	1
##	7081	protein_coding		6073733		+	1
	7082	protein_coding		6082195		+	1
	7083	protein_coding		6082195		+	1
	7084	protein_coding		6085204		+	1
	7085	protein_coding		6085204		+	1
	7086	protein_coding		6087467		+	1
	7087	protein_coding		6087467		+	1
	7088	protein_coding		6089008		+	1
	7089			6089008		+	1
	7090	protein_coding		6090389		+	1
	7090	protein_coding		6090389		+	1
		protein_coding					
	7092	protein_coding		6091263		+	1
	7093	protein_coding		6091263		+	1
	7094	protein_coding		6094400		+	1
	7095	protein_coding		6094400		+	1
	7096	protein_coding		6095323		+	1
	7097	protein_coding		6095323		+	1
	7098	protein_coding		6095530		+	1
	7099	<pre>protein_coding</pre>		6095530		+	1
	7100	<pre>protein_coding</pre>		6096636		+	1
	7101	<pre>protein_coding</pre>		6096636		+	1
##	7102	<pre>protein_coding</pre>		6097269		+	1
##	7103	<pre>protein_coding</pre>		6097269		+	1
##	7104	<pre>protein_coding</pre>		6098485		+	1
##	7105	<pre>protein_coding</pre>	chr1	6098485	6098571	+	1
##	7106	<pre>protein_coding</pre>	chr1	6098572	6098574	+	1
##	7107	<pre>protein_coding</pre>	chr1	5992753	5992788	+	1
##	7108	protein_coding	chr1	6040517	6040568	+	1
##	7109	protein_coding	chr1	6098572	6101190	+	1
##	7110	protein_coding	chr1	5992760	6086371	+	1
##	7111	protein_coding	chr1	5992760	5992788	+	1
##	7112	protein_coding	chr1	6040517	6040645	+	1
##	7113	protein_coding	chr1	6040569	6040645	+	1
##	7114	protein_coding	chr1	6040569	6040571	+	1
##	7115	protein_coding	chr1	6072755	6072798	+	1
##	7116	protein_coding	chr1	6072755	6072798	+	1
##	7117	protein_coding	chr1	6073733	6073770	+	1
##	7118	protein_coding		6073733		+	1
	7119	protein_coding		6082195		+	1
	7120	protein_coding		6082195		+	1
	7121	protein_coding		6085204		+	1
	7122	protein_coding		6085204		+	1
	7123	protein_coding		6085740		+	1
	7124	protein_coding		6085740		+	1
	7125	protein_coding		6086047		+	1
	7126	protein_coding		5992760		+	1
π <b>π</b>	. 120	Lrogorn-couring	O111 1	3002100	3002100	•	_

##	7127	<pre>protein_coding</pre>	chr1	6040517	6040568	+	1
##	7128	<pre>protein_coding</pre>	chr1	6086047	6086371	+	1
##	7129	protein_coding	chr1	6026013	6099119	+	1
##	7130	protein_coding	chr1	6026013	6026445	+	1
##	7131	protein_coding	chr1	6040517	6040645	+	1
##	7132	protein_coding	chr1	6040569	6040645	+	1
##	7133	protein_coding	chr1	6040569	6040571	+	1
##	7134	protein_coding		6041831		+	1
##	7135	protein_coding		6041831		+	1
	7136	protein_coding		6072755		+	1
##	7137	protein_coding		6072755		+	1
##	7138	protein_coding		6073733		+	1
	7139	protein_coding		6073733		+	1
	7140	protein_coding		6082195		+	1
	7141	protein_coding		6082195		+	1
	7142	protein_coding		6085204		+	1
	7143	protein_coding		6085204		+	1
	7144	protein_coding		6087467		+	1
	7145	protein_coding		6087467		+	1
	7146	protein_coding		6089008		+	1
	7147	protein_coding		6089008		+	1
	7148	protein_coding		6090389		+	1
	7149	protein_coding		6090389		+	1
	7150	protein_coding		6094400		+	1
	7151	-		6094400		+	1
	7152	protein_coding		6095323		+	1
	7153	protein_coding		6095323		+	1
	7154	protein_coding		6095530			1
		protein_coding				+	
	7155	protein_coding		6095530		+	1
	7156	protein_coding		6096636		+	1
	7157	protein_coding		6096636		+	1
	7158	protein_coding		6097269		+	1
	7159	protein_coding		6097269		+	1
	7160	protein_coding		6098485		+	1
	7161	protein_coding		6098485		+	1
	7162	protein_coding		6098572		+	1
	7163	protein_coding		6026013		+	1
	7164	protein_coding		6040517		+	1
	7165	protein_coding		6098572		+	1
	7166	<pre>protein_coding</pre>		6026163		+	1
	7167	<pre>protein_coding</pre>		6026163		+	1
	7168	<pre>protein_coding</pre>		6040517		+	1
	7169	<pre>protein_coding</pre>		6040569		+	1
	7170	<pre>protein_coding</pre>		6040569		+	1
	7171	<pre>protein_coding</pre>		6072755		+	1
	7172	<pre>protein_coding</pre>		6072755		+	1
	7173	<pre>protein_coding</pre>		6073733		+	1
	7174	<pre>protein_coding</pre>		6073733		+	1
	7175	<pre>protein_coding</pre>		6082195		+	1
##	7176	<pre>protein_coding</pre>		6082195		+	1
	7177	<pre>protein_coding</pre>		6085204		+	1
##	7178	<pre>protein_coding</pre>	chr1	6085204	6085248	+	1
	7179	<pre>protein_coding</pre>		6087467		+	1
##	7180	<pre>protein_coding</pre>	chr1	6087467	6087511	+	1

	7181	<pre>protein_coding</pre>		6089008		+	1
	7182	<pre>protein_coding</pre>		6089008		+	1
	7183	<pre>protein_coding</pre>		6090389		+	1
	7184	<pre>protein_coding</pre>		6090389		+	1
	7185	<pre>protein_coding</pre>		6094400		+	1
##	7186	<pre>protein_coding</pre>	chr1	6094400	6094485	+	1
##	7187	<pre>protein_coding</pre>		6095323		+	1
##	7188	<pre>protein_coding</pre>	chr1	6095323	6095443	+	1
##	7189	<pre>protein_coding</pre>	chr1	6095530	6095624	+	1
##	7190	<pre>protein_coding</pre>	chr1	6095530	6095624	+	1
##	7191	<pre>protein_coding</pre>	chr1	6096636	6096756	+	1
##	7192	<pre>protein_coding</pre>	chr1	6096636	6096756	+	1
##	7193	<pre>protein_coding</pre>	chr1	6097269	6097357	+	1
##	7194	protein_coding	chr1	6097269	6097357	+	1
##	7195	protein_coding	chr1	6098485	6101178	+	1
##	7196	protein_coding	chr1	6098485	6098571	+	1
##	7197	protein_coding	chr1	6098572	6098574	+	1
##	7198	protein_coding	chr1	6026163	6026445	+	1
##	7199	protein_coding	chr1	6040517	6040568	+	1
##	7200	protein_coding	chr1	6098572	6101178	+	1
##	7201	protein_coding	chr1	6026272	6086366	+	1
##	7202	protein_coding	chr1	6026272	6026445	+	1
##	7203	protein_coding	chr1	6040517	6040645	+	1
##	7204	protein_coding	chr1	6040569	6040645	+	1
##	7205	protein_coding	chr1	6040569	6040571	+	1
##	7206	protein_coding		6072755		+	1
##	7207	protein_coding		6072755		+	1
##	7208	protein_coding		6073733		+	1
	7209	protein_coding		6073733		+	1
	7210	protein_coding		6082195		+	1
	7211	protein_coding		6082195		+	1
	7212	protein_coding		6085204		+	1
	7213	protein_coding		6085204		+	1
	7214	protein_coding		6086158		+	1
	7215	protein_coding		6086158		+	1
	7216	protein_coding		6086312		+	1
	7217	protein_coding		6026272		+	1
	7218	protein_coding		6040517		+	1
	7219	protein_coding		6086312		+	1
	7220	protein_coding		6026294		+	1
	7221	protein_coding		6026294		+	1
	7222	protein_coding		6040517		+	1
	7223	protein_coding		6040569		+	1
	7224	protein_coding protein_coding		6040569		+	1
	7225	-		6041831		+	1
	7226	protein_coding		6041831		+	1
		protein_coding					
	7227 7228	protein_coding		6072755 6072755		+	1 1
		protein_coding					
	7229	protein_coding		6073733		+	1
	7230	protein_coding		6073733		+	1
	7231	protein_coding		6082195		+	1
	7232	protein_coding		6082195		+	1
	7233	protein_coding		6085204		+	1
##	7234	<pre>protein_coding</pre>	cnr1	6085204	bU85248	+	1

##	7235	<pre>protein_coding</pre>	chr1	6086158	6086363	+	1
##	7236	<pre>protein_coding</pre>	chr1	6086158	6086311	+	1
##	7237	protein_coding	chr1	6086312	6086314	+	1
##	7238	protein_coding	chr1	6026294	6026445	+	1
##	7239	protein_coding	chr1	6040517	6040568	+	1
##	7240	protein_coding	chr1	6086312	6086363	+	1
##	7241	protein_coding		6026320		+	1
##	7242	protein_coding		6026320		+	1
	7243	protein_coding		6040517		+	1
	7244	protein_coding		6040569		+	1
	7245	protein_coding		6040569		+	1
	7246	protein_coding		6041831		+	1
	7247			6041831		+	1
	7248	protein_coding		6072755		+	1
	7249	protein_coding		6072755			
		protein_coding				+	1
	7250	protein_coding		6073733		+	1
	7251	protein_coding		6073733		+	1
	7252	protein_coding		6082195		+	1
	7253	protein_coding		6082195		+	1
	7254	<pre>protein_coding</pre>		6085204		+	1
	7255	<pre>protein_coding</pre>		6085204		+	1
##	7256	<pre>protein_coding</pre>		6087467		+	1
##	7257	<pre>protein_coding</pre>	chr1	6087467	6087511	+	1
##	7258	<pre>protein_coding</pre>	chr1	6089008	6089051	+	1
##	7259	protein_coding	chr1	6089008	6089051	+	1
##	7260	protein_coding	chr1	6090389	6090475	+	1
##	7261	protein_coding	chr1	6090389	6090475	+	1
##	7262	protein_coding	chr1	6094400	6094485	+	1
##	7263	protein_coding	chr1	6094400	6094485	+	1
##	7264	protein_coding	chr1	6095323	6095443	+	1
##	7265	protein_coding	chr1	6095323	6095443	+	1
##	7266	protein_coding	chr1	6095530	6095624	+	1
##	7267	protein_coding	chr1	6095530	6095624	+	1
##	7268	protein_coding		6096636		+	1
##	7269	protein_coding		6096636		+	1
	7270	protein_coding		6097269		+	1
	7271	protein_coding		6097269		+	1
	7272	protein_coding		6097529		+	1
	7273	protein_coding		6026320		+	1
	7274	protein_coding		6040517		+	1
	7275			6097529		+	1
	7276	protein_coding		6026345		+	1
		protein_coding					
	7277	protein_coding		6026345		+	1
	7278	protein_coding		6040517		+	1
	7279	protein_coding		6040569		+	1
	7280	protein_coding		6040569		+	1
	7281	protein_coding		6072755		+	1
	7282	protein_coding		6072755		+	1
	7283	<pre>protein_coding</pre>		6073733		+	1
	7284	<pre>protein_coding</pre>		6073733		+	1
	7285	<pre>protein_coding</pre>		6082195		+	1
	7286	<pre>protein_coding</pre>		6082195		+	1
	7287	<pre>protein_coding</pre>		6085204		+	1
##	7288	<pre>protein_coding</pre>	chr1	6085204	6085249	+	1

##	7289	<pre>protein_coding</pre>	chr1	6085250	6085252	+	1
##	7290	<pre>protein_coding</pre>	chr1	6026345	6026445	+	1
##	7291	protein_coding	chr1	6040517	6040568	+	1
##	7292	protein_coding	chr1	6085250	6086363	+	1
##	7293	protein_coding	chr1	6026347	6082816	+	1
##	7294	protein_coding	chr1	6026347	6026445	+	1
##	7295	protein_coding	chr1	6040517	6040645	+	1
##	7296	protein_coding		6040569		+	1
##	7297	protein_coding		6040569		+	1
	7298	protein_coding		6072755		+	1
	7299	protein_coding		6072755		+	1
	7300	protein_coding		6073733		+	1
	7301	protein_coding		6073733		+	1
	7302	protein_coding		6082195		+	1
	7303	protein_coding		6082195		+	1
	7304	protein_coding		6082408		+	1
	7305	protein_coding		6026347		+	1
	7306	protein_coding		6040517		+	1
	7307	protein_coding		6082408		+	1
	7308	protein_coding		6027297		+	1
	7309			6027297		+	1
	7310	<pre>protein_coding protein_coding</pre>		6040517		+	1
	7311	-		6040569		+	1
	7312	protein_coding		6040569		+	1
	7313	protein_coding		6072755		+	1
	7314	protein_coding					
		protein_coding		6072755		+	1
	7315	protein_coding		6073733		+	1
	7316	protein_coding		6073733		+	1
	7317	protein_coding		6082195		+	1
	7318	protein_coding		6082195		+	1
	7319	protein_coding		6085204		+	1
	7320	protein_coding		6085204		+	1
	7321	protein_coding		6087467		+	1
	7322	protein_coding		6087467		+	1
	7323	protein_coding		6089008		+	1
	7324	protein_coding		6089008		+	1
	7325	protein_coding		6090389		+	1
	7326	protein_coding		6090389		+	1
	7327	<pre>protein_coding</pre>		6094400		+	1
	7328	<pre>protein_coding</pre>		6094400		+	1
	7329	<pre>protein_coding</pre>		6095323		+	1
##	7330	<pre>protein_coding</pre>		6095323		+	1
	7331	<pre>protein_coding</pre>		6095530		+	1
##	7332	<pre>protein_coding</pre>	chr1	6095530	6095624	+	1
##	7333	<pre>protein_coding</pre>		6096636		+	1
##	7334	<pre>protein_coding</pre>	chr1	6096636	6096756	+	1
##	7335	<pre>protein_coding</pre>		6097269		+	1
##	7336	<pre>protein_coding</pre>		6097269		+	1
##	7337	<pre>protein_coding</pre>	chr1	6098485	6101180	+	1
##	7338	protein_coding	chr1	6098485	6098571	+	1
##	7339	protein_coding	chr1	6098572	6098574	+	1
##	7340	protein_coding	chr1	6027297	6027459	+	1
##	7341	protein_coding	chr1	6040517	6040568	+	1
##	7342	protein_coding	chr1	6098572	6101180	+	1

