```
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Platform: aarch64-apple-darwin20
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  Natural language support but running in an English locale
R is a collaborative project with many contributors. Type 'contributors()' for more information and 'citation()' on how to cite R or R packages in publications.
Type 'demo()' for some demos, 'help()' for on-line help, or
'help.start()' for an HTML browser interface to help.
Type 'q()' to quit R.
[R.app GUI 1.80 (8376) aarch64-apple-darwin20]
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> setwd("/Users/alperkaragol/Desktop/Genomics/Glutamate_isoformsData/TajimaD/EAA1")
> # Function to read alignment from a text file
> read_alignment <- function(file) {</pre>
       # Read the file line by line
       lines <- readLines(file)</pre>
       # Split each line into individual characters to form the alignment matrix
       alignment <- do.call(rbind, strsplit(lines, ""))</pre>
       return(alignment)
> # Function to compute site frequency spectrum (SFS)
> compute_SFS <- function(alignment) {</pre>
       # Number of sequences
       num sequences <- nrow(alianment)</pre>
       # Initialize an empty vector to store counts for each frequency
       sfs <- numeric(num_sequences - 1)</pre>
       # Loop through each column in the alignment
       for (i in 1:ncol(alignment)) {
           # Count the number of unique characters in the column
           counts <- table(alignment[, i])</pre>
           # Remove gaps "-" from the counts
           counts <- counts[!names(counts) %in% "-"]</pre>
           # Increment the count for each frequency in the SFS
           for (count in counts) {
                if (count > 1 && count <= num_sequences) {</pre>
                    sfs[count - 1] \leftarrow sfs[count - 1] + 1
           }
       }
       return(sfs)
> # Path to the alignment file
> file <- "alignment.txt"</pre>
> # Read the alignment from the file
> alignment <- read_alignment(file)</pre>
> print(alignment)
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R version 4.4.0 (2024-04-24) -- "Puppy Cup"

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                                                                                                                         "T"
                                 "G"
                                                  "C"
"C"
                                                                                                                                   "G"
      "C"
                        "A"
                                                                             "G"
                                                                                               "T"
                                                                                                        "T"
[3,]
                        "A"
"-"
                                                                             "G"
"-"
                                                                                                                                  "G"
[4,] "C"
                                 "G"
                                                                                               "T"
                                                                                                        "T"
                                                                                                                                  "_"
```

FC 7	""			""		""	""	"6"	""	""					""
[6,]	[,199]	"T"	"A" F 2017	"G" F 2027	"T"	"C"	"C" F 2057	"C"	"G" F 2077	"G" [,208]	"T"	"T" F 2107	"T" 「 2117	"Т" Г 2127	"G"
[1,]		[,200] "_"	[,201] "-"	[,202] "-"	[,203] "_"	[,204] "-"	[,205] "-"	[,206] "_"	[,207] "-"	[,206] "-"	[,209] "_"	[,210] "-"	[,211] "_"	[,212] "-"	[,213
[2,]		"A"	- "T"	- "T"	- "T"	- "C"	- "T"	"A"	"A"	- "T"	- "G"	"A"	- "C"	"A"	- "G"
[3,]	"C"	"A"	"T"	"T"	"T"	"C"	"T"	"A"	"A"	"T"	"G"	"A"	"C"	"A"	"G"
[4,]	"C"	"A"	"T"	"T"	"T"	"C"	"T"	"A"	"A"	"T"	"G"	"A"	"C"	"A"	"G"
[5,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[6,]	"C"	"A"	- "T"	- "T"	- "T"	- "C"	- "T"	"A"	"A"	- "T"	- "G"	"A"	- "C"	"A"	- "G"
[0,]	[,214]	[,215]	•	[,217]	[,218]	-	[,220]	[,221]	[,222]	[,223]	[,224]	[,225]	-	[,227]	[,22
[1,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[2,]	"T"	"G"	"A"	"A"	"C"	"T"	"G"	"A"	"C"	"A"	"A"	"A"	"G"	"C"	"G"
[3,]	"T"	"G"	"A"	"A"	"C"	"T"	"G"	"A"	"C"	"A"	"A"	"A"	"G"	"C"	"G"
[4,]	"T"	"G"	"A"	"A"	"C"	"T"	"G"	"A"	"C"	"A"	"A"	"A"	"G"	"C"	"G"
[5,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[6,]	"T"	"G"	"A"	"A"	"C"	"T"	"G"	"A"	"C"	"A"	"A"	"A"	"G"	"C"	"G"
[0,]	[,229]	[,230]	[,231]	[,232]	[,233]	•	-	[,236]	[,237]	[,238]	[,239]	[,240]	-	[,242]	
[1,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	L,27
[2,]	"T"	"G"	"A"	"A"	"A"	"G"	"T"	"G"	"G"	"T"	"C"	"T"	"A"	"A"	"G"
[3,]	"T"	"G"	"A"	"A"	"A"	"G"	"T"	"G"	"G"	"T"	"C"	"T"	"A"	"A"	"G"
[4,]	"T"	"G"	"A"	"A"	"A"	"G"	"T"	"G"	"G"	"T"	"C"	"T"	"A"	"A"	"G"
[5,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
	"T"	"G"	"A"	"A"	"A"	"G"	"T"	"G"	"G"	"T"	"C"	"T"	"A"	"A"	"G"
Lº,1	[,244]	[,245]	[,246]	[,247]		[,249]	[,250]	[,251]	[,252]	[,253]	[,254]	[,255]	[,256]	[,257]	[,25
[1,]	"_"	"_"	"_"	"_"	"-"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[2,]	- "G"	"A"	- "G"	- "C"	"A"	"A"	"A"	"A"	- "C"	"A"	"A"	"A"	- "G"	"C"	"C"
[3,]	"G"	"A"	"G"	"C"	"A"	"A"	"A"	"A"	"C"	"A"	"A"	"A"	"G"	"C"	"C"
[4,]	"G"	"A"	"G"	"C"	"A"	"A"	"A"	"A"	"C"	"A"	"A"	"A"	"G"	"C"	"C"
[5,]	"-"	"-"	"-"	"-"	"-"	"-"	"-"	"-"	"-"	"-"	"-"	"-"	"_"	"-"	"-"
		"A"	"G"	"C"	"A"	"A"	"A"	"A"	"C"	"A"	"A"	"A"	"G"	"C"	"C"
.~,」	[,259]	[,260]	[,261]	[,262]	[,263]		[,265]	[,266]	[,267]	[,268]	[,269]	[,270]		[,272]	
[1,]	"-"	"_"	"_"	"_"	"-"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[2,]		"G"	"C"	"A"	"A"	"G"	"C"	"C"	"T"	"G"	"C"	"T"	"T"	"C"	"T"
[3,]	"A"	"G"	"C"	"A"	"A"	"G"	"C"	"C"	"T"	"G"	"C"	"T"	"T"	"C"	"T"
[4,]		"G"	"C"	"A"	"A"	"G"	"C"	"C"	"T"	"G"	"C"	"T"	"T"	"C"	"T"
[5,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[6,]		"G"	"C"	"A"	"A"	"G"	"C"	"C"	"T"	"G"	"C"	"T"	"T"	"C"	"T"
[0,]	[,274]	[,275]	[,276]			[,279]	[,280]	~	[,282]	[,283]	[,284]	•	[,286]	-	
[1,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[2,]	"G"	"G"	"T"	"G"	"T"	"G"	"C"	"C"	"A"	"A"	"G"	"A"	"T"	"T"	"A"
[3,]	"G"	"G"	"T"	"G"	"T"	"G"	"C"	"C"	"A"	"A"	"G"	"A"	"T"	"T"	"A"
[4,]	"G"	"G"	"T"	"G"	"T"	"G"	"C"	"C"	"A"	"A"	"G"	"A"	"T"	"T"	"A"
[5,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[6,]		- "G"	- "T"	- "G"	- "T"	- "G"	- "C"	- "C"	"A"	"A"	- "G"	"A"	- "T"	- "T"	"A"
[0,]	[,289]	_	[,291]	-	[,293]	-	_	[,296]	[,297]	[,298]	[,299]		[,301]	[,302]	
[1,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[2,]	"A"	"T"	"C"	"A"	"A"	"T"	"A"	"T"	"T"	"C"	"C"	"A"	"G"	"A"	"A"
[3,]	"A"	"T"	"C"	"A"	"A"	"T"	"A"	"T"	"T"	"C"	"C"	"A"	"G"	"A"	"A"
[4,]	"A"	"T"	"C"	"A"	"A"	"T"	"A"	"T"	"T"	"C"	"C"	"A"	"G"	"A"	"A"
[5,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[6,]		"T"	"C"	"A"	"Δ"	"T"	"Δ"	"T"	"T"	"C"	"C"	"Δ"	"G"	"Δ"	"A"
L°,1	[,304]	•	-			•		•	•	-	•	• • •	[,316]		
[1,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
	"A"	"C"	"C"	"T"	"C"	"G"	"G"	"G"	"G"	"T"	"T"	"T"	"C"	"C"	"C"
[3,]	"A"	"C"	"C"	"T"	"C"	"G"	"G"	"G"	"G"	"T"	"T"	"T"	"_"	"C"	"C"
[4,]	"A"	"C"	"C"	"T"	"C"	"G"	"G"	"G"	"G"	"T"	"T"	"T"	"C"	"C"	"C"
[5,]	"_"	"-"	"-"	"_"	"-"	"-"	"-"	"-"	"-"	"_"	"_"	"_"	"-"	"-"	"_"
[6,]		"C"	"C"	"T"	"C"	"G"	"G"	"G"	"G"	"T"	"T"	"T"	"-"	"C"	"C"
_~,_	[,319]	-	[,321]	[,322]	[,323]	[,324]	[,325]	[,326]	[,327]	[,328]	[,329]	[,330]	[,331]	[,332]	[,33
[1,]	"-"	"-"	"-"	"-"	"-"	"-"	"-"	"-"	"-"	"-"	"-"	"-"	"-"	"-"	L,55
[2,]	"C"	"C"	"T"	"C"	"C"	"T"	"_"	"C"	"C"	"C"	"T"	"G"	"T"	"G"	"C"
[3,]		"C"	"T"	"C"	"C"	"T"	"_"	"C"	"C"	"C"	"T"	"G"	"T"	"G"	"C"
[4,]	"C"	"C"	"T"	"C"	"C"	"T"	"C"	"C"	"C"	"C"	"T"	"G"	"T"	"G"	"C"
[5,]	"_"	"_"	"_"	"-"	"_"	"_"	"_"	"_"	"-"	"_"	"_"	"-"	"_"	"_"	"_"
[6,]		"C"	"T"	"C"	"C"	"T"	"_"	"C"	"C"	"C"	"T"	"G"	"T"	"G"	"C"
_ , _	[,334]	[,335]	[,336]	-	[,338]	[,339]	[,340]	[,341]	[,342]	[,343]	[,344]	[,345]	[,346]	[,347]	-
[1,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"-"	"_"	"_"	"_"	"_"	"-"
[2,]		"G"	"T"	"T"	"T"	"C"	"C"	"A"	"T"	"T"	"C"	"C"	"C"	"C"	"A"
[3,]		"G"	"T"	"T"	"T"	"C"	"C"	"A"	"T"	"T"	"C"	"C"	"C"	"C"	"A"
	"G"	"G"	"T"	"T"	"T"	"C"	"C"	"A"	"T"	"T"	"C"	"C"	"C"	"C"	"A"
	"-"	"-"	"_"	"_"	"_"	"-"	"-"	"-"	"_"	"_"	"-"	"-"	"_"	"-"	"_"
[4,]		"G"	"T"	"T"	"T"	"C"	"C"	"A"	"T"	"T"	"C"	"C"	"C"	"C"	"A"
[4,] [5,]	"(1"	-	[,351]	[,352]	[,353]	[,354]	[,355]	[,356]	[,357]	[,358]	[,359]	[,360]	[,361]	-	[,36
[4,] [5,]		1.3501			_,		"_"	"_"	L,337]	[,336] "_"	"_"	"_"	"_"	L,302]	L,30
[4,] [5,] [6,]	[,349]	[,350] "-"	"_"	"_"	"_"	"_"									-
[4,] [5,] [6,]	[,349] "-"	"-"	"-"	"-"											"G"
[4,] [5,] [6,] [1,] [2,]	[,349] "-" "C"	"-" "T"	"-" "C"	"-" "C"	"T"	"C"	"C"	"T"	"T"	"T"	"C"	"C"	"C"	"G"	"G" "G"
[4,] [5,]	[,349] "-" "C" "C"	"-"	"-"	"-"											"G" "G" "G"

[5,]	"_"	"_"	"-"	"-"	"_"	"_"	"_"	"_"	"-"	"-"	"_"	"_"	"_"	"_"	"_"
[6,]	"C" [,364]	"T" [,365]	"C" [,366]	"C" [,367]	"T" [,368]	"C" [,369]	"C" [,370]	"T" [,371]	"T" [,372]	"Т" Г 3731	"C" [,374]	"C" [,375]	"C" [,376]	"G" Г 3771	"G" [,378]
[1,]	"-"	"-"	"-"	"-"	"-"	"-"	"-"	"-"	"-"	"-"	"-"	"-"	"-"	"-"	"-"
[2,]	"G"	"C"	"A"	"C"	"A"	"G"	"A"	"C"	"T"	"C"	"C"	"T"	"C"	"C"	"C"
[3,] [4,]	"G" "G"	"C" "C"	"A" "A"	"C" "C"	"A" "A"	"G" "G"	"A" "A"	"C" "C"	"T" "T"	"C" "C"	"C" "C"	"T" "T"	"C" "C"	"C" "C"	"C" "C"
[5,]	"-"	"-"	"-"	"-"	"-"	"-"	"-"	"-"	"_"	"-"	"-"	"_"	"-"	"-"	"-"
[6,]	"G"	"C"	"A"	"C"	"A"	"G"	"A"	"C"	"T"	"C"	"C"	"T"	"C"	"C"	"C"
Г1 <b>Т</b>	[,379] "-"	[,380] "-"	[,381] "-"	[,382] "-"	[,383] "_"	[,384] "_"	[,385] "-"	[,386] "-"	[,387] "-"	[,388] "-"	[,389] "-"	[,390] "_"	[,391] "-"	[,392] "-"	[,393] "-"
[1,] [2,]	- "C"	- "T"	- "T"	- "T"	- "T"	- "C"	- "T"	- "T"	"A"	"A"	- "G"	- "T"	- "T"	- "G"	- "C"
[3,]	"C"	"T"	"T"	"T"	"T"	"C"	"T"	"T"	"A"	"A"	"G"	"T"	"T"	"G"	"C"
[4,]	"C" "-"	"T" "_"	"T" "_"	"T" "_"	"T" "_"	"C" "_"	"T" "_"	"T" "_"	"A" "_"	"A" "-"	"G" "_"	"T" "_"	"T" "_"	"G" "_"	"C" "-"
[5,] [6,]	- "C"	- "T"	- "T"	- "T"	- "T"	- "C"	- "T"	- "T"	"A"	- "A"	- "G"	- "T"	- "T"	- "G"	- "C"
L- / J	[,394]	[,395]	[,396]	[,397]	[,398]	[,399]	[,400]	[,401]	[,402]	[,403]	[,404]	[,405]			[,408]
[1,]	"-" "C"	"-" "C"	"-" "T"	"-" "G"	"-" "A"	"-" "T"	"_" "A"	"-" "G"	"-" "T"	"-" "A"	"_" "A"	"_"	"-" "T"	"-" "T"	"-" "G"
[2,] [3,]	"C" "C"	"C"	"T"	"G"	"A"	"T"	"A"	"G"	"T"	"A"	"A"	"C" "C"	"T"	"T"	"G"
[4,]	"C"	"C"	"T"	"G"	"A"	"T"	"A"	"G"	"T"	"A"	"A"	"C"	"T"	"T"	"G"
[5,]	"-"	"-" "C"	"-" "T"	"-" "G"	"_" "A"	"-" "T"	"_" "A"	"-" "G"	"-" "T"	"-" "A"	"-" "A"	"-" "C"	"-" "T"	"-" "T"	"-" "G"
[6,]	"C" [,409]	[,410]	[,411]	[,412]	,413]	[,414]	,415]	[,416]	[,417]		,419]	[,420]	[,421]	-	[,423]
[1,]	"_"	"-"	"-"	"-"	"_"	"-"	"-"	"A"	"G"	"A"	"G"	"C"	"A"	"C"	"A"
[2,]	"C"	"A"	"G"	"T"	"T"	"T"	"C"	"A"	"G"	"A"	"G"	"C"	"A"	"C"	"A"
[3,] [4,]	"C" "C"	"A" "A"	"G" "G"	"T" "T"	"T" "T"	"T" "T"	"C" "C"	"A" "A"	"G" "G"	"A" "A"	"G" "G"	"C" "C"	"A" "A"	"C" "C"	"A" "A"
[5,]	"_"	"-"	"_"	"-"	"-"	"_"	"-"	"-"	"_"	"-"	"_"	"_"	"_"	"_"	"-"
[6,]	"C"	"A"	"G"	"T"	"T"	"T"	"C"	"A"	"G"	"A"	"G"	"C"	"A"	"C"	"A"
[1,]	[,424] "T"	[,425] "G"	[,426] "C"	[,427] "A"	[,428] "C"	[,429] "A"	[,430] "C"	[,431] "T"	[,432] "G"	[,433] "T"	[,434] "C"	[,435] "A"	[,436] "G"	[,437] "G"	[,438] "G"
[2,]	"T"	"G"	"C"	"A"	"C"	"A"	"C"	"T"	"G"	"T"	"C"	"A"	"G"	"G"	"G"
[3,]	"T"	"G"	"C"	"A"	"C"	"A"	"C"	"T"	"G"	"T"	"C"	"A"	"G"	"G"	"G"
[4,] [5,]	"T" "-"	"G" "_"	"C" "_"	"A" "_"	"C" "_"	"A" "-"	"C" "_"	"T" "_"	"G" "-"	"T" "_"	"C" "_"	"A" "_"	"G" "_"	"G" "_"	"G" "_"
[6,]	"T"	"G"	"C"	"A"	"C"	"A"	"C"	"T"	"G"	"T"	"C"	"A"	"G"	"G"	"G"
	[,439]	[,440]	-, -	[,442]	[,443]	[,444]		[,446]	[,447]	[,448]		[,450]			[,453]
[1,] [2,]	"C" "C"	"T" "T"	"A" "A"	"G" "G"	"C" "C"	"C" "C"	"T" "T"	"G" "G"	"C" "C"	"C" "C"	"T" "T"	"G" "G"	"C" "C"	"T" "T"	"T" "T"
[3,]	"C"	"T"	"A"	"G"	"C"	"C"	"T"	"G"	"C"	"C"	"T"	"G"	"C"	"T"	"T"
[4,]	"C"	"T"	"A"	"G"	"C"	"C"	"T"	"G"	"C"	"C"	"T"	"G"	"C"	"T"	"T"
[5,] [6,]	"-" "C"	"-" "T"	"_" "A"	"-" "G"	"-" "C"	"-" "C"	"-" "T"	"-" "G"	"-" "C"	"-" "C"	"-" "T"	"-" "G"	"_" "C"	"-" "T"	"-" "T"
[0,]	[,454]	[,455]		[,457]	[,458]	[,459]	-	[,461]	[,462]	[,463]	•	[,465]	[,466]	[,467]	[,468]
[1,]	"A"	"C"	"G"	"C"	"G"	"C"	"G"	"C"	"T"	"G"	"C"	"G"	"G"	"A"	"T"
[2,] [3,]	"A" "A"	"C" "C"	"G" "G"	"C" "C"	"G" "G"	"C" "C"	"G" "G"	"C" "C"	"T" "T"	"G" "G"	"C" "C"	"G" "G"	"G" "G"	"A" "A"	"T" "T"
[4,]	"A"	"C"	"G"	"C"	"G"	"C"	"G"	"C"	"Ť"	"G"	"C"	"G"	"G"	"A"	"Ť"
[5,]	"-"	"-"	"-"	"-"	"-"	"-"	"-"	"-"	"-"	"-"	"-"	"-"	"_"	"-"	"-"
[6,]	"A" г 4601	"C" [,470]	"G" Г <i>47</i> 17	"С" Г 4727	"G" [,473]	"C" Г 4747	"G" Г 4757	"C" [,476]	"T" [,477]	"G" Г 4787	"C" [,479]	"G" [,480]	"G" Γ ⁄/ 817	"A" [,482]	"T" [,483]
[1,]	"T"	"G"	"T"	"T"	"G"	"C"	"T"	"C"	"C"	"G"	"T"	"T"	"G"	"T"	"A"
[2,]	"T"	"G"	"T"	"T"	"G"	"C"	"T"	"C"	"C"	"G"	"T"	"T"	"G"	"T"	"A"
[3,] [4,]	"T" "T"	"G" "G"	"T" "T"	"T" "T"	"G" "G"	"C" "C"	"T" "T"	"C" "C"	"C" "C"	"G" "C"	"T" "T"	"T" "T"	"G" "G"	"T" "T"	"A" "A"
[5,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"-"
[6,]	"T"	"G"	"T"	"T"	"G"	"C"	"T"	"C"	"C"	"G"	"T"	"T"	"G"	"T"	"A"
[1,]	[,484] "C"	[,485] "C"	[,486] "T"	[,487] "G"	[,488] "C"	[,489] "T"	[,490] "G"	[,491] "G"	[,492] "G"	[,493] "G"	[,494] "A"	[,495] "A"	[,496] "T"	[,497] "T"	[,498] "C"
[2,]	"C"	"C"	"T"	"G"	"C"	"T"	"G"	"G"	"G"	"G"	"A"	"A"	"†"	"T"	"C"
[3,]		"C"	"T"	"G"	"C"	"T"	"G"	"G"	"G"	"G"	"A"	"A"	"T"	"T"	"C"
[4,] [5,]	"C" "-"	"C" "_"	"T" "-"	"G" "_"	"C" "_"	"T" "_"	"G" "-"	"G" "_"	"G" "-"	"G" "-"	"A" "_"	"A" "-"	"T" "_"	"T" "-"	"C" "-"
[6,]	"C"	"C"	- "T"	- "G"	- "C"	- "T"	- "G"	- "G"	- "G"	- "G"	"A"	"A"	- "T"	- "T"	- "C"
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[3,]	"A"	"C"	"C"	"T"	"C"	"G"	"T"	"T"	"A"	"C"	"T"	"G"	"C"	"T"	"T"
[4,]	"A"	"C"	"C"	"T"	"C"	"G"	"T"	"T"	"A"	"C"	"T"	"G"	"C"	"T"	"T"
[5,] [6,]	"-" "A"	"-" "C"	"-" "C"	"-" "T"	"-" "C"	"-" "G"	"-" "T"	"-" "T"	"_" "A"	"-" "C"	"-" "T"	"-" "G"	"-" "C"	"-" "T"	"-" "T"
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[1,]	"G"	"A"	"T"	"A"	"T"	"C"	"T"	"T"	"C"	"C"	"A"	"C"	"C"	"C"	"C"
[2,]	"G" "G"	"A" "A"	"T" "T"	"A" "A"	"T" "T"	"C" "C"	"T" "T"	"T" "T"	"C" "C"	"C" "C"	"A" "A"	"C" "C"	"C" "C"	"C" "C"	"C" "C"
[3,]	u	А	'	А	'	C	'	'	C	C	А	C	C	C	C

[4,]	"G" "-"	"A" "_"	"T" "_"	"A" "_"	"T" "_"	"C" "_"	"T" "_"	"T" "_"	"C" "_"	"C" "_"	"A" "_"	"C" "_"	"C" "_"	"C" "_"	"C" "_"
[5,] [6,]	- "G"	"A"	- "T"	- "A"	- "T"	- "C"	- "T"	- "T"	- "C"	- "C"	"A"	- "C"	- "C"	- "C"	- "C"
L°,1		[,530]	•		[,533]	-		[,536]	[,537]	-	[,539]	-	[,541]	-	[,543]
[1,]	"T"	"T"	"A"	"C"	"A"	"A"	"A"	"A"	"T"	"C"	"A"	"G"	"A"	"A"	"_"
[2,]	"T"	"T"	"A"	"C"	"A"	"A"	"A"	"A"	"T"	"C"	"A"	"G"	"A"	"A"	"-"
[3,]	"T"	"T"	"A"	"C"	"A"	"A"	"A"	"A"	"T" "T"	"C"	"A"	"G"	"A"	"A"	"_"
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[6,]	- "T"	- "T"	"A"	- "C"	"A"	"A"	"A"	"A"	- "T"	- "C"	"A"	- "G"	"A"	"A"	"_"
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[4,] [5,]	"A" "A"	"G" "G"	"G" "A"	"C" "A"	"A" "A"	"A" "A"	"A" "A"	"C" "C"	"T"	"G" "G"	"T" "G"	"G"	"A" "G"	"A" "G"	"G" "G"
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[3,]	"-" "-"	"-" "_"	"-" "T"	"-" "C"	"-" "T"	"-" "T"	"-" "T"	"-" "T"	"-" "T"	"-" "T"	"-" "T"	"-" "T"	"-" "T"	"-" "C"	"_" "C"
[4,] [5,]		"A"	"A"	"A"	"A"	"G"	"A"	"T"	"C"	"T"	"C"	"T"	"G"	"A"	"A"
[6,]	"_"	"_"	"_"	"-"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"-"	"_"	"_"
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[4,]	"A"	- "G"	"A"	"A"	- "G"	- "T"	- "C"	"A"	- "T"	- "T"	- "T"	- "G"	- "C"	- "G"	- "A"
[5,]	"T"	"G"	"G"	"A"	"G"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
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[5,]	"C"	"C"	"A"	"A"	"G"	"C"	"A"	"G"	"C"	"T"	"C"	"T"	"C"	"T"	"A"
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[4,]		"G"	"C"	"T"	"G"	"C"	"T"	"T"	"G"	"C"	"G"	"T"	"T"	"G"	"G"
[5,]	"G"	"A"	"G"	"A"	"C"	"T"	"C"	"C"	"A"	"G"	"C"	"T"	"A"	"C"	"C"
[6,]	"G" [,664]	"G" [,665]	"C" [,666]	"T" [,667]	"G" [,668]	"C" [,669]	"T" [,670]	"T" [,671]	"G" [,672]	"C" [,673]	"G" [,674]	"T" Γ 6751	"T" [,676]	"G" [,677]	"G" [,678]
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[4,]	"C"	"A"	"G"	"C"	"G"	"A"	"C"	"A"	"C"	"A"	"C"	"A"	"T"	"C"	"C"
[5,]		"T"	"G" "G"	"T" "C"	"G" "G"	"C" "A"	"A" "T"	"G" "A"	"G" "C"	"G" "A"	"C"	"T" "A"	"T" "T"	"G" "C"	"A" "C"
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[2,]	"-"	"-"	"G"	"T"	"T"	"G"	"T"	"G"	"T"	"T"	"T"	"T"	"C"	"T"	"A"

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3,]	"T"	"G"	"G"	"C"	"C"	"A"	"A"	"G"	"A"	"A"	"G"	"A"	"A"	"A"	"G"
١,]	"T"	"G"	"G"	"C"	"C"	"A"	"A"	"G"	"A"	"A"	"G"	"A"	"A"	"A"	"G"
,]	"T"	"G"	"G"	"C"	"C"	"A"	"A"	"G"	"A"	"A"	"G"	"A"	"A"	"A"	"G"
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,] ,]	т "Т"	"G"	"C"	"A" "A"	"G" "G"	Α "Α"	Α "Α"	"C"	Α "Δ"	"T"	"T"	Α "Α"	"C"	Α "Α"	Α "Δ"
, ] , ]	"T"	"G"	"C"	"A"	"G"	"A"	"A"	"C"	"A"	"T"	"T"	"A"	"C"	"A"	"A"
, ] , ]	"T"	"G"	"C"	"A"	"G"	"A"	"A"	"C"	"A"	"T"	"T"	"A"	"C"	"A"	"A"
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, ,	"A"	"T"	"G"	"C"	"T"	"T"	"T"	"T"	"G"	"T"	"G"	"C"	"T"	"G"	"C"
, j	"A"	"T"	"G"	"C"	"T"	"T"	"T"	"T"	"G"	"T"	"G"	"C"	"T"	"G"	"C"
,ī	"A"	"T"	"G"	"C"	"T"	"T"	"T"	"T"	"G"	"T"	"G"	"C"	"T"	"G"	"C"
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,]	"T"	"C"	"A"	"C"	"A"	"G"	"T"	"C"	"A"	"C"	"C"	"G"	"C"	"T"	"G"
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,]	"T"	"C"	"A"	"C"	"T"	"G"	"T"	"C"	"A"	"C"	"C"	"G"	"C"	"T"	"G"
,]	"T"	"C"	"A"	"C"	"A"	"G"	"T"	"C"	"A"	"C"	"C"	"G"	"C"	"T"	"G"
_	[,949]	[,950]	[,951]	[,952]	[,953]	[,954]	[,955]	[,956]	[,957]		[,959]	[,960]	[,961]		[,963]
, _	"T" "T"	"C" "C"	"A" "A"	"T" "T"	"T" "T"	"G" "G"	"T" "T"	"G" "G"	"G" "G"	"G" "G"	"T" "T"	"A" "A"	"C" "C"	"A" "A"	"A" "A"
,]	"T"	"C"	Α "Δ"	т"	т"	"G"	"T"	"T"	"G"	"G"	"T"	Α "Α"	"C"	Α "Α"	Α "Α"
,] ,]	"T"	"C"	"A"	"T"	"T"	"G"	"T"	"G"	"G"	"G"	"T"	"A"	"C"	"A"	"A"
, ] , ]	"T"	"C"	"A"	"T"	"T"	"G"	"T"	"G"	"G"	"G"	"T"	"A"	"C"	"A"	"A"
, , , ]	"T"	"C"	"A"	"T"	"T"	"G"	"T"	"G"	"G"	"G"	"T"	"A"	"C"	"A"	"A"
۱,	[,964]	-			[,968]	[,969]	[,970]	[,971]	[,972]	[,973]	[,974]	[,975]			[,978]
.]	"T"	"C"	"C"	"T"	"T"	"G"	"G"	"A"	"T"	"T"	"T"	"A"	"C"	"C"	"C"
,]	"T"	"C"	"C"	"T"	"T"	"G"	"G"	"A"	"T"	"T"	"T"	"A"	"C"	"C"	"C"
	"T"	"C"	"C"	"T"	"T"	"G"	"G"	"A"	"T"	"T"	"T"	"A"	"C"	"C"	"C"
,j	"T"	"C"	"C"	"T"	"T"	"G"	"G"	"A"	"T"	"T"	"T"	"A"	"C"	"C"	"C"
,]	"T"	"C"	"C"	"T"	"T"	"G"	"G"	"A"	"T"	"T"	"T"	"A"	"C"	"C"	"C"
,]	"T"	"C"	"C"	"T"	"T"	"G"	"G"	"A"	"T"	"T"	"T"	"A"	"C"	"C"	"C"
	[,979]		[,981]	[,982]	[,983]	[,984]		[,986]	[,987]	-, -	[,989]	[,990]		-, -	[,993]
,]	"T"	"C"	"C"	"G"	"A"	"C"	"C"	"A"	"T"	"A"	"C"	"A"	"G"	"A"	"A"
,]	"T"	"C"	"C"	"G"	"A"	"C"	"C"	"A"	"T"	"A"	"C"	"A"	"G"	"A"	"A"
	"T"	"C"	"C"	"G"	"A"	"C"	"C"	"A"	"T"	"A"	"C"	"A"	"G"	"A"	"A"
,]	"T"	"C"	"C"	"G"	"A"	"C"	"C"	"A"	"T"	"A"	"C"	"A"	"G"	"A"	"A"
,]	"T" "T"	"C" "C"	"C" "C"	"G" "G"	"A" "A"	"C" "C"	"C" "C"	"A" "A"	"T" "T"	"A" "A"	"C" "C"	"A" "A"	"G" "G"	"A" "A"	"A" "A"
,]		-	-			-	-		•		-				
	[,994] "T"	[,995] "G"	[,996] "A"	[,997] "G"	[,998] "C"	[,999] "T"	L,1000_ "A"	] [,100] "C"	I] [,100 "C"	02] [,10 "G"	[,] [60 <i>0</i> 'G"			[,1006] "A"	[,1007] "A"
٦	-	"G"	"A"	"G"	"C"	т "Т"	"A"	"C"	"C"	"G"	"G'			"A"	"A"
-	"T"	u		"G"	"C"	т "Т"	"A"	"C"	"C"	"G"	"G'			"A"	"A"
,]	"T" "T"	"G"	- Δ -				_	_	C	u					
, ,]	"T"	"G" "G"	"A" "Δ"			"T"	"Δ"	"C"	"C"	"G"	"6'	' '',	G" '	"Δ"	"Δ"
,, ,, ,, ,,	-	"G" "G" "G"	"A" "A"	"G" "G"	"C" "C"	"T" "T"	"A" "A"	"C" "C"	"C" "C"	"G" "G"	"G' "G'			"A" "A"	"A" "A"