##	7343	<pre>protein_coding</pre>	chr1	6034283	6101179	+	1
##	7344	<pre>protein_coding</pre>	chr1	6034283	6034794	+	1
##	7345	protein_coding	${\tt chr1}$	6040517	6040645	+	1
##	7346	protein_coding	${\tt chr1}$	6040569	6040645	+	1
##	7347	protein_coding	chr1	6040569	6040571	+	1
##	7348	protein_coding	chr1	6041831	6041872	+	1
##	7349	protein_coding	chr1	6041831	6041872	+	1
##	7350	protein_coding		6072755		+	1
##	7351	protein_coding		6072755		+	1
	7352	protein_coding		6073733		+	1
	7353	protein_coding		6073733		+	1
	7354	protein_coding		6082195		+	1
	7355	protein_coding		6082195		+	1
	7356	protein_coding		6085204		+	1
	7357	protein_coding		6085204		+	1
	7358	protein_coding		6087467		+	1
	7359	protein_coding		6087467		+	1
	7360	-		6089008		+	1
	7361	protein_coding		6089008		+	1
	7362	protein_coding		6090389		+	1
	7363	protein_coding		6090389		+	1
		protein_coding					
	7364	protein_coding		6094400		+	1
	7365	protein_coding		6094400		+	1
	7366	protein_coding		6095323		+	1
	7367	protein_coding		6095323		+	1
	7368	protein_coding		6095530		+	1
	7369	protein_coding		6095530		+	1
	7370	protein_coding		6096636		+	1
	7371	protein_coding		6096636		+	1
	7372	protein_coding		6097269		+	1
	7373	protein_coding		6097269		+	1
	7374	protein_coding		6098485		+	1
	7375	<pre>protein_coding</pre>		6098485		+	1
	7376	<pre>protein_coding</pre>		6098572		+	1
	7377	<pre>protein_coding</pre>		6034283		+	1
	7378	<pre>protein_coding</pre>		6040517		+	1
##	7379	<pre>protein_coding</pre>		6098572		+	1
##	7380	<pre>protein_coding</pre>	chr1	6034677	6098213	+	1
##	7381	<pre>protein_coding</pre>	chr1	6034677	6034963	+	1
##	7382	<pre>protein_coding</pre>	chr1	6040517	6040645	+	1
##	7383	<pre>protein_coding</pre>	chr1	6040569	6040645	+	1
##	7384	<pre>protein_coding</pre>	chr1	6040569	6040571	+	1
##	7385	protein_coding	chr1	6041831	6041872	+	1
##	7386	protein_coding	${\tt chr1}$	6041831	6041872	+	1
##	7387	protein_coding	${\tt chr1}$	6072755	6072798	+	1
##	7388	protein_coding	${\tt chr1}$	6072755	6072798	+	1
##	7389	protein_coding	chr1	6073733	6073770	+	1
##	7390	protein_coding	chr1	6073733	6073770	+	1
##	7391	protein_coding	chr1	6082195	6082274	+	1
##	7392	protein_coding	chr1	6082195	6082274	+	1
##	7393	protein_coding		6085204		+	1
##	7394	protein_coding		6085204		+	1
	7395	protein_coding		6087467		+	1
##	7396	protein_coding		6087467		+	1

##	7397	<pre>protein_coding</pre>		6089008		+	1
##	7398	<pre>protein_coding</pre>	chr1	6089008	6089051	+	1
##	7399	<pre>protein_coding</pre>	chr1	6090389	6090475	+	1
##	7400	protein_coding	chr1	6090389	6090475	+	1
##	7401	protein_coding	chr1	6094400	6094485	+	1
##	7402	protein_coding	chr1	6094400	6094485	+	1
##	7403	protein_coding	chr1	6095323	6095443	+	1
##	7404	protein_coding	chr1	6095323	6095443	+	1
##	7405	protein_coding	chr1	6095530	6095624	+	1
##	7406	protein_coding	chr1	6095530	6095624	+	1
##	7407	protein_coding		6096636		+	1
##	7408	protein_coding		6096636		+	1
	7409	protein_coding		6097269		+	1
	7410	protein_coding		6097269		+	1
	7411	protein_coding		6097529		+	1
	7412	protein_coding		6034677		+	1
	7413	protein_coding		6040517		+	1
	7414	protein_coding		6097529		+	1
	7415	protein_coding		6034980		+	1
	7416	protein_coding		6034980		+	1
	7417			6040517		+	1
	7418	protein_coding		6040569		+	1
	7419	protein_coding		6040569		+	1
	7419	protein_coding		6041831			
	· == *	protein_coding				+	1
	7421	protein_coding		6041831		+	1
	7422	protein_coding		6072755		+	1
	7423	protein_coding		6072755		+	1
	7424	protein_coding		6073733		+	1
	7425	protein_coding		6073733		+	1
	7426	protein_coding		6082195		+	1
	7427	protein_coding		6082195		+	1
	7428	<pre>protein_coding</pre>		6085204		+	1
	7429	<pre>protein_coding</pre>		6085204		+	1
	7430	<pre>protein_coding</pre>		6087467		+	1
	7431	<pre>protein_coding</pre>		6087467		+	1
	7432	<pre>protein_coding</pre>		6089008		+	1
##	7433	<pre>protein_coding</pre>		6089008		+	1
##	7434	<pre>protein_coding</pre>	chr1	6090389	6090475	+	1
##	7435	<pre>protein_coding</pre>	chr1	6090389	6090475	+	1
##	7436	<pre>protein_coding</pre>	chr1	6094400	6094485	+	1
##	7437	protein_coding	chr1	6094400	6094485	+	1
##	7438	protein_coding	chr1	6095323	6095443	+	1
##	7439	protein_coding	chr1	6095323	6095443	+	1
##	7440	protein_coding	chr1	6095530	6095624	+	1
##	7441	protein_coding	chr1	6095530	6095624	+	1
##	7442	protein_coding	chr1	6096636	6096756	+	1
##	7443	protein_coding	chr1	6096636	6096756	+	1
##	7444	protein_coding	chr1	6097269	6097357	+	1
##	7445	protein_coding		6097269		+	1
##	7446	protein_coding		6098485		+	1
##	7447	protein_coding		6098485		+	1
	7448	protein_coding		6098572		+	1
	7449	protein_coding		6034980		+	1
	7450	protein_coding		6040517		+	1

##	7451	<pre>protein_coding</pre>	chr1	6098572	6098723	+	1
##	7452	<pre>protein_coding</pre>	chr1	6035090	6086362	+	1
##	7453	protein_coding	${\tt chr1}$	6035090	6035172	+	1
##	7454	protein_coding	${\tt chr1}$	6040517	6040645	+	1
##	7455	protein_coding	chr1	6040569	6040645	+	1
##	7456	protein_coding	chr1	6040569	6040571	+	1
##	7457	protein_coding	chr1	6041831	6041872	+	1
##	7458	protein_coding		6041831		+	1
##	7459	protein_coding		6072755		+	1
	7460	protein_coding		6072755		+	1
	7461	protein_coding		6073733		+	1
	7462	protein_coding		6073733		+	1
	7463	protein_coding		6082195		+	1
	7464	protein_coding		6082195		+	1
	7465	protein_coding		6085204		+	1
	7466	protein_coding		6085204		+	1
	7467	protein_coding		6085740		+	1
	7468	protein_coding		6085740		+	1
	7469	-		6086158		+	1
	7470	protein_coding		6086158		+	1
	7471	protein_coding		6086312		+	1
	7472	protein_coding		6035090		+	1
	7473	protein_coding		6040517			
		protein_coding				+	1
	7474	protein_coding		6086312		+	1
	7475	protein_coding		6045921		+	1
	7476	protein_coding		6045921		+	1
	7477	protein_coding		6051511		+	1
	7478	protein_coding		6051537		+	1
	7479	protein_coding		6051537		+	1
	7480	protein_coding		6072755		+	1
	7481	protein_coding		6072755		+	1
	7482	protein_coding		6073733		+	1
	7483	<pre>protein_coding</pre>		6073733		+	1
	7484	<pre>protein_coding</pre>		6082195		+	1
	7485	<pre>protein_coding</pre>		6082195		+	1
	7486	<pre>protein_coding</pre>		6085204		+	1
	7487	<pre>protein_coding</pre>		6085204		+	1
	7488	<pre>protein_coding</pre>		6087467		+	1
##	7489	<pre>protein_coding</pre>	chr1	6087467	6087511	+	1
##	7490	<pre>protein_coding</pre>	chr1	6089008	6089051	+	1
##	7491	<pre>protein_coding</pre>	chr1	6089008	6089051	+	1
##	7492	<pre>protein_coding</pre>	chr1	6090389	6090475	+	1
##	7493	<pre>protein_coding</pre>	chr1	6090389	6090475	+	1
##	7494	<pre>protein_coding</pre>	chr1	6091263	6091307	+	1
##	7495	protein_coding	${\tt chr1}$	6091263	6091307	+	1
##	7496	protein_coding	${\tt chr1}$	6094400	6094485	+	1
##	7497	protein_coding	${\tt chr1}$	6094400	6094485	+	1
##	7498	protein_coding	chr1	6095323	6095443	+	1
##	7499	protein_coding	chr1	6095323	6095443	+	1
##	7500	protein_coding	chr1	6095530	6095624	+	1
##	7501	protein_coding		6095530		+	1
	7502	protein_coding		6096636		+	1
	7503	protein_coding		6096636		+	1
##	7504	protein_coding		6097269		+	1

##	7505	<pre>protein_coding</pre>		6097269		+	1
##	7506	<pre>protein_coding</pre>	chr1	6098485	6101179	+	1
##	7507	protein_coding	chr1	6098485	6098571	+	1
##	7508	protein_coding	chr1	6098572	6098574	+	1
##	7509	protein_coding	chr1	6045921	6046183	+	1
##	7510	protein_coding	chr1	6051511	6051536	+	1
##	7511	protein_coding	chr1	6098572	6101179	+	1
##	7512	protein_coding	chr1	6046114	6098855	+	1
##	7513	protein_coding	chr1	6046114	6046183	+	1
##	7514	protein_coding		6072755		+	1
##	7515	protein_coding		6073733		+	1
##	7516	protein_coding		6082195		+	1
##	7517	protein_coding		6082195		+	1
	7518	protein_coding		6082195		+	1
	7519	protein_coding		6085204		+	1
	7520	protein_coding		6085204		+	1
	7521	protein_coding		6087467		+	1
	7522	protein_coding		6087467		+	1
	7523	protein_coding		6089008		+	1
	7524	protein_coding		6089008		+	1
	7525	protein_coding		6090389		+	1
	7526	protein_coding		6090389		+	1
	7527	-		6094400		+	1
	7528	protein_coding		6094400		+	1
	7529	protein_coding		6095323		+	1
	7530	protein_coding		6095323		+	1
	7531	protein_coding		6095530		+	1
		protein_coding					
	7532	protein_coding		6095530		+	1
	7533	protein_coding		6096636		+	1
	7534	protein_coding		6096636		+	1
	7535	protein_coding		6097269		+	1
	7536	protein_coding		6097269		+	1
	7537	protein_coding		6098485		+	1
	7538	protein_coding		6098485		+	1
	7539	protein_coding		6098572		+	1
	7540	protein_coding		6046114		+	1
	7541	protein_coding	chr1	6072755	6072798	+	1
	7542	protein_coding		6073733		+	1
	7543	<pre>protein_coding</pre>		6098572		+	1
	7544	<pre>protein_coding</pre>		6065753		+	1
	7545	<pre>protein_coding</pre>		6065753		+	1
##	7546	<pre>protein_coding</pre>		6066065		+	1
	7547	<pre>protein_coding</pre>		6066065		+	1
##	7548	<pre>protein_coding</pre>	chr1	6072755	6072798	+	1
##	7549	<pre>protein_coding</pre>		6072755		+	1
##	7550	<pre>protein_coding</pre>		6073733		+	1
##	7551	<pre>protein_coding</pre>		6073733		+	1
##	7552	<pre>protein_coding</pre>		6082195		+	1
##	7553	<pre>protein_coding</pre>	chr1	6082195	6082274	+	1
##	7554	protein_coding	chr1	6085204	6085248	+	1
##	7555	protein_coding	chr1	6085204	6085248	+	1
##	7556	protein_coding	chr1	6087467	6087511	+	1
##	7557	protein_coding	chr1	6087467	6087511	+	1
##	7558	protein_coding	chr1	6089008	6089051	+	1

##	7559	<pre>protein_coding</pre>	chr1	6089008	6089051	+	1
##	7560	<pre>protein_coding</pre>	chr1	6090389	6090475	+	1
##	7561	protein_coding	${\tt chr1}$	6090389	6090475	+	1
##	7562	protein_coding	${\tt chr1}$	6094400	6094485	+	1
##	7563	protein_coding	chr1	6094400	6094485	+	1
##	7564	protein_coding	chr1	6095323	6095443	+	1
##	7565	protein_coding	chr1	6095323	6095443	+	1
##	7566	protein_coding		6095530		+	1
##	7567	protein_coding		6095530		+	1
##	7568	protein_coding		6096636		+	1
	7569	protein_coding		6096636		+	1
	7570	protein_coding		6097269		+	1
	7571	protein_coding		6097269		+	1
	7572	protein_coding		6098485		+	1
	7573	protein_coding		6098485		+	1
	7574	protein_coding		6098572		+	1
	7575	-		6065753		+	1
	7576	protein_coding		6098572		+	1
	7577	protein_coding		6101787		_	1
	7578	protein_coding		6101787		_	1
		protein_coding				_	
	7579	protein_coding		6179945		_	1
	7580	protein_coding		6179945		_	1
	7581	protein_coding		6180021		_	1
	7582	protein_coding		6168150		_	1
	7583	protein_coding		6168150		-	1
	7584	protein_coding		6159336		_	1
	7585	protein_coding		6159336		-	1
	7586	protein_coding		6155599		_	1
	7587	<pre>protein_coding</pre>		6155599		-	1
	7588	<pre>protein_coding</pre>		6154660		_	1
##	7589	<pre>protein_coding</pre>		6154660		-	1
	7590	<pre>protein_coding</pre>		6152412		-	1
	7591	<pre>protein_coding</pre>		6152412		_	1
##	7592	<pre>protein_coding</pre>	chr1	6151032	6151155	_	1
##	7593	<pre>protein_coding</pre>		6151032		-	1
##	7594	<pre>protein_coding</pre>	chr1	6149246	6149412	-	1
##	7595	<pre>protein_coding</pre>		6149246		-	1
##	7596	<pre>protein_coding</pre>	chr1	6148854	6149075	_	1
##	7597	<pre>protein_coding</pre>	chr1	6148854	6149075	-	1
##	7598	protein_coding	chr1	6146665	6146871	-	1
##	7599	protein_coding	${\tt chr1}$	6146665	6146871	-	1
##	7600	protein_coding	chr1	6146212	6146423	_	1
##	7601	protein_coding	chr1	6146212	6146423	-	1
##	7602	protein_coding	chr1	6144024	6144155	-	1
##	7603	protein_coding	chr1	6144024	6144155	-	1
##	7604	protein_coding	chr1	6143823	6143931	-	1
##	7605	protein_coding	chr1	6143823	6143931	_	1
##	7606	protein_coding		6142414		_	1
##	7607	protein_coding		6142414		_	1
	7608	protein_coding		6142128		_	1
	7609	protein_coding		6142128		_	1
	7610	protein_coding		6136728		_	1
	7611	protein_coding		6136728		_	1
	7612	protein_coding		6136517		_	1
		_ = = =================================					•