	"T"	"C"	"A"	"A"	"G"	"T"	"A"	"C"	"T"	"T"	"C"	"T"
[1,] "G" [2,] "G"	"T"	"C"	"A"	"A"	"G"	"T"	"A"	"C"	"T"	"T"	"C"	"T"
[3,] "G"	"T"	"C"	"A"	"A"	"G"	"T"	"A"	"C"	"T"	"T"	"C"	"T"
[4,] "G"	"T"	"C"	"A"	"A"	"G"	"T"	"A"	"C"	"T"	"T"	"C"	"T"
_ /_						-		"C"		·=	"C"	"T"
[5,] "G"	"T"	"C"	"A"	"A"	"G"	"T"	"A"		"T"	"T"		-
[6,] "G"	"T"	"C"	"A"	"A"	"G"	"T"	"A"	"C"	"T"	"T"	"C"	"T"
	[,1022]	[,1023]		[,1025]	[,1026]	[,1027]	[,1028]	[,1029]	[,1030]	[,1031]	[,1032]	[,1033]
[1,] "C"	"C"	"T"	"T"	"T"	"C"	"C"	"T"	"G"	"G"	"G"	"G"	"A"
[2,] "C"	"C"	"T"	"T"	"T"	"C"	"C"	"T"	"G"	"G"	"G"	"G"	"A"
[3,] "C"	"C"	"T"	"T"	"T"	"C"	"C"	"T"	"G"	"G"	"G"	"G"	"A"
[4,] "C"	"C"	"T"	"T"	"T"	"C"	"C"	"T"	"G"	"G"	"G"	"G"	"A"
[5,] "C"	"C"	"T"	"T"	"T"	"C"	"C"	"T"	"G"	"G"	"G"	"G"	"A"
[6,] "C"	"C"	"T"	"T"	"T"	"C"	"C"	"T"	"G"	"G"	"G"	"G"	"A"
[,1034]	[,1035]	[,1036]	[,1037]	[,1038]	[,1039]	[,1040]	Γ,10417	[,1042]	[,1043]	[,1044]	[,1045]	[,1046]
[1,] "A"	"Ć"	"T"	"Ť"	"C"	"T"	"G"	"A"	"T"	"G"	"A"	"G"	"G"
[2,] "A"	"C"	"T"	"T"	"C"	"T"	"G"	"A"	"T"	"G"	"A"	"G"	"G"
[3,] "A"	"C"	"T"	"T"	"C"	"T"	"G"	"A"	"T"	"G"	"A"	"G"	"G"
[4,] "A"	"C"	"T"	"T"	"C"	"T"	"G"	"A"	"T"	"G"	"A"	"G"	"G"
[5,] "A"	"C"	"T"	"T"	"C"	"T"	"G"	"A"	"T"	"G"	"A"	"G"	"G"
[6,] "A"	"C"	"T"	"T"	"C"	"T"	"G"	"A"	"T"	"G"	"A"	"G"	"G"
L- / J												
[,1047]		[,1049]	"T"	[,1051]	[,1052]	[,1053] "C"	[,1054]	[,1055]	[,1056]	[,1057]	[,1058] "G"	
[1,] "A"	"T"	"G"		"T"	"A"		"A"	"G"	"A"	"T"		"C"
[2,] "A"	"T"	"G"	"T"	"T"	"A"	"C"	"A"	"G"	"A"	"T"	"G"	"C"
[3,] "A"	"T"	"G"	"T"	"T"	"A"	"C"	"A"	"G"	"A"	"T"	"G"	"C"
[4,] "A"	"T"	"G"	"T"	"T"	"A"	"C"	"A"	"G"	"A"	"T"	"G"	"C"
[5,] "A"	"T"	"G"	"T"	"T"	"A"	"C"	"A"	"G"	"A"	"T"	"G"	"C"
[6,] "A"	"T"	"G"	"T"	"T"	"A"	"C"	"A"	"G"	"A"	"T"	"G"	"C"
	[,1061]	[,1062]		[,1064]	[,1065]	[,1066]	[,1067]	[,1068]	[,1069]	[,1070]	[,1071]	
[1,] "T"	"G"	"G"	"T"	"C"	"T"	"T"	"A"	"C"	"C"	"A"	"C"	"T"
[2,] "T"	"G"	"G"	"T"	"C"	"T"	"T"	"A"	"C"	"C"	"A"	"C"	"T"
[3,] "T"	"G"	"G"	"T"	"C"	"T"	"T"	"A"	"C"	"C"	"A"	"C"	"T"
[4,] "T"	"G"	"G"	"T"	"C"	"T"	"T"	"A"	"C"	"C"	"C"	"C"	"T"
[5,] "T"	"G"	"G"	"T"	"C"	"T"	"T"	"A"	"C"	"C"	"A"	"C"	"T"
[6,] "T"	"G"	"G"	"T"	"C"	"T"	"T"	"A"	"C"	"C"	"A"	"C"	"T"
[,1073]		[,1075]		[,1077]	[,1078]	[,1079]	[,1080]	[,1081]	[,1082]	[,1083]	[,1084]	[,1085]
[1,] "T"	"A"	"T"	"C"	"A"	"T"	"C"	"T"	"C"	"C"	"A"	"G"	"T"
[2,] "T"	"A"	"T"	"C"	"A"	"T"	"C"	"T"	"C"	"C"	"A"	"G"	"T"
- /-	"A"	"T"	"C"	"A"	"T"	"C"	"T"	"C"	"C"	"A"	"G"	"T"
L- / J		"T"	"C"	"A"	"T"	"C"	"T"	"C"	"C"	"A"	"G"	"T"
_ /_	"A"	-			-		-	-				-
[5,] "T"	"A"	"T"	"C"	"A"	"T"	"C"	"T"	"C"	"C"	"A"	"G"	"T"
[6,] "T"	"A"	"T"	"C"	"A"	"T"	"C"	"T"	"C"	"C"	"A"	"G"	"T"
	[,1087]	[,1088]	[,1089]		[,1091]	[,1092]	[,1093]	[,1094]	[,1095]	[,1096]	[,1097]	[,1098]
[1,] "C"	"T"	"T"	"G"	"T"	"C"	"A"	"C"	"A"	"G"	"G"	"A"	"A"
[2,] "C"	"T"	"T"	"G"	"T"	"C"	"A"	"C"	"A"	"G"	"G"	"A"	"A"
[3,] "C"					11.611	"A"		11 A 11	"G"			"A"
	"T"	"T"	"G"	"T"	"C"		"C"	"A"	u	"G"	"A"	A
[4,] "C"	"T" "T"	"T" "T"	"G" "G"	"T" "T"	"C"	"A"	"C"	"A"	"G"	"G" "G"	"A" "A"	"A"
[4,] "C" [5,] "C"												
[4,] "C" [5,] "C"	"T"	"T"	"G"	"T"	"C"	"A"	"C"	"A"	"G"	"G"	"A"	"A"
[4,] "C" [5,] "C" [6,] "C"	"T" "T" "T"	"T" "T" "T"	"G" "G" "G"	"T" "T" "T"	"C" "C" "C"	"A" "A" "A"	"C" "C" "C"	"A" "A" "A"	"G" "G" "G"	"G" "G" "G"	"A" "A" "A"	"A" "A" "A"
[4,] "C" [5,] "C" [6,] "C" [,1099]	"T" "T" "T" [,1100]	"T" "T" "T" [,1101]	"G" "G" "G" [,1102]	"T" "T" "T" [,1103]	"C" "C" "C" [,1104]	"A" "A" "A" [,1105]	"C" "C" "C" [,1106]	"A" "A" "A" [,1107]	"G" "G" "G" [,1108]	"G" "G" [,1109]	"A" "A" "A" [,1110]	"A" "A" "A" [,1111]
[4,] "C" [5,] "C" [6,] "C" [,1099] [1,] "T"	"T" "T" "T"	"T" "T" "T"	"G" "G" "G"	"T" "T" "T"	"C" "C" "C"	"A" "A" "A"	"C" "C" "C"	"A" "A" "A"	"G" "G" "G"	"G" "G" "G"	"A" "A" "A"	"A" "A" "A"
[4,] "C" [5,] "C" [6,] "C" [,1099] [1,] "T" [2,] "T"	"T" "T" "T" [,1100] "G" "G"	"T" "T" ",1101] "G" "G"	"G" "G" "G" [,1102] "C" "C"	"T" "T" "T" [,1103] "G" "G"	"C" "C" "C" [,1104] "G" "G"	"A" "A" "A" [,1105] "C" "C"	"C" "C" "C" [,1106] "G" "G"	"A" "A" "A" [,1107] "C" "C"	"G" "G" "G" [,1108] "T" "T"	"G" "G" "G" [,1109] "A" "A"	"A" "A" [,1110] "G" "G"	"A" "A" [,1111] "A" "A"
[4,] "C" [5,] "C" [6,] "C" [,1099] [1,] "T" [2,] "T" [3,] "T"	"T" "T" "T" [,1100] "G" "G" "G"	"T" "T" [,1101] "G" "G" "G"	"G" "G" [,1102] "C" "C" "C"	"T" "T" [,1103] "G" "G" "G"	"C" "C" [,1104] "G" "G" "G"	"A" "A" [,1105] "C" "C" "C"	"C" "C" [,1106] "G" "G" "G"	"A" "A" "A" [,1107] "C" "C" "C"	"G" "G" ",1108] "T" "T" "T"	"G" "G" [,1109] "A" "A" "A"	"A" "A" [,1110] "G" "G" "G"	"A" "A" [,1111] "A" "A" "A"
[4,] "C" [5,] "C" [6,] "C" [,1099] [1,] "T" [2,] "T" [3,] "T" [4,] "T"	"T" "T" "T" [,1100] "G" "G" "G" "G"	"T" "T" "T" [,1101] "G" "G" "G" "G"	"G" "G" "G" [,1102] "C" "C" "C" "C"	"T" "T" "T" [,1103] "G" "G" "G" "G"	"C" "C" "C" [,1104] "G" "G" "G"	"A" "A" [,1105] "C" "C" "C"	"C" "C" "C" [,1106] "G" "G" "G" "T"	"A" "A" "A" [,1107] "C" "C" "C"	"G" "G" "G" [,1108] "T" "T" "T"	"G" "G" "G" [,1109] "A" "A" "A"	"A" "A" [,1110] "G" "G" "G" "G"	"A" "A" [,1111] "A" "A" "A" "A"
[4,] "C" [5,] "C" [6,] "C" [1,1099] [1,] "T" [2,] "T" [3,] "T" [4,] "T" [5,] "T"	"T" "T" [,1100] "G" "G" "G" "G" "G"	"T" "T" [,1101] "G" "G" "G" "G" "G"	"G" "G" [,1102] "C" "C" "C" "C" "C"	"T" "T" [,1103] "G" "G" "G" "G" "G"	"C" "C" "C" [,1104] "G" "G" "G" "G"	"A" "A" [,1105] "C" "C" "C" "C"	"C" "C" [,1106] "G" "G" "T" "G"	"A" "A" "A" [,1107] "C" "C" "C" "C"	"G" "G" [,1108] "T" "T" "T" "T"	"G" "G" [,1109] "A" "A" "A" "A" "A"	"A" "A" [,1110] "G" "G" "G" "G" "G"	"A" "A" [,1111] "A" "A" "A" "A" "A"
[4,] "C" [5,] "C" [6,] "C" [,1099] [1,] "T" [2,] "T" [3,] "T" [4,] "T" [6,] "T"	"T" "T" [,1100] "G" "G" "G" "G" "G" "G"	"T" "T" [,1101] "G" "G" "G" "G" "G" "G"	"G" "G" [,1102] "C" "C" "C" "C" "C" "C"	"T" "T" [,1103] "G" "G" "G" "G" "G" "G"	"C" "C" "C" [,1104] "G" "G" "G" "G" "G" "G"	"A" "A" [,1105] "C" "C" "C" "C" "C"	"C" "C" [,1106] "G" "G" "T" "G" "G"	"A" "A" "A" [,1107] "C" "C" "C" "C" "C"	"G" "G" [,1108] "T" "T" "T" "T" "T"	"G" "G" [,1109] "A" "A" "A" "A" "A"	"A" "A" [,1110] "G" "G" "G" "G" "G" "G"	"A" "A" [,1111] "A" "A" "A" "A" "A" "A"
[4,] "C" [5,] "C" [6,] "C" [1,1099] [1,] "T" [2,] "T" [3,] "T" [4,] "T" [6,] "T" [,1112]	"T" "T" [,1100] "G" "G" "G" "G" "G" "G" "G" [,1113]	"T" "T" [,1101] "G" "G" "G" "G" "G" "G" "G" [,1114]	"G" "G" [,1102] "C" "C" "C" "C" "C" "C" "C" "C" "C"	"T" "T" [,1103] "G" "G" "G" "G" "G" "G" "G" "A" "G" [,1116]	"C" "C" [,1104] "G" "G" "G" "G" "G" "G" "G" "G"	"A" "A" [,1105] "C" "C" "C" "C" "C" "C" "C" "C" "C"	"C" "C" [,1106] "G" "G" "G" "T" "G" "G" "G" [,1119]	"A" "A" [,1107] "C" "C" "C" "C" "C" "C" "C" "C" "C" "C	"G" "G" [,1108] "T" "T" "T" "T" "T" "T" "T" "T"	"G" "G" [,1109] "A" "A" "A" "A" "A" "A" "A" "A" [,1122]	"A" "A" [,1110] "G" "G" "G" "G" "G" "G" "G" [,1123]	"A" "A" [,1111] "A" "A" "A" "A" "A" "A" "A" "A" [,1124]
[4,] "C" [5,] "C" [6,] "C" [1,] "T" [2,] "T" [3,] "T" [4,] "T" [5,] "T" [6,] "T" [1,] "T"	"T" "T" [,1100] "G" "G" "G" "G" "G" "G" "G" "A"	"T" "T" [,1101] "G" "G" "G" "G" "G" "G" "G" "G" "G" "G	"G" "G" [,1102] "C" "C" "C" "C" "C" "C" "T" "T"	"T" "T" [,1103] "G" "G" "G" "G" "G" "G" "A" "G" [,1116] "A"	"C" "C" [,1104] "G" "G" "G" "G" "G" "G" "G" "A"	"A" "A" [,1105] "C" "C" "C" "C" "C" "C" "G" "G" "G"	"C" "C" [,1106] "G" "G" "G" "G" "G" "G" "G" "G" "G"	"A" "A" [,1107] "C" "C" "C" "C" "C" "C" "C" "C" "C" "C	"G" "G" [,1108] "T" "T" "T" "T" "T" "T" "T" "A"	"G" "G" [,1109] "A" "A" "A" "A" "A" "A" "TA" "A" "TA" "TT"	"A" "A" [,1110] "G" "G" "G" "G" "G" "G" "C"	"A" "A" [,1111] "A" "A" "A" "A" "A" "A" "A" "A" "A"
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[4,] "C" [5,] "C" [6,] "C" [6,] "C" [1,] "T" [2,] "T" [4,] "T" [5,] "T" [6,] "T" [2,] "T" [2,] "T" [4,] "T" [5,] "T" [6,] "T" [5,] "T" [6,] "T" [6,] "T" [6,] "T" [6,] "T" [6,] "G" [4,] "G" [5,] "G"	"T" "T" "T,1100] "G" "G" "G" "G" "G" "A" "A" "A" "A" "A"	"T" "T" [,1101] "G" "G" "G" "G" "G" "G" "G" "G" "G" "G	"G" "G" "C" "C" "C" "C" "C" "T" "T" "T" "T" "T	"T" "T" [,1103] "G" "G" "G" "A" "A" "A" "A" "A" "A" "A"	"C" "C" [,1104] "G" "G" "G" "G" "G" "A" "A" "A" "A" "A"	"A" "A" [,1105] "C" "C" "C" "C" "C" [,1118] "G" "G" "G" "G" "G" "G" "A" "A" "A"	"C" "C" [,1106] "G" "G" "G" "G" "G" "G" "G" "G" "G" "G	"A" "A" "A" [,1107] "C" "C" "C" "C" [,1120] "C" "C" "C" "C" "C" "C" "G" "G" "G" "G"	"G" "G" [,1108] "T" "T" "T" "T" [,1121] "A" "A" "A" "A" "A" "G" "G" "G" "G"	"G" "G" [,1109] "A" "A" "A" "A" "A" "T" "T" "T" "T" "T"	"A" "A" [,1110] "G" "G" "G" "G" "C" "C" "C" "C" "C" "A" "A" "A" "A"	"A"
[4,] "C" [5,] "C" [6,] "C" [1,] "T" [2,] "T" [3,] "T" [4,] "T" [6,] "T" [2,] "T" [2,] "T" [3,] "T" [4,] "T" [5,] "T" [6,] "T" [5,] "T" [6,] "T" [6,] "G" [6,] "G" [6,] "G"	"T" "T" [,1100] "G" "G" "G" "G" "G" "A" "A" "A" "A" "A"	"T" "T" [,1101] "G" "G" "G" "G" "G" "G" "G" "G" "G" "G	"G" "G" [,1102] "C" "C" "C" "C" "C" "T" "T" "T" "T" "T"	"T" "T" [,1103] "G" "G" "G" "A" "A" "A" "A" "A" "A" "A"	"C" "C" "G" "G" "G" "G" "G" "A" "A" "A" "A" "A	"A" "A" [,1105] "C" "C" "C" "C" "G" "G" "G" "G" "G" "G"	"C" "C" [,1106] "G" "G" "G" "G" "G" "G" "G" "G" "G" "G	"A" "A" "A" [,1107] "C" "C" "C" "C" "C" "C" "C" "C" "C" "C	"G" "G" [,1108] "T" "T" "T" "T" "T" [,1121] "A" "A" "A" "A" "A" "G" "G" "G" "G" "G"	"G" "A" "A" "A" "A" "A" "T" "T" "T" "T" "T	"A" "A" "G" "G" "G" "G" "G" "C" "C" "C" "C" "C	"A"
[4,] "C" [5,] "C" [6,] "C" [1,] "T" [2,] "T" [3,] "T" [4,] "T" [5,] "T" [6,] "T" [2,] "T" [2,] "T" [4,] "T" [5,] "T" [4,] "T" [5,] "T" [6,] "T" [6,] "T" [6,] "G" [2,] "G" [3,] "G" [4,] "G" [5,] "G" [6,] "G" [6,] "G" [6,] "G" [6,] "G"	"T" "T" [,1100] "G" "G" "G" "G" "G" "A" "A" "A" "A" "A"	"T" "T" "T" [,1101] "G" "G" "G" "G" "G" "G" "G" "G" "G" "G	"G" "G" [,1102] "C" "C" "C" "C" "C" [,1115] "T" "T" "T" "T" "T" "A" "A" "A" "A" "A"	"T" "T" [,1103] "G" "G" "G" "G" "A" "A" "A" "A" "A" "A"	"C" "C" [,1104] "G" "G" "G" "G" "A" "A" "A" "A" "A" "A"	"A" "A" [,1105] "C" "C" "C" "C" "C" "G" "G" "G" "G" "G"	"C" "C" [,1106] "G" "G" "G" "G" "G" "G" "G" "G" "G" "G	"A" "A" "A" [,1107] "C" "C" "C" "C" "C" "C" "C" "C" "C" "C	"G" "G" [,1108] "T" "T" "T" "T" "A" "A" "A" "A" "A" "G" "G" "G" "G" "G	"G" "G" [,1109] "A" "A" "A" "A" "A" "A" "T" "T" "T" "T"	"A" "A" [,1110] "G" "G" "G" "G" "C" "C" "C" "C" "C" "C"	"A"
[4,] "C" [5,] "C" [6,] "C" [1,] "T" [2,] "T" [3,] "T" [4,] "T" [5,] "T" [6,] "T" [2,] "T" [2,] "T" [4,] "T" [5,] "T" [4,] "T" [5,] "T" [6,] "T" [6,] "T" [6,] "G" [6,] "G" [6,] "G" [6,] "G" [6,] "G" [1,138] [1,] "T"	"T" "T" "T" [,1100] "G" "G" "G" "G" "A" "A" "A" "A" "A" "G" "G	"T" "T" "T" [,1101] "G" "G" "G" "G" "G" "G" "G" "G" "G" "G	"G" "G" "C" "C" "C" "C" "C" "T" "T" "T" "T" "T	"T" "T" [,1103] "G" "G" "G" "A" "A" "A" "A" "A" "A" "A"	"C" "C" "G" "G" "G" "G" "A" "A" "A" "A" "A" "G" "G	"A" "A" [,1105] "C" "C" "C" "C" "G" "G" "G" "G" "G" "A" "A" "A" "A" "A	"C" "C" [,1106] "G" "G" "G" "G" "G" "G" "G" "G" "G" "G	"A" "A" "A" [,1107] "C" "C" "C" "C" "C" "C" "C" "C" "C" "C	"G" "G" [,1108] "T" "T" "T" "T" [,1121] "A" "A" "A" "A" "A" "G" "G" "G" "G" "G"	"G" "G" [,1109] "A" "A" "A" "A" "A" "T" "T" "T" "T" "T"	"A" "A" [,1110] "G" "G" "G" "G" "C" "C" "C" "C" "C" "A" "A" "A" "A" "A	"A"
[4,] "C" [5,] "C" [6,] "C" [1,] "T" [2,] "T" [3,] "T" [4,] "T" [5,] "T" [6,] "T" [2,] "T" [3,] "T" [4,] "T" [5,] "T" [4,] "T" [5,] "T" [6,] "T" [6,] "G" [2,] "G" [3,] "G" [4,] "G" [5,] "G" [6,] "G" [6,] "G" [1,] "SB] [1,] "T" [2,] "T"	"T" "T" [,1100] "G" "G" "G" "G" "G" [,1113] "A" "A" "A" "A" "A" "G" "G" "G" "G" "G"	"T" "T" "T" [,1101] "G" "G" "G" "G" "G" "G" "G" "G" "G" "G	"G" "G" [,1102] "C" "C" "C" "C" "C" [,1115] "T" "T" "T" "T" "A" "A" "A" "A" "A" "A"	"T" "T" [,1103] "G" "G" "G" "A" "A" "A" "A" "A" "A" "A"	"C" "C" [,1104] "G" "G" "G" "G" "A" "A" "A" "A" "A" "G" "G	"A" "A" [,1105] "C" "C" "C" "C" "G" "G" "G" "G" "G" "A" "A" "A" "A" "A	"C" "C" [,1106] "G" "G" "G" "G" "G" "G" "G" "G" "G" "G	"A" "A" "A" [,1107] "C" "C" "C" "C" "C" "C" "C" "C" "C" "C	"G" "G" [,1108] "T" "T" "T" "T" "A" "A" "A" "A" "A" "G" "G" "G" "G" "G	"G" "G" [,1109] "A" "A" "A" "A" "A" "T" "T" "T" "T" "T"	"A" "A" [,1110] "G" "G" "G" "G" "C" "C" "C" "C" "C" "A" "A" "A" "A" "A	"A" "A" [,1111] "A" "A" "A" "A" "A" "A" "A" "A" "A" "A
[4,] "C" [5,] "C" [6,] "C" [6,] "T" [2,] "T" [3,] "T" [4,] "T" [5,] "T" [6,] "T" [2,] "T" [3,] "T" [4,] "T" [5,] "T" [6,] "T" [6,] "T" [6,] "G" [2,] "G" [3,] "G" [4,] "G" [5,] "G" [6,] "G" [6,] "G" [1,1138] [1,] "T" [2,] "T" [2,] "T" [3,] "T"	"T" "T" [,1100] "G" "G" "G" "G" "G" [,1113] "A" "A" "A" "A" "A" "G" "G" "G" "G" "G"	"T" "T" "G" "G" "G" "G" "G" "G" "G" "G"	"G" "G" [,1102] "C" "C" "C" "C" "C" [,1115] "T" "T" "T" "T" "A" "A" "A" "A" "A" "A"	"T" "T" [,1103] "G" "G" "G" "A" "A" "A" "A" "A" "A" "A"	"C" "C" [,1104] "G" "G" "G" "G" "A" "A" "A" "A" "A" "G" "G	"A" "A" [,1105] "C" "C" "C" "C" "G" "G" "G" "G" "A" "A" "A" "A" "A" "A	"C" "C" [,1106] "G" "G" "G" "G" "G" "G" "G" "G" "G" "T" "T	"A" "A" "A" "C" "C" "C" "C" "C" "C" "C"	"G" "G" [,1108] "T" "T" "T" "T" "A" "A" "A" "A" "A" "G" "G" "G" "G" "G	"G" "G" [,1109] "A" "A" "A" "A" "A" "T" "T" "T" "T" "G" "G" "G" "G" "G" "G	"A" "A" [,1110] "G" "G" "G" "G" "C" "C" "C" "C" "C" "A" "A" "A" "A" "A	"A"
[4,] "C" [5,] "C" [6,] "C" [6,] "T" [2,] "T" [3,] "T" [4,] "T" [5,] "T" [6,] "T" [2,] "T" [3,] "T" [4,] "T" [5,] "T" [6,] "T" [6,] "T" [6,] "G" [7,1138] [1,] "T" [2,] "T" [4,] "T" [4,] "T" [4,] "T"	"T" "T" [,1100] "G" "G" "G" "G" "G" "A" "A" "A" "A" "A"	"T" "T" "T" [,1101] "G" "G" "G" "G" "G" "G" "G" "G" "G" "G	"G" "G" "C" "C" "C" "C" "C" "T" "T" "T" "T" "A" "A" "A" "A" "A" "A	"T" "T" [,1103] "G" "G" "G" "A" "A" "A" "A" "A" "A" "A"	"C" "C" [,1104] "G" "G" "G" "G" "A" "A" "A" "A" "A" "G" "G	"A" "A" [,1105] "C" "C" "C" "C" "G" "G" "G" "G" "A" "A" "A" "A" "A" "A	"C" "C" [,1106] "G" "G" "G" "G" "G" "G" "G" "G" "G" "T" "T	"A" "A" "A" "C" "C" "C" "C" "C" "C" "C"	"G" "G" [,1108] "T" "T" "T" "T" [,1121] "A" "A" "A" "A" "G" "G" "G" "G" "G" "G"	"G" "A" "A" "A" "A" "T" "T" "T" "T" "G" "G" "G" "G" "G" "G	"A" "A" [,1110] "G" "G" "G" "G" [,1123] "C" "C" "C" "C" "A" "A" "A" "A" "A" "A"	"A"
[4,] "C" [5,] "C" [6,] "C" [1,] "T" [2,] "T" [3,] "T" [4,] "T" [5,] "T" [6,] "T" [2,] "T" [3,] "T" [4,] "T" [5,] "T" [6,] "T" [6,] "T" [6,] "G" [2,] "G" [2,] "G" [5,] "G" [6,] "G" [7,1138] [1,] "T" [2,] "T" [2,] "T" [3,] "T" [4,] "T" [2,] "T" [3,] "T" [4,] "T" [2,] "T" [4,] "T" [4,] "T" [5,] "T"	"T" "T" [,1100] "G" "G" "G" "G" "G" "A" "A" "A" "A" "G" "G	"T" "T" "T" [,1101] "G" "G" "G" "G" "G" "G" "G" "G" "G" "G	"G" "G" "C" "C" "C" "C" "C" "T" "T" "T" "T" "T	"T" "T" [,1103] "G" "G" "G" "A" "A" "A" "A" "A" "A" "A"	"C" "C" "G" "G" "G" "G" "A" "A" "A" "A" "A" "G" "G	"A" "A" [,1105] "C" "C" "C" "C" "G" "G" "G" "G" "A" "A" "A" "A" "A" "A	"C" "C" [,1106] "G" "G" "G" "G" "G" "G" "G" "G" "G" "G	"A" "A" "A" [,1107] "C" "C" "C" "C" "C" "C" "C" "C" "C" "C	"G" "G" "T" "T" "T" "T" "A" "A" "A" "A" "G" "G" "G" "G" "G" "G	"G" "A" "A" "A" "A" "A" "T" "T" "T" "T" "T	"A" "A" "G" "G" "G" "G" "C" "C" "C" "C" "C" "A" "A" "A" "A" "A	"A"
[4,] "C" [5,] "C" [6,] "C" [6,] "T" [2,] "T" [3,] "T" [4,] "T" [5,] "T" [6,] "T" [2,] "T" [3,] "T" [4,] "T" [5,] "T" [6,] "T" [6,] "T" [6,] "G" [7,1138] [1,] "T" [2,] "T" [4,] "T" [4,] "T" [4,] "T"	"T" "T" [,1100] "G" "G" "G" "G" "G" "A" "A" "A" "A" "A"	"T" "T" "T" [,1101] "G" "G" "G" "G" "G" "G" "G" "G" "G" "G	"G" "G" "C" "C" "C" "C" "C" "T" "T" "T" "T" "A" "A" "A" "A" "A" "A	"T" "T" [,1103] "G" "G" "G" "A" "A" "A" "A" "A" "A" "A"	"C" "C" [,1104] "G" "G" "G" "G" "A" "A" "A" "A" "A" "G" "G	"A" "A" [,1105] "C" "C" "C" "C" "G" "G" "G" "G" "A" "A" "A" "A" "A" "A	"C" "C" [,1106] "G" "G" "G" "G" "G" "G" "G" "G" "G" "T" "T	"A" "A" "A" "C" "C" "C" "C" "C" "C" "C"	"G" "G" [,1108] "T" "T" "T" "T" [,1121] "A" "A" "A" "A" "G" "G" "G" "G" "G" "G"	"G" "A" "A" "A" "A" "T" "T" "T" "T" "G" "G" "G" "G" "G" "G	"A" "A" [,1110] "G" "G" "G" "G" [,1123] "C" "C" "C" "C" "A" "A" "A" "A" "A" "A"	"A"

	Γ.11517	Γ.11527	[,1153]	Γ.11547	Γ.11557	Г.11567	Γ.11577	Γ.11587	Γ.11597	Г.11607	Г.11617	Γ.11627	Г.11637
[1,]		"T"	"A"	"T"	"T"	"A"	"T"	"A"	"T"	"G"	"A"	"C"	"T"
[2,]		"T"	"A"	"T"	"T"	"A"	"T"	"A"	"T"	"G"	"A"	"C"	"T"
[3,]		"T"	"A"	"T"	"T"	"A"	"T"	"A"	"T"	"G"	"A"	"C"	"T"
[4,]		"T"	"A"	"T"	"T"	"A"	"T"	"A"	"T"	"G"	"A"	"C"	"T"
[5,] [6,]		"T" "T"	"A" "A"	"T" "T"	"T" "T"	"A" "A"	"T" "T"	"A" "A"	"T" "T"	"G" "G"	"A" "A"	"C" "C"	"T" "T"
[0,]		[,1165]		[,1167]	-	[,1169]	-		[,1172]		[,1174]		, [,1176]
[1,]		"C"	"C"	"A"	"C"	"C"	"A"	"T"	"C"	"A"	"T"	"T"	"G"
[2,]		"C"	"C"	"A"	"C"	"C"	"A"	"T"	"C"	"A"	"T"	"T"	"G"
[3,]		"C"	"C"	"A"	"C"	"C"	"A"	"T"	"C"	"A"	"T"	"T"	"G"
[4,]		"C"	"C"	"A"	"C"	"C"	"A"	"T"	"C"	"A"	"T"	"T"	"G"
[5,] [6,]		"C" "C"	"C" "C"	"A" "A"	"C" "C"	"C" "C"	"A" "A"	"T" "T"	"C" "C"	"A" "A"	"T" "T"	"T" "T"	"G" "G"
[0,]		[,1178]	[,1179]			-		-	[,1185]		·=	[,1188]	
[1,]		"T"	"G"	"T"	"G"	"G"	"T"	"G"	"A"	"T"	"T"	"G"	"G"
[2,]		"T"	"G"	"T"	"G"	"G"	"T"	"G"	"A"	"T"	"T"	"G"	"G"
[3,]		"T"	"G"	"T"	"G"	"G"	"T"	"G"	"A"	"T"	"T"	"G"	"G"
[4,]		"T"	"G"	"T"	"G"	"G"	"T"	"G"	"A"	"T"	"T"	"G"	"G"
[5,] [6,]		"T" "T"	"G" "G"	"T" "T"	"G" "G"	"G" "G"	"T" "T"	"G" "G"	"A" "A"	"T" "T"	"T" "T"	"G" "G"	"G" "G"
[0,]		[,1191]	[,1192]	[,1193]		[,1195]	[,1196]	[,1197]	[,1198]		[,1200]	[,1201]	
[1,]		"A"	"T"	"A"	"A"	"T"	"C"	"A"	"T"	"T"	"G"	"T"	"C"
[2,]		"A"	"T"	"A"	"A"	"T"	"C"	"A"	"T"	"T"	"G"	"T"	"C"
[3,]		"A"	"T"	"A"	"A"	"T"	"C"	"A"	"T"	"T"	"G"	"T"	"C"
[4,]		"A"	"T"	"A"	"A"	"T"	"C"	"A"	"T"	"T"	"G"	"T"	"C"
[5,] [6,]		"A" "A"	"T" "T"	"A" "A"	"A" "A"	"T" "T"	"C" "C"	"A" "A"	"T" "T"	"T" "T"	"G" "G"	"T" "T"	"C" "C"
[6,]		[,1204]	[,1205]	[,1206]		[,1208]	Γ,12097		Γ,12117		[,1213]	[,1214]	
[1,]		"T"	"C"	"A"	"T"	"C"	"A"	"T"	"C"	"C"	"A"	"T"	"C"
[2,]		"T"	"C"	"A"	"T"	"C"	"A"	"T"	"C"	"C"	"A"	"T"	"C"
[3,]		"T"	"C"	"A"	"T"	"C"	"A"	"T"	"C"	"C"	"A"	"T"	"C"
[4,]		"T"	"C"	"A"	"T"	"C"	"A"	"T"	"C"	"C"	"A"	"T"	"C"
[5,]		"T" "T"	"C" "C"	"A" "A"	"T" "T"	"C" "C"	"A" "A"	"T" "T"	"C" "C"	"C" "C"	"A" "A"	"T" "T"	"C" "C"
[6,]		[,1217]	[,1218]	[,1219]	-	[,1221]	[,1222]	·=	[,1224]		[,1226]		[,1228]
[1,]		"T"	"G"	"G"	"G"	"A"	"A"	"G"	"G"	"G"	"C"	"A"	"C"
[2,]		"T"	"G"	"G"	"G"	"A"	"A"	"G"	"G"	"G"	"C"	"A"	"C"
[3,]	"C"	"T"	"G"	"G"	"G"	"A"	"A"	"G"	"G"	"G"	"C"	"A"	"C"
[4,]		"T"	"G"	"G"	"G"	"A"	"A"	"G"	"G"	"G"	"C"	"A"	"C"
[5,]		"T"	"G"	"G"	"G"	"A"	"A"	"G"	"G"	"G"	"C"	"A"	"C"
[6,]		"T" [,1230]	"G" [,1231]	"G" F 12327	"G" [,1233]	"A" [,1234]	"A" [,1235]	"G" [,1236]	"G" [,1237]	"G" F 12387	"C" [,1239]	"A" [,1240]	"C" [,1241]
[1,]		"A"	"A"	"G"	"G"	"A"	"A"	"A"	"A"	"C"	"A"	"T"	"G"
[2,]		"A"	"A"	"G"	"G"	"A"	"A"	"A"	"A"	"C"	"A"	"T"	"G"
[3,]		"A"	"A"	"G"	"G"	"A"	"A"	"A"	"A"	"C"	"A"	"T"	"G"
[4,]		"A"	"A"	"G"	"G"	"A"	"A"	"A"	"A"	"C"	"A"	"T"	"G"
[5,]		"A"	"A"	"G" "G"	"G"	"A"	"A"	"A"	"A"	"C" "C"	"A"	"T" "T"	"G" "G"
[6,]		"A" [,1243]	"A" [,1244]		"G" [,1246]	"A" [,1247]	"A" [,1248]	"A" [,1249]	"A" [,1250]		"A" [,1252]	[,1253]	
[1,]		"A"	"C"	"A"	"G"	"A"	"G"	"A"	"A"	"G"	"G"	"C"	"A"
[2,]		"A"	"C"	"A"	"G"	"A"	"G"	"A"	"A"	"G"	"G"	"C"	"A"
[3,]	"C"	"A"	"C"	"A"	"G"	"A"	"G"	"A"	"A"	"G"	"G"	"C"	"A"
[4,]		"A"	"C"	"A"	"G"	"A"	"G"	"A"	"A"	"G"	"G"	"C"	"A"
[5,] [6,]		"A" "A"	"C" "C"	"A" "A"	"G" "G"	"A" "A"	"G" "G"	"A" "A"	"A" "A"	"G" "G"	"G" "G"	"C" "C"	"A" "A"
[6,]	[,1255]	[,1256]	[,1257]	[,1258]		[,1260]	[,1261]	[,1262]	[,1263]		[,1265]		[,1267]
[1,]		"A"	"A"	"T"	"T"	"G"	"T"	"A"	"C"	"G"	"A"	"G"	"T"
[2,]		"A"	"A"	"T"	"T"	"G"	"T"	"A"	"C"	"A"	"A"	"G"	"T"
[3,]		"A"	"A"	"T"	"T"	"G"	"T"	"A"	"C"	"A"	"A"	"G"	"T"
[4,]		"A"	"G"	"T"	"T"	"G"	"T"	"A"	"C"	"G"	"A"	"G"	"T"
[5,] [6,]		"A" "A"	"A" "A"	"T" "T"	"T" "T"	"G" "G"	"T" "T"	"A" "A"	"C" "C"	"A" "A"	"A" "A"	"G" "G"	"T" "T"
[6,]	[,1268]		[,1270]	[,1271]		[,1273]	[,1274]	[,1275]	[,1276]	[,1277]	[,1278]	[,1279]	[,1280]
[1,]		"A"	"C"	"A"	"G"	"C"	"T"	"G"	"C"	"A"	"G"	"A"	"T"
[2,]		"A"	"C"	"A"	"G"	"C"	"T"	"G"	"C"	"A"	"G"	"A"	"T"
[3,]		"A"	"C"	"A"	"G"	"C"	"T"	"G"	"C"	"A"	"G"	"A"	"T"
[4,]		"A"	"C"	"A"	"G"	"C"	"T"	"G"	"C"	"A"	"G"	"A"	"T"
[5,] [6,]		"A" "A"	"C" "C"	"A" "A"	"G" "G"	"C" "C"	"T" "T"	"G" "G"	"C" "C"	"A" "A"	"G" "G"	"A" "A"	"T" "T"
Ľo,∫	[,1281]		[,1283]		[,1285]	[,1286]	[,1287]			[,1290]	[,1291]	[,1292]	[,1293]
[1,]		"C"	"C"	"T"	"T"	"C"	"C"	"T"	"G"	"G"	"A"	"C"	"T"
[2,]		"C"	"C"	"T"	"T"	"C"	"C"	"T"	"G"	"G"	"A"	"C"	"T"
[3,]		"C"	"C"	"T"	"T"	"C"	"C"	"T"	"G"	"G"	"A"	"C"	"T"
[4,]		"C"	"C"	"T"	"T"	"C"	"C"	"T"	"G"	"G"	"A"	"C"	"T"
[5,]	.G.,	"C"	"C"	"T"	"T"	"C"	"C"	"T"	"G"	"G"	"A"	"C"	"T"