	7613	<pre>protein_coding</pre>		6136517		_	1
##	7614	<pre>protein_coding</pre>		6135230		-	1
##	7615	<pre>protein_coding</pre>	chr1	6135230	6135403	_	1
##	7616	<pre>protein_coding</pre>	chr1	6134718	6134859	_	1
##	7617	<pre>protein_coding</pre>	chr1	6134718	6134859	_	1
##	7618	<pre>protein_coding</pre>	chr1	6134128	6134259	-	1
##	7619	protein_coding	chr1	6134128	6134259	-	1
	7620	<pre>protein_coding</pre>	${\tt chr1}$	6131631	6131748	-	1
##	7621	protein_coding	${\tt chr1}$	6131631	6131748	-	1
##	7622	protein_coding	chr1	6130204	6130328	-	1
##	7623	protein_coding	${\tt chr1}$	6130204	6130328	_	1
##	7624	protein_coding	${\tt chr1}$	6128838	6129069	_	1
##	7625	protein_coding	chr1	6128838	6129069	-	1
##	7626	protein_coding	chr1	6128499	6128609	-	1
##	7627	protein_coding	chr1	6128499	6128609	-	1
##	7628	protein_coding	chr1	6128046	6128218	-	1
##	7629	protein_coding	chr1	6128046	6128218	_	1
##	7630	protein_coding	chr1	6126572	6126746	_	1
##	7631	protein_coding	chr1	6126572	6126746	_	1
##	7632	protein_coding	chr1	6125766	6125858	_	1
##	7633	protein_coding	chr1	6125766	6125858	_	1
##	7634	protein_coding	chr1	6125524	6125612	_	1
##	7635	protein_coding	chr1	6125524	6125612	_	1
##	7636	protein_coding		6125100		_	1
##	7637	protein_coding		6125100		_	1
##	7638	protein_coding		6124517		_	1
	7639	protein_coding		6124517		_	1
	7640	protein_coding		6123948		_	1
	7641	protein_coding		6123948		_	1
	7642	protein_coding		6121494		_	1
	7643	protein_coding		6121494		_	1
	7644	protein_coding		6121105		_	1
	7645	protein_coding		6121105		_	1
	7646	protein_coding		6112909		_	1
	7647	protein_coding		6112909		_	1
	7648	protein_coding		6112140		_	1
	7649	protein_coding		6112140		_	1
	7650	protein_coding		6111775	·	_	1
	7651	protein_coding		6111775		_	1
	7652	protein_coding		6110394		_	1
	7653	protein_coding		6110394		_	1
	7654			6109795		_	1
	7655	protein_coding		6109795			1
	7656	protein_coding				_	1
	7657	protein_coding		6106616		_	
		protein_coding		6106616		_	1
	7658	protein_coding		6106395		_	1
	7659	protein_coding		6106395		_	1
	7660 7661	protein_coding		6106234		_	1
	7661	protein_coding		6106283		_	1
	7662 7663	protein_coding		6106280		_	1
	7663	protein_coding		6101787		-	1
	7664	protein_coding		6180024		-	1
	7665	protein_coding		6106234		-	1
##	7666	<pre>protein_coding</pre>	cnr1	6101787	010542/	-	1

##	7667	protein_coding	chr1	6159430	6197757	_	0
##	7668	<pre>protein_coding</pre>	chr1	6159430	6197757	_	0
##	7669	<pre>protein_coding</pre>	chr1	6197652	6197757	_	0
##	7670	<pre>protein_coding</pre>	chr1	6197652	6197669	-	0
##	7671	protein_coding	chr1	6197667	6197669	_	0
##	7672	protein_coding	${\tt chr1}$	6192930	6193054	-	0
##	7673	protein_coding	${\tt chr1}$	6192930	6193054	-	0
##	7674	protein_coding	chr1	6181269	6181486	_	0
##	7675	protein_coding	chr1	6181471	6181486	_	0
##	7676	protein_coding	chr1	6181468	6181470	_	0
##	7677	protein_coding	chr1	6168150	6168277	_	0
##	7678	protein_coding	chr1	6159430	6159515	_	0
##	7679	protein_coding	chr1	6197670	6197757	-	0
##	7680	protein_coding	chr1	6181269	6181470	-	0
##	7681	protein_coding	chr1	6168150	6168277	-	0
##	7682	protein_coding	chr1	6159430	6159515	-	0
##	7683	protein_coding	chr1	6185020	6209389	_	1
##	7684	protein_coding	chr1	6185020	6199595	_	1
##	7685	protein_coding	chr1	6199562	6199595	_	1
##	7686	protein_coding	chr1	6199562	6199573	_	1
##	7687	protein_coding	chr1	6199571	6199573	_	1
##	7688	protein_coding	chr1	6197652	6197756	_	1
##	7689	protein_coding	chr1	6197652	6197756	_	1
##	7690	protein_coding	chr1	6192930	6193054	_	1
##	7691	protein_coding	chr1	6192930	6193054	_	1
##	7692	protein_coding	chr1	6185020	6186816	_	1
##	7693	protein_coding		6186675		_	1
##	7694	protein_coding		6186672		_	1
##	7695	protein_coding		6199574		_	1
##	7696	protein_coding		6185020		_	1
##	7697	protein_coding		6186615		_	1
##	7698	protein_coding		6200489		_	1
##	7699	protein_coding		6197652		_	1
##	7700	protein_coding	chr1	6197652	6197669	_	1
##	7701	protein_coding		6197667		_	1
	7702	protein_coding		6192930		_	1
##	7703	protein_coding		6192930		_	1
	7704	protein_coding		6186615		_	1
	7705	protein_coding		6186675		_	1
	7706	protein_coding		6186672		_	1
	7707	protein_coding		6200489		_	1
	7708	protein_coding		6197670		_	1
	7709	protein_coding		6186615		_	1
	7710	lncRNA		6204840		_	0
	7711	lncRNA		6204840		_	0
	7712	lncRNA		6205754		_	0
	7713	lncRNA		6205206		_	0
	7714	lncRNA		6204840		_	0
	7715	protein_coding		6205475		+	1
	7716	protein_coding		6206119		+	1
	7717	protein_coding		6206119		+	1
	7718	protein_coding		6206536		+	1
	7719	protein_coding		6206536		+	1
	7720	protein_coding		6206536		+	1
π <b>π</b>		Lrogorn-couring	O111 1	5255550	520000	•	_

	7721	<pre>protein_coding</pre>		6207379		+	1
	7722	<pre>protein_coding</pre>		6207379		+	1
	7723	<pre>protein_coding</pre>		6208881		+	1
	7724	<pre>protein_coding</pre>		6208881		+	1
##	7725	<pre>protein_coding</pre>	chr1	6209115	6209196	+	1
##	7726	protein_coding	chr1	6209115	6209196	+	1
##	7727	protein_coding	${\tt chr1}$	6209268	6209343	+	1
##	7728	protein_coding	chr1	6209268	6209343	+	1
##	7729	protein_coding	chr1	6209414	6209539	+	1
##	7730	protein_coding	chr1	6209414	6209539	+	1
##	7731	protein_coding	chr1	6209924	6209970	+	1
##	7732	protein_coding	chr1	6209924	6209970	+	1
##	7733	protein_coding		6210223		+	1
##	7734	protein_coding		6210223		+	1
	7735	protein_coding		6210370		+	1
	7736	protein_coding		6210370		+	1
	7737	protein_coding		6210870		+	1
	7738	protein_coding		6210870		+	1
	7739	protein_coding		6211021		+	1
	7740	protein_coding		6211021		+	1
	7741	protein_coding		6211867		+	1
	7742	protein_coding		6211867		+	1
	7743	-		6212231		+	1
	7744	protein_coding		6212231		+	1
	7745	protein_coding		6212682		+	1
	7746	protein_coding		6212682		+	1
	7747	protein_coding		6213066		+	1
		protein_coding					
	7748	protein_coding		6213066		+	1
	7749	protein_coding		6218289		+	1
	7750	protein_coding		6218289		+	1
	7751	protein_coding		6219236		+	1
	7752	protein_coding		6219236		+	1
	7753	protein_coding		6219405		+	1
	7754	protein_coding		6206119		+	1
	7755	protein_coding		6219405		+	1
	7756	protein_coding		6221193		-	1
##	7757	protein_coding		6221193		-	1
	7758	<pre>protein_coding</pre>		6235717		-	1
	7759	<pre>protein_coding</pre>		6235717		_	1
	7760	<pre>protein_coding</pre>		6235909		_	1
	7761	<pre>protein_coding</pre>		6234886		-	1
##	7762	<pre>protein_coding</pre>		6234886		-	1
	7763	<pre>protein_coding</pre>		6233474		-	1
##	7764	<pre>protein_coding</pre>	chr1	6233474	6233643	-	1
##	7765	<pre>protein_coding</pre>		6231902		-	1
	7766	<pre>protein_coding</pre>	chr1	6231902	6232119	-	1
##	7767	<pre>protein_coding</pre>	chr1	6221193	6225262	-	1
##	7768	<pre>protein_coding</pre>	chr1	6225083	6225262	-	1
##	7769	<pre>protein_coding</pre>	${\tt chr1}$	6225080	6225082	-	1
##	7770	protein_coding	${\tt chr1}$	6235912	6235964	-	1
##	7771	protein_coding	chr1	6221193	6225082	_	1
##	7772	lncRNA	${\tt chr1}$	6234692	6239444	+	1
##	7773	lncRNA	chr1	6234692	6239408	+	1
##	7774	lncRNA	chr1	6234692	6235063	+	1

	7775	7 7314	1 4	6007045	6007045		
	7775	lncRNA		6237245		+	1
	7776	lncRNA		6237470		+	1
	7777	lncRNA		6238221		+	1
	7778	${\tt lncRNA}$		6236240		+	1
##	7779	${\tt lncRNA}$	chr1	6236240	6236336	+	1
##	7780	${\tt lncRNA}$	chr1	6236966	6237150	+	1
##	7781	${\tt lncRNA}$	chr1	6237245	6237345	+	1
##	7782	${\tt lncRNA}$	chr1	6237814	6237848	+	1
##	7783	${\tt lncRNA}$	chr1	6238221	6238940	+	1
##	7784	protein_coding	chr1	6244192	6245578	+	1
##	7785	protein_coding		6244192		+	1
	7786	protein_coding		6244192		+	1
	7787	protein_coding		6244351		+	1
	7788	protein_coding		6244366		+	1
	7789	protein_coding		6244366		+	1
	7790	-		6244548		+	1
		protein_coding		6244548			
	7791	protein_coding				+	1
	7792	protein_coding		6245110		+	1
	7793	protein_coding		6245110		+	1
	7794	protein_coding		6245505		+	1
	7795	<pre>protein_coding</pre>		6244192		+	1
	7796	<pre>protein_coding</pre>		6244351		+	1
##	7797	<pre>protein_coding</pre>		6245505		+	1
##	7798	<pre>protein_coding</pre>	chr1	6247353	6261098	-	1
##	7799	<pre>protein_coding</pre>	chr1	6247353	6261098	-	1
##	7800	<pre>protein_coding</pre>	chr1	6260825	6261098	-	1
##	7801	<pre>protein_coding</pre>	chr1	6254550	6255014	-	1
##	7802	<pre>protein_coding</pre>	chr1	6254550	6254905	-	1
##	7803	protein_coding	chr1	6254903	6254905	-	1
##	7804	protein_coding	chr1	6253718	6254147	_	1
##	7805	protein_coding	chr1	6253718	6254147	-	1
##	7806	protein_coding	chr1	6251338	6251530	-	1
##	7807	protein_coding	chr1	6251338	6251530	_	1
##	7808	protein_coding		6250440		_	1
##	7809	protein_coding		6250440		_	1
	7810	protein_coding		6247353		_	1
	7811	protein_coding		6249341		_	1
	7812	protein_coding		6249338		_	1
	7813	protein_coding		6260825		_	1
	7814	protein_coding protein_coding		6254906		_	1
	7815	_		6247353		_	1
		protein_coding				_	
	7816	protein_coding		6264269		_	1
	7817	protein_coding		6264269		_	1
	7818	protein_coding		6393257		_	1
	7819	protein_coding		6393257		_	1
	7820	protein_coding		6393301		-	1
	7821	protein_coding		6349749		-	1
	7822	<pre>protein_coding</pre>		6349749		-	1
	7823	<pre>protein_coding</pre>		6339433		-	1
	7824	<pre>protein_coding</pre>		6339433		-	1
	7825	<pre>protein_coding</pre>		6333477		-	1
##	7826	<pre>protein_coding</pre>	chr1	6333477	6333568	-	1
##	7827	<pre>protein_coding</pre>		6327299		-	1
##	7828	<pre>protein_coding</pre>	chr1	6327299	6327413	-	1

##	7829	<pre>protein_coding</pre>	chr1	6318492	6318578	-	1
##	7830	<pre>protein_coding</pre>	chr1	6318492	6318578	-	1
##	7831	protein_coding	chr1	6294864	6294980	-	1
##	7832	protein_coding	chr1	6294864	6294980	_	1
##	7833	protein_coding	chr1	6281102	6281286	_	1
##	7834	protein_coding	chr1	6281102	6281286	_	1
##	7835	protein_coding	chr1	6264269	6264695	_	1
##	7836	protein_coding		6264600		_	1
##	7837	protein_coding		6264597		_	1
	7838	protein_coding		6393304		_	1
	7839	protein_coding		6264269		_	1
	7840	protein_coding		6264273		_	1
	7841	protein_coding		6358826		_	1
	7842	protein_coding		6358826		_	1
	7843	protein_coding		6358843		_	1
	7844	protein_coding		6349749		_	1
	7845	-		6349749		_	1
	7846	protein_coding		6339433			1
	7847	protein_coding		6339433		_	1
	7848	protein_coding		6333477		_	1
	7849	protein_coding				_	
		protein_coding		6333477 6327299		_	1
	7850	protein_coding				_	1
	7851	protein_coding		6327299		_	1
	7852	protein_coding		6318492		_	1
	7853	protein_coding		6318492		_	1
	7854	protein_coding		6294864		_	1
	7855	protein_coding		6294864		_	1
	7856	protein_coding		6281102		_	1
	7857	<pre>protein_coding</pre>		6281102		-	1
	7858	<pre>protein_coding</pre>		6264273		_	1
	7859	<pre>protein_coding</pre>		6264600		-	1
##	7860	<pre>protein_coding</pre>		6264597		-	1
	7861	<pre>protein_coding</pre>		6358846		-	1
##	7862	<pre>protein_coding</pre>	chr1	6264273	6264599	-	1
##	7863	<pre>protein_coding</pre>		6264273		_	1
##	7864	<pre>protein_coding</pre>	chr1	6360570	6360707	_	1
##	7865	<pre>protein_coding</pre>	chr1	6360570	6360652	-	1
##	7866	<pre>protein_coding</pre>	chr1	6360650	6360652	-	1
##	7867	<pre>protein_coding</pre>	chr1	6349749	6349866	-	1
##	7868	protein_coding	chr1	6349749	6349866	-	1
##	7869	protein_coding	chr1	6339433	6339589	-	1
##	7870	protein_coding	chr1	6339433	6339589	_	1
##	7871	protein_coding	chr1	6333477	6333568	-	1
##	7872	protein_coding	chr1	6333477	6333568	_	1
##	7873	protein_coding	chr1	6327299	6327413	-	1
##	7874	protein_coding	chr1	6327299	6327413	-	1
##	7875	protein_coding	chr1	6318492	6318578	-	1
##	7876	protein_coding		6318492		_	1
##	7877	protein_coding		6294864		-	1
##	7878	protein_coding		6294864		-	1
	7879	protein_coding		6281102		_	1
	7880	protein_coding		6281102		_	1
	7881	protein_coding		6264273		_	1
	7882	protein_coding		6264600		_	1
		_ = = =================================					_

##	7883	<pre>protein_coding</pre>	chr1	6264597	6264599	_	1
##	7884	<pre>protein_coding</pre>	chr1	6360653	6360707	-	1
##	7885	protein_coding	${\tt chr1}$	6264273	6264599	_	1
##	7886	protein_coding	${\tt chr1}$	6264273	6385813	_	1
##	7887	protein_coding	chr1	6385494	6385813	_	1
##	7888	protein_coding	chr1	6385494	6385666	_	1
##	7889	protein_coding	chr1	6385664	6385666	_	1
##	7890	protein_coding		6349749		_	1
##	7891	protein_coding		6349749		_	1
	7892	protein_coding		6339433		_	1
	7893	protein_coding		6339433		_	1
	7894	protein_coding		6333477		_	1
	7895	protein_coding		6333477		_	1
	7896	protein_coding		6327299		_	1
	7897	protein_coding		6327299		_	1
	7898	protein_coding		6318492		_	1
	7899	-		6318492		_	1
	7900	protein_coding		6294864		_	1
	7900	protein_coding		6294864		_	1
	7902	protein_coding		6281102		_	1
	7902	protein_coding				_	
		protein_coding		6281102		_	1
	7904	protein_coding		6264273		_	1
	7905	protein_coding		6264600		_	1
	7906	protein_coding		6264597		_	1
	7907	protein_coding		6385667		_	1
	7908	protein_coding		6264273		_	1
	7909	protein_coding		6264273		_	1
	7910	protein_coding		6393257		_	1
	7911	<pre>protein_coding</pre>		6393257		_	1
	7912	<pre>protein_coding</pre>		6393397		_	1
	7913	<pre>protein_coding</pre>		6349749		_	1
	7914	<pre>protein_coding</pre>		6349749		_	1
	7915	<pre>protein_coding</pre>		6339433		_	1
	7916	<pre>protein_coding</pre>		6339433		_	1
	7917	<pre>protein_coding</pre>		6333477		_	1
	7918	<pre>protein_coding</pre>		6333477		_	1
##	7919	<pre>protein_coding</pre>	chr1	6327299	6327413	_	1
##	7920	<pre>protein_coding</pre>	chr1	6327299	6327413	_	1
##	7921	<pre>protein_coding</pre>	chr1	6318492	6318578	_	1
##	7922	protein_coding	chr1	6318492	6318578	_	1
##	7923	protein_coding	${\tt chr1}$	6294864	6294980	_	1
##	7924	protein_coding	${\tt chr1}$	6294864	6294980	_	1
##	7925	protein_coding	${\tt chr1}$	6281102	6281286	_	1
##	7926	protein_coding	chr1	6281102	6281286	_	1
##	7927	protein_coding	chr1	6264273	6264695	_	1
##	7928	protein_coding	chr1	6264600	6264695	_	1
##	7929	protein_coding	chr1	6264597	6264599	-	1
##	7930	protein_coding		6393400		-	1
##	7931	protein_coding		6264273		_	1
##	7932	protein_coding		6264273		_	1
	7933	protein_coding		6393257		_	1
	7934	protein_coding		6393257		-	1
	7935	protein_coding		6393397		_	1
	7936	protein_coding		6349749		_	1
		_ = = =================================					_

##	7937	<pre>protein_coding</pre>	chr1	6349749	6349866	-	1
##	7938	<pre>protein_coding</pre>	chr1	6339433	6339589	-	1
##	7939	protein_coding	${\tt chr1}$	6339433	6339589	-	1
##	7940	protein_coding	${\tt chr1}$	6333477	6333568	-	1
##	7941	protein_coding	chr1	6333477	6333568	-	1
##	7942	protein_coding	chr1	6327299	6327413	_	1
##	7943	protein_coding	chr1	6327299	6327413	_	1
##	7944	protein_coding		6318492		_	1
##	7945	protein_coding		6318492		_	1
	7946	protein_coding		6294864		_	1
	7947	protein_coding		6294864		_	1
	7948	protein_coding		6281102		_	1
	7949	protein_coding		6281102		_	1
	7950	protein_coding		6264273		_	1
	7951	protein_coding		6264600		_	1
	7952	protein_coding		6264597		_	1
	7953	protein_coding		6393400		_	1
	7954	protein_coding		6264273		_	1
	7955	lncRNA		6393555		+	0
	7956	lncRNA		6393555		+	0
	7957	lncRNA		6393555		+	0
	7958			6412418		_	1
	7959	protein_coding		6412418		_	1
	7960	protein_coding				_	
		protein_coding		6424478 6419776		_	1
	7961	protein_coding				_	1
	7962	protein_coding		6419776		_	1
	7963	protein_coding		6419818		_	1
	7964	protein_coding		6419607		-	1
	7965	protein_coding		6419607		_	1
	7966	protein_coding		6412418		-	1
	7967	protein_coding		6413196		-	1
	7968	protein_coding		6413193		_	1
	7969	<pre>protein_coding</pre>		6424478		-	1
	7970	<pre>protein_coding</pre>		6419821		-	1
	7971	<pre>protein_coding</pre>		6412418		-	1
	7972	<pre>protein_coding</pre>		6413000		-	1
##	7973	<pre>protein_coding</pre>	chr1	6419776	6419903	-	1
##	7974	<pre>protein_coding</pre>	chr1	6419776	6419820	-	1
##	7975	<pre>protein_coding</pre>	chr1	6419818	6419820	-	1
##	7976	<pre>protein_coding</pre>	chr1	6419607	6419702	-	1
##	7977	<pre>protein_coding</pre>	chr1	6419607	6419702	-	1
##	7978	<pre>protein_coding</pre>	chr1	6413000	6413282	-	1
##	7979	protein_coding	chr1	6413196	6413282	-	1
##	7980	protein_coding	${\tt chr1}$	6413193	6413195	-	1
##	7981	protein_coding	${\tt chr1}$	6419821	6419903	-	1
##	7982	protein_coding	chr1	6413000	6413195	-	1
##	7983	protein_coding	${\tt chr1}$	6415232	6419919	-	1
##	7984	protein_coding	chr1	6419776	6419919	-	1
##	7985	protein_coding	chr1	6419776	6419820	-	1
##	7986	protein_coding	chr1	6419818	6419820	-	1
##	7987	protein_coding		6419607		-	1
##	7988	protein_coding		6419607		-	1
##	7989	protein_coding		6419241		_	1
##	7990	protein_coding		6419241		_	1
		0					

##	7991	<pre>protein_coding</pre>	chr1	6415232	6419153	-	1
##	7992	<pre>protein_coding</pre>	chr1	6418876	6419153	-	1
##	7993	protein_coding	chr1	6418873	6418875	-	1
##	7994	protein_coding	chr1	6419821	6419919	-	1
##	7995	protein_coding	chr1	6415232	6418875	_	1
##	7996	protein_coding	chr1	6418414	6419907	_	1
##	7997	protein_coding	chr1	6419776	6419907	_	1
##	7998	protein_coding		6419776		_	1
##	7999	protein_coding		6419818		_	1
	8000	protein_coding		6419607		_	1
	8001	protein_coding		6419607		_	1
	8002	protein_coding		6418414		_	1
	8003	protein_coding		6419064		_	1
	8004	protein_coding		6419061		_	1
	8005	protein_coding		6419821		_	1
	8006	protein_coding		6418414		_	1
	8007	protein_coding		6418849		_	1
	8008	-		6419776			1
	8009	protein_coding		6419776		_	1
		protein_coding				_	
	8010	protein_coding		6419818		_	1
	8011	protein_coding		6419607		_	1
	8012	protein_coding		6419607		_	1
	8013	protein_coding		6418849		-	1
	8014	protein_coding		6419236		_	1
	8015	protein_coding		6419233		-	1
	8016	protein_coding		6419821		-	1
	8017	<pre>protein_coding</pre>		6418849		-	1
	8018	<pre>protein_coding</pre>		6424776		+	1
	8019	<pre>protein_coding</pre>		6424776		+	1
	8020	<pre>protein_coding</pre>		6424776		+	1
	8021	<pre>protein_coding</pre>		6424956		+	1
##	8022	<pre>protein_coding</pre>		6424956		+	1
##	8023	<pre>protein_coding</pre>	chr1	6428226	6428419	+	1
##	8024	<pre>protein_coding</pre>	chr1	6428226	6428419	+	1
##	8025	<pre>protein_coding</pre>	chr1	6440254	6440440	+	1
##	8026	protein_coding	chr1	6440254	6440440	+	1
##	8027	protein_coding	chr1	6440626	6440808	+	1
##	8028	protein_coding	chr1	6440626	6440808	+	1
##	8029	protein_coding	chr1	6440934	6441065	+	1
##	8030	protein_coding	chr1	6440934	6441065	+	1
##	8031	protein_coding	chr1	6444481	6444682	+	1
##	8032	protein_coding	chr1	6444481	6444682	+	1
##	8033	protein_coding	chr1	6445664	6445935	+	1
	8034	protein_coding	chr1	6445664	6445935	+	1
##	8035	protein_coding	chr1	6448641	6449091	+	1
##	8036	protein_coding	chr1	6448641	6449091	+	1
	8037	protein_coding		6451603		+	1
	8038	protein_coding		6451603		+	1
	8039	protein_coding		6451833		+	1
	8040	protein_coding		6451833		+	1
	8041	protein_coding		6457184		+	1
	8042	protein_coding		6457184		+	1
	8043	protein_coding		6457361		+	1
	8044	protein_coding		6457361		+	1
π <b>π</b>	JJ 11	brosein-coaring	O111 1	5 10 1001	0101012	•	1

##	8045	<pre>protein_coding</pre>	chr1	6459999	6460944	+	1
##	8046	<pre>protein_coding</pre>	chr1	6459999	6460143	+	1
##	8047	protein_coding	chr1	6460144	6460146	+	1
##	8048	protein_coding	chr1	6424776	6424955	+	1
##	8049	protein_coding	chr1	6460144	6460944	+	1
##	8050	protein_coding	chr1	6424788	6456671	+	1
##	8051	protein_coding	chr1	6424788	6425249	+	1
##	8052	protein_coding	chr1	6424956	6425249	+	1
##	8053	protein_coding	chr1	6424956	6424958	+	1
	8054	protein_coding		6428226		+	1
	8055	protein_coding		6428226		+	1
	8056	protein_coding		6440254		+	1
	8057	protein_coding		6440254		+	1
	8058	protein_coding		6440626		+	1
	8059	protein_coding		6440626		+	1
	8060	protein_coding		6440934		+	1
	8061	-		6440934		+	1
	8062	protein_coding		6444481		+	1
	8063	protein_coding		6444481		+	1
	8064	protein_coding		6445664			
	8065	protein_coding				+	1
		protein_coding		6445664		+	1
	8066	protein_coding		6448641		+	1
	8067	protein_coding		6448641		+	1
	8068	protein_coding		6451603		+	1
	8069	protein_coding		6451603		+	1
	8070	protein_coding		6451833		+	1
	8071	<pre>protein_coding</pre>		6451833		+	1
	8072	<pre>protein_coding</pre>		6454434		+	1
	8073	<pre>protein_coding</pre>		6454434		+	1
	8074	<pre>protein_coding</pre>		6456195		+	1
##	8075	<pre>protein_coding</pre>	chr1	6424788	6424955	+	1
##	8076	<pre>protein_coding</pre>		6456195		+	1
##	8077	<pre>protein_coding</pre>	chr1	6448043	6460398	+	1
##	8078	protein_coding	chr1	6448043	6448117	+	1
##	8079	protein_coding	chr1	6448641	6448802	+	1
##	8080	protein_coding	chr1	6448785	6448802	+	1
##	8081	protein_coding	chr1	6448785	6448787	+	1
##	8082	protein_coding	chr1	6448893	6449091	+	1
##	8083	protein_coding	chr1	6448893	6449091	+	1
##	8084	protein_coding	chr1	6451603	6451748	+	1
##	8085	protein_coding	chr1	6451603	6451748	+	1
##	8086	protein_coding	chr1	6451833	6452096	+	1
	8087	protein_coding		6451833		+	1
	8088	protein_coding		6457184		+	1
	8089	protein_coding		6457184		+	1
	8090	protein_coding		6457266		+	1
	8091	protein_coding		6457266		+	1
	8092	protein_coding		6459997		+	1
	8093	protein_coding		6459997		+	1
	8094	protein_coding		6460144		+	1
	8095	protein_coding		6448043		+	1
	8096	protein_coding		6448641		+	1
	8097	protein_coding		6460144		+	1
	8098	protein_coding protein_coding		6448043		+	1
##	0000	broceru-cogring	CIII I	0440043	UTUUJJ	•	1

##	8099	protein_coding	chr1	6448043	6448117	+	1
##	8100	protein_coding	${\tt chr1}$	6448641	6448802	+	1
##	8101	protein_coding	chr1	6448785	6448802	+	1
##	8102	protein_coding	${\tt chr1}$	6448785	6448787	+	1
##	8103	protein_coding	chr1	6448893	6449091	+	1
##	8104	protein_coding	chr1	6448893	6449091	+	1
##	8105	protein_coding	chr1	6451603	6451748	+	1
##	8106	protein_coding	chr1	6451603	6451748	+	1
##	8107	protein_coding	${\tt chr1}$	6451833	6452096	+	1
##	8108	protein_coding	${\tt chr1}$	6451833	6452096	+	1
##	8109	<pre>protein_coding</pre>	chr1	6457184	6457263	+	1
##	8110	<pre>protein_coding</pre>	chr1	6457184	6457263	+	1
##	8111	<pre>protein_coding</pre>	chr1	6457361	6457372	+	1
##	8112	protein_coding	${\tt chr1}$	6457361	6457372	+	1
##	8113	protein_coding	${\tt chr1}$	6459999	6460399	+	1
##	8114	protein_coding	${\tt chr1}$	6459999	6460143	+	1
##	8115	protein_coding	${\tt chr1}$	6460144	6460146	+	1
##	8116	protein_coding	${\tt chr1}$	6448043	6448117	+	1
##	8117	protein_coding	${\tt chr1}$	6448641	6448784	+	1
##	8118	protein_coding	${\tt chr1}$	6460144	6460399	+	1
##	8119	miRNA	${\tt chr1}$	6429834	6429896	_	1
##	8120	miRNA	${\tt chr1}$	6429834	6429896	_	1
##	8121	miRNA	${\tt chr1}$	6429834	6429896	_	1
##	8122	${\tt lncRNA}$		6443034		_	0
##	8123	lncRNA	chr1	6443034	6447006	_	0
##	8124	${\tt lncRNA}$	chr1	6446912	6447006	_	0
##	8125	${\tt lncRNA}$	chr1	6445562	6445681	_	0
##	8126	lncRNA		6443034		-	0
	8127	<pre>protein_coding</pre>		6460786		_	1
	8128	<pre>protein_coding</pre>		6461151		_	1
	8129	<pre>protein_coding</pre>		6466069		_	1
	8130	<pre>protein_coding</pre>		6466069		_	1
	8131	protein_coding		6466105		-	1
	8132	<pre>protein_coding</pre>		6465440		-	1
	8133	protein_coding		6465440		-	1
	8134	protein_coding		6465088		_	1
	8135	protein_coding		6465088		_	1
	8136	protein_coding		6464552		_	1
	8137	protein_coding		6464552		_	1
	8138	protein_coding		6464375		_	1
	8139	protein_coding		6464375		_	1
	8140	protein_coding		6463065		_	1
	8141	protein_coding		6463065		_	1
	8142	protein_coding		6462863		_	1
	8143	protein_coding		6462863		_	1
	8144	protein_coding		6462629		_	1
	8145	protein_coding		6462629		_	1
	8146	protein_coding		6461994		_	1
	8147	protein_coding		6461994		_	1
	8148	protein_coding		6461151		_	1
	8149	protein_coding		6461437		_	1
	8150	protein_coding		6461434		_	1
	8151	protein_coding		6466108		_	1
##	8152	<pre>protein_coding</pre>	cnrl	6461151	0401436	_	1