[6,]	"G"	"C"	"C"	"T"	"T"	"C"	"C"	"T"	"G"	"G"	"A"	"C"	"
		[,1295]	[,1296]	[,12977	[,12987	[,12997	[,13007	[,13017	[,1302]	[,1303]	[,1304]	[,1305]	ı
[1,]		"G"	"A"	"T"	"Ć"	"A"	"G"	"G"	"A"	"A"	"Ć"	"A"	
	"T"	"G"	"A"	"T"	"C"	"A"	"G"	"G"	"A"	"A"	"C"	"A"	
[2,]				-									
[3,]		"G"	"A"	"T"	"C"	"A"	"G"	"G"	"A"	"A"	"C"	"A"	
[4,]	"T"	"G"	"A"	"T"	"C"	"A"	"G"	"G"	"A"	"A"	"C"	"A"	
[5,]	"T"	"G"	"A"	"T"	"C"	"A"	"G"	"G"	"A"	"A"	"C"	"A"	
[6,]	"T"	"G"	"A"	"T"	"C"	"A"	"G"	"G"	"A"	"A"	"C"	"A"	
L~,_	[,1307]	[,1308]	[,1309]	-		[,1312]			[,1315]			[,1318]	
F4 7													
[1,]		"T"	"T"	"C"	"C"	"C"	"T"	"C"	"C"	"A"	"A"	"A"	
[2,]	"G"	"T"	"T"	"C"	"C"	"C"	"T"	"C"	"C"	"A"	"A"	"A"	
[3,]	"G"	"T"	"T"	"C"	"C"	"C"	"T"	"C"	"C"	"A"	"A"	"A"	
[4,]	"G"	"T"	"T"	"C"	"C"	"C"	"T"	"C"	"C"	"G"	"A"	"A"	
		"T"	"T"	-			"T"	"C"	"C"				
[5,]		-	-	"C"	"C"	"C"	-	-	-	"A"	"A"	"A"	
[6,]		"T"	"T"	"C"	"C"	"C"	"T"	"C"	"C"	"A"	"A"	"A"	
	[,1320]	[,1321]	[,1322]	[,1323]	[,1324]	[,1325]	[,1326]	[,1327]	[,1328]	[,1329]	[,1330]	[,1331]	
[1,]	"C"	"T"	"G"	"G"	"T"	"A"	"G"	"A"	"A"	"G"	"C"	"C"	
[2,]		"T"	"G"	"G"	"T"	"A"	"G"	"A"	"A"	"G"	"C"	"C"	
		"T"	"G"	"G"	"T"	"A"	"G"	"A"	"A"	"G"	"C"	"C"	
[3,]													
[4,]	"C"	"T"	"G"	"G"	"T"	"A"	"G"	"A"	"A"	"G"	"C"	"T"	
[5,]	"C"	"T"	"G"	"G"	"T"	"A"	"G"	"A"	"A"	"G"	"C"	"C"	
[6,]	"C"	"T"	"G"	"G"	"T"	"A"	"G"	"A"	"A"	"G"	"C"	"C"	
, _	[,1333]	[,1334]	[,1335]	[,1336]	[,1337]	[,1338]		[,1340]	[,1341]	[,1342]	[,1343]	Γ,13447	
F4 7			"T"	[,1330]	L,1337]							[,1344] "T"	
[1,]		"C"	-	-	-	"A"	"A"	"A"	"C"	"A"	"G"	•	
[2,]	"G"	"C"	"T"	"T"	"T"	"A"	"A"	"A"	"C"	"A"	"G"	"T"	
[3,]	"G"	"C"	"T"	"T"	"T"	"A"	"A"	"A"	"C"	"A"	"G"	"T"	
[4,]	"G"	"C"	"T"	"T"	"T"	"A"	"A"	"A"	"C"	"A"	"G"	"T"	
[5,]		"C"	"T"	"T"	"T"	"A"	"A"	"A"	"C"	"A"	"G"	"T"	
	"G"	"C"	"T"	"T"	"T"	"A"	"A"	"A"	"C"	"A"	"G"	"T"	,
[6,]		-	-	-	·=				-			-	
_	[,1346]	[,1347]	[,1348]	[,1349]	[,1350]	[,1351]		[,1353]	[,1354]	[,1355]	[,1356]	[,1357]	
[1,]	"T"	"A"	"A"	"A"	"A"	"C"	"C"	"A"	"A"	"C"	"T"	"A"	
[2,]	"T"	"A"	"A"	"A"	"A"	"C"	"C"	"A"	"A"	"C"	"T"	"A"	
[3,]	"T"	"A"	"A"	"A"	"A"	"C"	"C"	"A"	"A"	"C"	"T"	"A"	
	"T"	"A"	"A"	"A"	"A"	"C"	"C"	"A"	"A"	"C"	"T"	"A"	
[4,]													
[5,]	"T"	"A"	"A"	"A"	"A"	"C"	"C"	"A"	"A"	"C"	"T"	"A"	
[6,]	"T"	"A"	"A"	"A"	"A"	"C"	"C"	"A"	"A"	"C"	"T"	"A"	
	[,1359]	[,1360]	[,1361]	[,1362]	[,1363]	[,1364]	[,1365]	[,1366]	[,1367]	[,1368]	[,1369]	[,1370]	
[1,]		"A"	"G"	"A"	"A"	"G"	"A"	"G"	"A"	"A"	"G"	"C"	
[2,]		"A"	"G"	"A"	"A"	"G"	"A"	"G"	"A"	"A"	"G"	"C"	
[3,]	"G"	"A"	"G"	"A"	"A"	"G"	"A"	"G"	"A"	"A"	"G"	"C"	
[4,]	"G"	"A"	"G"	"A"	"A"	"G"	"A"	"G"	"A"	"A"	"G"	"C"	
[5,]	"G"	"A"	"G"	"A"	"A"	"G"	"A"	"G"	"A"	"A"	"G"	"C"	
Γ6,7	"G"	"A"	"G"	"A"	"A"	"G"	"A"	"G"	"A"	"A"	"G"	"C"	
,_	[,1372]	[,1373]	[,1374]	Γ,13757	[,1376]	Γ 13777	[,1378]	[,1379]	[,1380]	[,1381]	[,1382]	[,1383]	
[1,]		"T"	"A"	"A"	"A"	"G"	"T"	"G"	"C"	"C"	"C"	"A"	
		-					-						
[2,]		"T"	"A"	"A"	"A"	"G"	"T"	"G"	"C"	"C"	"C"	"A"	
[3,]	"T"	"T"	"A"	"A"	"A"	"G"	"T"	"G"	"C"	"C"	"C"	"A"	
[4,]	"T"	"T"	"A"	"A"	"A"	"G"	"T"	"G"	"C"	"C"	"C"	"A"	
[5,]	"T"	"T"	"A"	"A"	"A"	"G"	"T"	"G"	"C"	"C"	"C"	"A"	
[6,]	"T"	"T"	"A"	"A"	"A"	"G"	"T"	"G"	"C"	"C"	"C"	"A"	
L~, ]		-					•			-			
-a -	[,1385]	[,1386]	[,1387]	[,1388]	[,1389]	[,1390]	[,1391]	[,1392]	[,1393]	[,1394]	[,1395]	[,1396]	
[1,]		"C"	"A"	"G"	"G"	"C"	"C"	"A"	"A"	"C"	"G"	"A"	
[2,]	"C"	"C"	"A"	"G"	"G"	"C"	"C"	"A"	"A"	"C"	"G"	"A"	
[3,]	"C"	"C"	"A"	"G"	"G"	"C"	"C"	"A"	"A"	"C"	"G"	"A"	
[4,]		"C"	"A"	"G"	"G"	"C"	"C"	"A"	"A"	"C"	"G"	"A"	
[5,]		"C"	"A"	"G"	"G"	"C"	"C"	"A"	"A"	"C"	"G"	"A"	
LC _	"С"	"C"	"A"	"G"	"G"	"C"	"C"	"A"		"C"		"A"	
[6,]									"A"		"G"		
	[,1398]	[,1399]	[,1400]	[,1401]	[,1402]	[,1403]	[,1404]	[,1405]	[,1406]	[,1407]	[,1408]	[,1409]	
[1,]	"A"	"C"	"G"	"C"	"T"	"T"	"G"	"T"	"G"	"G"	"G"	"T"	
[2,]		"C"	"G"	"C"	"T"	"T"	"T"	"T"	"G"	"G"	"T"	"T"	
[3,]		"C"	"G"	"C"	"T"	"T"	"G"	"T"	"G"	"G"	"G"	"T"	
					-	-		"T"				-	
[4,]		"C"	"G"	"C"	"T"	"T"	"G"	-	"G"	"G"	"G"	"T"	
[5,]	"A"	"C"	"G"	"C"	"T"	"C"	"G"	"T"	"G"	"G"	"G"	"T"	
[6,]	"A"	"C"	"G"	"C"	"T"	"T"	"G"	"T"	"G"	"G"	"G"	"T"	
_ ,_	[,1411]	[,1412]	[,1413]	[,1414]	[,1415]	[,1416]	[,1417]	[,1418]	[,1419]	[,1420]	[,1421]	[,1422]	
[1,]		"T"	"G"	"T"	"G"	"A"	"T"	"A"	"A"	"A"	"C"	"A"	
[2,]		"T"	"G"	"T"	"G"	"A"	"T"	"A"	"A"	"A"	"C"	"A"	
[3,]		"T"	"G"	"T"	"G"	"A"	"T"	"A"	"A"	"A"	"C"	"A"	
	"C"	"T"	"G"	"T"	"G"	"A"	"T"	"A"	"A"	"A"	"C"	"A"	
	"C"	"T"	"G"	"T"	"G"	"A"	"T"	"A"	"A"	"A"	"C"	"A"	
		"T"	"G"	"T"	"G"	"A"	"T"	"A"		"A"	"C"	"A"	
[5,]									"A"				
[5,]		[,1425]	[,1426]	[,1427]	[,1428]	[,1429]	[,1430]	[,1431]	[,1432]	[,1433]	[,1434]	[,1435]	
[5,] [6,]	[,1424]		"T"	"G"	"T"	"C"	"T"	"G"	"A"	"G"	"G"	"C"	
[5,] [6,]		"G"	I	u									
[5,] [6,] [1,]	"T"		"T"				"T"	"G"	"A"	"G"	"G"	"C"	
[5,] [6,] [1,] [2,]	"T" "T"	"G"	"T"	"G"	"T"	"C"			"A" "^"		"G" "G"		,
[5,] [6,] [1,]	"T" "T" "T"						"T" "T" "T"	"G" "G" "G"	"A" "A" "A"	"G" "G" "G"	"G" "G" "G"	"C" "C" "C"	,

1.487   1.488   1.489   1.489   1.489   1.481   1.482   1.483   1.484   1.445   1.444   1.445   1.445   1.445   1.446   1.447   1.448   1.44	L- / J	"T" "T"	"G" "G"	"T" "T"	"G" "G"	"T" "T"	"C" "C"	"T" "T"	"G" "G"	"A" "A"	"G" "G"	"G" "G"	"C" "C"	"C" "C"
Fig.   2,	L°,1												[,1448]	[,1449]
[3.] A. A. T. T. C. G. G. A. T. C. A. T. C. T. T. C. T. T. C. T. T. C. G. A. T. C. T. T. C. T. T. C. T. T. C. G. A. T. C. T. T. T. C. T.	_ /_											-		"A"
[A.]         A. T.         "G"         "G"         "A"         "G"         "A"         "G"         "A"         "G"         "A"         "G"         "A"         "G"         "T"         "G"         "A"         "G"         "A"         "G"         "T"         "G"         "T"         "G"         "A"         "G"         "G"         "A"         "G"         "G"<	- /-													"A"
Table   Tabl	- /-									-		-		"A"
	_ ,_			-	-		-		-	-	-	-	-	"A" "A"
	L- / J								-	-	-	-	-	"A"
[14] C.C. "C" "C" "C" "G" "A" "A" "T" "C" "A" "C" "A" "G" "G	L°,1												[,1461]	[,1462]
Table   Tabl	[1,]													"Á"
[4] N. C. C. C. C. C. C. C. C. A. A. A. A. A. T. T. C. A. C. A. C. A. C. A. C.	_ /_							-						"A"
The content of the	_ /_							-						"A"
	_ /_				-			-						"A" "A"
1,463   1,1465   1,1466   1,1467   1,1468   1,1469   1,1479   1,1479   1,1473   1,1472   1,1473   1,								-	-					"A"
1,	[0,]							-						
1	[1,]													"A"
[4] Order Grant Gra	_ /_													"A"
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[1,176] [1,1472] [1,1478] [1,1479] [1,1480] [1,1481] [1,1482] [1,1483] [1,1483] [1,1483] [1,1485] [1,1485] [1,1487] [1,1							-			-				"A" "A"
[1,1] "" "" "" "" "" "" "" "" "" "" "" "" ""	[o,]													A [,1488]
	[1,7													"G"
[3], "G" "T" "T" "C" "C" "A" "G" "G" "A" "T" "C" "T" "C" "T" [5], "G" "T" "T" "C" "C" "A" "G" "G" "A" "T" "C" "T" "C" "T" [5], "G" "T" "T" "C" "C" "A" "G" "G" "A" "T" "C" "T" "C" "T" [5], "G" "T" "T" "C" "T" "C" "C" "A" "G" "G" "A" "T" "C" "A" "G" "G" "A" "T" "C" "T" "C" "A" "A" "T" "C" "A" "A" "T" "C" "A" "A" "T" "C" "A" "A" "G" "G" "A" "G" "T" "C" "A" "A" "G" "G" "A" "G" "T" "C" "A" "A" "G" "G" "A" "G" "T" "C" "A" "G" "G" "G" "A" "G" "T" "C" "A" "G" "G" "G" "G" "T" "C" "A" "G" "G" "G" "G" "G" "T" "C" "G" "G" "G" "G" "G" "G" "T" "C" "G" "G" "G" "G" "G" "G" "G" "G" "G	_ ,_						"A"			"A"				"G"
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[6,] "G" "T" "T" "C" "C" "A" "G" "G" "A" "T" "C" "T" "C" "A" "T" "C" "A" "T" "C" "A" "A" "A" "A" "T" "C" "A" "A" "A" "T" "C" "A" "A" "A" "T" "G" "G" "A" "A" "A" "T" "G" "G" "A" "A" "G" "T" "C" "A" "A" "A" "T" "G" "G" "A" "A" "G" "T" "C" "A" "A" "A" "T" "G" "G" "A" "A" "G" "T" "C" "A" "A" "A" "T" "G" "G" "A" "A" "G" "T" "C" "A" "A" "A" "T" "G" "G" "A" "A" "G" "T" "C" "A" "A" "A" "T" "G" "G" "A" "G" "T" "C" "A" "A" "A" "A" "T" "G" "G" "A" "G" "T" "C" "A" "A" "A" "A" "T" "G" "G" "A" "G" "T" "C" "A" "A" "A" "T" "G" "G" "A" "G" "T" "C" "A" "A" "A" "T" "G" "G" "A" "G" "T" "C" "A" "A" "A" "T" "G" "G" "A" "G" "T" "C" "A" "A" "A" "T" "G" "G" "A" "G" "T" "C" "A" "A" "A" "T" "G" "G" "A" "G" "T" "C" "A" "A" "A" "T" "G" "G" "A" "G" "T" "C" "A" "A" "G" "T" "C" "T" "G" "G" "T" "C" "T" "G" "G" "G" "T" "G" "G" "T" "G" "G	- /-										-		-	"G"
[1,189] [1,1490] [1,1491] [1,1492] [1,1493] [1,1494] [1,1495] [1,1496] [1,1497] [1,1498] [1,1490] [1,1506] [1,1497] [1,1498] [1,1490] [1,1506] [1,1497] [1,1498] [1,1490] [1,1506] [1,1497] [1,1498] [1,1497] [1,1498] [1,1	- /-			-							-		-	"G" "G"
[1]   The   "G"   "A"   "A"   "T"   "G"   "G"   "A"   "G"   "T"   "C"   "A"   "A"   "C"   "A"   "A"   "T"   "C"   "A"   "A"   "A"   "T"   "G"   "G"   "A"   "G"   "T"   "C"   "A"   "A"   "A"   "T"   "G"   "G"   "A"   "G"   "T"   "C"   "A"   "A"   "A"   "T"   "G"   "G"   "A"   "G"   "T"   "C"   "A"   "A"   "A"   "T"   "G"   "G"   "A"   "G"   "T"   "C"   "A"   "A"   "T"   "G"   "G"   "A"   "G"   "T"   "C"   "A"   "A"   "T"   "G"   "G"   "A"   "G"   "T"   "C"   "A"   "A"   "T"   "G"   "G"   "A"   "G"   "T"   "C"   "A"   "A"   "T"   "G"   "G"   "A"   "G"   "T"   "C"   "A"   "A"   "T"   "G"   "G"   "A"   "G"   "T"   "C"   "A"   "A"   "T"   "G"   "G"   "A"   "G"   "T"   "G"   "G"   "A"   "G"   "T"   "G"   "T"   "G"	[6,]			-							-		-	
$ \begin{bmatrix} 2 \\ 1 \\ 3 \\ 1 \end{bmatrix} \begin{bmatrix} 7 \\ 7 \\ 6 \\ 6 \end{bmatrix} \begin{bmatrix} 7 \\ 7 \\ 7 \\ 6 \end{bmatrix} \begin{bmatrix} 7 \\ 7 \\ 7 \end{bmatrix} \begin{bmatrix} 7 \\ 7 \\ 6 \end{bmatrix} \begin{bmatrix} 7 \\ 7 \\ 7 \end{bmatrix} \begin{bmatrix}$	Г1.7													"A"
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[5,] TT" "G" "A" "A" "A" "T" "G" "G" "A" "G" "T" "C" "A" "G" "A" "G" "A" "G" "A" "C" "C	- /-	"T"	"G"	"A"	"A"	"T"	"G"	"G"	"A"	"G"	"T"	"C"	"A"	"A"
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[1,502] [1,503] [1,504] [1,504] [1,505] [1,506] [1,1507] [1,1508] [1,1509] [1,1510] [1,1511] [1,1512] [1,513] [1,17] [1,1512] [1,513] [1,17] [1,1512] [1,513] [1,17] [1,1512] [1,1513] [1,1512] [1,1513] [1,1512] [1,1513] [1,1512] [1,1513] [1,1512] [1,1513] [1,1513] [1,1512] [1,1513]	L- / J										-			"A"
[1, ] "T" "G" "C" "C" "C" "C" "T" "G" "G" "G" "G" "T" "C" "T" "T" "G" "G" "G" "G" "T" "C" "T" "G" "T" "G" "G" "G" "G" "T" "C" "T" "G" "G" "G" "G" "G" "T" "C" "T" "G" "G" "G" "G" "G" "G" "T" "C" "T" "G" "G" "G" "G" "G" "G" "G" "G" "G	[6,]										-			"A"
$ \begin{bmatrix} 2/3 \\ 3/7 \\ 17 \\ 18 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ $	Г1 Т						-, -						-, -	[,1514] "A"
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[,1515] [,1516] [,1517] [,1518] [,1519] [,1520] [,1521] [,1522] [,1523] [,1524] [,1525] [,1526] [,1527] [,1526] [,1526] [,1527] [,1526] [,1526] [,1526] [,1526] [,1526] [,1526] [,1526] [,1527] [,1526] [,1526] [,1526] [,1526] [,1526] [,1526] [,1526] [,1527] [,1526] [,1526] [,1526] [,1526] [,1526] [,1526] [,1526] [,1527] [,1526] [,1527] [,1526] [,1527	_ /_										-			"A"
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[6,] "G" "T" "T" "G" "T" "G" "T" "C" "T" "T" "C" "T" "C" "T" "C" "T" "T	[4,]	"G"	"T"	"T"	"G"	"T"	"C"	"T"	"T"	"C"	"T"	"C"	"C"	"A"
[,1528] [,1529] [,1530] [,1531] [,1532] [,1533] [,1534] [,1535] [,1536] [,1537] [,1538] [,1539] [,1] [,1] [,1] [,1] [,1] [,1] [,1] [,1	L- / J			-	-	-		-	-		-			"A"
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[,1541] [,1542] [,1543] [,1544] [,1545] [,1546] [,1547] [,1548] [,1549] [,1550] [,1551] [,1552] [,1573] [,1574] [,1572] [,1572] [,1573] [,1574] [,1575] [,1576] [,1577] [,1578] [,1577	L- / J							-				-	-	"T"
[1,] "T" "G" "T" "G" "A" "T" "T" "G" "G" "A" "A" "A" "A" "A" "A" [2,] "T" "G" "G" "A" "T" "T" "T" "G" "G" "A" "A" "A" "A" "A" "A" [3,] "T" "G" "G" "T" "G" "A" "T" "T" "T" "G" "G" "A" "A" "A" "A" "A" "A" "A" "A	L - , _				-			-					-	"T"
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[5,] "T" "G" "T" "G" "A" "T" "T" "G" "A" "A" "A" "A" "A" "A" "A" [6], "T" "G" "G" "A" "A" "A" "A" "A" "A" "A" "A	L- / J							-						"C"
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[5,] "A" "T" "G" "A" "A" "G" "G" "A" "A" "G" [6,] "A" "T" "G" "A" "A" "G" [7] [7,1578] [7,1576] [7,1578] [7,157	- /-													"G"
[6,] "A" "T" "G" "A" "A" "G" "G" "A" "A" "C" "A" "G" [,1576] [,1576] [,1577] [,1578] [,1577] [,1578] [,1577] [,1578] [														"G"
[,1567] [,1568] [,1569] [,1570] [,1571] [,1572] [,1573] [,1574] [,1575] [,1576] [,1577] [,1578] [,1] "G" "G" "G" "C" "C" "T" "G" "A"														"G"
[1,] "G" "G" "C" "A" "G" "C" "C" "C" "T" "G" "A"		[,1567]		[,1569]	[,1570]	[,1571]	[,1572]	[,1573]	[,1574]			[,1577]	[,1578]	[,1579]
FO 7 HOLL HOLL HALL HOLL HOLL HOLL HOLL HOLL	[1,]	"G"	"G"	"C"	"A"	"G"	"G"	"C"			"T"			"G"
2 /3			"G"	"C"	"A"	"G"	"G"	"C"	"T"	"C"	"T"	"G"	"A"	"G"
[3,] "G" "G" "C" "A" "G" "G" "C" "C" "T" "G" "A"	[3,]	G.,	G		Α	G"	G	C.,		. C	~1"	G"	Α	"G"

[4,]	"c"	"G"	"C"	"A"	"G"	"G"	"C"	"C"	"C"	"T"	"G"	"A"	"G"
[5,]	"G"	"G"	"C"	"A"	"G"	"G"	"C"	"C"	"C"	"T"	"G"	"A"	"G"
[6,]		"G"	"C"	"A"	"G"	"G"	"C"	"C"	"C"	"T"	"G"	"A"	"G"
[1,]	[,1580] "A"	[,1581] "G"	[,1582] "A"	[,1583] "G"	[,1584] "T"	[,1585] "T"	[,1586] "C"	[,1587] "T"	[,1588] "T"	[,1589] "T"	[,1590] "G"	[,1591] "A"	[,1592] "T"
[2,]		"G"	"A"	"G"	"T"	"T"	"C"	"T"	"T"	"T"	"G"	"A"	"T"
[3,]		"G"	"A"	"G"	"T"	"T"	"C"	"T"	"T"	"T"	"G"	"A"	"T"
[4,]		"G"	"A"	"G"	"T"	"T"	"C"	"T"	"T"	"T"	"G"	"A"	"T"
[5,] [6,]	"A"	"G" "G"	"A" "A"	"G" "G"	"T" "T"	"T" "T"	"C" "C"	"T" "T"	"T" "T"	"T" "T"	"G" "G"	"A" "A"	"T" "T"
[6,]	[,1593]		[,1595]	Γ,15967	[,1597]	[,1598]	[,1599]	[,1600]	[,1601]	[,1602]	[,1603]	[,1604]	[,1605]
[1,]	"T"	"C"	"T"	"C"	"T"	"T"	"A"	"A"	"C"	"G"	"A"	"A"	"G"
[2,]	"T"	"C"	"T"	"C"	"T"	"T"	"A"	"A"	"C"	"G"	"A"	"A"	"G"
[3,] [4,]	"T" "T"	"C" "C"	"T" "T"	"C" "C"	"T" "T"	"T" "T"	"A" "A"	"A" "A"	"C" "T"	"G" "G"	"A" "A"	"A" "A"	"G" "G"
[5,]	"T"	"C"	"T"	"C"	"T"	"T"	"A"	"A"	"C"	"G"	"A"	"A"	"G"
[6,]	-	"C"	"T"	"C"	"T"	"T"	"A"	"A"	"C"	"G"	"A"	"A"	"G"
		[,1607]	[,1608]	[,1609]	[,1610]	[,1611]	[,1612]	[,1613]	[,1614]	[,1615]	[,1616]	[,1617]	
[1,]	"C" "C"	"C" "C"	"A" "A"	"T" "T"	"C" "C"	"A" "A"	"T" "T"	"G" "G"	"A" "A"	"G" "G"	"A" "A"	"C" "C"	"T" "T"
[2,]		"C"	Α "Α"	"T"	"C"	Α "Δ"	"T"	"G"	Α "Α"	"G"	"A"	"C"	"T"
[4,]	"C"	"C"	"A"	"T"	"C"	"A"	"T"	"G"	"A"	"G"	"A"	"C"	"T"
[5,]	"C"	"C"	"A"	"T"	"C"	"A"	"T"	"G"	"A"	"G"	"A"	"C"	"T"
[6,]		"C"	"A"	"T"	"C"	"A"	"T"	"G"	"A"	"G"	"A"	"C"	"T"
[1,]	"G"	[,1620] "G"	[,1621] "T"	[,1622] "A"	[,1623] "G"	[,1624] "C"	[,1625] "A"	[,1626] "G"	[,1627] "T"	[,1628] "A"	[,1629] "A"	[,1630] "T"	[,1631] "A"
[2,]	"G"	"G"	"T"	"A"	"G"	"C"	"A"	"G"	"T"	"A"	"A"	"T"	"A"
[3,]	"G"	"G"	"T"	"A"	"G"	"C"	"A"	"G"	"T"	"A"	"A"	"T"	"A"
[4,]	"G"	"G" "G"	"T" "T"	"A" "A"	"G" "G"	"C" "C"	"A" "A"	"G" "G"	"T" "T"	"A" "A"	"A" "A"	"T" "T"	"A"
[5,] [6,]	"G" "G"	"G"	т "Т"	"A"	"G"	"C"	"A"	"G"	"T"	"A"	Α "Α"	т "Т"	"A" "A"
L°,1		[,1633]	[,1634]		[,1636]	[,1637]		[,1639]	[,1640]	[,1641]	[,1642]	[,1643]	
[1,]	"A"	"T"	"G"	"T"	"G"	"G"	"T"	"A"	"T"	"G"	"C"	"C"	"C"
[2,]	"A"	"T"	"G" "G"	"T"	"G"	"G" "G"	"T"	"A"	"T" "T"	"G" "G"	"C"	"C"	"C"
[3,] [4,]	"A" "A"	"T" "T"	"G"	"T" "T"	"G" "G"	"G"	"T" "T"	"A" "A"	"T"	"G"	"C" "C"	"C" "C"	"C" "C"
[5,]	"A"	"T"	"G"	"T"	"G"	"G"	"T"	"A"	"T"	"G"	"C"	"C"	"C"
[6,]	"A"	"T"	"G"	"T"	"G"	"G"	"T"	"A"	"T"	"G"	"C"	"C"	"C"
F4 7		[,1646]	[,1647]		[,1649]	[,1650]		[,1652]	[,1653]	[,1654]	[,1655]	[,1656]	
[1,] [2,]	"C" "C"	"C" "C"	"G" "G"	"T" "T"	"G" "G"	"G" "G"	"G" "G"	"T" "T"	"A" "A"	"T" "T"	"T" "T"	"C" "C"	"T" "T"
[3,]		"C"	"G"	"T"	"G"	"G"	"G"	"T"	"A"	"T"	"T"	"C"	"T"
[4,]		"C"	"G"	"T"	"G"	"G"	"G"	"T"	"A"	"T"	"T"	"C"	"T"
[5,]	"C"	"C"	"G"	"T"	"G"	"G"	"G"	"T"	"A"	"T"	"T"	"C"	"T"
[6,]		"C" [,1659]	"G" [,1660]	"T" [,1661]	"G" F 16627	"G" [,1663]	"G" Γ,16647	"T" Γ,16657	"A" [,1666]	"T" [,1667]	"T" [,1668]	"C" [,1669]	"T" F 16707
[1,]	-, -	"T"	"T"	"C"	"C"	"T"	"G"	"A"	"T"	"T"	"G"	"C"	"T"
[2,]		"T"	"T"	"C"	"C"	"T"	"G"	"A"	"T"	"T"	"G"	"C"	"T"
[3,]	"C"	"T"	"T"	"C"	"C"	"T"	"G"	"A"	"T"	"T"	"G"	"C"	"T"
[4,]	"C" "C"	"T" "T"	"T" "T"	"C" "C"	"C" "C"	"T" "T"	"G" "G"	"A" "A"	"T" "T"	"T" "T"	"G" "G"	"C" "C"	"T" "T"
[5,] [6,]		"T"	"T"	"C"	"C"	"T"	"G"	"A"	"T"	"T"	"G"	"C"	"T"
L-,_					[,1675]	[,1676]			[,1679]	[,1680]	[,1681]	[,1682]	[,1683]
[1,]	"G"	"G"	"G"	"A"	"A"	"G"	"A"	"T"	"T"	"G"	"T"	"G"	"G"
[2,] [3,]		"G" "G"	"G" "G"	"A" "A"	"A" "A"	"G" "G"	"A" "A"	"T" "T"	"T" "T"	"G" "G"	"T" "T"	"G" "G"	"G" "G"
[4,]		"G"	"G"	"A"	"A"	"G"	"A"	"T"	"T"	"G"	"T"	"G"	"G"
[5,]		"G"	"G"	"A"	"A"	"G"	"A"	"T"	"T"	"G"	"T"	"G"	"G"
[6,]		"G"	"G"	"A"	"A"	"G"	"A"	"T"	"T"	"G"	"T"	"G"	"G"
[1,]		[,1685] "G"	[,1686] "A"	[,1687] "T"	[,1688] "G"	[,1689] "G"	[,1690] "A"	[,1691] "A"	[,1692] "G"	[,1693] "A"	[,1694] "C"	[,1695] "A"	[,1696] "T"
[2,]		"G"	"A"	"T"	"G"	"G"	"A"	"A"	"G"	"A"	"C"	"A"	"T"
[3,]	"A"	"G"	"A"	"T"	"G"	"G"	"A"	"A"	"G"	"A"	"C"	"A"	"T"
[4,]	"A"	"G"	"A"	"T"	"G"	"G"	"A"	"A"	"G"	"A"	"C"	"A"	"T"
[5,]		"G" "G"	"A" "A"	"T" "T"	"G" "G"	"G" "G"	"A" "A"	"A" "A"	"G" "G"	"A" "A"	"C" "C"	"A" "A"	"T" "T"
[6,]	[,1697]		[,1699]	-	[,1701]	[,1702]	[,1703]		[,1705]	[,1706]	[,1707]	[,1708]	= -
[1,]	"G"	"G"	"G"	"T"	"G"	"T"	"G"	"A"	"T"	"T"	"G"	"G"	"G"
[2,]	"G"	"G"	"G"	"T"	"G"	"T"	"G"	"A"	"T"	"T"	"G"	"G"	"G"
[3,]		"G"	"G"	"T"	"G"	"T" "T"	"G"	"A"	"T" "T"	"T"	"G"	"G"	"G"
[4,] [5,]		"G" "G"	"G" "G"	"C" "T"	"G" "G"	"T"	"G" "G"	"A" "A"	"T"	"T" "T"	"G" "G"	"G" "G"	"G" "G"
[6,]		"G"	"G"	"T"	"G"	"T"	"G"	"A"	"T"	"T"	"G"	"G"	"G"
- /-	[,1710]	[,1711]	[,1712]	[,1713]	-, -	[,1715]		[,1717]	[,1718]	[,1719]	[,1720]	[,1721]	[,1722]
[1,]	"G"	"G"	"G"	"C"	"A"	"G"	"C"	"T"	"T"	"G"	"C"	"C"	"A"
[2,]	G	"G"	"G"	"C"	"A"	"G"	"C"	"T"	"T"	"G"	"C"	"C"	"A"