##	8153	<pre>protein_coding</pre>	chr1	6461151	6466195	-	1
##	8154	protein_coding	chr1	6466069	6466195	-	1
##	8155	protein_coding	chr1	6466069	6466107	-	1
##	8156	protein_coding	chr1	6466105	6466107	-	1
##	8157	protein_coding	chr1	6465440	6465560	-	1
##	8158	protein_coding	chr1	6465440	6465560	_	1
##	8159	protein_coding	chr1	6465088	6465222	-	1
##	8160	protein_coding		6465088		_	1
##	8161	protein_coding		6464552		_	1
	8162	protein_coding		6464552		_	1
	8163	protein_coding		6464375		_	1
	8164	protein_coding		6464375		_	1
	8165	protein_coding		6463072		_	1
	8166	protein_coding		6463072		_	1
	8167	protein_coding		6462863		_	1
	8168	protein_coding		6462863		_	1
	8169	protein_coding		6462629		_	1
	8170	protein_coding		6462629		_	1
	8171	protein_coding		6461994		_	1
	8172			6461994		_	1
	8173	protein_coding		6461151			1
	8174	protein_coding		6461437			1
	8175	protein_coding		6461434		_	
		protein_coding				_	1
	8176	protein_coding		6466108		_	1
	8177	protein_coding		6461151		_	1
	8178	protein_coding		6461204		-	1
	8179	protein_coding		6466069		-	1
	8180	protein_coding		6466069		_	1
	8181	protein_coding		6466105		-	1
	8182	protein_coding		6465440		-	1
	8183	protein_coding		6465440		-	1
	8184	protein_coding		6465088		-	1
	8185	<pre>protein_coding</pre>		6465088		-	1
	8186	<pre>protein_coding</pre>		6464552		-	1
	8187	<pre>protein_coding</pre>		6464552		-	1
	8188	<pre>protein_coding</pre>		6464375		-	1
##	8189	<pre>protein_coding</pre>		6464375		-	1
##	8190	<pre>protein_coding</pre>		6463072		-	1
	8191	<pre>protein_coding</pre>	chr1	6463072	6463127	-	1
##	8192	<pre>protein_coding</pre>	chr1	6462629	6462663	-	1
##	8193	<pre>protein_coding</pre>	chr1	6462629	6462663	-	1
##	8194	<pre>protein_coding</pre>	chr1	6461994	6462174	-	1
##	8195	protein_coding	chr1	6461994	6462174	-	1
##	8196	<pre>protein_coding</pre>	chr1	6461204	6461762	-	1
##	8197	protein_coding	chr1	6461437	6461762	-	1
##	8198	protein_coding	chr1	6461434	6461436	-	1
##	8199	protein_coding	chr1	6466108	6466175	-	1
##	8200	protein_coding	chr1	6461204	6461436	-	1
##	8201	protein_coding	chr1	6461434	6466107	-	1
##	8202	protein_coding	chr1	6466069	6466107	-	1
##	8203	protein_coding	chr1	6466069	6466107	-	1
##	8204	protein_coding	chr1	6466105	6466107	-	1
##	8205	protein_coding		6465440		-	1
##	8206	protein_coding		6465440		_	1

##	8207	protein_coding		6462629		_	1
##	8208	protein_coding	chr1	6462629	6462663	-	1
##	8209	<pre>protein_coding</pre>	chr1	6461994	6462174	-	1
##	8210	<pre>protein_coding</pre>	chr1	6461994	6462174	_	1
##	8211	protein_coding	chr1	6461434	6461762	-	1
##	8212	protein_coding	chr1	6461437	6461762	_	1
##	8213	protein_coding	chr1	6461434	6461436	-	1
##	8214	protein_coding	chr1	6461434	6461436	-	1
##	8215	protein_coding	chr1	6461434	6466107	_	1
##	8216	protein_coding	chr1	6466069	6466107	_	1
##	8217	protein_coding	chr1	6466069	6466107	_	1
##	8218	protein_coding	chr1	6466105	6466107	_	1
##	8219	protein_coding		6465440		_	1
##	8220	protein_coding		6465440		_	1
##	8221	protein_coding		6464552		_	1
	8222	protein_coding		6464552		_	1
	8223	protein_coding		6464375		_	1
	8224	protein_coding		6464375		_	1
	8225	protein_coding		6463072		_	1
	8226	protein_coding		6463072		_	1
	8227	protein_coding		6462863		_	1
	8228	protein_coding		6462863		_	1
	8229	protein_coding		6462629		_	1
	8230	protein_coding		6462629		_	1
	8231	protein_coding		6461994		_	1
	8232	-		6461994		_	1
	8233	protein_coding		6461434		_	1
	8234	protein_coding		6461437		_	1
	8235	protein_coding				_	
		protein_coding		6461434		_	1
	8236	protein_coding		6461434		_	1
	8237	protein_coding		6466092		_	1
	8238	protein_coding		6466092		_	1
	8239	protein_coding		6485324		-	1
	8240	protein_coding		6485324		_	1
	8241	protein_coding		6485441		_	1
	8242	protein_coding		6477529		_	1
	8243	protein_coding		6477529		-	1
	8244	protein_coding		6475931		-	1
	8245	<pre>protein_coding</pre>		6475931		-	1
	8246	<pre>protein_coding</pre>		6475462		-	1
	8247	<pre>protein_coding</pre>		6475462		_	1
	8248	<pre>protein_coding</pre>		6475047		_	1
	8249	<pre>protein_coding</pre>		6475047		-	1
	8250	<pre>protein_coding</pre>		6474451		-	1
##	8251	<pre>protein_coding</pre>	chr1	6474451	6474587	-	1
	8252	<pre>protein_coding</pre>		6474013		-	1
	8253	<pre>protein_coding</pre>		6474013		-	1
	8254	<pre>protein_coding</pre>		6473251		-	1
##	8255	<pre>protein_coding</pre>		6473251		-	1
##	8256	<pre>protein_coding</pre>		6472986		-	1
##	8257	<pre>protein_coding</pre>	chr1	6472986	6473174	-	1
##	8258	<pre>protein_coding</pre>	chr1	6472527	6472622	-	1
##	8259	<pre>protein_coding</pre>	chr1	6472527	6472622	-	1
##	8260	<pre>protein_coding</pre>	chr1	6471758	6471808	-	1

	8261	<pre>protein_coding</pre>		6471758		-	1
	8262	<pre>protein_coding</pre>		6471488		-	1
	8263	<pre>protein_coding</pre>		6471488		-	1
##	8264	<pre>protein_coding</pre>		6470990		-	1
	8265	<pre>protein_coding</pre>		6470990		-	1
	8266	<pre>protein_coding</pre>	chr1	6470735	6470884	-	1
	8267	<pre>protein_coding</pre>	chr1	6470735	6470884	-	1
##	8268	<pre>protein_coding</pre>	chr1	6470506	6470643	-	1
##	8269	<pre>protein_coding</pre>		6470506		-	1
##	8270	<pre>protein_coding</pre>	chr1	6470236	6470355	-	1
##	8271	<pre>protein_coding</pre>	chr1	6470236	6470355	-	1
##	8272	<pre>protein_coding</pre>	chr1	6469544	6469676	-	1
##	8273	<pre>protein_coding</pre>	chr1	6469544	6469676	-	1
##	8274	protein_coding	chr1	6469335	6469450	-	1
##	8275	protein_coding	chr1	6469335	6469450	-	1
##	8276	protein_coding	chr1	6469042	6469241	-	1
##	8277	protein_coding	chr1	6469042	6469241	-	1
##	8278	protein_coding	chr1	6467825	6468586	-	1
##	8279	protein_coding	chr1	6467825	6468586	-	1
##	8280	protein_coding	chr1	6466092	6467572	-	1
##	8281	protein_coding	chr1	6467566	6467572	-	1
##	8282	protein_coding	chr1	6467563	6467565	-	1
##	8283	protein_coding	chr1	6485444	6485469	-	1
##	8284	protein_coding	chr1	6466092	6467565	_	1
##	8285	protein_coding	chr1	6466092	6485954	_	1
##	8286	protein_coding	chr1	6485836	6485954	_	1
##	8287	protein_coding		6477529		_	1
##	8288	protein_coding	chr1	6477529	6477571	-	1
##	8289	protein_coding	chr1	6477569	6477571	_	1
##	8290	protein_coding	chr1	6475931	6476036	_	1
##	8291	protein_coding	chr1	6475931	6476036	_	1
	8292	protein_coding		6475462		_	1
	8293	protein_coding		6475462		_	1
	8294	protein_coding		6475047		_	1
	8295	protein_coding		6475047		_	1
	8296	protein_coding		6474451		_	1
	8297	protein_coding		6474451		_	1
	8298	protein_coding		6474013		_	1
	8299	protein_coding		6474013		_	1
	8300	protein_coding		6473251		_	1
	8301	protein_coding		6473251		_	1
	8302	protein_coding		6472986		_	1
	8303	protein_coding		6472986		_	1
	8304	protein_coding		6472527		_	1
	8305	protein_coding		6472527		_	1
	8306	-		6471758		_	1
	8307	protein_coding		6471758		_	1
		protein_coding					
	8308 8309	protein_coding		6471488 6471488		_	1
		protein_coding				_	1
	8310	protein_coding		6470990		_	1
	8311	protein_coding		6470990		_	1
	8312	protein_coding		6470735		_	1
	8313	protein_coding		6470735		_	1
##	8314	<pre>protein_coding</pre>	cnrl	6470506	0410043	-	1

##	8315	<pre>protein_coding</pre>	chr1	6470506	6470643	-	1
##	8316	protein_coding	chr1	6470236	6470355	-	1
##	8317	protein_coding	chr1	6470236	6470355	_	1
##	8318	protein_coding	chr1	6469544	6469676	_	1
##	8319	protein_coding	chr1	6469544	6469676	_	1
##	8320	protein_coding	chr1	6469335	6469450	_	1
##	8321	protein_coding	chr1	6469335	6469450	_	1
##	8322	protein_coding		6469042		_	1
##	8323	protein_coding		6469042		_	1
	8324	protein_coding		6467825		_	1
	8325	protein_coding		6467825		_	1
	8326	protein_coding		6466092		_	1
	8327	protein_coding		6467566		_	1
	8328	protein_coding		6467563		_	1
	8329	protein_coding		6485836		_	1
	8330	protein_coding		6477572		_	1
	8331	protein_coding		6466092		_	1
	8332	-		6466092		_	1
	8333	protein_coding		6490445		_	1
	8334	protein_coding				_	
		protein_coding		6477529		_	1
	8335	protein_coding		6477529		_	1
	8336	protein_coding		6477569		_	1
	8337	protein_coding		6475931		_	1
	8338	protein_coding		6475931		_	1
	8339	protein_coding		6475462		-	1
	8340	protein_coding		6475462		-	1
	8341	protein_coding		6475047		-	1
	8342	<pre>protein_coding</pre>		6475047		-	1
	8343	<pre>protein_coding</pre>		6474451		-	1
	8344	<pre>protein_coding</pre>		6474451		-	1
	8345	<pre>protein_coding</pre>		6474013		-	1
	8346	<pre>protein_coding</pre>		6474013		-	1
##	8347	<pre>protein_coding</pre>	chr1	6473251	6473454	-	1
##	8348	<pre>protein_coding</pre>	chr1	6473251	6473454	_	1
##	8349	<pre>protein_coding</pre>	chr1	6472986	6473174	_	1
##	8350	<pre>protein_coding</pre>	chr1	6472986	6473174	_	1
##	8351	<pre>protein_coding</pre>	chr1	6472527	6472622	-	1
##	8352	protein_coding	chr1	6472527	6472622	-	1
##	8353	protein_coding	chr1	6471758	6471808	-	1
##	8354	protein_coding	chr1	6471758	6471808	_	1
##	8355	protein_coding	chr1	6471488	6471637	-	1
##	8356	protein_coding	chr1	6471488	6471637	-	1
##	8357	protein_coding	chr1	6470990	6471100	-	1
##	8358	protein_coding	chr1	6470990	6471100	-	1
##	8359	protein_coding	chr1	6470735	6470884	_	1
##	8360	protein_coding	chr1	6470735	6470884	-	1
##	8361	protein_coding	chr1	6470506	6470643	-	1
	8362	protein_coding		6470506		_	1
	8363	protein_coding		6470236		_	1
	8364	protein_coding		6470236		_	1
	8365	protein_coding		6469544		_	1
	8366	protein_coding		6469544		_	1
	8367	protein_coding		6469335		_	1
	8368	protein_coding		6469335		_	1
		r-3001m_0041m6	J 1	3 100000	2 100 100		-

	8369	<pre>protein_coding</pre>		6469042		-	1
##	8370	protein_coding	chr1	6469042	6469241	_	1
##	8371	<pre>protein_coding</pre>	chr1	6467825	6468586	-	1
##	8372	protein_coding	chr1	6467825	6468586	-	1
##	8373	protein_coding	chr1	6466092	6467572	-	1
##	8374	protein_coding	chr1	6467566	6467572	-	1
##	8375	protein_coding	chr1	6467563	6467565	_	1
##	8376	protein_coding	chr1	6490445	6490580	-	1
##	8377	protein_coding	chr1	6477572	6477658	_	1
##	8378	protein_coding		6466092		_	1
##	8379	protein_coding		6466092		_	1
	8380	protein_coding		6496959		_	1
	8381	protein_coding		6496959		_	1
	8382	protein_coding		6497029		_	1
	8383	protein_coding		6496493		_	1
	8384	protein_coding		6496493		_	1
	8385	protein_coding		6477529		_	1
	8386	protein_coding		6477529		_	1
	8387	protein_coding		6475931		_	1
	8388	protein_coding		6475931		_	1
	8389	=		6475462		_	1
	8390	<pre>protein_coding protein_coding</pre>		6475462		_	1
	8391	protein_coding		6475047		_	1
	8392			6475047		_	1
	8393	protein_coding		6474451		_	1
	8394	protein_coding		6474451		_	
	8395	protein_coding				-	1
		protein_coding		6474013		-	1
	8396	protein_coding		6474013		-	1
	8397	protein_coding		6473251		-	1
	8398	protein_coding		6473251		_	1
	8399	protein_coding		6472986		_	1
	8400	protein_coding		6472986		_	1
	8401	protein_coding		6472527		_	1
	8402	<pre>protein_coding</pre>		6472527		-	1
	8403	<pre>protein_coding</pre>		6471758		_	1
	8404	<pre>protein_coding</pre>		6471758		_	1
	8405	<pre>protein_coding</pre>		6471488		_	1
	8406	<pre>protein_coding</pre>		6471488		-	1
	8407	<pre>protein_coding</pre>		6470990		-	1
##	8408	<pre>protein_coding</pre>	chr1	6470990	6471100	-	1
	8409	<pre>protein_coding</pre>	chr1	6470735	6470884	_	1
##	8410	<pre>protein_coding</pre>	chr1	6470735	6470884	-	1
##	8411	<pre>protein_coding</pre>	chr1	6470506	6470643	-	1
##	8412	<pre>protein_coding</pre>	chr1	6470506	6470643	-	1
##	8413	protein_coding	chr1	6470236	6470355	-	1
##	8414	<pre>protein_coding</pre>	chr1	6470236	6470355	-	1
##	8415	protein_coding	chr1	6469544	6469676	-	1
##	8416	protein_coding	chr1	6469544	6469676	_	1
##	8417	protein_coding	chr1	6469335	6469450	-	1
##	8418	protein_coding	chr1	6469335	6469450	-	1
##	8419	protein_coding	chr1	6469042	6469241	-	1
##	8420	protein_coding	chr1	6469042	6469241	-	1
##	8421	protein_coding		6467825		-	1
##	8422	protein_coding	chr1	6467825	6468586	_	1

##	8423	<pre>protein_coding</pre>		6466092		-	1
##	8424	<pre>protein_coding</pre>	chr1	6467566	6467572	_	1
##	8425	<pre>protein_coding</pre>	chr1	6467563	6467565	-	1
##	8426	protein_coding	chr1	6497032	6497096	-	1
##	8427	protein_coding	chr1	6466092	6467565	-	1
##	8428	protein_coding	chr1	6466092	6520009	-	1
##	8429	protein_coding	chr1	6519445	6520009	-	1
##	8430	protein_coding	chr1	6519445	6519511	_	1
##	8431	protein_coding	chr1	6519509	6519511	_	1
##	8432	protein_coding		6496493		_	1
##	8433	protein_coding		6496493		_	1
	8434	protein_coding		6477529		_	1
	8435	protein_coding		6477529		_	1
	8436	protein_coding		6475931		_	1
	8437	protein_coding		6475931		_	1
	8438	protein_coding		6475462		_	1
	8439	protein_coding		6475462		_	1
	8440	protein_coding		6475047		_	1
	8441	protein_coding		6475047		_	1
	8442	<del>-</del>		6474451		_	1
	8443	protein_coding		6474451		_	1
	8444	protein_coding		6474013		_	1
	8445	protein_coding		6474013		_	1
		protein_coding		6473251		_	
	8446 8447	protein_coding		6473251		_	1
		protein_coding				_	1
	8448	protein_coding		6472986		_	1
	8449	protein_coding		6472986		_	1
	8450	protein_coding		6472527		_	1
	8451	protein_coding		6472527		_	1
	8452	protein_coding		6471758		_	1
	8453	protein_coding		6471758		_	1
	8454	protein_coding		6471488		-	1
	8455	protein_coding		6471488		-	1
	8456	<pre>protein_coding</pre>		6470990		-	1
	8457	<pre>protein_coding</pre>		6470990		_	1
	8458	<pre>protein_coding</pre>		6470735		_	1
	8459	<pre>protein_coding</pre>		6470735		_	1
	8460	<pre>protein_coding</pre>		6470506		_	1
	8461	<pre>protein_coding</pre>		6470506		_	1
	8462	<pre>protein_coding</pre>		6470236		-	1
##	8463	<pre>protein_coding</pre>	chr1	6470236	6470355	-	1
##	8464	<pre>protein_coding</pre>	chr1	6469544	6469676	_	1
##	8465	<pre>protein_coding</pre>	chr1	6469544	6469676	_	1
##	8466	<pre>protein_coding</pre>	chr1	6469335	6469450	_	1
##	8467	<pre>protein_coding</pre>	chr1	6469335	6469450	-	1
##	8468	<pre>protein_coding</pre>	chr1	6469042	6469241	-	1
##	8469	<pre>protein_coding</pre>	chr1	6469042	6469241	-	1
##	8470	protein_coding	chr1	6467825	6468586	-	1
##	8471	protein_coding	chr1	6467825	6468586	_	1
##	8472	protein_coding	chr1	6466092	6467572	_	1
##	8473	protein_coding	chr1	6467566	6467572	_	1
##	8474	protein_coding	chr1	6467563	6467565	_	1
##	8475	protein_coding	chr1	6519512	6520009	_	1
##	8476	protein_coding	chr1	6466092	6467565	-	1
		-					

##	8477	<pre>protein_coding</pre>	chr1	6467122	6490570	-	1
##	8478	<pre>protein_coding</pre>	chr1	6490445	6490570	-	1
##	8479	<pre>protein_coding</pre>	chr1	6477529	6477658	-	1
##	8480	<pre>protein_coding</pre>	chr1	6477529	6477571	-	1
##	8481	protein_coding	chr1	6477569	6477571	-	1
##	8482	protein_coding	${\tt chr1}$	6475931	6476036	-	1
##	8483	protein_coding	chr1	6475931	6476036	-	1
##	8484	protein_coding	chr1	6475462	6475522	-	1
##	8485	protein_coding	chr1	6475462	6475522	-	1
##	8486	protein_coding	chr1	6475047	6475138	-	1
##	8487	protein_coding	chr1	6475047	6475138	-	1
##	8488	protein_coding	chr1	6474451	6474587	-	1
##	8489	protein_coding	chr1	6474451	6474587	-	1
##	8490	protein_coding	chr1	6474013	6474164	-	1
##	8491	protein_coding	chr1	6474013	6474164	-	1
##	8492	protein_coding	chr1	6473251	6473454	_	1
##	8493	protein_coding	chr1	6473251	6473454	_	1
##	8494	protein_coding	chr1	6472986	6473174	_	1
##	8495	protein_coding	chr1	6472986	6473174	_	1
##	8496	protein_coding	chr1	6472527	6472622	-	1
##	8497	protein_coding	chr1	6472527	6472622	_	1
##	8498	protein_coding	chr1	6471758	6471808	_	1
	8499	protein_coding		6471758		_	1
##	8500	protein_coding		6471488		_	1
	8501	protein_coding		6471488		_	1
	8502	protein_coding		6470990		_	1
	8503	protein_coding		6470990		_	1
	8504	protein_coding		6470735		_	1
	8505	protein_coding		6470735		_	1
	8506	protein_coding		6470506		_	1
	8507	protein_coding		6470506		_	1
	8508	protein_coding		6470236		_	1
	8509			6470236		_	1
	8510	protein_coding		6469544		_	1
	8511	protein_coding		6469544		_	1
	8512	protein_coding		6469335		_	1
	8513	protein_coding		6469335		_	1
	8514	protein_coding		6469042		_	-
	8515	protein_coding		6469042		_	1
		protein_coding				_	1
	8516	protein_coding		6468099		_	1
	8517	protein_coding		6468099		_	1
	8518	protein_coding		6467825		-	1
	8519	protein_coding		6467846		-	1
	8520	protein_coding		6467843		-	1
	8521	protein_coding		6467122		-	1
	8522	protein_coding		6490445		_	1
	8523	protein_coding		6477572		_	1
	8524	protein_coding		6467825		-	1
	8525	protein_coding		6467122		-	1
	8526	protein_coding		6467122		-	1
	8527	protein_coding		6491637		-	1
	8528	protein_coding		6477529		-	1
	8529	<pre>protein_coding</pre>		6477529		-	1
##	8530	<pre>protein_coding</pre>	chr1	6477569	6477571	-	1

##	8531	<pre>protein_coding</pre>	chr1	6475931	6476036	-	1
##	8532	protein_coding	chr1	6475931	6476036	-	1
##	8533	protein_coding	chr1	6475462	6475522	-	1
##	8534	protein_coding	chr1	6475462	6475522	-	1
##	8535	protein_coding	chr1	6475047	6475138	-	1
##	8536	protein_coding	chr1	6475047	6475138	_	1
##	8537	protein_coding	chr1	6474451	6474587	_	1
##	8538	protein_coding		6474451		_	1
	8539	protein_coding		6474013		_	1
	8540	protein_coding		6474013		_	1
	8541	protein_coding		6473251		_	1
	8542	protein_coding		6473251		_	1
	8543			6472986		_	1
	8544	protein_coding		6472986			1
		protein_coding				_	
	8545	protein_coding		6472527		_	1
	8546	protein_coding		6472527		_	1
	8547	protein_coding		6471758		_	1
	8548	protein_coding		6471758		-	1
	8549	protein_coding		6471488		-	1
	8550	<pre>protein_coding</pre>		6471488		-	1
	8551	<pre>protein_coding</pre>		6470990		-	1
	8552	<pre>protein_coding</pre>		6470990		-	1
	8553	<pre>protein_coding</pre>		6470735		-	1
##	8554	<pre>protein_coding</pre>		6470735		-	1
##	8555	<pre>protein_coding</pre>	chr1	6470506	6470643	-	1
##	8556	<pre>protein_coding</pre>	chr1	6470506	6470643	-	1
##	8557	<pre>protein_coding</pre>	chr1	6470236	6470355	-	1
##	8558	protein_coding	chr1	6470236	6470355	-	1
##	8559	protein_coding	chr1	6469544	6469676	-	1
##	8560	protein_coding	chr1	6469544	6469676	_	1
##	8561	protein_coding	chr1	6469335	6469450	_	1
##	8562	protein_coding	chr1	6469335	6469450	-	1
##	8563	protein_coding	chr1	6469042	6469241	-	1
##	8564	protein_coding	chr1	6469042	6469241	-	1
##	8565	protein_coding	chr1	6467825	6468586	-	1
##	8566	protein_coding	chr1	6467825	6468586	_	1
##	8567	protein_coding	chr1	6467122	6467572	_	1
##	8568	protein_coding	chr1	6467566	6467572	-	1
##	8569	protein_coding		6467563		-	1
	8570	protein_coding		6491637		_	1
##	8571	protein_coding		6477572		_	1
	8572	protein_coding		6467122		_	1
	8573	protein_coding		6467122		_	1
	8574	protein_coding		6496493		_	1
	8575	protein_coding		6496493		_	1
	8576	protein_coding		6496514		_	1
	8577	protein_coding		6477529		_	1
	8578	protein_coding protein_coding		6477529		_	1
	8579	-		6477529		_	1
		protein_coding				_	
	8580	protein_coding		6475931		_	1
	8581	protein_coding		6475462		_	1
	8582	protein_coding		6475462		_	1
	8583	protein_coding		6475047		_	1
##	8584	protein_coding	cnrl	6475047	04/5138	_	1

##	8585	<pre>protein_coding</pre>	chr1	6474451	6474587	-	1
##	8586	protein_coding	chr1	6474451	6474587	-	1
##	8587	protein_coding	chr1	6474013	6474164	-	1
##	8588	protein_coding	chr1	6474013	6474164	-	1
##	8589	protein_coding	chr1	6473251	6473454	-	1
##	8590	protein_coding	chr1	6473251	6473454	_	1
##	8591	protein_coding	chr1	6472986	6473174	_	1
##	8592	protein_coding	chr1	6472986	6473174	_	1
##	8593	protein_coding	chr1	6472527	6472622	_	1
	8594	protein_coding		6472527		_	1
	8595	protein_coding		6471758		_	1
	8596	protein_coding		6471758		_	1
	8597	protein_coding		6471488		_	1
	8598	protein_coding		6471488		_	1
	8599	protein_coding		6470990		_	1
	8600	protein_coding		6470990		_	1
	8601	protein_coding		6470735		_	1
	8602	-		6470735			1
	8603	protein_coding		6470735		_	1
		protein_coding		6470506		_	
	8604	protein_coding				_	1
	8605	protein_coding		6470236		_	1
	8606	protein_coding		6470236		_	1
	8607	protein_coding		6469544		_	1
	8608	protein_coding		6469544		_	1
	8609	protein_coding		6469335		-	1
	8610	protein_coding		6469335		-	1
	8611	<pre>protein_coding</pre>		6469042		-	1
	8612	<pre>protein_coding</pre>		6469042		-	1
	8613	<pre>protein_coding</pre>		6467825		-	1
	8614	<pre>protein_coding</pre>		6467825		-	1
	8615	<pre>protein_coding</pre>		6467122		-	1
##	8616	<pre>protein_coding</pre>	chr1	6467566	6467572	-	1
##	8617	<pre>protein_coding</pre>	chr1	6467563	6467565	-	1
##	8618	<pre>protein_coding</pre>	chr1	6496517	6496696	-	1
##	8619	<pre>protein_coding</pre>	chr1	6467122	6467565	-	1
##	8620	protein_coding	chr1	6467122	6497390	-	1
##	8621	protein_coding	chr1	6497320	6497390	-	1
##	8622	protein_coding	chr1	6497320	6497323	_	1
##	8623	protein_coding	chr1	6497321	6497323	_	1
##	8624	protein_coding	chr1	6496493	6496569	-	1
##	8625	protein_coding	chr1	6496493	6496569	_	1
##	8626	protein_coding	chr1	6477529	6477658	_	1
##	8627	protein_coding	chr1	6477529	6477658	_	1
##	8628	protein_coding	chr1	6475931	6476036	_	1
##	8629	protein_coding	chr1	6475931	6476036	_	1
##	8630	protein_coding		6475462		-	1
	8631	protein_coding		6475462		_	1
	8632	protein_coding		6475047		_	1
	8633	protein_coding		6475047		_	1
	8634	protein_coding		6474451		_	1
	8635	protein_coding		6474451		_	1
	8636	protein_coding		6474013		_	1
	8637	protein_coding		6474013		_	1
	8638	protein_coding		6473251		_	1
π <b>π</b>		brosein-coaring	O111 1	01/0201	0110404		1