[3,] "G"	"G"	"G"	"C"	"A"	"G"	"C"	"T"	"T"	"G"	"C"	"C"	"A"
[4,] "G"	"G"	"G"	"C"	"A"	"G"	"C"	"T"	"T"	"G"	"C"	"C"	"A"
[5,] "G"	"G"	"G"	"C"	"A"	"G"	"C"	"T"	"T"	"G"	"C"	"C"	"A"
[6,] "G"	"G"	"G"	"C"	"A"	"G"	"C"	"T"	"T"	"G"	"C"	"C"	"A"
[,1723	] [,1724]	[,1725]	[,1726]	[,1727]	[,1728]	[,1729]	[,1730]	[,1731]	[,1732]	[,1733]	[,1734]	[,1735]
[1,] "T"	"G"	"T"	"A"	"C"	"A"	"C"	"C"	"G"	"T"	"G"	"A"	"C"
[2,] "T"	"G"	"T"	"A"	"C"	"A"	"C"	"C"	"G"	"T"	"C"	"A"	"C"
[3,] "T"	"G"	"T"	"A"	"C"	"A"	"C"	"C"	"G"	"T"	"G"	"A"	"C"
[4,] "T"	"G"	"T"	"A"	"C"	"A"	"C"	"T"	"G"	"T"	"G"	"A"	"C"
[5,] "T"	"G"	"T"	"A"	"C"	"A"	"C"	"C"	"G"	"T"	"G"	"A"	"C"
[6,] "T"	"G" 1	"T"	"A"	"C"	"A"	"C"	"C"	"G"	"T"	"G"	"A"	"C"
[,1736 [1,] "T"	] [,1/3/] "G"	[,1738] "T"	"C"	[,1740] "A"	[,1741] "T"	[,1742] "T"	"G"	"T"	[,1745] "T"	[,1746] "G"	[,1747] "G"	[,1748] "C"
[2,] "T"	"G"	"T"	"C"	"A"	"T"	"T"	"G"	"T"	"T"	"G"	"G"	"C"
[3,] "T"	"G"	"T"	"C"	"A"	"T"	"T"	"G"	"T"	"T"	"G"	"G"	"C"
[4,] "T"	"G"	"T"	"C"	"A"	"T"	"T"	"G"	"T"	"T"	"G"	"G"	"C"
[5,] "T"	"G"	"T"	"C"	"A"	"T"	"T"	"G"	"T"	"T"	"G"	"G"	"C"
[6,] "T"	"G"	"T"	"C"	"A"	"T"	"T"	"G"	"T"	"T"	"G"	"G"	"C"
[,1749	] [,1750]	[,1751]	[,1752]	[,1753]	[,1754]	[,1755]	[,1756]	[,1757]	[,1758]	[,1759]	[,1760]	[,1761]
[1,] "T"	"T"	"A"	"C"	"T"	"C"	"A"	"T"	"T"	"C"	"A"	"C"	"G"
[2,] "T"	"T"	"A"	"C"	"T"	"C"	"A"	"T"	"T"	"C"	"A"	"C"	"G"
[3,] "T"	"T"	"A"	"C"	"T"	"C"	"A"	"T"	"T"	"C"	"A"	"C"	"G"
[4,] "T"	"T"	"A"	"C" "C"	"T" "T"	"C" "C"	"A" "A"	"T" "T"	"T" "T"	"C" "C"	"A" "A"	"C" "C"	"G" "G"
[5,] "T" [6.] "T"	"T" "T"	"A" "A"	"C"	"T"	"C"	Α "Α"	"T"	т "Т"	"C"	Α "Α"	"C"	"G"
[6,] "T" [,1762		A [,1764]	-	[,1766]	-	[,1768]	•	-	[,1771]	A [,1772]	[,1773]	[,1774]
[1,] "C"	] [,1703] "A"	"G"	"T"	"C"	"A"	"T"	"C"	"G"	"T"	"C"	"T"	"T"
[2,] "C"	"A"	"G"	"T"	"C"	"A"	"T"	"C"	"G"	"T"	"C"	"C"	"T"
[3,] "C"	"A"	"G"	"T"	"C"	"A"	"T"	"C"	"G"	"T"	"C"	"C"	"T"
[4,] "C"	"A"	"G"	"C"	"C"	"A"	"T"	"C"	"G"	"T"	"C"	"C"	"T"
[5,] "C"	"A"	"G"	"T"	"C"	"A"	"T"	"C"	"G"	"T"	"C"	"C"	"T"
[6,] <u>"</u> C"	"A"	"G"	"T"	"C"	"A"	"T"	"C"	"G"	"T"	"C"	"C"	"T"
[,1775	, -	[,1777]	[,1778]			[,1781]		-, -	[,1784]	[,1785]	[,1786]	[,1787]
[1,] "G"	"C"	"C"	"A"	"C" "C"	"T"	"C" "C"	"C" "C"	"T"	"C" "C"	"T" "T"	"A"	"C" "C"
[2,] "G" [3.] "G"	"C" "C"	"C" "C"	"Α" "Α"	"C"	"T" "T"	"C"	"C"	"T" "T"	"C"	"T"	"A" "A"	"C"
[3,] "G" [4,] "G"	"C"	"C"	"A"	"C"	"T"	"C"	"C"	"T"	"C"	"T"	"A"	"C"
[5,] "G"	"C"	"C"	"A"	"C"	"T"	"C"	"C"	"T"	"C"	"T"	"A"	"C"
[6,] "G"	"C"	"C"	"A"	"C"	"T"	"C"	"C"	"T"	"C"	"T"	"A"	"C"
[,1788		[,1790]	[,1791]	[,1792]	-	[,1794]	-	[,1796]	[,1797]	[,1798]	[,1799]	[,1800]
[1,] "T"	"T"	"C"	"T"	"T"	"G"	"G"	"T"	"A"	"A"	"C"	"A"	"C"
[2,] "T"	"T"	"C"	"T"	"T"	"G"	"G"	"T"	"A"	"A"	"C"	"A"	"C"
[3,] "T"	"T"	"C"	"T"	"T"	"G"	"G"	"T"	"A"	"A"	"C"	"A"	"C"
[4,] "T"	"T"	"C"	"T"	"T"	"G"	"G"	"T"	"A"	"A"	"C"	"A"	"C"
[5,] "T"	"T"	"C"	"T"	"T"	"G"	"G"	"T"	"A"	"A"	"C"	"A"	"C"
[6,] "T"	"T"	"C"	"T"	"T"	"G"	"G"	"T"	"A"	"A"	"C"	"A"	"C"
[,1801 [1,] "G"	] [,1802] "G"	[,1803] "A"	[,1804] "A"	[,1805] "A"	[,1806] "A"	[,1807] "A"	[,1808] "C"	[,1809] "C"	[,1810] "C"	[,1811] "T"	[,1812] "T"	[,1813] "G"
[1,] "G" [2,] "G"	"G"	"A"	"A"	"A"	"A"	"A"	"C"	"C"	"C"	"T"	"T"	"G"
[2,] G [3,] "G"	"G"	"A"	"A"	"A"	"A"	"A"	"C"	"C"	"C"	"T"	"T"	"G"
[4,] "G"	"G"	"A"	"A"	"A"	"A"	"A"	"C"	"C"	"C"	"T"	"T"	"G"
[5,] "G"	"G"	"A"	"A"	"A"	"A"	"A"	"C"	"C"	"C"	"T"	"T"	"G"
[6,] "G"	"G"	"A"	"A"	"A"	"A"	"A"	"C"	"C"	"C"	"T"	"T"	"G"
	] [,1815]					[,1820]		[,1822]	[,1823]	[,1824]	[,1825]	[,1826]
[1,] "G"	"G"	"T"	"T"	"T"	"T"	"T"	"A"	"T"	"T"	"G"	"G"	"A"
[2,] "G"	"G"	"T"	"T"	"T"	"T"	"T"	"A"	"T"	"T"	"G"	"G"	"A"
[3,] "G"	"G"	"T"	"T"	"T" "T"	"T"	"T"	"A"	"T"	"T"	"G"	"G"	"A"
[4,] "G" [5.] "G"	"G" "G"	"T" "T"	"T" "T"	"T"	"T" "T"	"T" "T"	"A" "A"	"T" "T"	"T" "T"	"G" "G"	"G" "G"	"A" "A"
L- / J	"G"	"T"	"T"	"T"	"T"	"T"	"A"	"T"	"T"	"G"	"G"	"A"
[6,] "G" [,1827		[,1829]	[,1830]	[,1831]	[,1832]	[,1833]		[,1835]		[,1837]	[,1838]	[,1839]
[1,] "G"	"G"	"G"	"T"	"T"	"G"	"C"	"T"	"G"	"C"	"A"	"A"	"G"
[2,] "G"	"G"	"G"	"T"	"T"	"G"	"C"	"T"	"G"	"C"	"A"	"A"	"G"
[3,] "G"	"G"	"G"	"T"	"T"	"G"	"C"	"T"	"G"	"C"	"A"	"A"	"G"
[4,] "G"	"G"	"G"	"T"	"T"	"G"	"C"	"T"	"G"	"C"	"A"	"A"	"G"
[5,] "G"	"G"	"G"	"T"	"T"	"G"	"C"	"T"	"G"	"C"	"A"	"A"	"G"
[6,] "G"	"G"	"G"	"T"	"T"	"G"	"C"	"T"	"G"	"C"	"A"	"A"	"G"
[,1840			[,1843]	[,1844]	[,1845]	[,1846]		[,1848]	[,1849]	[,1850]	[,1851]	[,1852]
[1,] "C"	"A"	"C"	"T"	"C"	"A"	"T"	"C"	"A"	"C"	"C"	"G"	"C"
[2,] "C"	"A" "A"	"C"	"T" "T"	"C" "C"	"A" "A"	"T" "T"	"C" "C"	"A" "A"	"C"	"C" "C"	"G" "G"	"C" "C"
[3,] "C" [4,] "C"	"A"	"C" "C"	"T"	"T"	"A"	"T"	"C"	"A"	"C" "C"	"T"	"G" "G"	"C"
[4,] C [5,] "C"	"A"	"C"	"T"	"C"	"A"	"T"	"C"	"A"	"C"	"T"	"G"	"C"
[5,] C [6,] "C"	"A"	"C"	"T"	"C"	"A"	"T"	"C"	"A"	"C"	"C"	"G"	"C"
_ /_				[,1857]		[,1859]			[,1862]		[,1864]	
[1,] "T"	"C"	"T"	"G"	"G"	"G"	"G"	"A"	"C"	"C"	"T"	"C"	"T"
- · <del>-</del>												

[2,]		"C"	"T"	"G"	"G"	"G"	"G"	"A"	"C"	"C"	"T"	"C"	"T"
[3,]	"T"	"C"	"T"	"G"	"G"	"G"	"G"	"A"	"C"	"C"	"T"	"C"	"T"
[4,]	"T"	"C"	"T"	"G"	"G"	"G"	"G"	"A"	"C"	"C"	"T"	"C"	"T"
[5,]	"T"	"C"	"T"	"G"	"G"	"G"	"G"	"A"	"C"	"C"	"T"	"C"	"T"
[6,]	"T"	"C"	"T"	"G"	"G"	"G"	"G"	"A"	"C"	"C"	"T"	"C"	"T"
	[,1866]		[,1868]	[,1869]	[,1870]	-, -	[,1872]	[,1873]	-, -	[,1875]	[,1876]	[,1877]	[,1878]
[1,]	"T"	"C"	"A"	"A"	"G"	"T"	"T"	"C"	"T"	"G"	"C"	"C"	"A"
[2,]	"T"	"C"	"A"	"A"	"G"	"T"	"T"	"C"	"T"	"G"	"C"	"C"	"A"
[3,]	"T"	"C"	"A"	"A"	"G"	"T"	"T"	"C"	"T"	"G"	"C"	"C"	"A"
[4,]	"T"	"C"	"A"	"A"	"G"	"T"	"T"	"C"	"T"	"G"	"C"	"C"	"A"
[5,]	"T"	"C"	"A"	"A"	"G"	"T"	"T"	"C"	"T"	"G"	"C"	"C"	"A"
[6,]	"T"	"C"	"A"	"A"	"G"	"T"	"T"	"C"	"T"	"G"	"C"	"C"	"A"
	[,1879]		[,1881]	[,1882]	[,1883]		[,1885]	[,1886]	[,1887]	[,1888]	[,1889]	[,1890]	
[1,]		"C"	"C"	"T"	"A"	"C"	"C"	"C"	"A"	"T"	"C"	"A"	"C"
[2,]	"C"	"C"	"C"	"T"	"A"	"C"	"C"	"C"	"A"	"T"	"C"	"A"	"C"
[3,]	"C"	"C"	"C"	"T"	"A"	"C"	"C"	"C"	"A"	"T"	"C"	"A"	"C"
[4,]	"C"	"C"	"C"	"T"	"A"	"C"	"C"	"C"	"A"	"T"	"C"	"A"	"C"
[5,]	"C"	"C"	"C"	"T"	"A"	"C"	"C"	"C"	"A"	"T"	"C"	"A"	"C"
[6,]	"C"	"C"	"C"	"T"	"A"	"C"	"C"	"C"	"A"	"T"	"C"	"A"	"C"
F4 7	[,1892]		[,1894]	[,1895]	[,1896]		[,1898]	[,1899]	[,1900]	[,1901]	[,1902]	[,1903]	[,1904]
[1,]		"T"	"T"	"C"	"A"	"A"	"G"	"T"	"G"	"C"	"C"	"T"	"G"
[2,]	"C"	"T"	"T"	"C"	"A"	"A"	"G"	"T"	"G"	"C"	"C"	"T"	"G"
[3,]	"C"	"T"	"T"	"C"	"A"	"A"	"G"	"T"	"G"	"C"	"C"	"T"	"G"
[4,]	"C"	"T"	"T"	"C"	"A"	"A"	"G"	"T"	"G"	"C"	"C"	"T"	"G"
[5,]	"C"	"T"	"T"	"C"	"A"	"A"	"G"	"T"	"G"	"C"	"C"	"T"	"G"
[6,]	"C"	"T"	"T"	"C"	"A"	"A"	"G"	"T"	"G"	"C"	"C"	"T"	"G"
F4 7	[,1905]		[,1907]	[,1908]		[,1910]	[,1911]		[,1913]	[,1914]	[,1915]	[,1916]	[,1917]
[1,]		"A"	"A"	"G"	"A"	"G"	"A"	"A"	"C"	"A"	"A"	"T"	"G"
[2,]	"G"	"A"	"A"	"G"	"A"	"G"	"A"	"A"	"C"	"A"	"A"	"T"	"G"
[3,]	"G"	"A"	"A"	"G"	"A"	"G"	"A"	"A"	"C"	"A"	"A"	"T"	"G"
[4,]	"G"	"A"	"A"	"G"	"A"	"G"	"A"	"A"	"C"	"A"	"A"	"T"	"G"
[5,]	"G"	"A"	"A"	"G"	"A"	"G"	"A"	"A"	"C"	"A"	"A"	"T"	"G"
[6,]	"G"	"A"	"A"	"G"	"A"	"G"	"A"	"A"	"C"	"A"	"A"	"T"	"G"
F4 7	[,1918]		[,1920]	[,1921]	[,1922]		[,1924]	[,1925]	[,1926]		[,1928]	[,1929]	[,1930]
[1,]	"G"	"C"	"G"	"T"	"G"	"G"	"A"	"C"	"A"	"A"	"G"	"C"	"G"
[2,]	"G"	"C"	"G"	"T"	"G"	"G"	"A"	"C"	"A"	"A"	"G"	"C"	"G"
[3,]	"G"	"C"	"G"	"T"	"G"	"G"	"A"	"C"	"A"	"A"	"G"	"C"	"G"
[4,]	"G"	"C"	"G"	"T"	"G"	"G"	"A"	"C"	"A"	"A"	"G"	"C"	"G"
[5,]	"G"	"C" "C"	"G" "G"	"T" "T"	"G"	"G"	"A"	"C" "C"	"A"	"A"	"G" "G"	"C" "C"	"G"
[6,]		-			"G"	"G"	"A"		"A"	"A"	-	-	"G"
F4 7		[,1932]	[,1933]			[,1936]				[,1940]	[,1941] "T"	[,1942]	
[1,]	"C"	"G"	"T"	"C" "C"	"A" "A"	"C"	"C"	"A"	"G"	"A"	•	"T" "T"	"C" "T"
[2,]	"C" "C"	"G" "G"	"T" "T"	"C"	"A"	"C" "C"	"C" "C"	"A" "A"	"G" "G"	"A"	"T" "T"	"T"	"C"
[3,]			"T"	-		"C"				"A"	"T"	"T"	-
[4,]	"C"	"G"	"T"	"C" "C"	"A" "A"	"C"	"C" "C"	"A" "A"	"G"	"A" "A"	"T"	"T"	"C" "C"
[5,] [6,]	"C"	"G" "G"	"T"	"C"	Α "Δ"	"C"	"C"	Α "Δ"	"G" "G"	Α "Δ"	т"	"T"	"C"
[6,]				-		-	-				•	-	-
Г1 7	[,1944] "G"	[,19 <del>4</del> 5]	[,1946] "G"	[,1947] "C"	[,1948] "T"	"C"	[,1950] "C"	"C"	"C"	"G"	[,1954] "T"	[,1955] "A"	[,1956] "G"
[1,]	"G"	"T"	"G"	"C"	"T"	"T"	"C"	"C"	"C"	"G"	"T"	"A"	"G"
[2,]	"G"	"T"	"G"	"C"	"T"	"C"	"C"	"C"	"C"	"G"	"T"	"A"	"G"
[3,]	"G"	"T"	"G"	"C"	"T"	"C"	"C"	"C"	"C"	"G"	"T"	"A"	"G"
[4,] [5,]	"G"	"T"	"G"	"C"	"T"	"C"	"C"	"C"	"T"	"G"	"T"	"A"	"G"
[6,]		"T"	"G"	"C"	"T"	"C"	"C"	"C"	"C"	"G"	"T"	"A"	"G"
[0,]	[,1957]	•	[,1959]	[,1960]	[,1961]		[,1963]	-		[,1966]	[,1967]	[,1968]	
[1,]	"G"	"A"	"G"	"C"	"C"	"A"	"C"	"C"	"A"	"T"	"T"	"A"	[,1909]
[2,]	"G"	"A"	"G"	"C"	"C"	"A"	"C"	"C"	"A"	"T"	"T"	"A"	"A"
[3,]	"G"	"A"	"G"	"C"	"C"	"A"	"C"	"C"	"A"	"T"	"T"	"A"	"A"
[4,]	"G"	"A"	"G"	"C"	"C"	"A"	"C"	"C"	"A"	"T"	"T"	"A"	"A"
[5,]	"G"	"A"	"G"	"C"	"C"	"A"	"C"	"C"	"A"	"T"	"T"	"A"	"A"
[6,]		"A"	"G"	"C"	"C"	"A"	"C"	"C"	"A"	"T"	"T"	"A"	"A"
L°,1	[,1970]		[,1972]	[,1973]	[,1974]		[,1976]	[,1977]	[,1978]	[,1979]	Γ,19807	[,1981]	
[1,]	"C"	"A"	"T"	"G"	"G"	"A"	"T"	"G"	"G"	"G"	"A"	"C"	"T"
[2,]	"C"	"A"	"T"	"G"	"G"	"A"	"T"	"G"	"G"	"G"	"A"	"C"	"T"
[3,]		"A"	"T"	"G"	"G"	"A"	"T"	"G"	"G"	"G"	"A"	"C"	"T"
[4,]	"C"	"A"	"T"	"G"	"G"	"A"	"T"	"G"	"G"	"G"	"A"	"C"	"T"
[5,]	"C"	"A"	"T"	"G"	"G"	"A"	"T"	"G"	"G"	"G"	"A"	"C"	"T"
[6,]		"A"	"T"	"G"	"G"	"A"	"T"	"G"	"G"	"G"	"A"	"C"	"T"
١٠,٦	[,1983]		[,1985]	[,1986]		[,1988]	[,1989]	[,1990]	[,1991]	[,1992]	[,1993]	[,1994]	[,1995]
[1,]	"G"	"C"	"C"	"C"	"T"	"C"	"T"	"A"	"T"	"G"	"A"	"G"	"G"
[2,]	"G"	"C"	"C"	"C"	"T"	"C"	"T"	"A"	"T"	"G"	"A"	"G"	"G"
[3,]		"C"	"C"	"C"	"T"	"C"	"T"	"A"	"T"	"G"	"A"	"G"	"G"
[4,]	"G"	"C"	"C"	"C"	"T"	"C"	"T"	"A"	"T"	"G"	"A"	"G"	"G"
[5,]	"G"	"C"	"C"	"C"	"T"	"C"	"T"	"A"	"T"	"G"	"A"	"G"	"G"
[6,]	"G"	"C"	"C"	"C"	"T"	"C"	"T"	"A"	"T"	"G"	"A"	"G"	"G"
,1			[,1998]	-	-	-	-		-			-	-
	_,	_,]	_,	_, ]	_,	_,	_, ]	_,	١,، ١	_, ]	_,	_, ]	_,

[1,]		"T" "T"	"T" "T"	"T" "T"	"G" "G"	"G" "G"	"C" "C"	"T" "T"	"G" "G"	"C" "C"	"C" "C"	"A" "A"	"T "T
[2,]													
[3,]		"T"	"T"	"T"	"G"	"G"	"C"	"T"	"G"	"C"	"C"	"A"	"T
[4,]	"C"	"T"	"T"	"T"	"G"	"G"	"C"	"T"	"G"	"C"	"C"	"A"	"T
[5,]	"C"	"T"	"T"	"T"	"G"	"G"	"C"	"T"	"G"	"C"	"C"	"A"	"T
6,7	"C"	"T"	"T"	"T"	"G"	"G"	"C"	"T"	"G"	"C"	"C"	"A"	"T
- /-	[,2009]	[,2010]	[,2011]	[,2012]	[,2013]	[,2014]	[,2015]	[,2016]	[,2017]	[,2018]	[,2019]	[,2020]	Ε,
[1,]		"T"	"T"	"C"	"A"	"T"	"T"	"G"	"C"	"T"	"C"	"A"	"A
2,]		"T"	"T"	"C"	"A"	"T"	"T"	"G"	"C"	"T"	"C"	"A"	".∆
3,]	"T"	"T"	"T"	"C"	"A"	"T"	"T"	"G"	"C"	"T"	"C"	"A"	"/
	"T"	"T"	"T"	"C"	"A"	"T"	"T"	"G"	"C"	"T"	"C"	"A"	"/
[4,]							•						
[5,]	"T"	"T"	"T"	"C"	"A"	"T"	"T"	"G"	"C"	"T"	"C"	"A"	" /
[6,]		"T"	"T"	"C"	"A"	"T"	"T"	"G"	"C"	"T"	"C"	"A"	"∆
	[,2022]	[,2023]	[,2024]	[,2025]	[,2026]	[,2027]	[,2028]	[,2029]	[,2030]	[,2031]	[,2032]	[,2033]	[,
[1,]	"G"	"T"	"T"	"A"	"A"	"C"	"A"	"A"	"C"	"T"	"T"	"T"	"(
[2,]	"G"	"T"	"T"	"A"	"A"	"C"	"A"	"A"	"C"	"T"	"T"	"T"	"(
[3,]	"G"	"T"	"A"	"A"	"A"	"C"	"A"	"A"	"C"	"T"	"T"	"T"	"(
[4,]		"T"	"A"	"A"	"A"	"C"	"A"	"A"	"C"	"T"	"T"	"T"	"(
		"T"	"T"	"A"	"A"	"C"	"A"	"A"	"C"	"T"	"T"	"T"	"(
[5,]		-	-							-		-	
[6,]	"G"	"T"	"A"	"A"	"A"	"C"	"A"	"A"	"C"	"T"	"T"	"T"	"(
_	[,2035]	[,2036]	[,2037]	[,2038]	[,2039]	[,2040]	[,2041]	[,2042]	[,2043]	[,2044]	[,2045]	[,2046]	Ε,
[1,]	"A"	"A"	"C"	"T"	"G"	"A"	"A"	"C"	"T"	"T"	"C"	"G"	"(
[2,]	"A"	"A"	"C"	"T"	"G"	"A"	"A"	"C"	"T"	"T"	"C"	"G"	"(
[3,]		"A"	"C"	"T"	"G"	"A"	"A"	"C"	"T"	"T"	"C"	"G"	"(
[4,]		"A"	"C"	"T"	"G"	"A"	"A"	"C"	"T"	"T"	"C"	"G"	"(
		"A"	"C"	"T"	"G"	"A"	"A"	"C"	"T"	"T"	"C"	"G"	"(
[5,]			-	"T"				"C"	"T"	"T"	"C"	"G"	
[6,]		"A"	"C"	-	"G"	"A"	"A"		-	-			"(
	[,2048]	[,2049]	[,2050]	[,2051]	[,2052]	[,2053]	[,2054]	[,2055]	[,2056]	[,2057]	[,2058]	[,2059]	[,
[1,]		"C"	"A"	"A"	"A"	"T"	"T"	"A"	"T"	"T"	"A"	"C"	" /
[2,]	"A"	"C"	"A"	"A"	"A"	"T"	"T"	"A"	"T"	"T"	"A"	"C"	"/
[3,]	"A"	"C"	"A"	"A"	"A"	"T"	"T"	"A"	"T"	"T"	"A"	"C"	"/
[4,]		"C"	"A"	"G"	"A"	"T"	"T"	"A"	"T"	"T"	"A"	"C"	"/
[5,]		"C"	"A"	"A"	"A"	"T"	"T"	"A"	"T"	"T"	"A"	"C"	"/
[6,]		"C"	"A"	"A"	"A"	"T"	"T"	"A"	"T"	"T"	"A"	"C"	"/
١٠,١						-	•		-	-			
-, -	[,2061]	[,2062]	[,2063]	[,2064]	[,2065]	[,2066]	[,2067]	[,2068]	[,2069]	[,2070]	[,2071]	[,2072]	Ε
[1,]		"T"	"C"	"A"	"G"	"C"	"A"	"T"	"C"	"A"	"C"	"A"	"(
[2,]	"A"	"T"	"C"	"A"	"G"	"C"	"A"	"T"	"C"	"A"	"C"	"A"	"(
[3,]	"A"	"T"	"C"	"A"	"G"	"C"	"A"	"T"	"C"	"A"	"C"	"A"	"(
[4,]	"A"	"T"	"C"	"A"	"G"	"C"	"A"	"T"	"C"	"A"	"C"	"A"	"(
[5,]		"T"	"C"	"A"	"G"	"C"	"A"	"T"	"C"	"A"	"C"	"A"	"(
[6,]		"T"	"C"	"A"	"G"	"C"	"A"	"T"	"C"	"A"	"C"	"A"	"(
۱,۰۰	[,2074]	[,2075]						-		[,2083]	[,2084]		
Г1 ¬	-, -		[,2076]	[,2077]	[,2078] "A"	[,2079]	[,2080]	[,2081]	[,2082]			[,2085]	Ε,
[1,]		"C"	"A"	"C"		"G"	"C"	"T"	"G"	"C"	"C"	"A"	"(
[2,]		"C"	"A"	"C"	"A"	"G"	"C"	"T"	"G"	"C"	"C"	"A"	"(
[3,]		"C"	"A"	"C"	"A"	"G"	"C"	"T"	"G"	"C"	"C"	"A"	"(
[4,]		"C"	"A"	"C"	"G"	"G"	"C"	"T"	"G"	"C"	"C"	"A"	"(
[5,]	"C"	"C"	"A"	"C"	"A"	"G"	"C"	"T"	"G"	"C"	"C"	"A"	"(
[6,]		"C"	"A"	"C"	"A"	"G"	"C"	"T"	"G"	"C"	"C"	"A"	"(
,_	[,2087]	[,2088]	[,2089]	[,2090]	[,2091]	[,2092]	[,2093]	[,2094]	[,2095]	[,2096]	[,2097]	[,2098]	E.
[1,]	"T"	"A"	"T"	"T"	"G"	"G"	"G"	"G"	"C"	"A"	"G"	"C"	L;
	-		"T"	"T"	"G"		"G"		"C"		"G"	"C"	"
[2,]		"A"	-	-		"G"		"G"		"A"			
[3,]		"A"	"T"	"T"	"G"	"G"	"G"	"G"	"C"	"A"	"G"	"C"	"
[4,]	"T"	"A"	"T"	"T"	"G"	"G"	"G"	"G"	"C"	"A"	"G"	"C"	"
[5,]		"A"	"T"	"T"	"G"	"G"	"G"	"G"	"C"	"A"	"G"	"C"	"
[6,]	"T"	"A"	"T"	"T"	"G"	"G"	"G"	"G"	"C"	"A"	"G"	"C"	"-
	[,2100]	[,2101]	[,2102]	[,2103]	[,2104]	[,2105]	[,2106]	[,21077	[,2108]	[,2109]	[,2110]	[,21117	Ε,
[1,]		"G"	"A"	"A"	"T"	"T"	"C"	"C"	"T"	"C"	"A"	"G"	"(
[2,]		"G"	"A"	"A"	"T"	"T"	"C"	"C"	"T"	"C"	"A"	"G"	"(
[3,]	"G"	"G"	"A"	"A"	"T"	"T"	"C"	"C"	"T"	"C"	"A"	"G"	"(
		"G"	"A"	"A"	"T"	"T"	"C"	"C"	"T"	"C"	"A"	"G"	
[4,]					-	-	-		-				"(
[5,]		"G"	"A"	"A"	"T"	"T"	"C"	"C"	"T"	"C"	"A"	"G"	"(
[6,]		"G"	"A"	"A"	"T"	"T"	"C"	"C"	"T"	"C"	"A"	"G"	"(
	[,2113]	[,2114]	[,2115]	[,2116]	[,2117]	[,2118]	[,2119]	[,2120]	[,2121]	[,2122]	[,2123]	[,2124]	Ε
[1,]	"C"	"G"	"G"	"G"	"C"	"C"	"T"	"G"	"G"	"T"	"C"	"A"	"(
[2,]	"C"	"G"	"G"	"G"	"C"	"C"	"T"	"G"	"G"	"T"	"C"	"A"	"(
[3,]		"G"	"G"	"G"	"C"	"C"	"T"	"G"	"G"	"T"	"C"	"A"	"(
[4,]	"C"	"G"	"G"	"G"	"C"	"C"	"T"	"G"	"G"	"T"	"C"	"A"	"(
L+,_	"C"				-		-		-		-		
[5,]		"G"	"G"	"G"	"C"	"C"	"T"	"G"	"G"	"T"	"C"	"A"	"(
[6,]		"G"	"G"	"G"	"C"	"C"	"T"	"G"	"G"	"T"	"C"	"A"	"(
	[,2126]	[,2127]	[,2128]	[,2129]	[,2130]	[,2131]	[,2132]	[,2133]	[,2134]	[,2135]	[,2136]	[,2137]	Ε
[1,]		"A"	"T"	"G"	"G"	"T"	"C"	"A"	"T"	"T"	"G"	"T"	"(
	"T"	"A"	"T"	"G"	"G"	"T"	"C"	"A"	"T"	"T"	"G"	"T"	"(
		"A"	"T"	"G"	"G"	"T"	"C"	"A"	"T"	"T"	"G"	"T"	"(
	т "Т"						"C"		"T"		"G"		
[3,]		"A"	"T"	"G"	"G"	"T"	-	"A"		"T"	-	"T"	"(
[3,] [4,]	-			11.67.11	"G"	"T"	"C"	"A"	"T"	"T"	"G"	"T"	"(
[3,] [4,] [5,] [6,]	"T"	"A" "A"	"T" "T"	"G" "G"	"G"	"T"	"C"	"A"	"T"	"T"	"G"	"T"	"(

Γ.2139	] [,2140]	Γ.21417	Γ.21427	Γ.21437	Γ.21447	Γ.21457	Γ.21467	Γ.21477	Γ.21487	Γ.21497	Γ.21507	Γ.21517
[1,] "C"	"T"	"G"	"A"	"C"	"A"	"T"	"C"	"T"	"G"	"T"	"C"	"G"
[2,] "C"	"T"	"G"	"A"	"C"	"A"	"T"	"C"	"T"	"G"	"T"	"C"	"G"
[3,] "C" [4,] "C"	"T" "T"	"G" "G"	"A" "A"	"C" "C"	"A" "A"	"T" "T"	"C" "C"	"T" "T"	"G" "G"	"T" "T"	"C" "C"	"G" "G"
[5,] "C"	"T"	"G"	"A"	"C"	"A"	"T"	"C"	"T"	"G"	"T"	"C"	"G"
[6,] "C"	"T"	"G"	"A"	"Č"	"A"	"T"	"C"	"T"	"G"	"T"	"C"	"G"
- /-	] [,2153]	[,2154]	[,2155]	[,2156]	[,2157]	[,2158]	[,2159]	[,2160]	[,2161]	[,2162]	[,2163]	[,2164]
[1,] "G"	"C"	"C"	"T"	"G"	"C"	"C"	"C"	"A"	"C"	"T"	"G"	"A"
[2,] "G"	"C"	"C"	"T"	"G"	"C"	"C"	"C"	"A"	"C"	"T"	"G"	"A"
[3,] "G" [4,] "G"	"C" "C"	"C" "C"	"T" "T"	"G" "G"	"C" "C"	"C" "C"	"C" "C"	"A" "A"	"C" "C"	"T" "T"	"G" "G"	"A" "A"
[5,] "G"	"C"	"C"	"T"	"G"	"C"	"C"	"C"	"A"	"C"	"T"	"G"	"A"
[6,] "G"	"Č"	"C"	"T"	"G"	"C"	"C"	"C"	"A"	"C"	"T"	"G"	"A"
[,2165	] [,2166]	[,2167]	[,2168]	[,2169]	[,2170]	[,2171]	[,2172]	[,2173]	[,2174]	[,2175]	[,2176]	[,2177]
[1,] "C"	"G"	"A"	"C"	"A"	"T"	"C"	"A"	"C"	"G"	"C"	"T"	"C"
[2,] "C"	"G" "G"	"A" "A"	"C" "C"	"A" "A"	"T" "T"	"C" "C"	"A" "A"	"C" "C"	"G" "G"	"C" "C"	"T" "T"	"C" "C"
[3,] "C" [4,] "C"	"G"	"A"	"C"	"A"	"T"	"C"	"A"	"C"	"G"	"C"	т "Т"	"C"
[5,] "C"	"G"	"A"	"C"	"A"	"T"	"C"	"A"	"C"	"G"	"C"	"T"	"C"
[6,] "C"	"G"	"A"	"C"	"A"	"T"	"C"	"A"	"C"	"G"	"C"	"T"	"C"
	] [,2179]			[,2182]	[,2183]	[,2184]	[,2185]	[,2186]	-, -	[,2188]	[,2189]	
[1,] "A"	"T"	"C"	"A"	"T"	"C"	"G"	"C"	"G"	"G"	"T"	"G"	"G"
[2,] "A" [3,] "A"	"T" "T"	"C" "C"	"A" "A"	"T" "T"	"C" "C"	"G" "G"	"C" "C"	"G" "G"	"G" "G"	"T" "T"	"G" "G"	"G" "G"
[3,] A [4,] "A"	"T"	"C"	"A"	"T"	"C"	"G"	"C"	"G"	"G"	"T"	"G"	"G"
[5,] "A"	"Ť"	"C"	"A"	"T"	"C"	"G"	"C"	"A"	"G"	"T"	"G"	"G"
[6,] "A"	"T"	"C"	"A"	"T"	"C"	"G"	"C"	"G"	"G"	"T"	"G"	"G"
	] [,2192]			[,2195]		[,2197]	[,2198]	[,2199]	-, -	[,2201]	[,2202]	[,2203]
[1,] "A"	"C"	"T"	"G"	"G"	"T"	"T"	"C"	"C"	"T"	"G"	"G"	"A"
[2,] "A" [3,] "A"	"C" "C"	"T" "T"	"G" "G"	"G" "G"	"T" "T"	"T" "T"	"C" "C"	"C" "C"	"T" "T"	"G" "G"	"G" "G"	"A" "A"
[4,] "A"	"C"	"T"	"G"	"G"	"T"	"T"	"C"	"C"	"T"	"G"	"G"	"A"
[5,] "A"	"Č"	"T"	"G"	"G"	"T"	"T"	"C"	"C"	"T"	"G"	"G"	"A"
[6,] "A"	"C"	"T"	"G"	"G"	"T"	"T"	"C"	"C"	"T"	"G"	"G"	"A"
	] [,2205]			[,2208]			[,2211]			[,2214]	[,2215]	
[1,] "T"	"C"	"G"	"C"	"C"	"T"	"C"	"C"	"G"	"G"	"A"	"C"	"C"
[2,] "T" [3,] "T"	"C" "C"	"G" "G"	"C" "C"	"C" "C"	"T" "T"	"C" "C"	"C" "C"	"G" "G"	"G" "G"	"A" "A"	"C" "C"	"C" "C"
[4,] "T"	"C"	"G"	"C"	"C"	"T"	"C"	"C"	"G"	"G"	"A"	"C"	"C"
[5,] "T"	"C"	"G"	"C"	"C"	"T"	"C"	"C"	"G"	"G"	"A"	"C"	"C"
[6,] "T"	"C"	"G"	"C"	"C"	"T"	"C"	"C"	"G"	"G"	"A"	"C"	"C"
	] [,2218]			[,2221]		[,2223]	[,2224]	[,2225]			[,2228]	
[1,] "A"	"C"	"C" "C"	"A"	"C" "C"	"C" "C"	"A"	"A"	"C" "C"	"G"	"T" "T"	"A"	"C" "C"
[2,] "A" [3,] "A"	"C" "C"	"C"	"Α" "Α"	"C"	"C"	"A" "A"	"A" "A"	"C"	"G" "G"	т "Т"	"A" "A"	"C"
[4,] "A"	"C"	"C"	"A"	"C"	"C"	"A"	"A"	"C"	"G"	"T"	"A"	"C"
[5,] "A"	"C"	"C"	"A"	"C"	"C"	"A"	"A"	"C"	"G"	"T"	"A"	"C"
[6,] "A"	"C"	"C"	"A"	"C"	"C"	"A"	"A"	"C"	"G"	"T"	"A"	"C"
	] [,2231]			[,2234]		_, _	[,2237]	_, _		[,2240]	[,2241]	
[1,] "T" [2,] "T"	"G" "G"	"G" "G"	"G" "G"	"A" "A"	"G" "G"	"A" "A"	"C" "C"	"T" "T"	"C" "C"	"C" "C"	"C" "C"	"T" "T"
[3,] "T"	"G"	"G"	"G"	"A"	"G"	"A"	"C"	"T"	"C"	"C"	"C"	"T"
[4,] "T"	"G"	"G"	"G"	"A"	"G"	"A"	"C"	"T"	"C"	"Č"	"C"	"T"
[5,] "T"	"G"	"G"	"G"	"A"	"G"	"A"	"C"	"T"	"C"	"C"	"C"	"T"
[6,] "T"	"G"	"G"	"G"	"A"	"G"	"A"	"C"	"T"	"C"	"C"	"C"	"T"
	] [,2244] "G"	[,2245] "G"	[,2246] "A"	[,2247] "G"	[,2248] "C"	[,2249] "T"	[,2250] "G"	[,2251] "G"	[,2252] "G"	[,2253] "A"	[,2254] "T"	[,2255] "T"
[1,] "G" [2,] "G"	"G"	"G"	"A"	"G"	"C"	"T"	"G"	"G"	"G"	"A"	"T"	"T"
[3,] "G"	"G"	"G"	"G"	"G"	"C"	"T"	"G"	"G"	"G"	"A"	"T"	"T"
[4,] "G"	"G"	"G"	"A"	"G"	"C"	"C"	"G"	"G"	"G"	"A"	"T"	"T"
[5,] "G"	"G"	"G"	"A"	"G"	"C"	"C"	"G"	"G"	"G"	"A"	"T"	"T"
[6,] "G"	"G"	"G"	"A"	"G"	"C"	"T"	"G"	"G"	"G"	"A"	"T"	"T"
	] [,2257] "T"	[,2258] "G"	[,2259] "G"	[,2260] "A"	[,2261] "G"	[,2262] "C"	[,2263] "A"	[,2264] "C"	[,2265] "T"	[,2266] "T"	[,2267] "G"	[,2268] "T"
[1,] "G" [2,] "G"	"T"	"G"	"G"	"A"	"G"	"C"	"A"	"C"	"T"	"T"	"G"	"T"
[3,] "G"	"T"	"G"	"G"	"A"	"G"	"C"	"A"	"C"	"T"	"T"	"G"	"T"
[4,] "G"	"T"	"G"	"G"	"A"	"G"	"C"	"A"	"C"	"T"	"T"	"G"	"T"
[5,] "G"	"T"	"G"	"G"	"A"	"G"	"C"	"A"	"C"	"T"	"T"	"G"	"T"
[6,] "G"	"T" 1	"G" F 22717	"G" [ 2272]	"A" г ээтэг	"G" F 22747	"C"	"A"	"C"	"T"	"T"	"G"	"T" F 22017
[,2269 [1,] "C"	] [,2270] "A"	[,2271] "C"	[,22/2] "G"	[,2273] "A"	[,2274] "C"	[,2275] "A"	[,2276] "T"	[,2277] "G"	[,2278] "A"	[,2279] "A"	[,2280] "C"	[,2281] "T"
[2,] "C"	"A"	"C"	"G"	"A"	"C"	"A"	"T"	"G"	"A"	"A"	"C"	"T"
[3,] "C"	"A"	"C"	"G"	"A"	"C"	"A"	"T"	"G"	"A"	"A"	"C"	"T"
[4,] "C"	"A"	"C"	"G"	"A"	"C"	"A"	"T"	"G"	"A"	"A"	"C"	"T"
[5,] "C"	"A"	"C"	"G"	"A"	"C"	"A"	"T"	"G"	"A"	"A"	"C"	"T"

[6,]	[,2282]	"A" [,2283]	"C" [,2284]	"G" [,2285]			"A" [,2288]		"G" [,2290]	"A" [,2291]	"A" [,2292]		
[1,]		"A"	"A"	"G"	"A"	"A"	"C"	"A"	"G"	"A"	"G"	"A"	1
[2,]	"G"	"A"	"A"	"G"	"A"	"A"	"C"	"A"	"G"	"A"	"G"	"A"	
[3,]	"G"	"A"	"A"	"G"	"A"	"A"	"C"	"A"	"G"	"A"	"G"	"A"	
[4,]	"G"	"A"	"A"	"G"	"A"	"A"	"C"	"A"	"G"	"A"	"G"	"A"	
							"C"			"A"		"A"	
[5,]	"G"	"A"	"A"	"G"	"A"	"A"		"A"	"G"		"G"		
[6,]	"G"	"A"	"A"	"G"	"A"	"A"	"C"	"A"	"G"	"A"	"G"	"A"	
	[,2295]	[,2296]	[,2297]	[,2298]	[,2299]	[,2300]	[,2301]	[,2302]	[,2303]	[,2304]	[,2305]	[,2306]	
[1,]	"G"	"T"	"T"	"G"	"A"	"A"	"A"	"T"	"G"	"G"	"G"	"T"	
[2,]		"T"	"T"	"G"	"A"	"A"	"A"	"T"	"G"	"G"	"G"	"T"	
	"G"	"T"	"T"	"G"	"A"	"A"	"A"	"T"	"G"	"G"	"G"	"T"	
[3,]								-				-	
[4,]	"G"	"T"	"T"	"G"	"A"	"A"	"A"	"T"	"G"	"G"	"G"	"T"	
[5,]	"G"	"C"	"T"	"G"	"A"	"A"	"A"	"T"	"G"	"G"	"G"	"T"	
[6,]	"G"	"T"	"T"	"G"	"A"	"A"	"A"	"T"	"G"	"G"	"G"	"T"	
	[,2308]	[,2309]	[,2310]	[,2311]	Γ.23127	Γ.23137	[,2314]	[,2315]	[,2316]	[,2317]	[,2318]	[,2319]	
[1,]		"C"	"T"	"C"	"A"	"G"	"T"	"G"	"A"	"T"	"T"	"G"	
[2,]		"C"	"T"	"C"	"A"	"G"	"T"	"G"	"A"	"T"	"T"	"G"	
										-		-	
[3,]	"A"	"C"	"T"	"C"	"A"	"G"	"T"	"G"	"A"	"T"	"T"	"G"	
[4,]		"C"	"T"	"C"	"A"	"G"	"T"	"G"	"A"	"T"	"T"	"G"	
[5,]	"A"	"C"	"T"	"C"	"A"	"G"	"T"	"G"	"A"	"T"	"T"	"G"	
[6,]		"C"	"T"	"C"	"A"	"G"	"T"	"G"	"A"	"T"	"T"	"G"	
_ , _	[,2321]	[,2322]	[,2323]	[,2324]	[,2325]	[,2326]	[,2327]	[,2328]	[,2329]	[,2330]	[,2331]	Γ,23327	
[1,]		"G"	"A"	"G"	"A"	"A"	"T"	"G"	"A"	"A"	"A"	"T"	
							-					-	
[2,]		"G"	"A"	"G"	"A"	"A"	"T"	"G"	"A"	"A"	"A"	"T"	
[3,]	"A"	"G"	"A"	"G"	"A"	"A"	"T"	"G"	"A"	"A"	"A"	"T"	
_ /_		"G"	"A"	"G"	"A"	"A"	"T"	"G"	"A"	"A"	"A"	"T"	
[5,]	"A"	"G"	"A"	"G"	"A"	"A"	"T"	"G"	"A"	"A"	"A"	"T"	
[6,]		"G"	"A"	"G"	"A"	"A"	"T"	"G"	"A"	"A"	"A"	"T"	
,_	[,2334]	[,2335]	Γ,23367	[,2337]	[,2338]	[,2339]	[,2340]	[,2341]	[,2342]	[,2343]	[,2344]	•	
[1,]		"A"	"G"	"A"	"A"	"A"	"C"	"C"	"A"	"T"	"A"	_,2343] "T"	
										-		-	
[2,]		"A"	"G"	"A"	"A"	"A"	"C"	"C"	"A"	"T"	"A"	"T"	
[3,]		"A"	"G"	"A"	"A"	"A"	"C"	"C"	"A"	"T"	"A"	"T"	
[4,]	"A"	"A"	"G"	"A"	"A"	"A"	"C"	"C"	"T"	"T"	"A"	"T"	
[5,]		"A"	"G"	"A"	"A"	"A"	"C"	"C"	"A"	"T"	"A"	"T"	
[6,]		"A"	"G"	"A"	"A"	"A"	"C"	"C"	"A"	"T"	"A"	"T"	
,_	[,2347]	[,2348]	[,2349]	[,2350]	[,2351]	[,2352]	[,2353]	[,2354]	[,2355]	[,2356]	[,2357]		
Г1 7	-, -	[,2346] "A"	"C"	[,2330] "T"	"G"	[,2332] "A"	L,2333] "T"	L,2334] "T"	"G"	"C"	[,2337] "A"	"C"	
[1,]							-	-					
[2,]		"A"	"C"	"T"	"G"	"A"	"T"	"T"	"G"	"C"	"A"	"C"	
[3,]	"A"	"A"	"C"	"T"	"G"	"A"	"T"	"T"	"G"	"C"	"A"	"C"	
[4,]	"A"	"A"	"C"	"T"	"G"	"A"	"T"	"T"	"G"	"C"	"A"	"C"	
[5,]	"A"	"A"	"C"	"T"	"G"	"A"	"T"	"T"	"G"	"C"	"A"	"C"	
[6,]		"A"	"C"	"T"	"G"	"A"	"T"	"T"	"G"	"C"	"A"	"C"	
ړ۰, ا							•	· ·		-		-	
F4 -	[,2360]	[,2361]	[,2362]	[,2363]	[,2364]	[,2365]	[,2366]	[,2367]	[,2368]	[,2369]	[,2370]	[,2371]	
[1,]		"G"	"A"	"C"	"A"	"A"	"T"	"G"	"A"	"A"	"A"	"C"	
[2,]		"G"	"A"	"C"	"A"	"A"	"T"	"G"	"A"	"A"	"A"	"C"	
[3,]	"G"	"G"	"A"	"C"	"A"	"A"	"T"	"G"	"A"	"A"	"A"	"C"	
[4,]	"G"	"G"	"A"	"C"	"A"	"A"	"T"	"G"	"A"	"A"	"A"	"C"	
[5,]	"G"	"G"	"A"	"C"	"A"	"A"	"T"	"G"	"A"	"A"	"A"	"C"	
				"C"		"A"	"T"					"C"	
[6,]	"G"	"G"	"A"		"A"			"G"	"A"	"A"	"A"		
_				[,2376]									
[1,]	"G"	"A"	"G"	"A"	"A"	"A"		"C"	"C"	"A"	"T"	"C"	
[2,]		"A"	"G"	"A"	"A"	"A"	"C"	"C"	"C"	"A"	"T"	"C"	
[3,]		"A"	"G"	"A"	"A"	"A"	"C"	"C"	"C"	"A"	"T"	"C"	
[4,]		"A"	"G"	"A"	"A"	"A"	"C"	"C"	"C"	"G"	"T"	"C"	
[5,]		"A"	"G"	"A"	"A"	"A"	"C"	"C"	"C"	"A"	"T"	"C"	
בפיי								"C"			"T"	"C"	
[6,]		"A"	"G"	"A"	"A"	"A"	"C"		"C"	"A"			
_	[,2386]	[,2387]	[,2388]	[,2389]	[,2390]	[,2391]	[,2392]	[,2393]	[,2394]	[,2395]	[,2396]	[,2397]	
[1,]	"A"	"C"	"A"	"G"	"T"	"G"	"A"	"A"	"A"	"C"	"C"	"A"	
[2,]	"A"	"C"	"A"	"G"	"T"	"G"	"A"	"A"	"A"	"C"	"C"	"A"	
[3,]		"C"	"A"	"G"	"T"	"G"	"A"	"A"	"A"	"C"	"C"	"A"	
[4,]		"C"	"A"	"G"	"T"	"G"	"A"	"A"	"A"	"C"	"C"	"A"	
[5,]	"A"	"C"	"A"	"G"	"T"	"G"	"A"	"A"	"A"	"C"	"C"	"A"	
				-	-	-				-			
[6,]	"A"	"C"	"A"	"G"	"T"	"G"	"A"	"A"	"A"	"C"	"C"	"A"	
	[,2399]	[,2400]	[,2401]	[,2402]	[,2403]	[,2404]	[,2405]	[,2406]	[,2407]	[,2408]	[,2409]	[,2410]	
[1,]		"A"	"T"	"G"	"T"	"A"	"G"	"Á"	"Ć"	"T"	"A"	"A"	
[2,]		"A"	"T"	"G"	"T"	"A"	"G"	"A"	"C"	"T"	"A"	"A"	
[3,]		"A"	"T"	"G"	"T"	"A"	"G"	"A"	"C"	"T"	"A"	"A"	
										-			
[4,]		"A"	"T"	"G"	"T"	"A"	"G"	"A"	"C"	"T"	"A"	"A"	
[5,]	"G"	"A"	"T"	"G"	"T"	"A"	"G"	"A"	"C"	"T"	"A"	"A"	
[6,]	"G"	"A"	"T"	"G"	"T"	"A"	"G"	"A"	"C"	"T"	"A"	"A"	
	[,2412]	[,2413]	[,2414]	[,2415]	[,2416]	[,2417]	[,2418]	[,2419]	[,2420]	[,2421]	[,2422]	[,2423]	
[1,]		"T"	"A"	"A"	"A"	"G"	"A"	"A"	"A"	"C"	"A"	"C"	
		"T"		"A"		"G"	"A"	"A"		"C"	"A"	"C"	
[2,]			"A"		"A"				"A"				
. <b>-</b>	"A"	"T"	"G"	"A" "A"	"A"	"G"	"A"	"A"	"A"	"C"	"A"	"C"	
[4,]		"T"	"A"		"A"	"G"	"A"	"A"	"A"	"C"	"G"	"C"	

5,]		"T"	"A"	"A"	"A"	"G"	"A"	"A"	"A"	"T"	"G"	"C"	"T"
[6,]	"A" [,2425]	"T" Γ.24261	"G" [,2427]	"A" [,2428]	"A" [,2429]	"G" [,2430]	"A" [,2431]	"A" [,2432]	"A" Γ. 24331	"C" [,2434]	"A" [,2435]	"C" [,2436]	"T" [,243
1,]	"T"	"T"	"C"	"T"	"T"	"G"	"A"	"G"	"C"	"A"	"C"	"C"	"A"
2,]	"T"	"T"	"C"	"T"	"T"	"G"	"A"	"G"	"C"	"A"	"C"	"C"	"A"
3,]	"T"	"T"	"C"	"T"	"T"	"G"	"A"	"G"	"C"	"A"	"C"	"C"	"A"
4,]	"T"	"T"	"C"	"T"	"T"	"G"	"A"	"G"	"C"	"A"	"C"	"C"	"A"
5,]	"T"	"T"	"C"	"T"	"T"	"G"	"A"	"G"	"C"	"A"	"C"	"C"	"A"
	"T"	"T"	"C"	"T"	"T"	"G"	"A"	"G"	"C"	"A"	"C"	"C"	"A"
,_	[,2438]	[,2439]	[,2440]	[,2441]	[,2442]	[,2443]		[,2445]		[,2447]	[,2448]	[,2449]	[,245
1,]	"G"	"G"	"T"	"G"	"T"	"T"	"A"	"A"	"A"	"A"	"A"	"C"	"C"
2,]	"G"	"G"	"T"	"G"	"T"	"T"	"A"	"A"	"A"	"A"	"A"	"C"	"C"
3,]	"G"	"G"	"T"	"G"	"T"	"T"	"A"	"A"	"A"	"A"	"A"	"C"	"C"
4,]	"G"	"G"	"T"	"G"	"T"	"T"	"A"	"A"	"A"	"A"	"A"	"C"	"C"
5,]	"G"	"G"	"T"	"G"	"T"	"T"	"A"	"A"	"A"	"A"	"A"	"C"	"C"
6,]		"G"	"T"	"G"	"T"	"T"	"A"	"A"	"A"	"A"	"A"	"C"	"C"
٠,٦	[,2451]	[,2452]			[,2455]	[,2456]		[,2458]		[,2460]	[,2461]	[,2462]	
1,]	"A"	"T"	"T"	"A"	"T"	"A"	"A"	"A"	"A"	"T"	"C"	"T"	"T"
2,]	"A"	"T"	"T"	"A"	"T"	"A"	"A"	"A"	"A"	"T"	"C"	"T"	"T"
	"A"	"T"	"T"	"A"	"T"	"A"	"A"	"A"	"A"	"T"	"C"	"T"	"T"
3,]	"A"	"T"	"T"	"A"	"T"	"A"	"A"	"A"	"A"	"T"	"C"	"T"	"T"
4,]	"A"	"T"	"T"	"A"	"T"	"A"	"A"	"A"	"A"	"T"	"C"	"T"	"T"
5,]		-	-								-	-	
[6,]		"T"	"T"	"A" F 24677	"T"	"A"	"A" F 24707	"A" F 24717	"A" F 24727	"T"	"C"	"T"	"T"
., -	[,2464]		[,2466]		[,2468]		[,2470]	[,2471]		[,2473]	[,2474]	[,2475]	
1,]	"T"	"C"	"C"	"A"	"T"	"C"	"T"	"C"	"A"	"T"	"T"	"A"	"C"
2,]	"T"	"C"	"C"	"A"	"T"	"C"	"T"	"C"	"A"	"T"	"T"	"A"	"C"
3,]	"T"	"C"	"C"	"A"	"T"	"C"	"T"	"C"	"A"	"T"	"T"	"A"	"C"
4,]	"T"	"C"	"C"	"A"	"T"	"C"	"T"	"C"	"G"	"T"	"T"	"A"	"C"
5,]	"T"	"C"	"C"	"A"	"T"	"C"	"T"	"C"	"A"	"T"	"T"	"A"	"C"
[6,]	"T"	"C"	"C"	"A"	"T"	"C"	"T"	"C"	"A"	"T"	"T"	"A"	"C"
	[,2477]		[,2479]		[,2481]	[,2482]		[,2484]		[,2486]	[,2487]	[,2488]	
1,]	"A"	"G"	"C"	"T"	"C"	"A"	"T"	"T"	"C"	"G"	"C"	"T"	"C"
2,]	"A"	"G"	"C"	"T"	"C"	"A"	"T"	"T"	"C"	"G"	"C"	"T"	"C"
3,]	"A"	"G"	"C"	"T"	"C"	"A"	"T"	"T"	"C"	"G"	"C"	"T"	"C"
4,]	"A"	"G"	"C"	"T"	"C"	"A"	"T"	"T"	"C"	"T"	"C"	"T"	"C"
5,]	"A"	"G"	"C"	"T"	"C"	"A"	"T"	"T"	"C"	"G"	"C"	"T"	"C"
6,]	"A"	"G"	"C"	"T"	"C"	"A"	"T"	"T"	"C"	"G"	"C"	"T"	"C"
	[,2490]	Γ,24917	[,2492]	Γ,24937	[,2494]	Γ,24957	[,2496]	[,2497]	Γ,24987	[,2499]	[,2500]	[,2501]	Γ,25
1,]	"Ć"	"A"	"Ğ"	"Ć"	"A"	"A"	"Ğ"	"Ć"	"C"	"Ć"	"Ğ"	"Ť"	"Ć"
2,]	"C"	"A"	"G"	"C"	"A"	"A"	"G"	"C"	"C"	"C"	"G"	"T"	"T"
3,]	"C"	"A"	"G"	"C"	"A"	"A"	"G"	"C"	"C"	"C"	"G"	"T"	"T"
4,]	"C"	"A"	"G"	"C"	"A"	"A"	"G"	"C"	"C"	"C"	"C"	"T"	"T"
5,]	"C"	"A"	"G"	"C"	"A"	"A"	"G"	"C"	"C"	"C"	"G"	"T"	"T"
6,1	"C"	"A"	"G"	"C"	"A"	"A"	"G"	"C"	"C"	"C"	"G"	"T"	"T"
, _		Γ.25047	[,2505]	Γ.25067	[,2507]	Γ.25087	[,2509]	[,2510]	Γ.25117	[,2512]	[,2513]	[,2514]	Γ.25
1,]	"A"	"T"	"C"	"T"	"T"	"C"	"C"	"C"	"T"	"T"	"T"	"C"	"C"
2,]	"A"	"T"	"C"	"T"	"T"	"C"	"C"	"C"	"T"	"T"	"T"	"C"	"C"
3,]	"A"	"T"	"C"	"T"	"T"	"C"	"C"	"C"	"T"	"T"	"T"	"C"	"C"
4,]	"A"	"T"	"C"	"T"	"T"	"C"	"C"	"C"	"T"	"T"	"T"	"C"	"C"
5,]	"A"	"T"	"C"	"T"	"T"	"C"	"C"	"C"	"T"	"T"	"T"	"C"	"C"
[6,]	"A"	"T"	"C"	"T"	"T"	"C"	"C"	"C"	"T"	"T"	"T"	"C"	"C"
٠,٦		-	[,2518]	-	-	[,2521]		[,2523]	-	[,2525]	-	-	-
1 7	[,2516]		"C"		"T"	"T"		"T"			"T"	"A"	"A"
1,]	"T" "T"	"C" "C"	"C"	"C" "C"	"T"	"T"	"C" "C"	"T"	"G" "G"	"A" "A"	"T"	"A"	"A"
2,]	"T"	"C"	"C"	"C"	"T"	"T"	"C"	"T"	"G" "G"	"A"	"T"	"A"	"A"
3,]					"T"	"T"		"T"			"T"		
4,]	"T"	"C"	"C"	"C"	-	-	"C"	-	"G"	"A"	-	"A"	"A"
5,]	"T"	"C"	"C"	"C"	"T"	"T"	"C"	"T"	"G"	"A"	"T"	"A"	"A"
[6,]	"T"	"C"	"C"	"C"	"T"	"T"	"C"	"T"	"G"	"A"	"T"	"A"	"A"
., -		[,2530]	[,2531]		[,2533]	[,2534]	-, -	[,2536]		[,2538]		[,2540]	[,25
1,]		"A"	"C"	"T"	"G"	"G"	"A"	"A"	"A"	"A"	"T"	"A"	"G"
2,]		"A"	"C"	"T"	"G"	"G"	"A"	"A"	"A"	"G"	"T"	"A"	"G"
3,]		"A"	"C"	"T"	"G"	"G"	"A"	"A"	"A"	"G"	"T"	"A"	"G"
4,]	"G"	"A"	"C"	"T"	"G"	"G"	"A"	"A"	"A"	"G"	"T"	"A"	"G"
5,]	"G"	"A"	"C"	"T"	"G"	"G"	"A"	"A"	"A"	"G"	"T"	"A"	"A"
[6,]	"G"	"A"	"C"	"T"	"G"	"G"	"A"	"A"	"A"	"G"	"T"	"A"	"G"
	[,2542]		[,2544]		[,2546]		[,2548]			[,2551]		[,2553]	
1,]		"C"	"C"	"T"	"C"	"C"	"A"	"A"	"A"	"A"	"C"	"A"	"C"
2,]	"T"	"C"	"C"	"T"	"C"	"C"	"A"	"A"	"A"	"A"	"C"	"A"	"C"
	"T"	"C"	"C"	"T"	"C"	"C"	"A"	"A"	"A"	"A"	"C"	"A"	"C"
3,]	"T"	"C"	"C"	"T"	"C"	"C"	"A"	"A"	"A"	"A"	"A"	"A"	"C"
3,] 4,]		"C"	"C"	"T"	"C"	"C"	"A"	"A"	"A"	"A"	"A"	"A"	"C"
4,]	"T"		"C"	"T"	"C"	"C"	"A"	"A"	"A"	"A"	"C"	"A"	"C"
4,] 5,]	"T"	"C"			-			[,2562]		[,2564]	[,2565]	[,2566]	
4,] 5,]	"T" "T"			Γ.25587	F. 25597	1.25601							∟,∠J
[4,] [5,] [6,]	"T" "T" [,2555]	[,2556]	[,2557]	[,2558]	[,2559]	[,2560]							"T"
[4,] [5,] [6,]	"T" "T" [,2555] "A"	[,2556] "A"	[,2557] "G"	"G"	"G"	"A"	"G"	"G"	"A"	"T"	"T"	"T"	"T" "T"
[4,] [5,] [6,]	"T" "T" [,2555] "A" "A"	[,2556]	[,2557]	-, -									"T" "T" "T"

[4,]	"A"	"A"	"G"	"G"	"G"	"A"	"G"	"G"	"A"	"T"	"T"	"T"	"T"
[5,]	"A"	"A"	"G"	"G"	"G"	"A"	"G"	"G"	"A"	"T"	"T"	"T"	"T"
[6,]	"A" [,2568]	"A" [,2569]	"G" [,2570]	"G" [,2571]	"G" [,2572]	"A" F 25727	"G" [,2574]	"G" [,2575]	"A"	"T"	"T" [,2578]	"T"	"T"
[1,]	"G"	"G"	"G"	"T"	"G"	[,2573] "G"	"C"	"C"	[,2576] "A"	[,2577] "A"	"A"	[,2579] "G"	[,2580] "T"
[2,]	"G"	"G"	"G"	"T"	"G"	"G"	"C"	"C"	"A"	"A"	"A"	"G"	"T"
[3,]	"G"	"G"	"G"	"T"	"G"	"G"	"C"	"C"	"A"	"A"	"A"	"G"	"T"
[4,] [5,]	"G" "G"	"G" "G"	"G" "G"	"T" "T"	"G" "G"	"G" "G"	"C" "C"	"C" "C"	"A" "A"	"A" "A"	"A" "A"	"G" "G"	"T" "T"
[6,]	"G"	"G"	"G"	"T"	"G"	"G"	"C"	"C"	"A"	"A"	"A"	"G"	"T"
_ ,_	[,2581]		[,2583]	[,2584]	[,2585]	[,2586]	[,2587]		[,2589]	[,2590]		[,2592]	[,2593]
[1,]	"G"	"T"	"A"	"C"	"A"	"A"	"T"	"T"	"T"	"T"	"C"	"A"	"T"
[2,] [3,]	"G" "G"	"T" "T"	"A" "A"	"C" "C"	"A" "A"	"A" "A"	"T" "T"	"T" "T"	"T" "T"	"T" "T"	"C" "C"	"A" "A"	"T" "T"
[4,]	"A"	"T"	"A"	"T"	"A"	"A"	"T"	"T"	"T"	"T"	"C"	"A"	"T"
[5,]	"G"	"T"	"A"	"T"	"A"	"A"	"T"	"T"	"T"	"T"	"C"	"A"	"T"
[6,]		"T"	"A"	"C"	"A"	"A"	"T"	"T"	"T"	"T"	"C"	"A"	"T"
[1,]	[,2594] "C"	[,2595] "C"	[,2596] "C"	[,2597] "A"	[,2598] "C"	[,2599] "A"	[,2600] "A"	L,2601]	[,2602] "T"	[,2603] "G"	L,2604]	[,2605]	[,2606] "A"
[2,]	"C"	"C"	"C"	"A"	"C"	"A"	"A"	"T"	"T"	"G"	"A"	"A"	"A"
[3,]	"C"	"C"	"C"	"A"	"C"	"A"	"A"	"T"	"T"	"G"	"A"	"A"	"A"
[4,]	"C" "C"	"C" "C"	"C" "C"	"A" "A"	"C" "C"	"A" "A"	"A" "A"	"T" "T"	"T" "T"	"G" "G"	"A" "A"	"A" "A"	"A" "A"
[5,] [6,]		"C"	"C"	"A"	"C"	Α "Δ"	"A"	"T"	"T"	"G"	Α "Α"	Α "Δ"	"A"
L°,1		[,2608]		[,2610]	-	[,2612]	[,2613]	-	[,2615]	[,2616]		[,2618]	[,2619]
[1,]	"T"	"T"	"T"	"T"	"T"	"A"	"A"	"A"	"T"	"C"	"A"	"T"	"T"
[2,] [3,]	"T" "T"	"T" "T"	"T" "T"	"T" "T"	"T" "T"	"A" "A"	"A" "A"	"A" "A"	"T" "T"	"C" "C"	"A" "A"	"T" "T"	"T" "T"
[4,]	"T"	"T"	"T"	"T"	"T"	"A"	"A"	"A"	"T"	"C"	"A"	"T"	"T"
[5,]	"T"	"T"	"T"	"T"	"T"	"A"	"A"	"A"	"T"	"C"	"A"	"T"	"T"
[6,]		"T"	"T"	"T"	"T"	"A"	"A"	"A"	"T"	"C"	"A"	"T"	"T"
[1,]	[,2620] "T"	[,2621] "C"	[,2622] "A"	[,2623] "T"	[,2624] "G"	[,2625] "T"	[,2626] "T"	[,2627] "A"	[,2628] "G"	[,2629] "T"	[,2630] "C"	[,2631] "T"	[,2632] "T"
[2,]	"T"	"C"	"A"	"T"	"G"	"T"	"T"	"A"	"G"	"T"	"C"	"T"	"T"
[3,]	"T"	"C"	"A"	"T"	"G"	"T"	"T"	"A"	"G"	"T"	"C"	"T"	"T"
[4,]	"T"	"C"	"A"	"T"	"G"	"T"	"T"	"A"	"G"	"T"	"C"	"T"	"T"
[5,] [6,]	"T" "T"	"C" "C"	"A" "A"	"T" "T"	"G" "G"	"T" "T"	"T" "T"	"A" "A"	"G" "G"	"T" "T"	"C" "C"	"T" "T"	"T" "T"
[0,1			[,2635]	-		-	[,2639]		[,2641]	[,2642]	-	[,2644]	[,2645]
[1,]	"A"	"C"	"C"	"G"	"A"	"A"	"T"	"A"	"A"	"G"	"G"	"Ť"	"A"
[2,]	"A"	"C"	"C"	"T"	"A"	"A"	"T"	"A"	"A"	"G"	"G"	"T"	"A"
[3,] [4,]	"A" "A"	"C" "C"	"C" "C"	"T" "T"	"A" "A"	"A" "A"	"T" "T"	"A" "A"	"A" "A"	"G" "G"	"G" "G"	"T" "T"	"A" "A"
[5,]	"A"	"C"	"C"	"T"	"A"	"A"	"T"	"A"	"A"	"G"	"G"	"T"	"A"
[6,]		"C"	"C"	"T"	"A"	"A"	"T"	"A"	"A"	"G"	"G"	"T"	"A"
F4 7		[,2647]	_, _	[,2649]	_, _		[,2652]		[,2654]	[,2655]		[,2657]	[,2658]
[1,] [2,]	"C" "C"	"C" "C"	"A" "A"	"A" "A"	"G" "G"	"A" "A"	"T" "T"	"C" "C"	"A" "A"	"C" "C"	"A" "A"	"A" "A"	"A" "A"
[3,]	"C"	"C"	"A"	"A"	"G"	"A"	"T"	"C"	"A"	"C"	"A"	"A"	"A"
[4,]	"C"	"C"	"A"	"A"	"G"	"A"	"T"	"C"	"A"	"A"	"A"	"A"	"A"
[5,]	"C" "C"	"C" "C"	"A" "A"	"A" "A"	"G" "G"	"A" "A"	"T" "T"	"C" "C"	"A" "A"	"C" "C"	"A" "A"	"A" "A"	"A" "A"
[6,]			[,2661]				-				[,2669]		[,2671]
[1,]	"T"	"A"	"G"	"T"	"G"	"T"	"T"	"G"	"A"	"T"	"C"	"A"	"G"
[2,]	"T"	"A"	"G"	"T"	"G"	"T"	"T"	"G"	"A"	"T"	"C"	"A"	"G"
[3,] [4,]	"T" "T"	"A" "A"	"G" "G"	"T" "T"	"G" "G"	"T" "T"	"T" "T"	"G" "G"	"A" "A"	"T" "T"	"C" "C"	"A" "A"	"G" "G"
[5,]	"T"	"A"	"G"	"T"	"G"	"T"	"T"	"G"	"A"	"T"	"C"	"A"	"G"
[6,]	"T"	"A"	"G"	"T"	"G"	"T"	"T"	"G"	"A"	"T"	"C"	"A"	"G"
F4 7				[,2675]			[,2678]		[,2680]	[,2681]		[,2683]	[,2684]
[1,] [2,]	"A"	"T" "T"	"C" "C"	"T" "T"	"T" "T"	"A" "A"	"C" "C"	"A" "A"	"A" "A"	"G" "G"	"T" "T"	"T" "T"	"T" "T"
[3,]		"T"	"C"	"T"	"T"	"A"	"C"	"A"	"A"	"G"	"T"	"T"	"T"
[4,]	"A"	"T"	"C"	"T"	"T"	"A"	"C"	"A"	"A"	"G"	"T"	"T"	"T"
[5,]		"T" "T"	"C" "C"	"T" "T"	"T" "T"	"A" "A"	"C" "C"	"A" "A"	"A" "A"	"G" "G"	"T" "T"	"T" "T"	"T" "T"
[6,]	[,2685]			[,2688]	· -	[,2690]	[,2691]		[,2693]	[,2694]	-	[,2696]	[,2697]
[1,]	"A"	"T"	"G"	"T"	"G"	"G"	"C"	"A"	"C"	"A"	"C"	"A"	"A"
[2,]	"A"	"T"	"G"	"T"	"G"	"G"	"C"	"A"	"C"	"A"	"C"	"A"	"A"
[3,]	"A" "A"	"T" "T"	"G" "G"	"T" "T"	"G" "G"	"G" "G"	"C" "C"	"A" "A"	"C" "C"	"A" "A"	"C" "C"	"A" "A"	"A" "A"
[4,] [5,]		"T"	"G"	т "Т"	"G"	"G"	"C"	"A"	"C"	"A"	"C"	"A"	"A"
[6,]		"T"	"G"	"T"	"G"	"G"	"C"	"A"	"C"	"A"	"C"	"A"	"A"
F	[,2698]	[,2699]	[,2700]	[,2701]	[,2702]	[,2703]	[,2704]		[,2706]	[,2707]	[,2708]	[,2709]	[,2710]
[1,] [2,]	"T" "T"	"C" "C"	"C" "C"	"T" "T"	"A" "A"	"T" "T"	"A" "A"	"A" "A"	"A" "A"	"T" "T"	"G" "G"	"T" "T"	"G" "G"
۱, ۲	•				^	•	^	^	^	•	3	•	u