##	8639	<pre>protein_coding</pre>	chr1	6473251	6473454	-	1
##	8640	<pre>protein_coding</pre>	chr1	6472986	6473174	-	1
##	8641	protein_coding	chr1	6472986	6473174	-	1
##	8642	protein_coding	chr1	6472527	6472622	-	1
##	8643	protein_coding	chr1	6472527	6472622	-	1
##	8644	protein_coding	chr1	6471758	6471808	_	1
##	8645	protein_coding	chr1	6471758	6471808	-	1
##	8646	protein_coding		6471488		_	1
##	8647	protein_coding		6471488		_	1
	8648	protein_coding		6470990		_	1
	8649	protein_coding		6470990		_	1
	8650	protein_coding		6470735		_	1
	8651	protein_coding		6470735		_	1
	8652	protein_coding		6470506		_	1
	8653	protein_coding		6470506		_	1
	8654	protein_coding		6470236		_	1
	8655	protein_coding		6470236		_	1
	8656	protein_coding		6469544		_	1
	8657	-		6469544		_	1
	8658	protein_coding		6469335		_	1
	8659	protein_coding		6469335			1
	8660	protein_coding		6469042			1
	8661	protein_coding		6469042		_	
	0002	protein_coding				_	1
	8662	protein_coding		6467825		_	1
	8663	protein_coding		6467825		_	1
	8664	protein_coding		6467122		-	1
	8665	protein_coding		6467566		-	1
	8666	protein_coding		6467563		_	1
	8667	protein_coding		6497324		-	1
	8668	protein_coding		6467122		-	1
	8669	protein_coding		6467122		-	1
	8670	<pre>protein_coding</pre>		6519445		-	1
	8671	<pre>protein_coding</pre>		6519445		-	1
	8672	<pre>protein_coding</pre>		6519509		-	1
	8673	<pre>protein_coding</pre>		6496493		-	1
	8674	<pre>protein_coding</pre>		6496493		-	1
##	8675	<pre>protein_coding</pre>		6477529		-	1
##	8676	<pre>protein_coding</pre>	chr1	6477529	6477658	-	1
##	8677	<pre>protein_coding</pre>	chr1	6475931	6476036	-	1
##	8678	<pre>protein_coding</pre>	chr1	6475931	6476036	-	1
##	8679	<pre>protein_coding</pre>	chr1	6475462	6475522	-	1
##	8680	<pre>protein_coding</pre>	chr1	6475462	6475522	-	1
##	8681	protein_coding	chr1	6475047	6475138	-	1
##	8682	<pre>protein_coding</pre>	chr1	6475047	6475138	-	1
##	8683	protein_coding	chr1	6474451	6474587	-	1
##	8684	protein_coding	chr1	6474451	6474587	-	1
##	8685	protein_coding	chr1	6474013	6474164	-	1
##	8686	protein_coding	chr1	6474013	6474164	-	1
##	8687	protein_coding	chr1	6473251	6473454	-	1
##	8688	protein_coding	chr1	6473251	6473454	-	1
##	8689	protein_coding		6472986		-	1
##	8690	protein_coding		6472986		-	1
##	8691	protein_coding		6472527		-	1
##	8692	protein_coding		6472527		_	1

##	8693	<pre>protein_coding</pre>	chr1	6471758	6471808	-	1
##	8694	protein_coding	chr1	6471758	6471808	-	1
##	8695	protein_coding	chr1	6471488	6471637	-	1
##	8696	protein_coding	chr1	6471488	6471637	_	1
##	8697	protein_coding	chr1	6470990	6471100	_	1
##	8698	protein_coding	chr1	6470990	6471100	_	1
##	8699	protein_coding	chr1	6470735	6470884	_	1
##	8700	protein_coding		6470735		_	1
##	8701	protein_coding	chr1	6470506	6470643	_	1
	8702	protein_coding		6470506		_	1
	8703	protein_coding		6470236		_	1
	8704	protein_coding		6470236		_	1
	8705	protein_coding		6469544		_	1
	8706	protein_coding		6469544		_	1
	8707	protein_coding		6469335		_	1
	8708	protein_coding		6469335		_	1
	8709	-		6469042		_	1
	8710	protein_coding		6469042		_	1
	8711	protein_coding		6467825		_	1
	8712	protein_coding				_	
		protein_coding		6467825		_	1
	8713	protein_coding		6467122		_	1
	8714	protein_coding		6467566		_	1
	8715	protein_coding		6467563		_	1
	8716	protein_coding		6519512		_	1
	8717	protein_coding		6467122		_	1
	8718	protein_coding		6521347		_	1
	8719	protein_coding		6521347		_	1
	8720	protein_coding		6554107		-	1
	8721	<pre>protein_coding</pre>		6554107		-	1
	8722	<pre>protein_coding</pre>		6554500		-	1
	8723	<pre>protein_coding</pre>		6550396		_	1
	8724	<pre>protein_coding</pre>		6550396		_	1
	8725	<pre>protein_coding</pre>		6549571		-	1
	8726	<pre>protein_coding</pre>		6549571		-	1
	8727	<pre>protein_coding</pre>		6545045		-	1
	8728	<pre>protein_coding</pre>		6545045		-	1
##	8729	<pre>protein_coding</pre>		6544826		-	1
##	8730	<pre>protein_coding</pre>		6544826		-	1
##	8731	<pre>protein_coding</pre>	chr1	6541830	6541927	_	1
##	8732	<pre>protein_coding</pre>	chr1	6541830	6541927	-	1
##	8733	<pre>protein_coding</pre>	chr1	6533280	6533441	-	1
##	8734	protein_coding	chr1	6533280	6533441	-	1
##	8735	protein_coding	chr1	6532463	6532760	-	1
##	8736	protein_coding	chr1	6532463	6532760	-	1
##	8737	protein_coding	chr1	6531968	6532079	-	1
##	8738	protein_coding	chr1	6531968	6532079	_	1
##	8739	protein_coding	chr1	6528994	6529171	_	1
##	8740	protein_coding	chr1	6528994	6529171	_	1
##	8741	protein_coding	chr1	6526696	6526829	-	1
##	8742	protein_coding	chr1	6526696	6526829	-	1
##	8743	protein_coding		6521347		_	1
##	8744	protein_coding		6525857		-	1
##	8745	protein_coding		6525854		_	1
##	8746	protein_coding		6554503		_	1

##	8747	protein_coding	chr1	6521347	6525856	_	1
	8748	snRNA		6540854		+	1
	8749	snRNA	chr1	6540854	6540964	+	1
	8750	snRNA		6540854		+	1
	8751	processed_pseudogene		6547905		+	0
	8752	processed_pseudogene		6547905		+	0
	8753	processed_pseudogene		6547905		+	0
	8754	processed_pseudogene		6548448		+	0
	8755	protein_coding		6555307		+	1
	8756	protein_coding		6555307		+	1
##	8757	protein_coding		6555307		+	1
##	8758	protein_coding		6555374		+	1
##	8759	protein_coding	chr1	6555374	6555376	+	1
##	8760	protein_coding		6570909		+	1
##	8761	protein_coding	chr1	6570909	6571215	+	1
##	8762	protein_coding	chr1	6574631	6575392	+	1
##	8763	protein_coding	chr1	6574631	6575392	+	1
##	8764	protein_coding	chr1	6576415	6576627	+	1
##	8765	protein_coding	chr1	6576415	6576627	+	1
##	8766	protein_coding	chr1	6576950	6577070	+	1
##	8767	<pre>protein_coding</pre>	chr1	6576950	6577070	+	1
##	8768	<pre>protein_coding</pre>	chr1	6578653	6579755	+	1
##	8769	<pre>protein_coding</pre>	chr1	6578653	6579581	+	1
##	8770	<pre>protein_coding</pre>	chr1	6579582	6579584	+	1
##	8771	<pre>protein_coding</pre>	chr1	6555307	6555373	+	1
##	8772	<pre>protein_coding</pre>		6579582		+	1
##	8773	<pre>protein_coding</pre>		6555309		+	1
	8774	<pre>protein_coding</pre>		6555309		+	1
	8775	<pre>protein_coding</pre>		6555374		+	1
	8776	protein_coding		6555374		+	1
	8777	protein_coding		6570909		+	1
	8778	protein_coding		6570909		+	1
	8779	protein_coding		6576415		+	1
	8780	protein_coding		6576415		+	1
	8781	protein_coding		6576950		+	1
	8782	protein_coding		6576950		+	1
	8783	protein_coding		6578653		+	1
	8784 8785	protein_coding		6578653		+	1
	8786	protein_coding		6579582 6555309		+	1 1
	8787	protein_coding		6579582		+	1
	8788	<pre>protein_coding protein_coding</pre>		6579994		+	1
	8789	protein_coding protein_coding		6579994		+	1
	8790	protein_coding		6579994		+	1
	8791	protein_coding		6580541		+	1
	8792	protein_coding		6580610		+	1
	8793	protein_coding		6580610		+	1
	8794	protein_coding		6582058		+	1
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	8796	protein_coding		6585919		+	1
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##	8799	protein_coding	chr1	6586695	6586787	+	1
##	8800	protein_coding	chr1	6587205	6587291	+	1

	8801	<pre>protein_coding</pre>		6587205		+	1
##	8802	<pre>protein_coding</pre>	chr1	6587478	6587632	+	1
##	8803	<pre>protein_coding</pre>	chr1	6587478	6587632	+	1
##	8804	protein_coding	chr1	6588060	6588196	+	1
##	8805	protein_coding	chr1	6588060	6588196	+	1
##	8806	protein_coding	chr1	6588278	6588442	+	1
##	8807	protein_coding	chr1	6588278	6588442	+	1
##	8808	protein_coding	chr1	6588756	6588844	+	1
##	8809	protein_coding	chr1	6588756	6588844	+	1
##	8810	protein_coding		6588916		+	1
##	8811	protein_coding	chr1	6588916	6589209	+	1
##	8812	protein_coding	chr1	6589210	6589212	+	1
##	8813	protein_coding		6579994		+	1
	8814	protein_coding		6580541		+	1
	8815	protein_coding		6589210		+	1
	8816	protein_coding		6590724		_	1
	8817	protein_coding		6590724		_	1
	8818	protein_coding		6601797		_	1
	8819	protein_coding		6601797		_	1
	8820	protein_coding		6602815		_	1
	8821	protein_coding		6599047		_	1
	8822	protein_coding		6599047		_	1
	8823	-		6595485		_	1
	8824	protein_coding		6595485		_	1
	8825	protein_coding		6590724		_	1
	8826	protein_coding		6593368		_	1
	8827	protein_coding		6593365		_	1
	8828	protein_coding		6602818		_	1
	8829	protein_coding				_	
		protein_coding		6590724		_	1
	8830	protein_coding		6590724		_	1
	8831	protein_coding		6601797		_	1
	8832	protein_coding		6601797		_	1
	8833	protein_coding		6602815		_	1
	8834	protein_coding		6599047		-	1
	8835	protein_coding		6599047		_	1
	8836	protein_coding		6590724		_	1
##	8837	protein_coding		6595368		_	1
	8838	protein_coding		6595365		_	1
	8839	<pre>protein_coding</pre>		6602818		-	1
	8840	<pre>protein_coding</pre>		6590724		_	1
	8841	protein_coding		6593193		-	1
	8842	<pre>protein_coding</pre>		6614450		-	1
	8843	<pre>protein_coding</pre>		6599047		-	1
	8844	<pre>protein_coding</pre>		6599047		-	1
	8845	<pre>protein_coding</pre>		6599370		-	1
	8846	<pre>protein_coding</pre>		6595485		-	1
	8847	<pre>protein_coding</pre>		6595485		-	1
	8848	<pre>protein_coding</pre>		6593193		-	1
##	8849	<pre>protein_coding</pre>		6593368		-	1
##	8850	<pre>protein_coding</pre>		6593365		-	1
##	8851	<pre>protein_coding</pre>	chr1	6614450	6614560	-	1
##	8852	<pre>protein_coding</pre>	chr1	6599373	6599452	-	1
##	8853	<pre>protein_coding</pre>		6593193		-	1
##	8854	<pre>protein_coding</pre>	chr1	6593205	6603684	-	1

##	8855	<pre>protein_coding</pre>	chr1	6603454	6603684	-	1
##	8856	<pre>protein_coding</pre>	chr1	6593205	6594918	-	1
##	8857	protein_coding	chr1	6593368	6593472	-	1
##	8858	protein_coding	chr1	6593470	6593472	-	1
##	8859	protein_coding	chr1	6593365	6593367	-	1
##	8860	protein_coding	chr1	6603454	6603684	_	1
##	8861	protein_coding	chr1	6593205	6593367	_	1
##	8862	protein_coding		6593473		_	1
##	8863	protein_coding		6594081		_	1
	8864	protein_coding		6614450		_	1
	8865	protein_coding		6599047		_	1
	8866	protein_coding		6599047		_	1
	8867	protein_coding		6599370		_	1
	8868	protein_coding		6595485		_	1
	8869	protein_coding		6595485		_	1
	8870	protein_coding		6594081		_	1
	8871	protein_coding		6594108		_	1
	8872	protein_coding		6614450		_	1
	8873	-		6599373		_	1
	8874	protein_coding		6594081		_	1
	8875	protein_coding		6613731		+	1
	8876	protein_coding		6613731			1
	8877	protein_coding		6613731		+	
		protein_coding				+	1
	8878	protein_coding		6614067		+	1
	8879	protein_coding		6614067		+	1
	8880	protein_coding		6616757		+	1
	8881	protein_coding		6616757		+	1
	8882	protein_coding		6619803		+	1
	8883	protein_coding		6619803		+	1
	8884	protein_coding		6621411		+	1
	8885	protein_coding		6621411		+	1
	8886	protein_coding		6621635		+	1
	8887	<pre>protein_coding</pre>		6613731		+	1
	8888	<pre>protein_coding</pre>		6621635		+	1
	8889	<pre>protein_coding</pre>		6624866		+	1
	8890	<pre>protein_coding</pre>		6624866		+	1
##	8891	<pre>protein_coding</pre>		6624866		+	1
##	8892	<pre>protein_coding</pre>		6625150		+	1
##	8893	<pre>protein_coding</pre>	chr1	6625219	6625292	+	1
##	8894	<pre>protein_coding</pre>	chr1	6625219	6625221	+	1
##	8895	<pre>protein_coding</pre>	chr1	6628499	6628691	+	1
##	8896	<pre>protein_coding</pre>	chr1	6628499	6628691	+	1
##	8897	protein_coding	chr1	6630288	6630353	+	1
##	8898	<pre>protein_coding</pre>	chr1	6630288	6630353	+	1
##	8899	protein_coding	chr1	6632391	6632495	+	1
##	8900	protein_coding	chr1	6632391	6632495	+	1
##	8901	protein_coding	chr1	6632796	6633565	+	1
##	8902	protein_coding	chr1	6632796	6633074	+	1
##	8903	protein_coding	chr1	6633075	6633077	+	1
##	8904	protein_coding	chr1	6624866	6624954	+	1
##	8905	protein_coding		6625150		+	1
##	8906	protein_coding		6633075		+	1
	8907	protein_coding		6625181		+	1
##	8908	protein_coding		6625181		+	1