[3,] [4,]		"C" "C"	"C" "C"	"T" "T"	"A" "A"	"T" "T"	"A" "A"	"A" "A"	"A" "A"	"T" "T"	"G" "G"	"T" "T"	"G" "G"
[5,]	"T"	"C"	"C"	"T"	"A"	"T"	"A"	"A"	"A"	"T"	"G"	"T"	"G"
[6,]	"T"	"C"	"C"	"T"	"A"	"T"	"A"	"A"	"A"	"T"	"G"	"T"	"G"
_ /_		[,2712]	[,2713]	[,2714]	[,2715]	[,2716]	[,2717]	[,2718]	[,2719]	[,2720]	[,2721]	[,2722]	[,272
[1,]	"Á"	"T"	"T"	"T"	"T"	"T"	"T"	"T"	"A"	"T"	"Á"	"T"	"Á"
[2,]	"A"	"T"	"T"	"T"	"-"	"T"	"T"	"T"	"A"	"T"	"A"	"T"	"A"
[3,]	"A"	"T"	"T"	"T"	"-"	"T"	"T"	"T"	"A"	"T"	"A"	"T"	"A"
[4,]		"T"	"T"	"T"	"-"	"T"	"T"	"T"	"A"	"T"	"A"	"T"	"A"
[5,]	"A"	"T"	"T"	"T"	"-"	"T"	"T"	"T"	"A"	"T"	"A"	"T"	"A"
[6,]	"A"	"T"	"T"	"T"	"-"	"T"	"T"	"T"	"A"	"T"	"A"	"T"	"A"
	[,2724]	[,2725]	[,2726]	[,2727]	[,2728]	[,2729]	[,2730]	[,2731]	[,2732]	[,2733]	[,2734]	[,2735]	[,273
[1,]	"A"	"G"	"T"	"T"	"A"	"A"	"A"	"G"	"A"	"G"	"A"	"C"	"A"
[2,]	"A"	"G"	"T"	"T"	"A"	"A"	"A"	"G"	"A"	"G"	"A"	"C"	"A"
[3,]		"G"	"T"	"T"	"A"	"A"	"A"	"G"	"A"	"G"	"A"	"C"	"A"
[4,]	"A"	"G"	"T"	"T"	"A"	"A"	"A"	"G"	"A"	"G"	"A"	"C"	"A"
[5,]		"G"	"T"	"T"	"A"	"A"	"A"	"G"	"A"	"G"	"A"	"C"	"A"
[6,]	"A"	"G"	"T"	"T"	"A"	"A"	"A"	"G"	"A"	"G"	"A"	"C"	"A"
_ /_	[,2737]	[,2738]	[,2739]	Γ,27407	Γ,27417	[,2742]	[,2743]	Γ,27447	[,2745]	Γ,2746]	[,2747]	[,2748]	[,274
[1,]		"A"	"Ť"	"Á"	"Ġ"	"T"	"Á"	"Ġ"	"Ğ"	"C"	"Ť"	"A"	"Á"
[2,]		"A"	"T"	"A"	"G"	"T"	"A"	"G"	"G"	"C"	"T"	"A"	"A"
[3,]		"A"	"T"	"A"	"G"	"T"	"A"	"G"	"G"	"C"	"T"	"A"	"A"
[4,]		"A"	"T"	"A"	"G"	"T"	"A"	"G"	"G"	"C"	"T"	"A"	"A"
[5,]		"A"	"T"	"A"	"G"	"T"	"A"	"G"	"G"	"C"	"T"	"A"	"A"
[6,]		"A"	"T"	"A"	"G"	"T"	"A"	"G"	"G"	"C"	"T"	"A"	"C"
۲۰۰٦		[,2751]	•			-	[,2756]			[,2759]	[,2760]	[,2761]	[,276
[1,]	"A"	"A"	"A"	"C"	"A"	"T"	"T"	"T"	"T"	"A"	"A"	"A"	"A"
[2,]		"A"	"A"	"C"	"A"	"T"	"T"	"T"	"T"	"A"	"A"	"A"	"A"
[3,]		"A"	"A"	"C"	"A"	"T"	"T"	"T"	"T"	"A"	"A"	"A"	"A"
[4,]		"A"	"A"	"C"	"A"	"T"	"T"	"T"	"T"	"A"	"A"	"A"	"A"
[5,]		"A"	"A"	"C"	"A"	"T"	"T"	"T"	"T"	"A"	"A"	"A"	"A"
		"A"	"A"	"C"	"A"	"T"	"T"	"T"	"T"	"A"	"A"	"A"	"A"
[6,]						-	-	· -	•				
F4 7		[,2764]		[,2766]			[,2769] "T"		[,2771] "T"	[,2772]	[,2773]	[,2774]	[,277
[1,]		"C"	"A"	"A"	"C" "C"	"T" "T"	т "Т"	"T" "T"	т "Т"	"G"	"A"	"A"	"A"
[2,]	"T"	"C"	"A"	"A"	-	-	-	-	-	"G"	"A"	"A"	"A"
[3,]		"C"	"A"	"A"	"C"	"T"	"T"	"T"	"T"	"G"	"A"	"A"	"A"
[4,]	"T"	"C"	"A"	"A"	"C"	"T"	"T"	"T"	"T"	"G"	"A"	"A"	"A"
[5,]	"T"	"C"	"A"	"A"	"C"	"T"	"T"	"T"	"T"	"G"	"T"	"A"	"A"
[6,]		"C"	"A"	"A"	"C"	"T"	"T"	"T"	"T"	"G"	"A"	"A"	"A"
		[,2777]		[,2779]	[,2780]		[,2782]		[,2784]		[,2786]	[,2787]	[,278
[1,]		"T"	"T"	"A"	"A"	"A"	"A"	"A"	"T"	"C"	"T"	"T"	"T"
[2,]	"T"	"T"	"T"	"A"	"A"	"A"	"A"	"A"	"T"	"C"	"T"	"T"	"T"
[3,]	"T"	"T"	"T"	"A"	"A"	"A"	"A"	"A"	"T"	"C"	"T"	"T"	"T"
[4,]	"T"	"T"	"T"	"A"	"A"	"A"	"A"	"A"	"T"	"C"	"T"	"T"	"T"
[5,]	"T"	"T"	"T"	"A"	"A"	"A"	"A"	"A"	"T"	"C"	"T"	"T"	"T"
[6,]	"T"	"T"	"T"	"A"	"A"	"A"	"A"	"A"	"T"	"C"	"T"	"T"	"T"
	[,2789]	[,2790]	[,2791]	[,2792]	[,2793]	[,2794]	[,2795]	[,2796]	[,2797]	[,2798]	[,2799]	[,2800]	[,280
[1,]	"C"	"A"	"G"	"A"	"A"	"T"	"A"	"C"	"A"	"A"	"T"	"T"	"C"
[2,]		"A"	"G"	"A"	"A"	"T"	"A"	"C"	"A"	"A"	"T"	"T"	"C"
[3,]	"C"	"A"	"G"	"A"	"A"	"T"	"A"	"C"	"A"	"A"	"T"	"T"	"C"
[4,]	"C"	"A"	"G"	"A"	"A"	"T"	"A"	"C"	"A"	"A"	"T"	"T"	"G"
[5,]	"C"	"A"	"G"	"A"	"A"	"T"	"A"	"C"	"A"	"A"	"T"	"T"	"C"
[6,]		"A"	"G"	"A"	"A"	"T"	"A"	"C"	"A"	"A"	"T"	"T"	"C"
	[,2802]	[,2803]	[,2804]	[,2805]	[,2806]	[,2807]	[,2808]	[,2809]	[,2810]	[,2811]	[,2812]	[,2813]	[,282
[1,]	"A"	"Ğ"	"T"	"T"	"T"	"T"	"A"	"Ğ"	"T"	"T"	"T"	"C"	"Á"
[2,]		"G"	"T"	"T"	"T"	"T"	"A"	"G"	"T"	"T"	"T"	"C"	"A"
[3,]		"G"	"T"	"T"	"T"	"T"	"A"	"G"	"T"	"T"	"T"	"C"	"A"
[4,]		"G"	"T"	"T"	"T"	"T"	"A"	"G"	"T"	"T"	"T"	"C"	"A"
[5,]	"A"	"G"	"T"	"T"	"T"	"T"	"A"	"G"	"T"	"T"	"T"	"C"	"A"
[6,]		"G"	"T"	"T"	"T"	"T"	"A"	"G"	"T"	"T"	"T"	"C"	"A"
_ , , _	[,2815]	[,2816]	[,2817]	[,2818]	[,2819]	[,2820]	[,2821]		[,2823]	[,2824]	[,2825]	[,2826]	[,282
[1,]		"A"	"A"	"T"	"G"	"T"	"T"	"A"	"A"	"C"	"A"	"A"	"C"
[2,]		"A"	"A"	"T"	"G"	"T"	"T"	"A"	"A"	"C"	"A"	"A"	"C"
[3,]		"A"	"A"	"T"	"G"	"T"	"T"	"A"	"A"	"C"	"A"	"A"	"C"
[4,]		"A"	"A"	"T"	"G"	"T"	"T"	"A"	"A"	"C"	"A"	"A"	"C"
[5,]		"A"	"A"	"T"	"G"	"T"	"T"	"A"	"A"	"C"	"A"	"A"	"C"
		"A"	"A"	"T"	"G"	т "Т"	т "Т"	"A"	"A"	"C"	"A"	"A"	"C"
[6,]				-		-	-						
га ¬	[,2828]	[,2829]		[,2831]		[,2833]	[,2834]		[,2836]	[,2837]	[,2838]	[,2839]	[,284
[1,]	"T"	"T"	"G"	"A"	"A"	"T"	"T"	"A"	"C"	"A"	"A"	"C"	"C"
F0 -		"T"	"G"	"A"	"A"	"T"	"T"	"A"	"C"	"A"	"A"	"C"	"C"
[2,]	"T"	"T"	"G"	"A"	"A"	"T"	"T"	"A"	"C"	"A"	"A"	"C"	"C"
[3,]		"T"	"G"	"A"	"A"	"T"	"T"	"A"	"C"	"A"	"A"	"C"	"C"
[3,]	"T"												
[3,] [4,]		"†"	"G"	"A"	"A"	"T"	"T"	"A"	"C"	"A"	"A"	"C"	"C"
[3,] [4,] [5,]					"A" "A"	"T" "T"	"T" "T"	"A" "A"	"C"	"A" "A"	"A" "A"	"C" "C"	"C" "C"
[2,] [3,] [4,] [5,] [6,]	"T" "T"	"T"	"G" "G"	"A"	"A"	"T"	"T"	"A"	"C"		"A"		"C"

F2 7	""	"G"	"T"	"T"	" A "	"T"	"C"	"A"	"G"	"T"	"T"	"G"	""
[2,]		"G"			"A"					-	"T"		"G"
[3,]	"A"		"T"	"T"	"A"	"T"	"C"	"A"	"G"	"T"	-	"G"	"G"
[4,]	"G"	"G"	"T"	"T"	"A"	"T"	"C"	"A"	"G"	"T"	"T"	"G"	"G"
[5,]	"G"	"G"	"T"	"T"	"A"	"T"	"C"	"A"	"G"	"T"	"T"	"G"	"G"
[6,]		"G"	"T"	"T"	"A"	"T"	"C"	"A"	"G"	"T"	"T"	"G"	"G"
	[,2854]	[,2855]	[,2856]	[,2857]	[,2858]	[,2859]	[,2860]	[,2861]	[,2862]	[,2863]	[,2864]	[,2865]	[,2866]
[1,]	"A"	"C"	"A"	"G"	"T"	"A"	"A"	"G"	"A"	"T"	"T"	"T"	"T"
[2,]	"A"	"C"	"A"	"G"	"C"	"A"	"A"	"G"	"A"	"T"	"T"	"T"	"T"
[3,]	"A"	"C"	"A"	"G"	"T"	"A"	"A"	"G"	"A"	"T"	"T"	"T"	"T"
[4,]	"A"	"C"	"A"	"G"	"T"	"A"	"A"	"G"	"A"	"T"	"T"	"T"	"T"
					-					-	"T"		-
[5,]	"A"	"C"	"A"	"G"	"T"	"A"	"A"	"G"	"A"	"T"	-	"T"	"T"
[6,]		"C"	"A"	"G"	"T"	"A"	"A"	"G"	"A"	"T"	"T"	"T"	"T"
	[,2867]	[,2868]	[,2869]	[,2870]	[,2871]	[,2872]	[,2873]	[,2874]	[,2875]	[,2876]	[,2877]	[,2878]	[,2879]
[1,]	"A"	"T"	"C"	"C"	"C"	"T"	"T"	"T"	"C"	"T"	"C"	"T"	"T"
[2,]	"A"	"T"	"C"	"C"	"C"	"T"	"T"	"T"	"C"	"T"	"G"	"T"	"T"
[3,]	"A"	"T"	"C"	"C"	"C"	"T"	"T"	"T"	"C"	"T"	"C"	"T"	"T"
[4,]	"G"	"T"	"C"	"C"	"C"	"T"	"T"	"T"	"C"	"T"	"C"	"T"	"T"
[5,]	"G"	"T"	"C"	"C"	"C"	"T"	"T"	"T"	"C"	"T"	"C"	"T"	"T"
		"T"				"T"	"T"	"T"				"T"	"T"
[6,]	"A"	-	"C"	"C"	"C"	-	-	-	"C"	"T"	"C"	-	=
		[,2881]			[,2884]	[,2885]			[,2888]	[,2889]	[,2890]	[,2891]	
[1,]	"C"	"T"	"G"	"A"	"C"	"T"	"G"	"G"	"T"	"A"	"T"	"A"	"C"
[2,]	"C"	"T"	"G"	"A"	"C"	"T"	"G"	"G"	"T"	"A"	"T"	"A"	"C"
[3,]	"C"	"T"	"G"	"A"	"C"	"T"	"G"	"G"	"T"	"A"	"T"	"A"	"C"
[4,]	"C"	"T"	"G"	"A"	"C"	"C"	"G"	"G"	"T"	"A"	"T"	"A"	"C"
[5,]	"C"	"T"	"G"	"A"	"C"	"T"	"G"	"G"	"T"	"A"	"T"	"A"	"C"
	"C"	"T"	"G"	"A"	"C"	"T"	"G"	"G"	"T"	"A"	"T"	Α "A"	"C"
[6,]		-				-	-		-		-		
F		[,2894]		[,2896]	[,2897]	[,2898]	[,2899]	-, -	[,2901]	[,2902]	[,2903]	[,2904]	[,2905]
[1,]	"C"	"T"	"A"	"T"	"T"	"T"	"C"	"A"	"T"	"T"	"A"	"G"	"T"
[2,]	"C"	"T"	"A"	"T"	"T"	"T"	"C"	"A"	"T"	"T"	"A"	"G"	"T"
[3,]	"C"	"T"	"A"	"T"	"T"	"T"	"C"	"A"	"T"	"T"	"A"	"G"	"T"
[4,]	"C"	"T"	"A"	"T"	"T"	"T"	"C"	"A"	"T"	"T"	"A"	"G"	"T"
[5,]	"C"	"T"	"A"	"T"	"T"	"T"	"C"	"A"	"T"	"T"	"A"	"G"	"T"
[6,]	"C"	"T"	"A"	"T"	"T"	"T"	"C"	"A"	"T"	"T"	"A"	"G"	"T"
[O,]		-		-	-	-	-		-	•		-	•
F4 7			[,2908]	[,2909]	[,2910]	[,2911]			[,2914]	[,2915]	[,2916]	[,2917]	[,2918]
[1,]	"A"	"G"	"C"	"T"	"A"	"G"	"G"	"T"	"G"	"C"	"A"	"C"	"A"
[2,]	"A"	"G"	"C"	"T"	"A"	"G"	"G"	"T"	"G"	"C"	"A"	"C"	"A"
[3,]	"A"	"G"	"C"	"T"	"A"	"G"	"G"	"T"	"G"	"C"	"A"	"C"	"A"
[4,]	"A"	"G"	"C"	"T"	"A"	"G"	"G"	"T"	"G"	"C"	"A"	"C"	"G"
[5,]	"A"	"G"	"C"	"T"	"A"	"G"	"G"	"T"	"G"	"C"	"A"	"C"	"A"
[6,]	"A"	"G"	"C"	"T"	"A"	"G"	"G"	"T"	"G"	"C"	"A"	"C"	"A"
٢٠,٦		[,2920]	[,2921]	[,2922]	[,2923]	[,2924]	[,2925]	-	[,2927]	[,2928]	[,2929]	[,2930]	[,2931]
Г4 Л													
[1,]	"T"	"A"	"T"	"A"	"C"	"A"	"T"	"C"	"T"	"A"	"G"	"C"	"A"
[2,]	"T"	"A"	"T"	"A"	"C"	"A"	"T"	"C"	"T"	"A"	"G"	"C"	"A"
[3,]	"T"	"A"	"T"	"A"	"C"	"A"	"T"	"C"	"T"	"A"	"G"	"C"	"A"
[4,]	"T"	"A"	"T"	"A"	"C"	"A"	"T"	"C"	"T"	"A"	"G"	"C"	"A"
[5,]	"T"	"A"	"T"	"A"	"C"	"A"	"T"	"C"	"T"	"A"	"G"	"C"	"A"
[6,]	"T"	"A"	"T"	"A"	"C"	"A"	"T"	"C"	"T"	"A"	"G"	"C"	"A"
١~,١		[,2933]		[,2935]	[,2936]	[,2937]	[,2938]	-	[,2940]	[,2941]	[,2942]	[,2943]	[,2944]
Г1 7		"A"	"G"	"C"	"T"	"G"	"T"	"G"	"A"	"G"	"G"	"A"	"C"
[1,]							-						
[2,]	"C"	"A"	"G"	"C"	"T"	"G"	"T"	"G"	"A"	"G"	"G"	"A"	"C"
[3,]		"A"	"G"	"C"	"T"	"G"	"T"	"G"	"A"	"G"	"G"	"A"	"C"
[4,]		"A"	"G"	"C"	"T"	"G"	"T"	"G"	"A"	"G"	"G"	"A"	"G"
[5,]		"A"	"G"	"C"	"T"	"G"	"T"	"G"	"A"	"G"	"G"	"A"	"G"
[6,]		"A"	"G"	"C"	"T"	"G"	"T"	"G"	"A"	"G"	"G"	"A"	"C"
		[,2946]	[,2947]	[,2948]	[,2949]	[,2950]	[,2951]	[,2952]	[,2953]	[,2954]	[,2955]	[,2956]	[,2957]
[1,]		"G"	"A"	"C"	"A"	"G"	"A"	"A"	"G"	"G"	"C"	"A"	"A"
[2,]		"G"	"A"	"C"	"A"	"G"	"A"	"A"	"G"	"G"	"C"	"A"	"A"
- /-		"G"	"A"	"C"	"A"	"G"	"A"	"G"	"G"	"G"	"C"	Α "A"	"A"
[3,]	"A"									"-"			
[4,]	A	"G"	"A"	"C"	"A"	"G"	"A"	"A"	"G"		"C"	"A"	"A"
[5,]		"G"	"A"	"C"	"A"	"G"	"A"	"A"	"G"	"G"	"C"	"A"	"A"
[6,]		"G"	"A"	"C"	"A"	"G"	"A"	"A"	"G"	"G"	"C"	"A"	"A"
		[,2959]	[,2960]	[,2961]	[,2962]	[,2963]	[,2964]	[,2965]	[,2966]	[,2967]	[,2968]	[,2969]	[,2970]
[1,]		"G"	"T"	"T"	"T"	"C"	"C"	"A"	"T"	"Ġ"	"T"	"G"	"G"
[2,]		"G"	"T"	"T"	"T"	"C"	"C"	"A"	"T"	"G"	"T"	"G"	"G"
[3,]		"G"	"T"	"T"	"T"	"C"	"C"	"A"	"T"	"G"	"T"	"G"	"G"
		"G"	"T"	"T"	"T"	"C"	"C"	"A"	"T"	"G"	"T"	"G"	"G"
[4,]					-		-					-	
[5,]		"G"	"T"	"T"	"T"	"C"	"C"	"A"	"T"	"G"	"T"	"A"	"G"
[6,]		"G"	"T"	"T"	"T"	"C"	"C"	"A"	"T"	"G"	"T"	"G"	"G"
	[,2971]	[,2972]	[,2973]	[,2974]	[,2975]	[,2976]	[,2977]	[,2978]	[,2979]	[,2980]	[,2981]	[,2982]	[,2983]
[1,]		"Ć"	"T"	"T"	"Ğ"	"A"	"G"	"Ć"	"A"	"Á"	"Ğ"	"T"	"Ć"
- /-		"C"	"T"	"T"	"G"	"A"	"G"	"T"	"A"	"A"	"G"	"T"	"C"
12.1		"C"	"T"	"T"	"G"	"A"	"G"	"C"	"A"	"A"	"G"	"T"	"C"
[2,]	"C"	_		-		"A"	"G"	"T"	"A"	"A"	"G"	"T"	"C"
[3,]		"("	"T"	"T"			11		А	A	u	I	
[3,] [4,]	"C"	"C"	"T"	"T"	"G"			UTU	II A II	11 A 11	11.611	11 T 11	11.611
[3,] [4,] [5,]	"C" "C"	"C"	"T"	"T"	"G"	"A"	"G"	"T"	"A"	"A"	"G"	"T"	"C"
[3,] [4,]	"C" "C" "C"	"C" "C"	"T" "T"	"T" "T"	"G" "G"	"A" "A"	"G" "G"	"C"	"A"	"A"	"G"	"T"	"C"
[3,] [4,] [5,]	"C" "C" "C"	"C" "C"	"T" "T"	"T" "T"	"G" "G"	"A" "A"	"G"	"C"	"A"	"A"	"G"	"T"	"C"

	"C"	"C"	"A"	"T"	"C"	"T"	"C"	"A"	"C"	"C"	"T"	"C"	"T"
[1,] [2,]	"C"	"C"	"A"	"T"	"C"	"T"	"C"	"A"	"C"	"C"	"T"	"C"	"T"
[3,]	"C"	"C"	"A"	"T"	"C"	"T"	"C"	"A"	"C"	"C"	"T"	"C"	"T"
				"T"		"T"				"C"	-		"T"
[4,]	"C"	"C"	"A"	-	"C"	-	"C"	"A"	"C"		"T"	"C"	•
[5,]		"C"	"A"	"T"	"C"	"T"	"C"	"A"	"C"	"C"	"T"	"C"	"T"
[6,]		"C"	"A"	"T"	"C"	"T"	"C"	"A"	"C"	"C"	"T"	"C"	"T"
	[,2997]	[,2998]	[,2999]	[,3000]	[,3001]	[,3002]	[,3003]	[,3004]	[,3005]	[,3006]	[,3007]	[,3008]	[,3009]
[1,]	"A"	"G"	"G"	"C"	"C"	"T"	"C"	"A"	"G"	"T"	"G"	"T"	"C"
[2,]	"A"	"G"	"G"	"C"	"C"	"T"	"C"	"A"	"G"	"T"	"G"	"T"	"C"
[3,]	"A"	"G"	"G"	"C"	"C"	"T"	"C"	"A"	"G"	"T"	"G"	"T"	"C"
[4,]	"A"	"G"	"G"	"C"	"C"	"T"	"C"	"A"	"G"	"T"	"G"	"T"	"C"
[5,]	"A"	"G"	"G"	"C"	"C"	"T"	"C"	"A"	"G"	"T"	"G"	"T"	"C"
[6,]	"A"	"G"	"G"	"C"	"C"	"T"	"C"	"A"	"G"	"T"	"G"	"T"	"C"
L-,J	[,3010]	[,3011]	[,3012]	[,3013]		[,3015]	[,3016]	[,3017]	[,3018]	Γ,30197	[,3020]	[,3021]	[,3022]
[1,]		"T"	"C"	"A"	"T"	"C"	"T"	"A"	"T"	"A"	"A"	"A"	"A"
[2,]		"T"	"C"	"A"	"T"	"C"	"T"	"A"	"T"	"A"	"A"	"A"	"A"
[3,]	"C"	"T"	"C"	"A"	"T"	"C"	"T"	"A"	"T"	"A"	"A"	"A"	"A"
[4,]	"C"	"T"	"C"	"A"	"T"	"C"	"T"	"A"	"T"	"A"	"A"	"A"	"A"
	"C"	"T"	"C"	"A"	"T"	"C"	"T"	"A"	"T"	"A"	"A"	"A"	"A"
[5,]		-				-	-		-				
[6,]		"T"	"C"	"A"	"T"	"C"	"T"	"A"	"T"	"A"	"A"	"A"	"A"
F4 7	[,3023]	[,3024]	[,3025]	[,3026]	[,3027]	[,3028]	[,3029]	[,3030]	[,3031]	[,3032]	[,3033]	[,3034]	[,3035]
[1,]	"T"	"G"	"A"	"G"	"G"	"G"	"A"	"C"	"T"	"T"	"C"	"C"	"C"
[2,]	"T"	"G"	"A"	"G"	"G"	"G"	"A"	"C"	"T"	"T"	"C"	"C"	"C"
[3,]	"T"	"G"	"A"	"G"	"G"	"G"	"A"	"C"	"T"	"T"	"C"	"C"	"C"
[4,]	"T"	"G"	"A"	"G"	"G"	"G"	"A"	"C"	"T"	"T"	"C"	"C"	"C"
[5,]	"T"	"G"	"A"	"G"	"G"	"G"	"A"	"C"	"T"	"T"	"C"	"C"	"C"
[6,]	"T"	"G"	"A"	"G"	"G"	"G"	"A"	"C"	"T"	"T"	"C"	"C"	"C"
	[,3036]	[,3037]	[,3038]	[,3039]	[,3040]	[,3041]	[,3042]	[,3043]	[,3044]	[,3045]	[,3046]	[,3047]	[,3048]
[1,]	"T"	"A"	"G"	"A"	"A"	"G"	"Ť"	"Ć"	"T"	"Ť"	"Ć"	"A"	"T"
[2,]	"T"	"A"	"G"	"A"	"A"	"G"	"T"	"C"	"T"	"T"	"C"	"A"	"T"
[3,]	"T"	"A"	"G"	"A"	"A"	"G"	"T"	"C"	"T"	"T"	"C"	"A"	"T"
[4,]	"T"	"A"	"G"	"A"	"T"	"G"	"T"	"C"	"T"	"T"	"C"	"G"	"T"
[5,]	"T"	"A"	"G"	"A"	"T"	"G"	"T"	"C"	"T"	"T"	"C"	"A"	"T"
[6,]	"T"	"A"	"G"	"A"	"A"	"G"	"T"	"C"	"T"	"T"	"C"	"A"	"T"
[°,]	[,3049]	[,3050]	[,3051]	[,3052]	[,3053]	[,3054]	[,3055]	[,3056]	[,3057]	[,3058]	[,3059]	[,3060]	[,3061]
[1,]		"G"	"T"	"C"	"T"	"C"	"T"	"T"	"C"	"C"	"A"	"G"	"C"
- /-		"G"	"T"	"C"	"T"	"C"	"T"	"T"	"C"	"C"		"G"	"C"
[2,]			-				-	-			"A"		
[3,]	"G"	"G"	"T"	"C"	"T"	"C"	"T"	"T"	"C"	"C"	"A"	"G"	"C"
[4,]	"G"	"G"	"T"	"C"	"T"	"C"	"T"	"T"	"C"	"C"	"A"	"G"	"C"
[5,]	"G"	"G"	"T"	"C"	"T"	"C"	"T"	"T"	"C"	"C"	"A"	"G"	"C"
[6,]		"G"	"T"	"C"	"T"	"C"	"T"	"T"	"C"	"C"	"A"	"G"	"C"
	[,3062]	[,3063]	[,3064]	[,3065]	[,3066]	[,3067]	[,3068]	[,3069]	[,3070]	[,3071]	[,3072]	[,3073]	[,3074]
[1,]	"C"	"C"	"Å"	"G"	"A"	"C"	"A"	"T"	"C"	"C"	"T"	"G"	"T"
[2,]					"A" "A"	"C" "C"	"A" "A"	"T"	"C" "C"	"C"	"T"	"G" "G"	"T" "T"
- /-		"C"	"A"	"G"									
[2,]	"C" "C"	"C" "C"	"A" "A"	"G" "G"	"A"	"C"	"A"	"T"	"C"	"C"	"T"	"G"	"T"
[2,] [3,] [4,]	"C" "C"	"C" "C" "C"	"A" "A" "A"	"G" "G" "G"	"A" "A"	"C" "C"	"A" "A"	"T" "T"	"C" "C"	"C" "C"	"T" "T"	"G" "G"	"T" "T"
[2,] [3,] [4,] [5,]	"C" "C" "C"	"C" "C" "C" "C"	"A" "A" "A" "A"	"G" "G" "G" "G" "G"	"A" "A" "A"	"C" "C" "C"	"A" "A" "A"	"T" "T" "T"	"C" "C" "C"	"C" "C" "C"	"T" "T" "T"	"G" "G" "G" "G"	"T" "T" "T"
[2,] [3,] [4,]	"C" "C" "C" "C"	"C" "C" "C" "C" "C"	"A" "A" "A" "A" "A"	"G" "G" "G" "G" "G"	"A" "A" "A" "A"	"C" "C" "C" "C"	"A" "A" "A" "A"	"T" "T" "T" "T"	"C" "C" "C" "C"	"C" "C" "C" "C"	"T" "T" "T" "T"	"G" "G" "G" "G"	"T" "T" "T" "T"
[2,] [3,] [4,] [5,] [6,]	"C" "C" "C" "C" "C" [,3075]	"C" "C" "C" "C" "C" [,3076]	"A" "A" "A" "A" "A" "A" [,3077]	"G" "G" "G" "G" "G" "G" [,3078]	"A" "A" "A" "A" [,3079]	"C" "C" "C" "C" [,3080]	"A" "A" "A" "A" [,3081]	"T" "T" "T" "T" [,3082]	"C" "C" "C" "C" [,3083]	"C" "C" "C" "C" [,3084]	"T" "T" "T" "T" [,3085]	"G" "G" "G" "G" [,3086]	"T" "T" "T" "T" [,3087]
[2,] [3,] [4,] [5,] [6,]	"C" "C" "C" "C" [,3075]	"C" "C" "C" "C" "C" "C" "A"	"A" "A" "A" "A" "A" "A" "T"	"G" "G" "G" "G" "G" [,3078]	"A" "A" "A" "A" [,3079]	"C" "C" "C" "C" [,3080]	"A" "A" "A" "A" [,3081] "A"	"T" "T" "T" "T" "T" "T" [,3082]	"C" "C" "C" "C" "G" "G" [,3083]	"C" "C" "C" "C" [,3084]	"T" "T" "T" "T" [,3085] "A"	"G" "G" "G" "G" [,3086]	"T" "T" "T" "T" [,3087] "G"
[2,] [3,] [4,] [5,] [6,] [1,] [2,]	"C" "C" "C" "C" "G" "G" "G"	"C" "C" "C" "C" "C" [,3076] "A" "A"	"A" "A" "A" "A" "A" "A" "T" "T"	"G" "G" "G" "G" "G" [,3078] "G"	"A" "A" "A" "A" [,3079] "T" "T"	"C" "C" "C" "C" [,3080] "C" "C"	"A" "A" "A" "A" [,3081] "A" "A"	"T" "T" "T" "T" [,3082] "T" "T"	"C" "C" "C" "C" [,3083] "G" "G"	"C" "C" "C" "C" [,3084] "A" "A"	"T" "T" "T" "T" "T" "A" "A"	"G" "G" "G" "G" [,3086] "A" "A"	"T" "T" "T" "T" [,3087] "G"
[2,] [3,] [4,] [5,] [6,] [1,] [2,] [3,]	"C" "C" "C" "C" "G" "G" "G" "G"	"C" "C" "C" "C" "C" "C" "A" "A" "A"	"A" "A" "A" "A" "A" "A" [,3077] "T" "T"	"G" "G" "G" "G" "G" [,3078] "G" "G"	"A" "A" "A" "A" [,3079] "T" "T"	"C" "C" "C" [,3080] "C" "C"	"A" "A" "A" [,3081] "A" "A"	"T" "T" "T" "T" [,3082] "T" "T"	"C" "C" "C" "C" [,3083] "G" "G"	"C" "C" "C" "C" [,3084] "A" "A"	"T" "T" "T" "T" [,3085] "A" "A" "A"	"G" "G" "G" "G" [,3086] "A" "A" "A"	"T" "T" "T" "T" [,3087] "G" "G"
[2,] [3,] [4,] [5,] [6,] [1,] [2,] [3,] [4,]	"C" "C" "C" "C" [,3075] "G" "G" "G" "G"	"C" "C" "C" "C" "C" [,3076] "A" "A" "A"	"A" "A" "A" "A" "A" "A" "T" "T" "T" "T"	"G"	"A" "A" "A" "A" [,3079] "T" "T" "T"	"C" "C" "C" [,3080] "C" "C" "C"	"A" "A" "A" [,3081] "A" "A" "A"	"T" "T" "T" [,3082] "T" "T" "T"	"C" "C" "C" "C" [,3083] "G" "G" "G"	"C" "C" "C" "C" [,3084] "A" "A" "A"	"T" "T" "T" "T" [,3085] "A" "A" "A" "A"	"G" "G" "G" "G" [,3086] "A" "A" "A" "A"	"T" "T" "T" "T" [,3087] "G" "G" "G"
[2,] [3,] [4,] [5,] [6,] [1,] [2,] [3,] [4,] [5,]	"C" "C" "C" "C" [,3075] "G" "G" "G" "G" "G"	"C" "C" "C" "C" "C" [,3076] "A" "A" "A" "A"	"A" "A" "A" "A" "A" "TA" "T" "T" "T" "T"	"G" "G" "G" "G" "G" [,3078] "G" "G" "G" "G" "G"	"A" "A" "A" "A" [,3079] "T" "T" "T" "T"	"C" "C" "C" [,3080] "C" "C" "C" "C" "C"	"A" "A" "A" "A" [,3081] "A" "A" "A" "A" "A"	"T" "T" "T" "T" [,3082] "T" "T" "T" "T" "T"	"C" "C" "C" "C" [,3083] "G" "G" "G" "G"	"C" "C" "C" "C" "A" "A" "A" "A" "A"	"T" "T" "T" "T" "T" [,3085] "A" "A" "A" "A" "A"	"G" "G" "G" "G" [,3086] "A" "A" "A" "A"	"T" "T" "T" "T" [,3087] "G" "G" "G" "G"
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[2,] [3,] [4,] [5,] [6,] [1,] [2,] [3,] [4,] [5,]	"C" "C" "C" "C" "G" "G" "G" "G" "G" "G"	"C" "C" "C" "C" [,3076] "A" "A" "A" "A" "A" "A" "A" "A"	"A" "A" "A" "A" "A" "A" "T" "T" "T" "T"	"G" "G" "G" "G" [,3078] "G" "G" "G" "G" "G" "G" "G" "G"	"A" "A" "A" "A" "A" "T" "T" "T" "T" "T"	"C" "C" "G" [,3080] "C" "C" "C" "C" "C" "C" "C" "C"	"A" "A" "A" "A" [,3081] "A" "A" "A" "A" "A" "A" [,3094]	"T" "T" "T" [,3082] "T" "T" "T" "T" "T" "T" "T" "T"	"C" "C" "C" [,3083] "G" "G" "G" "G" "G" "G" "G"	"C" "C" "C" "G" "A" "A" "A" "A" "A" "A" "A" "A" "A	"T" "T" "T" "T,3085] "A" "A" "A" "A" "A" "A" "A" "A"	"G" "G" "G" "G" ",3086] "A" "A" "A" "A" "A" "A" "A"	"T" "T" "T" [,3087] "G" "G" "G" "G" "G" "G"
[2,] [3,] [4,] [5,] [6,] [1,] [2,] [3,] [4,] [5,] [6,]	"C" "C" "C" "C" [,3075] "G" "G" "G" "G" "G" "G" "G" "G"	"C" "C" "C" "C" "C" "A" "A" "A" "A" "A"	"A" "A" "A" "A" "A" [,3077] "T" "T" "T" "T" "T" "T" "T" "T" "T" "T	"G"	"A" "A" "A" "A" [,3079] "T" "T" "T" "T" "T" "T" "T" "T" "T" "T	"C" "C" "C" [,3080] "C" "C" "C" "C" "C" "C" "C" "C" "C"	"A"	"T" "T" "T" [,3082] "T" "T" "T" "T" "T" "T" "T" "T" "T" "T	"C" "C" "C" [,3083] "G" "G" "G" "G" "G" "G" "G" "G" "G"	"C" "C" "C" "A" "A" "A" "A" "A" "A" "A"	"T" "T" "T" [,3085] "A" "A" "A" "A" "A" "A" "A" "A" "A" "C,3098]	"G" "G" "G" [,3086] "A" "A" "A" "A" "A" "A" "A" "A" "T"	"T" "T" "T" [,3087] "G" "G" "G" "G" "G" "G" "G" "G" "G"
[2,] [3,] [4,] [5,] [6,] [1,] [2,] [3,] [4,] [5,] [6,]	"C" "C" "C" "G" "G" "G" "G" "G" "G" "G"	"C" "C" "C" "C" [,3076] "A" "A" "A" "A" "A" "A" [,3089] "A"	"A" "A" "A" "A" "A" [,3077] "T" "T" "T" "T" "T" "T" "T" "T" "T" "T	"G" "G" "G" "G" [,3078] "G" "G" "G" "G" "G" "G" "G" "G" "G" "G	"A" "A" "A" "A" [,3079] "T" "T" "T" "T" "T" "T" "T" "T" "T" "T	"C"	"A" "A" "A" [,3081] "A" "A" "A" "A" "A" "A" "A" "C" "C"	"T" "T" "T" [,3082] "T" "T" "T" "T" "T" "T" "T" "T" "T" "T	"C" "C" "C" [,3083] "G" "G" "G" "G" "G" "G" "G" "C" "C" "C"	"C" "C" "C" [,3084] "A" "A" "A" "A" "A" "A" "A" "T" "T"	"T" "T" "T" [,3085] "A" "A" "A" "A" "A" "A" "A" "C" "C"	"G" "G" "G" [,3086] "A" "A" "A" "A" "A" "A" "A" "T"	"T" "T" "T" [,3087] "G" "G" "G" "G" "G" "G" "G" "G" "G"
[2,] [3,] [4,] [5,] [6,] [1,] [2,] [3,] [4,] [5,] [6,]	"C" "C" "C" [,3075] "G" "G" "G" "G" "G" "G" "C" "C" "C"	"C" "C" "C" "C" [,3076] "A" "A" "A" "A" "A" "A" "A" "A" "A" "A	"A" "A" "A" "A" [,3077] "T" "T" "T" "T" "T" "T" "T" "T" "T" "T	"G"	"A" "A" "A" "A" [,3079] "T" "T" "T" "T" "T" "T" "T" "T" "T" "T	"C"	"A" "A" "A" [,3081] "A" "A" "A" "A" "A" "A" "A" "C" "C"	"T" "T" "T" [,3082] "T" "T" "T" "T" "T" "T" "T" "T" "T" "C" "C	"C" "C" "C" [,3083] "G" "G" "G" "G" "G" "G" "G" "C" "C" "C"	"C" "C" "C" [,3084] "A" "A" "A" "A" "A" "A" "A" "T" "T"	"T" "T" "T" [,3085] "A" "A" "A" "A" "A" "A" "A" "C" "C"	"G" "G" "G" [,3086] "A" "A" "A" "A" "A" "A" "A" "T" "T"	"T" "T" "T" "T" [,3087] "G" "G" "G" "G" "G" "G" "G" "G" "G" "G
[2,] [3,] [4,] [5,] [6,] [1,] [2,] [4,] [5,] [6,] [1,] [2,] [3,] [4,]	"C" "C" "C" "G" "G" "G" "G" "G" "G" "C" "C	"C" "C" "C" "C" "A" "A" "A" "A" "A" "A"	"A" "A" "A" "A" "A" "T" "T" "T" "T" "T"	"G"	"A" "A" "A" "A" [,3079] "T" "T" "T" "T" "T" "T" "T" "T" "T" "T	"C" "C" "C" "C" "C" "C" "C" "C" "C" "G" "G	"A" "A" "A" [,3081] "A" "A" "A" "A" "A" "A" "C" "C" "C"	"T"	"C" "C" "C" "G" "G" "G" "G" "G" "G" "C" "C	"C" "C" "C" [,3084] "A" "A" "A" "A" "A" "A" "T" "T" "T"	"T" "T" "T" [,3085] "A" "A" "A" "A" "A" "A" "C" "C" "C"	"G" "G" "G" [,3086] "A" "A" "A" "A" "A" "A" "T" "T" "T"	"T" "T" "T" "G" "G" "G" "G" "G" "G" "G"
[2,] [3,] [4,] [5,] [6,] [1,] [2,] [3,] [4,] [5,] [1,] [2,] [3,] [4,] [2,]	"C" "C" "C" [,3075] "G" "G" "G" "G" "C" "C" "C" "C" "C"	"C" "C" "C" "C" "C" "A" "A" "A" "A" "A"	"A" "A" "A" "A" "A" "T" "T" "T" "T" "T"	"G"	"A" "A" "A" [,3079] "T" "T" "T" "T" "T" "T" "T" "T" "T" "T	"C" "C" [,3080] "C" "C" "C" "C" "C" "C" "C" "G" "G" "G"	"A" "A" "A" [,3081] "A" "A" "A" "A" "A" "C" "C" "C" "C"	"T" "T" [,3082] "T" "T" "T" "T" "T" "T" "C" "C" "C" "C"	"C" "C" "C" [,3083] "G" "G" "G" "G" "G" "C" "C" "C" "C" "C"	"C" "C" "C" [,3084] "A" "A" "A" "A" "A" "T" "T" "T"	"T" "T" "T" [,3085] "A" "A" "A" "A" "A" "C" "C" "C" "C"	"G" "G" "G" "G" [,3086] "A" "A" "A" "A" "A" "T" "T" "T"	"T" "T" "T" [,3087] "G" "G" "G" "G" "G" "G" "G" "G" "G" "G
[2,] [3,] [4,] [5,] [6,] [1,] [2,] [4,] [5,] [6,] [1,] [2,] [3,] [4,]	"C" "C" "C" [,3075] "G" "G" "G" "G" "C" "C" "C" "C" "C"	"C" "C" "C" "C" "A" "A" "A" "A" "A" "A"	"A" "A" "A" "A" "A" "T" "T" "T" "T" "T"	"G"	"A" "A" "A" "A" [,3079] "T" "T" "T" "T" "T" "T" "T" "T" "T" "T	"C" "C" "C" "C" "C" "C" "C" "C" "C" "G" "G	"A" "A" "A" [,3081] "A" "A" "A" "A" "A" "A" "C" "C" "C"	"T"	"C" "C" "C" "G" "G" "G" "G" "G" "G" "C" "C	"C" "C" "C" [,3084] "A" "A" "A" "A" "A" "A" "T" "T" "T"	"T" "T" "T" [,3085] "A" "A" "A" "A" "A" "A" "C" "C" "C"	"G" "G" "G" [,3086] "A" "A" "A" "A" "A" "A" "T" "T" "T"	"T" "T" "T" "G" "G" "G" "G" "G" "G" "G"
[2,] [3,] [4,] [5,] [6,] [1,] [2,] [3,] [4,] [5,] [1,] [2,] [3,] [4,] [2,]	"C" "C" "C" [,3075] "G" "G" "G" "G" "C" "C" "C" "C" "C"	"C" "C" "C" "C" "C" "A" "A" "A" "A" "A"	"A" "A" "A" "A" "A" "T" "T" "T" "T" "T"	"G"	"A" "A" "A" "A" [,3079] "T" "T" "T" "T" "T" "T" "T" "T" "T" "T	"C" "C" [,3080] "C" "C" "C" "C" "C" "C" "C" "G" "G" "G"	"A" "A" "A" [,3081] "A" "A" "A" "A" "A" "C" "C" "C" "C" "C"	"T" "T" "T" [,3082] "T" "T" "T" "T" "T" "T" "C" "C" "C" "C"	"C" "C" "C" [,3083] "G" "G" "G" "G" "G" "C" "C" "C" "C" "C"	"C" "C" "C" [,3084] "A" "A" "A" "A" "A" "T" "T" "T"	"T" "T" "T" [,3085] "A" "A" "A" "A" "A" "C" "C" "C" "C"	"G" "G" "G" "G" [,3086] "A" "A" "A" "A" "A" "T" "T" "T"	"T" "T" "T" [,3087] "G" "G" "G" "G" "G" "G" "G" "G" "G" "G
[2,] [3,] [4,] [5,] [6,] [2,] [3,] [4,] [5,] [6,] [1,] [2,] [3,] [4,] [5,]	"C" "C" "C" [,3075] "G" "G" "G" "G" "C" "C" "C" "C" "C" "C"	"C" "C" "C" "C" "A" "A" "A" "A" "A" "A"	"A" "A" "A" "A" "A" "T" "T" "T" "T" "T"	"G" "G" "G" "G" "G" "G" "G" "G" "G" "C" "C	"A" "A" "A" "A" [,3079] "T" "T" "T" "T" "T" "T" "T" "T" "T" "T	"C" "C" [,3080] "C" "C" "C" "C" "C" "C" "C" "G" "G" "G"	"A" "A" "A" [,3081] "A" "A" "A" "A" "A" "C" "C" "C" "C" "C"	"T" "T" "T" [,3082] "T" "T" "T" "T" "T" "T" "C" "C" "C" "C"	"C" "C" "C" [,3083] "G" "G" "G" "G" "G" "C" "C" "C" "C" "C"	"C" "C" "C" "A" "A" "A" "A" "A" "A" "T" "T" "T" "T	"T" "T" "T" "A" "A" "A" "A" "A" "C" "C" "C" "C" "C	"G" "G" "G" "G" [,3086] "A" "A" "A" "A" "A" "T" "T" "T" "T"	"T" "T" "T" [,3087] "G" "G" "G" "G" "G" "G" "G" "G" "G" "G
[2,] [3,] [4,] [5,] [6,] [1,] [2,] [3,] [4,] [5,] [6,] [1,] [2,] [4,] [5,] [6,]	"C" "C" "G" "G" "G" "G" "G" "C" "C" "C"	"C" "C" "C" "C" "C" "A" "A" "A" "A" "A"	"A" "A" "A" "A" "A" "T" "T" "T" "T" "T"	"G" "G" "G" "G" "G" "G" "G" "G" "G" "C" "C	"A" "A" "A" [,3079] "T" "T" "T" "T" "T" "T" "T" "T" "T" "T	"C" "C" [,3080] "C" "C" "C" "C" "C" "C" "C" "G" "G" "G"	"A" "A" "A" "A" "A" "A" "A" "A" "A" "C" "C	"T" "T" [,3082] "T" "T" "T" "T" "T" "T" "C" "C" "C" "C"	"C" "C" [,3083] "G" "G" "G" "G" "G" "C" "C" "C" "C" "C"	"C" "C" "C" [,3084] "A" "A" "A" "A" "T" "T" "T" "T" "T" [,3110]	"T" "T" "T" [,3085] "A" "A" "A" "A" "A" [,3098] "C" "C" "C" "C" "C" "C" [,3111]	"G" "G" "G" "A" "A" "A" "A" "A" "T" "T" "T" "T" "T	"T" "T" "T" [,3087] "G" "G" "G" "G" "G" "G" "G" "G" "G" "G
[2,] [3,] [4,] [5,] [6,] [2,] [3,] [4,] [5,] [6,] [1,] [2,] [4,] [5,] [6,]	"C" "C" "G" "G" "G" "G" "G" "C" "C" "C"	"C" "C" "C" "C" "C" "A" "A" "A" "A" "A"	"A" "A" "A" "A" "A" [,3077] "T" "T" "T" "T" "C" "C" "C" "C" "G" "C" [,3103]	"G" "G" "G" "G" "G" "G" "G" "G" "G" "C" "C	"A" "A" "A" "A" [,3079] "T" "T" "T" "T" "T" "T" "T" "T" "T" "T	"C" "C" "C" "C" "C" "C" "C" "C" "C" "G" "G	"A" "A" "A" [,3081] "A" "A" "A" "A" "A" "A" "C" "C" "C" "C"	"T"	"C" "C" "G" "G" "G" "G" "G" "G" "C" "C"	"C" "C" "C" [,3084] "A" "A" "A" "A" "A" "T" "T" "T" "T" "T"	"T" "T" "T" [,3085] "A" "A" "A" "A" "A" "C" "C" "C" "C" "C"	"G" "G" "G" [,3086] "A" "A" "A" "A" "A" "T" "T" "T" "T" "T"	"T" "T" "T" [,3087] "G" "G" "G" "G" "G" "G" "G" "G" "G" "G
[2,] [3,] [4,] [5,] [6,] [2,] [3,] [4,] [5,] [6,] [1,] [2,] [6,] [1,] [2,] [6,]	"C" "C" "G" "G" "G" "G" "G" "C" "C" "C"	"C" "C" "C" "C" [,3076] "A" "A" "A" "A" "A" "A" "A" "A" "A" "A	"A" "A" "A" "A" "A" "T" "T" "T" "T" "C" "C" "C" "G" "C" "C" "C" "T" "T"	"G" "G" "G" "G" "G" "G" "G" "G" "G" "C" "C	"A" "A" "A" "A" "T" "T" "T" "T" "T" "T"	"C" "C" "C" "C" "C" "C" "C" "C" "C" "G" "G	"A" "A" "A" "A" "A" "A" "A" "A" "A" "C" "C	"T" "T" "T" "T" "T" "T" "T" "T" "T" "C" "C	"C" "C" "G" "G" "G" "G" "G" "G" "C" "C"	"C" "C" "C" [,3084] "A" "A" "A" "A" "A" "T" "T" "T" "T" "T"	"T" "T" "T" [,3085] "A" "A" "A" "A" "A" "C" "C" "C" "C" "C"	"G" "G" "G" [,3086] "A" "A" "A" "A" "A" "T" "T" "T" "T" "T"	"T" "T" "T" [,3087] "G" "G" "G" "G" "G" "G" "G" "G" "G" "G
[2,] [3,] [4,] [5,] [6,] [1,] [2,] [3,] [4,] [5,] [6,] [1,] [6,] [1,] [2,] [6,]	"C" "C" "G" "G" "G" "G" "G" "C" "C" "C"	"C" "C" "C" "C" "C" "A" "A" "A" "A" "A"	"A" "A" "A" "A" "A" "T" "T" "T" "T" "T"	"G" "G" "G" "G" "G" "G" "G" "G" "G" "C" "C	"A" "A" "A" [,3079] "T" "T" "T" "T" [,3092] "T" "T" "T" "T" "T" "C" "T" "C" "C" "C"	"C" "C" [,3080] "C" "C" "C" "C" "C" "C" "G" "G" "G" "G"	"A" "A" "A" [,3081] "A" "A" "A" "A" "A" "C" "C" "C" "C" "C"	"T" "T" [,3082] "T" "T" "T" "T" "T" "C" "C" "C" "C" "C"	"C" "C" "G" "G" "G" "G" "G" "C" "C" "C"	"C" "C" "C" [,3084] "A" "A" "A" "A" "A" "T" "T" "T" "T" "T"	"T" "T" "T" [,3085] "A" "A" "A" "A" "A" "C" "C" "C" "C" "C"	"G" "G" "G" "G" [,3086] "A" "A" "A" "A" "A" "T" "T" "T" "T" "T"	"T" "T" "T" [,3087] "G" "G" "G" "G" "G" "G" "G" "G" "G" "G
[2,] [3,] [4,] [5,] [6,] [2,] [3,] [4,] [5,] [4,] [5,] [1,] [2,] [3,] [4,] [5,] [4,] [5,]	"C" "C" [,3075] "G" "G" "G" "G" "C" "C" "C" "C" "C" "T" "T" "T"	"C" "C" "C" "C" "C" "A" "A" "A" "A" "A"	"A" "A" "A" "A" "A" "T" "T" "T" "T" "C" "C" "C" "C" "C" "T" "T	"G" "G" "G" "G" "G" "G" "G" "G" "C" "C"	"A" "A" "A" "A" "T" "T" "T" "T" "T" "T"	"C" "C" [,3080] "C" "C" "C" "C" "C" "G" "G" "G" "G" "G"	"A"	"T" "T" [,3082] "T" "T" "T" "T" "T" "T" "C" "C" "C" "C"	"C" "C" "G" "G" "G" "G" "C" "C" "C" "C"	"C" "C" "C" [,3084] "A" "A" "A" "A" "A" "T" "T" "T" "T" "T"	"T" "T" "T" [,3085] "A" "A" "A" "A" "A" "C" "C" "C" "C" "C"	"G" "G" "G" [,3086] "A" "A" "A" "A" "A" "T" "T" "T" "T" "T"	"T" "T" "T" [,3087] "G" "G" "G" "G" "G" "G" "G" "G" "G" "G
[2,] [3,] [4,] [5,] [6,] [1,] [2,] [3,] [4,] [5,] [6,] [1,] [6,] [1,] [2,] [6,]	"C" "C" "G" "G" "G" "G" "C" "C" "C" "C"	"C" "C" "C" "C" "C" "A" "A" "A" "A" "A"	"A" "A" "A" "A" "A" "T" "T" "T" "T" "C" "C" "C" "C" "C" "T" "T	"G" "G" "G" "G" "G" "G" "G" "G" "C" "C"	"A" "A" "A" "A" "T" "T" "T" "T" "T" "T"	"C" "C" [,3080] "C" "C" "C" "C" "C" "G" "G" "G" "G" "G"	"A" "A" "A" "A" "A" "A" "A" "A" "A" "C" "C	"T" "T" [,3082] "T" "T" "T" "T" "T" "C" "C" "C" "C" "C"	"C" "C" "G" "G" "G" "G" "C" "C" "C" "C"	"C" "C" "C" [,3084] "A" "A" "A" "A" "T" "T" "T" "T" "T" "T"	"T" "T" "T" [,3085] "A" "A" "A" "A" "A" "C" "C" "C" "C" "C"	"G" "G" "G" [,3086] "A" "A" "A" "A" "A" "T" "T" "T" "T" "T"	"T" "T" "T" [,3087] "G" "G" "G" "G" "G" "G" "G" "G" "G" "G
[2,] [3,] [4,] [5,] [6,] [2,] [3,] [4,] [5,] [6,] [1,] [2,] [3,] [4,] [5,] [6,]	"C" "C" "G" "G" "G" "G" "G" "C" "C" "C"	"C" "C" "C" "C" "C" "A" "A" "A" "A" "A"	"A" "A" "A" "A" "A" "T" "T" "T" "T" "C" "C" "C" "C" "C" "T" "T	"G" "G" "G" "G" "G" "G" "G" "G" "C" "C"	"A" "A" "A" "A" "T" "T" "T" "T" "T" "T"	"C" "C" "C" "C" "C" "C" "C" "C" "G" "G"	"A"	"T" "T"  [,3082] "T" "T" "T" "T" "T" "T" "C" "C" "C" "C"	"C" "C" "G" "G" "G" "G" "C" "C" "C" "C"	"C" "C" "C" [,3084] "A" "A" "A" "A" "T" "T" "T" "T" "T" "T"	"T" "T" "A" "A" "A" "A" "A" "C" "C" "C" "C" "C	"G" "G" "G" "A" "A" "A" "A" "A" "T" "T" "T" "T" "T	"T" "T" "T" "T" [,3087] "G" "G" "G" "G" "G" [,3100] "G" "A" "A" "A" "A" "A" "A" "A" "A" "A"
[2,] [3,] [4,] [5,] [6,] [1,] [2,] [3,] [4,] [5,] [6,] [1,] [2,] [3,] [4,] [5,] [6,] [1,] [2,] [3,] [4,] [5,] [6,]	"C" "C" "G" "G" "G" "G" "G" "C" "C" "C"	"C" "C" "C" "C" "C" "A" "A" "A" "A" "A"	"A" "A" "A" "A" "A" "T" "T" "T" "T" "C" "C" "C" "C" "C" "T" "T	"G" "G" "G" "G" "G" "G" "G" "G" "G" "C" "C	"A" "A" "A" "A" "T" "T" "T" "T" "T" "T"	"C" "C" "C" "C" "C" "C" "C" "G" "G" "G"	"A"	"T" "T" "T" "T" "T" "T" "T" "T" "T" "C" "C	"C" "C" [,3083] "G" "G" "G" "G" "C" "C" "C" "C" "C" "C"	"C" "C" "C" [,3084] "A" "A" "A" "A" "A" "T" "T" "T" "T" "T"	"T" "T" "T" [,3085] "A" "A" "A" "A" "A" "A" "C" "C" "C" "C"	"G" "G" "G" [,3086] "A" "A" "A" "A" "A" "T" "T" "T" "T" [,3112] "A" "A" "A" "A" "A" "A" "A" "A" "A" "A	"T" "T" "T" "T" "G" "G" "G" "G" "G" "G"
[2,] [3,] [4,] [5,] [6,] [1,] [2,] [3,] [4,] [5,] [6,] [1,] [2,] [3,] [4,] [5,] [6,] [1,] [2,] [3,] [4,] [5,] [6,]	"C" "C" "G" "G" "G" "G" "G" "C" "C" "C"	"C" "C" "C" "C" "C" "A" "A" "A" "A" "A"	"A" "A" "A" "A" "A" "T" "T" "T" "T" "T"	"G" "G" "G" "G" "G" "G" "G" "G" "C" "C"	"A" "A" "A" "A" "T" "T" "T" "T" "T" "T"	"C" "C" "C" "C" "C" "C" "C" "G" "G" "G"	"A"	"T" "T" "T" "T" "T" "T" "T" "T" "T" "C" "C	"C" "C" "G" "G" "G" "G" "G" "C" "C" "C"	"C" "C" "C" "A" "A" "A" "A" "A" "T" "T" "T" "T" "A" "A	"T" "T" "T" [,3085] "A" "A" "A" "A" "A" "C" "C" "C" "C" "G" "G" "G" "G" "G" "G	"G" "G" "G" [,3086] "A" "A" "A" "A" "A" "T" "T" "T" "T" "A" "A	"T" "T" "T" "T" [,3087] "G" "G" "G" "G" "G" "G" "G" "G" "G" "A" "A
[2,] [3,] [4,] [5,] [6,] [1,] [2,] [3,] [4,] [5,] [6,] [1,] [2,] [3,] [4,] [5,] [6,]	"C" "C" "G" "G" "G" "G" "G" "C" "C" "C"	"C" "C" "C" "C" "C" "A" "A" "A" "A" "A"	"A" "A" "A" "A" "A" "T" "T" "T" "T" "T"	"G" "G" "G" "G" "G" "G" "G" "G" "C" "C"	"A" "A" "A" [,3079] "T" "T" "T" "T" "T" "T" "T" "C" "C" "C"	"C" "C" [,3080] "C" "C" "C" "C" "C" "G" "G" "G" "G" "C" "C	"A" "A" "A" "A" "A" "A" "A" "A" "A" "C" "C	"T" "T"  [,3082] "T" "T" "T" "T" "T" "C" "C" "C" "C" "C"	"C" "C" "G" "G" "G" "G" "C" "C" "C" "C"	"C" "C" "C" "C" [,3084] "A" "A" "A" "A" "A" "T" "T" "T" "T" "A" "A	"T" "T" "T" [,3085] "A" "A" "A" "A" "A" "C" "C" "C" "C" "G" "G" "G" "G" "G" "G	"G" "G" "G" "G" [,3086] "A" "A" "A" "A" "A" "T" "T" "T" "T" "A" "A	"T" "T" "T" [,3087] "G" "G" "G" "G" "G" "G" "G" "G" "A" "A"
[2,] [3,] [4,] [5,] [6,] [1,] [2,] [3,] [4,] [5,] [6,] [1,] [2,] [3,] [4,] [5,] [6,] [1,] [2,] [3,] [4,] [5,] [6,]	"C" "C" "G" "G" "G" "G" "G" "C" "C" "C"	"C" "C" "C" "C" "C" "A" "A" "A" "A" "A"	"A" "A" "A" "A" "A" "T" "T" "T" "T" "T"	"G" "G" "G" "G" "G" "G" "G" "C" "C" "C"	"A" "A" "A" "A" "T" "T" "T" "T" "T" "T"	"C" "C" [,3080] "C" "C" "C" "C" "C" "G" "G" "G" "G" "G"	"A" "A" "A" "A" "A" "A" "A" "A" "A" "C" "C	"T" "T" [,3082] "T" "T" "T" "T" "T" "C" "C" "C" "C" "C"	"C" "C" [,3083] "G" "G" "G" "G" "G" "C" "C" "C" "C" "C"	"C" "C" "C" [,3084] "A" "A" "A" "A" "A" "T" "T" "T" "T" "T"	"T" "T" "T" [,3085] "A" "A" "A" "A" "A" "C" "C" "C" "C" "G" "G" "G" "G" "G" "G	"G" "G" "G" [,3086] "A" "A" "A" "A" "A" "T" "T" "T" "T" "T"	"T" "T" "T" [,3087] "G" "G" "G" "G" "G" "G" "G" "G" "G" "A" "A
[2,] [3,] [4,] [5,] [6,] [1,] [2,] [3,] [4,] [5,] [6,] [1,] [2,] [3,] [4,] [5,] [6,] [1,] [2,] [3,] [4,] [5,] [6,]	"C" "C" "G" "G" "G" "G" "G" "C" "C" "C"	"C" "C" "C" "C" "C" "A" "A" "A" "A" "A"	"A" "A" "A" "A" "A" "T" "T" "T" "T" "C" "C" "C" "C" "T" "T	"G" "G" "G" "G" "G" "G" "G" "C" "C" "C"	"A" "A" "A" "A" "T" "T" "T" "T" "T" "T"	"C" "C" [,3080] "C" "C" "C" "C" "C" "G" "G" "G" "G" "C" "C	"A" "A" "A" "A" "A" "A" "A" "A" "A" "C" "C	"T" "T" [,3082] "T" "T" "T" "T" "T" [,3095] "C" "C" "C" "C" "C" "T" "T" "T" "T" "T"	"C" "C" "G" "G" "G" "G" "C" "C" "C" "C"	"C" "C" "C" [,3084] "A" "A" "A" "A" "T" "T" "T" "T" "T" "A" "A	"T" "T" "T" [,3085] "A" "A" "A" "A" "C" "C" "C" "C" "C" "G" "G" "G" "G" "G	"G" "G" "G" [,3086] "A" "A" "A" "A" "A" "T" "T" "T" "T" "T"	"T" "T" "T" [,3087] "G" "G" "G" "G" "G" "G" "G" "G" "A" "A"
[2,] [3,] [4,] [5,] [6,] [1,] [2,] [3,] [4,] [5,] [6,] [1,] [2,] [3,] [4,] [5,] [6,] [1,] [2,] [3,] [4,] [5,] [6,]	"C" "C" "G" "G" "G" "G" "G" "C" "C" "C"	"C" "C" "C" "C" "C" "A" "A" "A" "A" "A"	"A" "A" "A" "A" "A" "T" "T" "T" "T" "T"	"G" "G" "G" "G" "G" "G" "G" "C" "C" "C"	"A" "A" "A" "A" "T" "T" "T" "T" "T" "T"	"C" "C" [,3080] "C" "C" "C" "C" "C" "G" "G" "G" "G" "G"	"A" "A" "A" "A" "A" "A" "A" "A" "A" "C" "C	"T" "T" [,3082] "T" "T" "T" "T" "T" "C" "C" "C" "C" "C"	"C" "C" [,3083] "G" "G" "G" "G" "G" "C" "C" "C" "C" "C"	"C" "C" "C" [,3084] "A" "A" "A" "A" "A" "T" "T" "T" "T" "T"	"T" "T" "T" [,3085] "A" "A" "A" "A" "A" "C" "C" "C" "C" "G" "G" "G" "G" "G" "G	"G" "G" "G" [,3086] "A" "A" "A" "A" "A" "T" "T" "T" "T" "T"	"T" "T" "T" [,3087] "G" "G" "G" "G" "G" "G" "G" "G" "G" "A" "A

	Γ.31277	Γ. 31287	Г. 31297	Г. 31307	Г. 31317	Г. 31327	Г. 31337	Г. 31347	Г. 31357	Г. 31367	[,3137]	Г. 31387	Γ. 31
[1,]		"C"	"A"	"T"	"G"	"G"	"A"	"G"	"C"	"A"	"C"	"G"	"A"
[2,]	"C"	"C"	"A"	"T"	"G"	"G"	"A"	"G"	"C"	"A"	"C"	"G"	"A"
[3,]	"C"	"C"	"A"	"T"	"G"	"G"	"A"	"G"	"C"	"A"	"C"	"G"	"A"
[4,]	"C"	"C"	"A"	"T"	"G"	"G"	"A"	"G"	"C"	"A"	"C"	"G"	"A"
[5,]	"C"	"C"	"A"	"T"	"G"	"G"	"A"	"G"	"C"	"A"	"C"	"G"	"A"
[6,]	"C"	"C"	"A"	"T"	"G"	"G"	"A"	"G"	"C"	"A"	"C"	"G"	"A"
	[,3140]	[,3141]	[,3142]	[,3143]	[,3144]	[,3145]	[,3146]	[,3147]	[,3148]	[,3149]	[,3150]	[,3151]	[,31
[1,]	"G"	"G"	"C"	"C"	"T"	"T"	"C"	"A"	"G"	"A"	"A"	"A"	"A"
[2,]	"G"	"G"	"C"	"C"	"T"	"T"	"C"	"A"	"G"	"A"	"A"	"A"	"A"
[3,]	"G"	"G"	"C"	"C"	"T"	"T"	"C"	"A"	"G"	"A"	"A"	"A"	"A"
[4,]	"G"	"G"	"C"	"C"	"T"	"T"	"C"	"A"	"G"	"A"	"A"	"A"	"A"
[5,]	"T"	"G"	"C"	"C"	"T"	"T"	"C"	"A"	"G"	"A"	"A"	"A"	"A"
[6,]		"G"	"C"	"C"	"T"	"T"	"C"	"A"	"G"	"A"	"A"	"A"	"A"
- /-	[,3153]	[,3154]	[,3155]	[,3156]	[,3157]	[,3158]	[,3159]	[,3160]	[,3161]	[,3162]	[,3163]	[,3164]	[,3
[1,]	"G"	"A"	"C"	"A"	"C"	"T"	"T"	"Ć"	"A"	"A"	"T"	"G"	"Ğ"
[2,]	"G"	"A"	"C"	"A"	"C"	"T"	"T"	"C"	"A"	"A"	"T"	"G"	"G"
[3,]	"G"	"A"	"C"	"A"	"C"	"T"	"T"	"C"	"A"	"A"	"T"	"G"	"G"
[4,]	"G"	"A"	"C"	"A"	"C"	"T"	"G"	"T"	"A"	"A"	"T"	"G"	"G"
[5,]	"G"	"A"	"C"	"A"	"C"	"T"	"T"	"C"	"A"	"A"	"T"	"G"	"G"
[6,]		"A"	"C"	"A"	"C"	"T"	"T"	"C"	"A"	"A"	"T"	"G"	"G"
_ /_		[,3167]	[,3168]	[,3169]	[,3170]	[,3171]	[,3172]	[,3173]	[,3174]	[,3175]	[,3176]	[,3177]	[,3
[1,]	"G"	"A"	"G"	"T"	"G"	"A"	"A"	"C"	"A"	"T"	"T"	"T"	"C"
[2,]	"G"	"A"	"G"	"T"	"G"	"A"	"A"	"C"	"A"	"T"	"T"	"T"	"C"
[3,]	"G"	"A"	"G"	"T"	"G"	"A"	"A"	"C"	"A"	"T"	"T"	"T"	"C"
[4,]	"G"	"A"	"G"	"T"	"G"	"A"	"A"	"C"	"A"	"T"	"T"	"T"	"C"
[5,]	"G"	"A"	"G"	"†"	"G"	"A"	"A"	"C"	"A"	"†"	"T"	"T"	"C"
[6,]		"A"	"G"	"T"	"G"	"A"	"A"	"C"	"A"	"T"	"T"	"T"	"C"
L-,_	[,3179]		[,3181]	[,3182]	[,3183]	[,3184]	[,3185]	[,3186]		[,3188]	[,3189]	[,3190]	
[1,]	"T"	"A"	"A"	"C"	"T"	"A"	"A"	"G"	"G"	"A"	"C"	"A"	"G"
[2,]	"T"	"A"	"A"	"C"	"T"	"A"	"A"	"G"	"G"	"A"	"C"	"A"	"G"
[3,]	"T"	"A"	"A"	"C"	"T"	"A"	"A"	"G"	"G"	"A"	"C"	"A"	"G"
[4,]	"T"	"A"	"A"	"C"	"T"	"A"	"A"	"G"	"G"	"A"	"C"	"A"	"G"
[5,]	"T"	"A"	"A"	"C"	"T"	"A"	"A"	"G"	"G"	"A"	"C"	"A"	"G"
[6,]		"A"	"A"	"C"	"T"	"A"	"A"	"G"	"G"	"A"	"C"	"A"	"G"
[6,]					-								
F4 7	[,3192]		[,3194] "T"	[,3195]	[,3196]	[,3197]	[,3198]	[,3199]		[,3201]			
[1,]	"G"	"A"	"T"	"G"	"G"	"C"	"T"	"G"	"T"	"G"	"T"	"G" "G"	"T"
[2,]	"G"	"A"	-	"G"	"G"	"C"	"T"	"G"	"T"	"G"	"T"	-	-
[3,]	"G"	"A"	"T"	"G"	"G"	"C"	"T"	"G"	"T"	"G"	"T"	"G"	"T"
[4,]	"G"	"A"	"T"	"G"	"G"	"C"	"T"	"G"	"T"	"G"	"T"	"G"	"T"
[5,]	"G"	"A"	"T"	"G"	"G"	"C"	"T"	"G"	"T"	"G"	"T"	"G"	"T"
[6,]		"A"	"T"	"G"	"G"	"C"	"T"	"G"	"T"	"G"	"T"	"G"	"T"
	[,3205]		[,3207]	[,3208]	[,3209]			[,3212]		[,3214]			
[1,]	"G"	"G"	"T"	"G"	"G"	"T"	"C"	"A"	"C"	"C"	"A"	"G"	"G"
[2,]	"G"	"G"	"T"	"G"	"G"	"T"	"C"	"A"	"C"	"C"	"A"	"G"	"G"
[3,]	"G"	"G"	"T"	"G"	"G"	"T"	"C"	"A"	"C"	"C"	"A"	"G"	"G"
[4,]	"G"	"G"	"T"	"G"	"G"	"T"	"C"	"A"	"C"	"C"	"A"	"G"	"G"
[5,]	"G"	"G"	"T"	"G"	"G"	"T"	"C"	"A"	"C"	"C"	"A"	"G"	"G"
[6,]	"A"	"G"	"T"	"G"	"G"	"T"	"C"	"A"	"C"	"C"	"A"	"G"	"G"
	[,3218]		[,3220]	[,3221]	[,3222]	[,3223]	[,3224]	_, _	[,3226]	[,3227]	[,3228]	[,3229]	
[1,]	"T"	"C"	"C"	"T"	"G"	"T"	"G"	"A"	"G"	"C"	"A"	"A"	"A"
[2,]	"T"	"C"	"C"	"T"	"G"	"T"	"G"	"A"	"G"	"C"	"A"	"A"	"A"
[3,]	"T"	"C"	"C"	"T"	"G"	"T"	"G"	"A"	"G"	"C"	"A"	"A"	"A"
[4,]	"T"	"C"	"C"	"T"	"G"	"T"	"G"	"A"	"G"	"C"	"A"	"A"	"A"
[5,]	"T"	"C"	"C"	"T"	"G"	"T"	"G"	"A"	"G"	"C"	"A"	"A"	"A"
[6,]	"T"	"C"	"C"	"T"	"G"	"T"	"G"	"A"	"G"	"C"	"A"	"A"	"A"
	[,3231]	[,3232]	[,3233]	[,3234]	[,3235]	[,3236]	[,3237]	[,3238]	[,3239]	[,3240]	[,3241]	[,3242]	[,3
[1,]		"T"	"G"	"C"	"A"	"G"	"G"	"T"	"T"	"A"	"T"	"G"	"Ć"
[2,]	"G"	"T"	"G"	"C"	"A"	"G"	"G"	"T"	"T"	"A"	"T"	"G"	"C"
[3,]	"G"	"T"	"G"	"C"	"A"	"G"	"G"	"T"	"T"	"A"	"T"	"G"	"C"
[4,]	"G"	"T"	"G"	"C"	"A"	"G"	"G"	"T"	"T"	"A"	"T"	"G"	"C"
[5,]	"G"	"T"	"G"	"C"	"A"	"G"	"G"	"T"	"T"	"A"	"T"	"G"	"C"
[6,]	"G"	"T"	"G"	"C"	"A"	"G"	"G"	"T"	"T"	"A"	"T"	"G"	"C"
_ ,_	[,3244]	[,3245]	[,3246]	[,3247]	[,3248]			[,3251]	[,3252]	[,3253]		-	
[1,]		"A"	"G"	"T"	"C"	"G"	"C"	"C"	"A"	"G"	"G"	"C"	"A"
[2,]		"A"	"G"	"T"	"C"	"G"	"C"	"C"	"A"	"G"	"G"	"C"	"A"
[3,]		"A"	"G"	"T"	"C"	"G"	"C"	"C"	"A"	"G"	"G"	"C"	"A"
[4,]		"A"	"G"	"T"	"C"	"G"	"C"	"C"	"A"	"G"	"G"	"C"	"A"
[5,]	"A"	"A"	"G"	"T"	"C"	"G"	"C"	"C"	"A"	"G"	"G"	"C"	"A"
$_{\perp}$ , $_{\perp}$	"A"	"A"	"G"	"T"	"C"	"G"	"C"	"C"	"A"	"G"	"G"	"C"	"A"
Γ6 <sup>¬</sup>			-										
[6,]	[,3257]	[,3258] "G"	[,3259] "A"	[,3260] "G"	[,3261] "G"	[,3262] "C"	[,3263] "C"	[,3264] "A"	[,3265] "T"	[,3266] "T"	[,3267] "C"	[,3268] "C"	[,3
_ /_	"C"	u	А			"C"				-			
[1,]		""	11 A 11			. (	"C"	"A"	"T"	"T"	"C"	"C"	"A"
[1,] [2,]	"G"	"G"	"A"	"G"	"G"			II A II	птп	11 T 11	11.611	II C II	11 4 **
[1,] [2,] [3,]	"G" "G"	"G"	"A"	"G"	"G"	"C"	"C"	"A"	"T"	"T"	"C"	"C"	
[6,] [1,] [2,] [3,] [4,] [5,]	"G" "G" "G"							"A" "A" "A"	"T" "T" "T"	"T" "T" "T"	"C" "C" "C"	"C" "C" "C"	"A" "A" "A"