##	8909	<pre>protein_coding</pre>	chr1	6625219	6625292	+	1
##	8910	protein_coding	chr1	6625219	6625221	+	1
##	8911	protein_coding	chr1	6628499	6628691	+	1
##	8912	protein_coding	chr1	6628499	6628691	+	1
##	8913	protein_coding	chr1	6630291	6630353	+	1
##	8914	protein_coding	chr1	6630291	6630353	+	1
##	8915	protein_coding	chr1	6632391	6632495	+	1
##	8916	protein_coding		6632391		+	1
##	8917	protein_coding		6632796		+	1
	8918	protein_coding		6632796		+	1
	8919	protein_coding		6633075		+	1
	8920	protein_coding		6625181		+	1
	8921	protein_coding		6633075		+	1
	8922	protein_coding		6625192		+	1
	8923	protein_coding		6625192		+	1
	8924	protein_coding		6625219		+	1
	8925	protein_coding		6625219		+	1
	8926	protein_coding		6628499		+	1
	8927	-		6628499		+	1
	8928	protein_coding		6630288		+	1
	8929	protein_coding		6630288		+	1
	8930	protein_coding					
		protein_coding		6632370 6632370		+	1
	8931	protein_coding				+	1
	8932	protein_coding		6634020		+	1
	8933	protein_coding		6634020		+	1
	8934	protein_coding		6634086		+	1
	8935	protein_coding		6625192		+	1
	8936	protein_coding		6634086		+	1
	8937	<pre>protein_coding</pre>		6634168		-	1
	8938	<pre>protein_coding</pre>		6634170		-	1
	8939	<pre>protein_coding</pre>		6701729		_	1
	8940	<pre>protein_coding</pre>		6701729		_	1
	8941	<pre>protein_coding</pre>		6701798		_	1
	8942	<pre>protein_coding</pre>		6680908		-	1
##	8943	<pre>protein_coding</pre>		6680908		_	1
##	8944	<pre>protein_coding</pre>	chr1	6678394	6678467	-	1
##	8945	<pre>protein_coding</pre>	chr1	6678394	6678467	_	1
##	8946	<pre>protein_coding</pre>	chr1	6667709	6667810	_	1
##	8947	<pre>protein_coding</pre>	chr1	6667709	6667810	-	1
##	8948	protein_coding	chr1	6653911	6654039	-	1
##	8949	protein_coding	chr1	6653911	6654039	-	1
##	8950	protein_coding	chr1	6652829	6652951	_	1
##	8951	protein_coding	chr1	6652829	6652951	-	1
##	8952	protein_coding	chr1	6651529	6651602	-	1
##	8953	protein_coding	chr1	6651529	6651602	_	1
##	8954	protein_coding	chr1	6645789	6645978	_	1
##	8955	protein_coding	chr1	6645789	6645978	-	1
##	8956	protein_coding		6645041		-	1
##	8957	protein_coding		6645041		_	1
##	8958	protein_coding		6644558		_	1
	8959	protein_coding		6644558		_	1
	8960	protein_coding		6639902		_	1
	8961	protein_coding		6639902		_	1
	8962	protein_coding		6638295		_	1
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##	8963	<pre>protein_coding</pre>		6638295		-	1
##	8964	protein_coding	chr1	6637447	6637504	-	1
##	8965	<pre>protein_coding</pre>	chr1	6637447	6637504	-	1
##	8966	protein_coding	chr1	6637198	6637340	-	1
##	8967	protein_coding	chr1	6637198	6637340	-	1
##	8968	protein_coding	chr1	6636117	6636246	-	1
##	8969	protein_coding	chr1	6636117	6636246	-	1
##	8970	protein_coding	chr1	6634170	6635700	_	1
##	8971	protein_coding	chr1	6635678	6635700	_	1
##	8972	protein_coding	chr1	6635675	6635677	_	1
##	8973	protein_coding		6701801		_	1
	8974	protein_coding		6634170		_	1
	8975	protein_coding		6635113		_	1
	8976	protein_coding		6701729		_	1
	8977	protein_coding		6701729		_	1
	8978	protein_coding		6701798		_	1
	8979	protein_coding		6680908		_	1
	8980	protein_coding		6680908		_	1
	8981	protein_coding		6678394		_	1
	8982	protein_coding		6678394		_	1
	8983			6667709		_	1
	8984	protein_coding		6667709		_	1
	8985	protein_coding		6653911		_	1
	8986	protein_coding		6653911			1
	8987	protein_coding		6652829		_	1
	8988	protein_coding		6652829		_	
		protein_coding				_	1
	8989	protein_coding		6651529		_	1
	8990	protein_coding		6651529		_	1
	8991	protein_coding		6645789		_	1
	8992	protein_coding		6645789		_	1
	8993	protein_coding		6645041		_	1
	8994	protein_coding		6645041		-	1
	8995	protein_coding		6644558		_	1
	8996	protein_coding		6644558		_	1
	8997	protein_coding		6638295		-	1
	8998	protein_coding		6638295		_	1
##	8999	protein_coding		6637447		-	1
	9000	<pre>protein_coding</pre>		6637447		-	1
	9001	<pre>protein_coding</pre>		6637198		-	1
	9002	<pre>protein_coding</pre>		6637198		_	1
	9003	<pre>protein_coding</pre>		6636117		-	1
	9004	<pre>protein_coding</pre>		6636117		-	1
	9005	<pre>protein_coding</pre>		6635113		_	1
	9006	<pre>protein_coding</pre>	chr1	6635678	6635700	-	1
##	9007	<pre>protein_coding</pre>		6635675		-	1
##	9008	<pre>protein_coding</pre>		6701801		-	1
##	9009	<pre>protein_coding</pre>	chr1	6635113	6635677	_	1
##	9010	${\tt lncRNA}$		6724637		+	1
##	9011	${\tt lncRNA}$	chr1	6724637	6727408	+	1
##	9012	${\tt lncRNA}$	${\tt chr1}$	6724637	6724850	+	1
##	9013	lncRNA	chr1	6725937	6727408	+	1
##	9014	${\tt lncRNA}$	${\tt chr1}$	6724643	6730012	+	1
##	9015	lncRNA	chr1	6724643	6724850	+	1
##	9016	lncRNA	chr1	6727433	6727612	+	1

##	9017	lncRNA	chr1	6729720	6730012	+	1
	9018	lncRNA		6767954		+	0
	9019	lncRNA		6767954		+	0
	9020	lncRNA		6767954		+	0
	9021	lncRNA		6769727		+	0
	9022	lncRNA		6769911		+	0
	9023	lncRNA		6783892		_	1
	9024	lncRNA		6783892			1
	9025	lncRNA		6784658			1
	9026	lncRNA		6784149		_	1
	9027			6783892			
		lncRNA				-	1
	9028	protein_coding		6785454		+	1
	9029	protein_coding		6785454		+	1
	9030	protein_coding		6785454		+	1
	9031	protein_coding		6785531		+	1
	9032	protein_coding		6785531		+	1
	9033	protein_coding		6820181		+	1
	9034	protein_coding		6820181		+	1
	9035	<pre>protein_coding</pre>		6825092		+	1
	9036	<pre>protein_coding</pre>		6825092		+	1
##	9037	<pre>protein_coding</pre>		7091304		+	1
##	9038	<pre>protein_coding</pre>		7091304		+	1
##	9039	<pre>protein_coding</pre>	chr1	7249491	7249626	+	1
##	9040	<pre>protein_coding</pre>	chr1	7249491	7249626	+	1
##	9041	<pre>protein_coding</pre>	chr1	7467830	7467901	+	1
##	9042	protein_coding	chr1	7467830	7467901	+	1
##	9043	<pre>protein_coding</pre>	chr1	7640400	7640553	+	1
##	9044	protein_coding	chr1	7640400	7640553	+	1
##	9045	<pre>protein_coding</pre>	chr1	7661726	7661866	+	1
##	9046	protein_coding	chr1	7661726	7661866	+	1
##	9047	protein_coding	chr1	7663353	7665199	+	1
##	9048	protein_coding	chr1	7663353	7665199	+	1
##	9049	protein_coding	chr1	7670911	7671037	+	1
##	9050	protein_coding	chr1	7670911	7671037	+	1
##	9051	protein_coding	chr1	7677599	7677733	+	1
##	9052	protein_coding	chr1	7677599	7677733	+	1
##	9053	protein_coding	chr1	7732448	7732599	+	1
##	9054	protein_coding	chr1	7732448	7732599	+	1
##	9055	protein_coding		7736344		+	1
##	9056	protein_coding		7736344		+	1
	9057	protein_coding		7736931		+	1
	9058	protein_coding		7736931		+	1
	9059	protein_coding		7737255		+	1
	9060	protein_coding		7737255		+	1
	9061	protein_coding		7737959		+	1
	9062	protein_coding		7737959		+	1
	9063	protein_coding		7744835		+	1
	9064	protein_coding		7744835		+	1
	9065	protein_coding		7745845		+	1
	9066	protein_coding protein_coding		7745845		+	1
	9067	protein_coding protein_coding		7747710		+	1
	9068	protein_coding protein_coding		7747710		+	1
	9069	-		7751199		+	1
	9070	protein_coding		7751199		+	1
##	3010	<pre>protein_coding</pre>	CIII	1101199	1101092	T	T

##	9071		protein_coding	g ch	ır1	7752459	7752533	+	1
##	9072		protein_coding	g ch	ır1	7752459	7752533	+	1
##	9073		protein_coding	g ch	ır1	7755638	7755668	+	1
##	9074		protein_coding	g ch	ır1	7755638	7755668	+	1
##	9075		protein_coding	g ch	ır1	7766459	7769706	+	1
##	9076		protein_coding	g ch	ır1	7766459	7766488	+	1
##	9077		protein_coding	g ch	ır1	7766489	7766491	+	1
##	9078		protein_coding	g ch	ır1	6785454	6785530	+	1
##	9079		protein_coding		ır1	7766489	7769706	+	1
##	9080		protein_coding	g ch	ır1	6785480	6872038	+	1
##	9081		protein_coding	g ch	ır1	6785480	6785575	+	1
##	9082		protein_coding	g ch	ır1	6785531	6785575	+	1
##	9083		protein_coding	g ch	ır1	6785531	6785533	+	1
##	9084		protein_coding	g ch	ır1	6820181	6820250	+	1
##	9085		protein_coding	-	ır1	6820181	6820250	+	1
##	9086		protein_coding		ır1	6825092	6825210	+	1
##	9087		protein_coding	-	ır1	6825092	6825210	+	1
##	9088		protein_coding	-	ır1	6871757	6872038	+	1
##	9089		protein_coding	-		6871757		+	1
##	9090		protein_coding	-		6871763		+	1
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## 9086
              1
## 9087
              1
## 9088
## 9089
              1
## 9090
## [ reached 'max' / getOption("max.print") -- omitted 1747412 rows ]
```

2. Please count the number of hgnc by gene biotypes.

## d %>% filter(!is.na(hgnc\_id))%>%group\_by(gene\_type) %>% count()

```
## # A tibble: 36 x 2
## # Groups:
               gene_type [36]
##
      gene_type
                           n
##
      <chr>>
                       <int>
    1 IG_C_gene
##
                         176
##
    2 IG_C_pseudogene
                          33
##
    3 IG_D_gene
                         152
## 4 IG_J_gene
                          76
```

```
## 5 IG_J_pseudogene 9
## 6 IG_V_gene 1101
## 7 IG_V_pseudogene 653
## 8 lncRNA 51105
## 9 miRNA 5568
## 10 misc_RNA 3099
## # ... with 26 more rows
```

3. Please count the number of hgnc by level. Please note that level in this question is not TSL. Please find information in this link: 1 (verified loci), 2 (manually annotated loci), 3 (automatically annotated loci).

d%>%filter(!is.na(hgnc\_id))%>%group\_by(level)%>%count()

```
## # A tibble: 3 x 2
## # Groups: level [3]
## level n
## <chr> <int>
## 1 1 107054
## 2 2 1279964
## 3 3 237265
```

## 3.5. Transcripts in the GENCODE

1. Which gene has the largest number of transcripts?

```
d%>%filter(type=="transcript")%>%group_by(gene_id)%>%count()%>%pull(n)%>%which.max()%>%d$gene_id[.]
```

```
## [1] "ENSG00000248333.8"
```

2. Please calculate the quantiles (0%, 25%, 50%, 75%, 100%) of the gene length for protein coding genes and long noncoding genes.

```
d%>%filter(type=="gene"& gene_type%in%c("protein_coding","lncRNA"))%>%group_by(gene_type)%>%summarize(q
```

## 'summarise()' has grouped output by 'gene\_type'. You can override using the '.groups' argument.

```
## # A tibble: 10 x 2
               gene_type [2]
## # Groups:
                     quantile_of_gene_length
      gene_type
##
##
      <chr>
                                        <dbl>
##
   1 lncRNA
                                          68
  2 lncRNA
                                        1874.
##
##
   3 lncRNA
                                        6272.
  4 lncRNA
##
                                       24774.
  5 lncRNA
                                     1375317
##
  6 protein_coding
                                         117
## 7 protein_coding
                                        9632.
## 8 protein_coding
                                       27212
## 9 protein_coding
                                       70809
## 10 protein_coding
                                    2473537
```

3. Please count the number of transcripts by chromosomes.

## d%>%filter(type=="transcript")%>%group\_by(seqnames)%>%count()

```
## # A tibble: 25 x 2
## # Groups:
               segnames [25]
      seqnames
##
                   n
##
      <fct>
               <int>
##
    1 chr1
                9827
##
   2 chr2
                7432
##
  3 chr3
                6157
##
   4 chr4
                4662
                5203
##
  5 chr5
   6 chr6
                5455
   7 chr7
                5292
##
##
   8 chr8
                4350
## 9 chr9
                3949
## 10 chr10
                4157
## # ... with 15 more rows
```

## 3.6. Autosomal vs. Sex chromosomes.

1. Please calculate the number of genes per chromosome.

```
d%>%filter(type=="gene")%>%group_by(seqnames)%>%count()
```

```
## # A tibble: 25 x 2
## # Groups:
               seqnames [25]
##
      seqnames
                   n
      <fct>
##
               <int>
   1 chr1
                5471
##
                4196
##
  2 chr2
##
  3 chr3
                3185
                2651
##
  4 chr4
##
  5 chr5
                2983
##
                3059
  6 chr6
##
   7 chr7
                3014
##
   8 chr8
                2482
## 9 chr9
                2327
                2332
## 10 chr10
## # ... with 15 more rows
```

2. Please compare the number of genes between autosomal and sex chromosome (Mean, Median).

```
d %>% filter(type=="gene")%>%
  mutate(chromosome=case_when(seqnames%in%c("chrX","chrY")~"sex",seqnames=="chrM"~"chrM",TRUE~"autosom
  filter(chromosome %in% c("sex","autosomal"))%>%
  group_by(chromosome)%>%count()
```

```
## # A tibble: 2 x 2
```

3. Please divide the genes into groups 'protein coding' and 'long noncoding', and then compare the number of genes in each chromosomes within groups.

d%>%filter(type=="gene"&gene\_type%in%c("protein\_coding","lncRNA"))%>%group\_by(gene\_type,seqnames)%>%cou

```
## # A tibble: 49 x 3
               gene_type, seqnames [49]
## # Groups:
##
      gene_type seqnames
                              n
##
      <chr>
                 <fct>
                          <int>
##
    1 lncRNA
                 chr1
                           1416
##
    2 lncRNA
                 chr2
                           1241
##
    3 lncRNA
                 chr3
                            861
##
    4 lncRNA
                            790
                 chr4
    5 lncRNA
##
                 chr5
                            950
##
    6 lncRNA
                 chr6
                            826
##
   7 lncRNA
                 chr7
                            720
##
   8 lncRNA
                            831
                 chr8
## 9 lncRNA
                            555
                 chr9
## 10 lncRNA
                            695
                 chr10
## # ... with 39 more rows
```