[6,]													
	"G" [,3270]	"G" F 22717	"A"	"G" г ээтэг	"G"	"C"	"C"	"A" 「 22777	"T"	"T"	"C" [,3280]	"C" [,3281]	"A"
F4 7			[,3272]	[,3273]		"G"		[,3277]		[,3279]			
_ ,_	"G"	"G"	"A"	"G"	"T"		"G"	"G"	"A"	"T"	"T"	"A"	"T"
[2,]	"G"	"G"	"A"	"G"	"T"	"G"	"G"	"G"	"A"	"T"	"T"	"A"	"T"
[3,]	"G"	"G"	"A"	"G"	"T"	"G"	"G"	"G"	"A"	"T"	"T"	"A"	"T"
[4,]	"T"	"G"	"A"	"G"	"T"	"G"	"G"	"G"	"A"	"T"	"T"	"A"	"T"
[5,]	"G"	"G"	"A"	"G"	"T"	"G"	"G"	"G"	"A"	"T"	"T"	"A"	"T"
[6,]	"G"	"G"	"A"	"G"	"T"	"G"	"G"	"G"	"A"	"T"	"T"	"A"	"T"
[0,]					•					-	-		
	[,3283]		[,3285]	[,3286]	[,3287]	[,3288]	[,3289]	[,3290]	[,3291]	[,3292]	[,3293]	[,3294]	[,32
[1,]	"T"	"C"	"A"	"T"	"C"	"A"	"A"	"A"	"C"	"T"	"C"	"T"	"T"
[2,]	"T"	"C"	"A"	"T"	"C"	"A"	"A"	"A"	"C"	"T"	"C"	"T"	"T"
[3,]	"T"	"C"	"A"	"T"	"C"	"A"	"A"	"A"	"C"	"T"	"C"	"T"	"T"
[4,]	"T"	"C"	"A"	"T"	"A"	"A"	"A"	"A"	"C"	"T"	"C"	"T"	"T"
	"T"	"C"	"A"	"T"	"A"	"A"	"A"	"A"	"C"	"T"	"C"	"T"	"T"
[5,]				-						-		-	-
[6,]	"T"	"C"	"A"	"T"	"C"	"A"	"A"	"A"	"C"	"T"	"C"	"T"	"T"
	[,3296]	[,3297]	[,3298]	[,3299]	[,3300]	[,3301]	[,3302]	[,3303]	[,3304]	[,3305]	[,3306]	[,3307]	[,33
[1,]	"T"	"G"	"C"	"C"	"C"	"A"	"G"	"T"	"T"	"C"	"A"	"T"	"C"
Γ2,7	"T"	"G"	"T"	"C"	"C"	"A"	"G"	"T"	"T"	"C"	"A"	"T"	"C"
[3,]	"T"	"G"	"C"	"C"	"C"	"A"	"G"	"T"	"T"	"C"	"A"	"T"	"C"
[4,]	"T"	"G"	"C"	"C"	"C"	"A"	"G"	"T"	"T"	"C"	"A"	"T"	"C"
	-		-	-	-			-	-	-		•	-
[5,]	"T"	"G"	"C"	"C"	"C"	"A"	"G"	"T"	"T"	"C"	"A"	"T"	"C"
[6,]	"T"	"G"	"C"	"C"	"C"	"A"	"G"	"T"	"T"	"C"	"A"	"T"	"C"
	[,3309]	[,3310]	[,3311]	[,3312]	[,3313]	[,3314]	[,3315]	[,3316]	[,3317]	[,3318]	[,3319]	[,3320]	[,3
[1,]	"Ć"	"C"	"A"	"A"	"T"	"Ğ"	"Ğ"	"Ğ"	"Ğ"	"Ğ"	"A"	"A"	"Ğ"
[2,]	"C"	"G"	"A"	"A"	"T"	"G"	"G"	"G"	"G"	"G"	"A"	"A"	"G"
	"C"	"C"	"A"	"A"	"T"	"G"	"G"	"G"	"G"	"G"	"A"	"A"	"G"
[3,]					•								
[4,]	"C"	"C"	"A"	"A"	"T"	"G"	"G"	"G"	"G"	"G"	"A"	"A"	"G"
[5,]	"C"	"C"	"A"	"A"	"T"	"G"	"G"	"G"	"G"	"G"	"A"	"A"	"G"
[6,]	"C"	"C"	"A"	"A"	"T"	"G"	"G"	"G"	"G"	"G"	"A"	"A"	"G"
	[,3322]	[,3323]	[,3324]	[,3325]	[,3326]	[,3327]	[,3328]	[,3329]	[,3330]	[,3331]	[,3332]	[,33333]	[,3
[1,]	"T"	"Á"	"T"	"T"	"Ć"	"C"	"Ć"	"T"	"T"	"Ć"	"T"	"T"	"T"
[2,]	"T"	"A"	"T"	"T"	"C"	"C"	"C"	"T"	"T"	"C"	"T"	"T"	"T"
	-		-	-	-			-	-	-	-	"T"	-
[3,]	"T"	"A"	"T"	"T"	"C"	"C"	"C"	"T"	"T"	"C"	"T"	•	"T"
[4,]	"T"	"A"	"C"	"T"	"C"	"C"	"C"	"T"	"T"	"C"	"T"	"T"	"T"
[5,]	"T"	"A"	"T"	"T"	"C"	"C"	"C"	"T"	"T"	"C"	"T"	"T"	"T"
[6,]	"T"	"A"	"T"	"T"	"C"	"C"	"C"	"T"	"T"	"C"	"T"	"T"	"T"
,_	[,3335]	[,3336]	[,3337]	[,3338]	[,3339]	[,3340]	[,3341]	Г 33427	[,3343]	[,3344]	[,3345]	[,3346]	[,3
[1,]	"C"	"C"	"T"	"A"	"C"	"T"	"C"	"T"	"G"	"G"	"G"	"A"	"A"
			•		"C"			"T"		"G"		"A"	
[2,]	"C"	"C"	"T"	"A"	-	"T"	"C"	-	"G"	-	"G"		"A"
[3,]	"C"	"C"	"T"	"A"	"C"	"T"	"C"	"T"	"G"	"G"	"G"	"A"	"A"
[4,]	"C"	"C"	"T"	"G"	"C"	"T"	"C"	"T"	"G"	"G"	"G"	"A"	"A"
[5,]	"C"	"C"	"T"	"A"	"C"	"T"	"C"	"T"	"G"	"G"	"G"	"A"	"A"
[6,]		"C"	"T"	"A"	"C"	"T"	"C"	"T"	"G"	"G"	"G"	"A"	"A"
L°,1	[,3348]		[,3350]	[,3351]	[,3352]	[,3353]	[,3354]	·=	[,3356]	[,3357]	[,3358]		
F4 7													
_ ,_	"G"	"A"	"A"	"T"	"G"	"T"	"C"	"T"	"C"	"C"	"T"	"G"	"C"
[2,]	"G"	"A"	"A"	"T"	"G"	"T"	"C"	"T"	"C"	"C"	"T"	"G"	"C"
[3,]	"G"	"A"	"A"	"T"	"G"	"T"	"T"	"T"	"C"	"C"	"T"	"G"	"C"
[4,]	"G"	"A"	"A"	"T"	"G"	"T"	"C"	"T"	"C"	"C"	"T"	"G"	"C"
[5,]	"G"	"A"	"A"	"T"	"G"	"T"	"C"	"T"	"C"	"C"	"T"	"G"	"C"
	"G"	"A"	"A"	"T"	"G"	"T"	"C"	"T"	"C"	"C"	"T"	"G"	"C"
[6,]				-		-	-	·=	-	-	•	-	
												[,3372]	
[1,]	"C"	"A"	"C"	"T"	"C"	"C"	"T"	"C"	"A"	"A"	"C"	"T"	"G"
[2,]	"C"	"A"	"C"	"T"	"C"	"C"	"T"	"C"	"A"	"A"	"C"	"T"	"G"
	"C"	"A"	"C"	"T"	"C"	"C"	"T"	"C"	"A"	"A"	"C"	"T"	"G"
[3,]	"C"					"C"	"T"	11.611		"A"	"C"	"T"	"G"
	(	"A"	"C"	"T"	"C"		1	"C"	"A"	A	-	-	•
[4,]		"A" "A"									"C"	"T"	"6"
[4,] [5,]	"C"	"A"	"C"	"T"	"C"	"C"	"T"	"C"	"A"	"A"	"C"	"T"	"G"
[4,]	"C" "C"	"A" "A"	"C" "C"	"T" "T"	"C" "C"	"C" "C"	"T" "T"	"C" "C"	"A" "A"	"A" "A"	"C"	"T"	"G"
[4,] [5,] [6,]	"C" "C" [,3374]	"A" "A" [,3375]	"C" "C" [,3376]	"T" "T" [,3377]	"C" "C" [,3378]	"C" "C" [,3379]	"T" "T" [,3380]	"C" "C" [,3381]	"A" "A" [,3382]	"A" "A" [,3383]	"C" [,3384]	"T" [,3385]	"G" [,3
[4,] [5,] [6,]	"C" "C"	"A" "A" [,3375] "T"	"C" "C"	"T" "T"	"C" "C" [,3378] "T"	"C" "C"	"T" "T"	"C" "C"	"A" "A" [,3382] "C"	"A" "A" [,3383] "T"	"C" [,3384] "T"	"T" [,3385] "C"	"G"
[4,] [5,] [6,]	"C" "C" [,3374]	"A" "A" [,3375]	"C" "C" [,3376]	"T" "T" [,3377]	"C" "C" [,3378]	"C" "C" [,3379]	"T" "T" [,3380]	"C" "C" [,3381]	"A" "A" [,3382]	"A" "A" [,3383]	"C" [,3384]	"T" [,3385]	"G" [,3 "G"
[4,] [5,] [6,] [1,] [2,]	"C" "C" [,3374] "A" "A"	"A" "A" [,3375] "T" "T"	"C" "C" [,3376] "G" "G"	"T" "T" [,3377] "A" "A"	"C" "C" [,3378] "T" "T"	"C" "C" [,3379] "A" "A"	"T" "T" [,3380] "G" "G"	"C" "C" [,3381] "A" "A"	"A" "A" [,3382] "C" "C"	"A" "A" [,3383] "T"	"C" [,3384] "T" "T"	"T" [,3385] "C" "C"	"G" [,3 "G" "A"
[4,] [5,] [6,] [1,] [2,] [3,]	"C" "C" [,3374] "A" "A"	"A" "A" [,3375] "T" "T" "T"	"C" "C" [,3376] "G" "G" "G"	"T" [,3377] "A" "A" "A"	"C" "C" [,3378] "T" "T" "T"	"C" "C" [,3379] "A" "A"	"T" "T" [,3380] "G" "G" "G"	"C" [,3381] "A" "A" "A"	"A" [,3382] "C" "C" "C"	"A" "A" [,3383] "T" "T" "T"	"C" [,3384] "T" "T" "T"	"T" [,3385] "C" "C" "C"	"G" [,3 "G" "A" "G"
[4,] [5,] [6,] [1,] [2,] [3,] [4,]	"C" "C" [,3374] "A" "A" "A"	"A" "A" [,3375] "T" "T" "T"	"C" "C" [,3376] "G" "G" "G" "G"	"T" "T" [,3377] "A" "A" "A" "A"	"C" "C" [,3378] "T" "T" "T" "T"	"C" [,3379] "A" "A" "A" "A"	"T" "T" [,3380] "G" "G" "G" "G"	"C" [,3381] "A" "A" "A" "A"	"A" "A" [,3382] "C" "C" "C" "C"	"A" [,3383] "T" "T" "T" "T"	"C" [,3384] "T" "T" "T"	"T" [,3385] "C" "C" "C" "C"	"G" [,3: "G" "A" "G" "G"
[4,] [5,] [6,] [1,] [2,] [3,] [4,] [5,]	"C" [,3374] "A" "A" "A" "A" "A"	"A" "A" [,3375] "T" "T" "T" "T"	"C" "C" [,3376] "G" "G" "G" "G" "G"	"T" ",3377] "A" "A" "A" "A" "A"	"C" "C" [,3378] "T" "T" "T" "T"	"C" "C" [,3379] "A" "A" "A" "A" "A"	"T" "T" [,3380] "G" "G" "G" "G" "G"	"C" "C" [,3381] "A" "A" "A" "A" "A"	"A" "A" [,3382] "C" "C" "C" "C" "C"	"A" [,3383] "T" "T" "T" "T"	"C" [,3384] "T" "T" "T" "T"	"T" [,3385] "C" "C" "C" "C" "C"	"G" [,3 "G" "A" "G" "G" "G"
[4,] [5,] [6,] [1,] [2,] [3,] [4,]	"C" "C" [,3374] "A" "A" "A" "A" "A" "A"	"A" "A" [,3375] "T" "T" "T" "T" "T"	"C" "C" [,3376] "G" "G" "G" "G" "G"	"T" "T" [,3377] "A" "A" "A" "A" "A" "A"	"C" "C" [,3378] "T" "T" "T" "T" "T"	"C" "C" [,3379] "A" "A" "A" "A" "A"	"T" "T" [,3380] "G" "G" "G" "G" "G"	"C" "C" [,3381] "A" "A" "A" "A" "A" "A"	"A" "A" [,3382] "C" "C" "C" "C" "C"	"A" "A" [,3383] "T" "T" "T" "T" "T"	"C" [,3384] "T" "T" "T" "T" "T" "T"	"T" [,3385] "C" "C" "C" "C" "C" "C"	"G" [,3 "G" "A" "G" "G" "G" "G"
[4,] [5,] [6,] [1,] [2,] [3,] [4,] [5,]	"C" "C" [,3374] "A" "A" "A" "A" "A" "A"	"A" "A" [,3375] "T" "T" "T" "T"	"C" "C" [,3376] "G" "G" "G" "G" "G"	"T" ",3377] "A" "A" "A" "A" "A"	"C" "C" [,3378] "T" "T" "T" "T"	"C" "C" [,3379] "A" "A" "A" "A" "A"	"T" "T" [,3380] "G" "G" "G" "G" "G"	"C" "C" [,3381] "A" "A" "A" "A" "A"	"A" "A" [,3382] "C" "C" "C" "C" "C"	"A" [,3383] "T" "T" "T" "T"	"C" [,3384] "T" "T" "T" "T" "T" "T"	"T" [,3385] "C" "C" "C" "C" "C"	"G" [,3 "G" "A" "G" "G" "G" "G"
[4,] [5,] [6,] [1,] [2,] [3,] [4,] [5,] [6,]	"C" "C" [,3374] "A" "A" "A" "A" "A" "A"	"A" "A" [,3375] "T" "T" "T" "T" "T"	"C" "C" [,3376] "G" "G" "G" "G" "G"	"T" "T" [,3377] "A" "A" "A" "A" "A" "A"	"C" "C" [,3378] "T" "T" "T" "T" "T"	"C" "C" [,3379] "A" "A" "A" "A" "A"	"T" "T" [,3380] "G" "G" "G" "G" "G"	"C" "C" [,3381] "A" "A" "A" "A" "A" "A"	"A" "A" [,3382] "C" "C" "C" "C" "C"	"A" "A" [,3383] "T" "T" "T" "T" "T"	"C" [,3384] "T" "T" "T" "T" "T" "T"	"T" [,3385] "C" "C" "C" "C" "C" "C"	"G" [,3] "G" "A" "G" "G" "G" "G"
[4,] [5,] [6,] [1,] [2,] [3,] [4,] [5,] [6,]	"C" [,3374] "A" "A" "A" "A" "A" "A" "A" "A" "A"	"A" [,3375] "T" "T" "T" "T" "T" "T" "T" "And the second se	"C" [,3376] "G" "G" "G" "G" "G" "G" "A"	"T" "A" "A" "A" "A" "A" "A" "A" "A" "A"	"C" [,3378] "T" "T" "T" "T" "T" "T" "T" "T" "C"	"C" [,3379] "A" "A" "A" "A" "A" "A" "A" "A" "A" "A	"T" ",3380] "G" "G" "G" "G" "G" "G" "G" "G" "G"	"C" [,3381] "A" "A" "A" "A" "A" "A" "A" "A" "A" "A	"A" [,3382] "C" "C" "C" "C" "C" "C" "T"	"A" [,3383] "T" "T" "T" "T" "T" "T" "T" "G" "G"	"C" [,3384] "T" "T" "T" "T" "T" "T" "A"	"T" [,3385] "C" "C" "C" "C" "C" "G" "G" "G" "G"	"G" [,3 "G" "G" "G" "G" "G" "G"
[4,] [5,] [6,] [1,] [2,] [3,] [4,] [5,] [6,] [1,]	"C" [,3374] "A" "A" "A" "A" "A" "A" "A" "A" "A" "A	"A" [,3375] "T" "T" "T" "T" "T" "T" "A" "A"	"C" "C" [,3376] "G" "G" "G" "G" "G" "G" "A" "A"	"T" "A" "A" "A" "A" "A" "A" "A" "A" "A"	"C" "C" [,3378] "T" "T" "T" "T" "T" "T" "C" "C"	"C" "C" [,3379] "A" "A" "A" "A" "A" "A" "A" "A" "A" "A	"T" ",3380] "G" "G" "G" "G" "G" "G" "G" "G" "G" "G	"C" [,3381] "A" "A" "A" "A" "A" "A" "A" "A" "A" "A	"A"  "A"  [,3382] "C" "C" "C" "C" "C" "T" "T"	"A" [,3383] "T" "T" "T" "T" "T" "T" "G" "G"	"C" [,3384] "T" "T" "T" "T" "T" [,3397] "A" "A"	"T" [,3385] "C" "C" "C" "C" "C" "G" "G" "G" "G" "G"	"G" [,3 "G" "G" "G" "G" "G" "G" "A"
[4,] [5,] [6,] [1,] [2,] [3,] [4,] [5,] [6,] [1,] [2,] [3,]	"C" "C" [,3374] "A" "A" "A" "A" "A" "A" "A" [,3387] "A" "A"	"A" [,3375] "T" "T" "T" "T" "T" "T" "A" "A" "A"	"C" "C" [,3376] "G" "G" "G" "G" "G" "G" "A" "A"	"T" "T" [,3377] "A" "A" "A" "A" "A" "A" "A" "A" "A" "A	"C" "C" [,3378] "T" "T" "T" "T" "T" "C" "C"	"C" [,3379] "A" "A" "A" "A" "A" "A" "A" "A" [,3392] "A" "A"	"T" [,3380] "G" "G" "G" "G" "G" "G" "G" "G" "G" "G	"C" [,3381] "A" "A" "A" "A" "A" "A" "A" "A" [,3394] "A" "A"	"A" [,3382] "C" "C" "C" "C" "C" "C" "T" "T" "T"	"A" [,3383] "T" "T" "T" "T" "T" "T" [,3396] "G" "G"	"C" [,3384] "T" "T" "T" "T" "T" [,3397] "A" "A"	"T" [,3385] "C" "C" "C" "C" "C" "G" "G" "G" "G" "G"	"G" [,3 "G" "A" "G" "G" "G" "G" "A" "A"
[4,] [5,] [6,] [1,] [2,] [3,] [4,] [5,] [6,] [1,] [2,] [3,] [4,]	"C" [,3374] "A" "A" "A" "A" "A" "A" "A" "A" "A" "A	"A" "A" [,3375] "T" "T" "T" "T" "T" "T" "A" "A" "A" "A"	"C" "G" "G" "G" "G" "G" "G" "A" "A" "A"	"T" "T" [,3377] "A" "A" "A" "A" "A" [,3390] "A" "A" "A" "A"	"C" "C" [,3378] "T" "T" "T" "T" "T" "C" "C" "C" "C"	"C" "A" "A" "A" "A" "A" "A" "A" "A" "A"	"T" "T" [,3380] "G" "G" "G" "G" "G" "G" "G" "G" "G" "G	"C" "A" "A" "A" "A" "A" "A" "A" "A" "A"	"A" "A" [,3382] "C" "C" "C" "C" "C" "C" "T" "T" "T" "A"	"A" "A" [,3383] "T" "T" "T" "T" "T" "T" "G" "G" "G" "G"	"C" [,3384] "T" "T" "T" "T" "T" "A" "A" "A"	"T" [,3385] "C" "C" "C" "C" "C" "C" "G" "G" "G" "G"	"G" [,3: "G" "G" "G" "G" "G" "A" "A" "A" "A"
[4,] [5,] [6,] [1,] [2,] [3,] [4,] [5,] [6,] [1,] [2,] [3,] [4,] [5,]	"C" [,3374] "A" "A" "A" "A" "A" "A" "A" "A" "A" "A	"A" [,3375] "T" "T" "T" "T" "T" "T" "A" "A" "A"	"C" "C" [,3376] "G" "G" "G" "G" "G" "G" "A" "A"	"T" "T" [,3377] "A" "A" "A" "A" "A" "A" "A" "A" "A" "A	"C" "C" [,3378] "T" "T" "T" "T" "T" "C" "C"	"C" [,3379] "A" "A" "A" "A" [,3392] "A" "A" "A"	"T" [,3380] "G" "G" "G" "G" "G" "G" "G" "G" "G" "G	"C" [,3381] "A" "A" "A" "A" "A" "A" "A" "A" [,3394] "A" "A"	"A" [,3382] "C" "C" "C" "C" "C" "C" "T" "T" "T"	"A" [,3383] "T" "T" "T" "T" "T" "T" [,3396] "G" "G"	"C" [,3384] "T" "T" "T" "T" "T" [,3397] "A" "A"	"T" [,3385] "C" "C" "C" "C" "C" "G" "G" "G" "G" "G"	"G" [,3 "G" "A" "G" "G" "G" "G" "A" "A"
[4,] [5,] [6,] [1,] [2,] [3,] [4,] [5,] [6,] [1,] [2,] [3,] [4,] [5,]	"C" [,3374] "A" "A" "A" "A" "A" "A" "A" "A" "A" "A	"A" "A" [,3375] "T" "T" "T" "T" "T" "T" "A" "A" "A" "A"	"C" "G" "G" "G" "G" "G" "G" "A" "A" "A"	"T" "T" [,3377] "A" "A" "A" "A" "A" "A" "A" "A" "A" "A	"C" "C" [,3378] "T" "T" "T" "T" "T" "C" "C" "C" "C"	"C" "A" "A" "A" "A" "A" "A" "A" "A" "A"	"T" "T" [,3380] "G" "G" "G" "G" "G" "G" "G" "G" "G" "G	"C" "A" "A" "A" "A" "A" "A" "A" "A" "A"	"A" "A" [,3382] "C" "C" "C" "C" "C" "C" "T" "T" "T" "A"	"A" "A" [,3383] "T" "T" "T" "T" "T" "T" "G" "G" "G" "G"	"C" [,3384] "T" "T" "T" "T" "T" "A" "A" "A"	"T" [,3385] "C" "C" "C" "C" "C" "C" "G" "G" "G" "G"	"G" [,3 "G" "G" "G" "G" "G" "A" "A" "A"
[4,] [5,] [6,] [1,] [2,] [3,] [4,] [5,] [6,] [1,] [2,] [3,] [4,]	"C" [,3374] "A" "A" "A" "A" "A" "A" "A" "A" "A" "A	"A" "A" [,3375] "T" "T" "T" "T" [,3388] "A" "A" "A" "A" "A" "A"	"C" [,3376] "G" "G" "G" "G" "G" "A" "A" "A" "A" "A"	"T" "T" [,3377] "A" "A" "A" "A" "A" "A" "A" "A" "A" "A	"C" [,3378] "T" "T" "T" "T" "T" "C" "C" "C" "C" "C"	"C" [,3379] "A" "A" "A" "A" "A" "A" "A" "A" "A" "A	"T" [,3380] "G" "G" "G" "G" "G" "G" "G" "G" "G" "G	"C" [,3381] "A" "A" "A" "A" "A" "A" "A" "A" "A" "A	"A" "A" [,3382] "C" "C" "C" "C" "T" "T" "T" "A" "A" "T"	"A" "A" [,3383] "T" "T" "T" "T" "T" [,3396] "G" "G" "G" "G" "G"	"C" [,3384] "T" "T" "T" "T" "T" "A" "A" "A" "A" "A"	"T" [,3385] "C" "C" "C" "C" "C" "C" "G" "G" "G" "G"	"G" "A" "G" "G" "G" "A" "A" "A" "A" "A"
[4,] [5,] [6,] [1,] [2,] [3,] [4,] [5,] [6,] [1,] [2,] [3,] [4,] [5,] [6,]	"C" [,3374] "A" "A" "A" "A" "A" "A" "A" "A" "A" "A	"A" [,3375] "T" "T" "T" "T" "T" [,3388] "A" "A" "A" "A" "A" "A" "A" "A" [,3401]	"C" [,3376] "G" "G" "G" "G" "G" "A" "A" "A" "A" "A"	"T" "T" [,3377] "A" "A" "A" "A" "A" "A" "A" "A" "A" "A	"C" [,3378] "T" "T" "T" "T" "T" "C" "C" "C" "C" "C"	"C" [,3379] "A" "A" "A" "A" "A" "A" "A" "A" "A" "A	"T" "T" [,3380] "G" "G" "G" "G" "G" "G" "G" "G" "G" "G	"C" [,3381] "A" "A" "A" "A" "A" "A" "A" "A" "A" "A	"A" "A" [,3382] "C" "C" "C" "C" "C" "T" "T" "T" "A" "A" "T" [,3408]	"A" "A" [,3383] "T" "T" "T" "T" "T" "G" "G" "G" "G" "G"	"C" [,3384] "T" "T" "T" "T" "T" [,3397] "A" "A" "A" "A" "A" "A" [,3410]	"T" [,3385] "C" "C" "C" "C" "C" "C" "G" "G" "G" "G"	"G" [,3 "G" "G" "G" "A" "A" "A" "A" "A"
[4,] [5,] [6,] [1,] [2,] [3,] [4,] [5,] [6,] [1,] [2,] [3,] [4,] [5,] [6,]	"C" [,3374] "A" "A" "A" "A" "A" "A" "A" "A" "A" "A	"A" [,3375] "T" "T" "T" "T" [,3388] "A" "A" "A" "A" "A" "A" "A" "A" "A" [,3401] "G"	"C" "G" "G" "G" "G" "G" "G" "A" "A" "A" "A	"T" [,3377] "A" "A" "A" "A" "A" "A" "A" "A" "A" "A	"C" [,3378] "T" "T" "T" "T" [,3391] "C" "C" "C" "C" "C" "C" "C" ",3404]	"C" "A" "A" "A" "A" "A" "A" "A" "A" "A"	"T" "T" [,3380] "G" "G" "G" "G" "G" "G" "G" "G" "G" "G	"C" [,3381] "A" "A" "A" "A" "A" "A" "A" "A" "A" "A	"A" "A" [,3382] "C" "C" "C" "C" "C" "T" "T" "A" "A" "T" [,3408] "A"	"A" "A" [,3383] "T" "T" "T" "T" "T" [,3396] "G" "G" "G" "G" "G" "G" "G" "G"	"C" [,3384] "T" "T" "T" "T" "T" [,3397] "A" "A" "A" "A" "A" [,3410] "C"	"T" [,3385] "C" "C" "C" "C" "C" "C" "G" "G" "G" "G"	"G" [,3 "G" "G" "G" "G" "A" "A" "A" "A" "A"
[4,] [5,] [6,] [1,] [2,] [3,] [4,] [5,] [6,] [1,] [2,] [3,] [4,] [5,] [6,]	"C" [,3374] "A" "A" "A" "A" "A" "A" "A" "A" "A" "A	"A" [,3375] "T" "T" "T" "T" "A" "A" "A" "A" "A" "A"	"C" [,3376] "G" "G" "G" "G" "G" "A" "A" "A" "A" "A"	"T" "A" "A" "A" "A" "A" "A" "A" "A" "A"	"C" [,3378] "T" "T" "T" "T" "C" "C" "C" "C" "C" "C"	"C" [,3379] "A" "A" "A" "A" "A" "A" "A" "A" "A" "A	"T" [,3380] "G" "G" "G" "G" "G" "G" "G" "G" "G" "G	"C" [,3381] "A" "A" "A" "A" "A" "A" "A" "A" "A" "A	"A" "A" [,3382] "C" "C" "C" "C" "T" "T" "T" "A" "A" "A" "A"	"A" "A" [,3383] "T" "T" "T" "T" "G" "G" "G" "G" "G" "G"	"C" [,3384] "T" "T" "T" "T" "A" "A" "A" "A" "A" "A"	"T" [,3385] "C" "C" "C" "C" "C" "G" "G" "G" "G" "G"	"G" [,3 "G" "G" "G" "G" "A" "A" "A" "A" [,3 "A"
[4,] [5,] [6,] [1,] [2,] [3,] [4,] [5,] [6,] [1,] [2,] [3,] [4,] [5,] [6,]	"C" [,3374] "A" "A" "A" "A" "A" "A" "A" "A" "A" "A	"A" [,3375] "T" "T" "T" "T" [,3388] "A" "A" "A" "A" "A" "A" "A" "A" "A" [,3401] "G"	"C" "G" "G" "G" "G" "G" "G" "A" "A" "A" "A	"T" [,3377] "A" "A" "A" "A" "A" "A" "A" "A" "A" "A	"C" [,3378] "T" "T" "T" "T" [,3391] "C" "C" "C" "C" "C" "C" "C" ",3404]	"C" "A" "A" "A" "A" "A" "A" "A" "A" "A"	"T" "T" [,3380] "G" "G" "G" "G" "G" "G" "G" "G" "G" "G	"C" [,3381] "A" "A" "A" "A" "A" "A" "A" "A" "A" "A	"A" "A" [,3382] "C" "C" "C" "C" "C" "T" "T" "A" "A" "T" [,3408] "A"	"A" "A" [,3383] "T" "T" "T" "T" "T" [,3396] "G" "G" "G" "G" "G" "G" "G" "G"	"C" [,3384] "T" "T" "T" "T" "T" [,3397] "A" "A" "A" "A" "A" [,3410] "C"	"T" [,3385] "C" "C" "C" "C" "C" "C" "G" "G" "G" "G"	"G" [,33. "G" "G" "G" "G" "G" "A" "A" "A" "A" "A"

[6, 1] "A" "G" "C" "T" "A" "G" "C" "T" "A" "G" "C" "T" "A" "A" "G" "C" "T" "A" "A" "G" "C" "T" "A" "A" "G" "G" "G" "A" "A" "G" "G" "G		"A"	"G"	"A"	"C"	"T"	"A"	"G"	"C"	"A"	"G"	"C"	"T"	"A"
D. J.   G.   C.   A.   A.   A.   G.   G.   G.   G.   T.   T.   G.   C.   T.   T.   T.   T.   G.	[6,]		"G" Г 3/1/17	"A" 「 3/157	"C"	"Т" Г 3/177	"A" Г 3/187	"G" F 3/107	"C"	"A" Γ 3/217	"G" F 34227	"C"	"T"	"A" 「 34257
Fig.   Go   C.   AA   AA   AA   AA   AA   AA   AA	Г1.7													
[A]         CC         Na         Na         Na         "CC         "A"         "CC         "CC         "A"         "CC         "CC         "A"         "CC         "CC         "A"         "CC         "CC         "CC         "CC         "TT         "CC         "A"         "CC         "A"         "CC         "TT         "CC         "A"         "CC         "A"         "CC         "TT         "CC         "A"         "CC         "A"         "CC         "TT         "A"         "CC         "TT         "CC         "A"         "A"         "CC         "TT         "A"         "A"         "CC         "TT         "CC														
S.   G.   C.   C.   A.   A.   A.   G.   C.   C.   C.   T.   T.   C.   C.   C	- /-								· =			-	-	
[6] [C] [C] [C] [C] [A] [A] [A] [A] [A] [A] [A] [A] [A] [A	- /-								-		-	-	-	
[, 3426] [, 3427] [, 3428] [, 3429] [, 3430] [, 3432] [, 3432] [, 3434] [, 3435] [, 3436] [, 7437] [, 3438]   [, 1437] [, 1438]   [, 1438]   [, 1437] [, 1438]   [, 1437] [, 1438]   [, 1437] [, 1438]   [, 1437] [, 1438]   [, 1437] [, 1438]   [, 1437] [, 1438]   [, 1437]   [, 1438]   [, 1437] [, 1438]   [, 1437] [, 1438]   [, 1437] [, 1438]   [, 1437] [, 1438]   [, 1437] [, 1438]   [, 1437]   [, 1438]   [, 1437] [, 1438]   [, 1437] [, 1438]   [, 1437] [, 1438]   [, 1437] [, 1438]   [, 1437] [, 1438]   [, 1437] [, 1438]   [, 1437] [, 1438]   [, 1437] [, 1438]   [, 1437] [, 1438]   [, 1437] [, 1438]   [, 1437] [, 1438]   [, 1437] [, 1438]   [, 1437] [, 1438]   [, 1437] [, 1438]   [, 1437] [, 1438]   [,									-			-	-	
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[24] The first of		-												
The content of the														
[ 3,439] [ ,3440] [ ,3441] [ ,3442] [ ,3443] [ ,3444] [ ,3445] [ ,3446] [ ,3447] [ ,3448] [ ,3446] [ ,3447] [ ,3448] [ ,3446] [ ,3447] [ ,3448] [ ,3446] [ ,3447] [ ,3448] [ ,3446] [ ,3447] [ ,3448] [ ,3447] [ ,3448] [ ,3447] [ ,3448] [ ,3447] [ ,3448] [ ,3447] [ ,3448] [ ,3447] [ ,3448] [ ,3447] [ ,3448] [ ,3447] [ ,3448] [ ,3447] [ ,3448] [ ,3447] [ ,3448] [ ,3447] [ ,3448] [ ,3447] [ ,3448] [ ,	- /-										-	-	-	
[1]   10°   "A"   "A"   "C"   "A"   "C"   "T"   "A"   "A"   "A"   "A"   "A"   "A"   "A"   "C"   "A"	[6,]	"T"	"G"		"T"	"C"	"A"	"C"	"A"	"C"	"T"	"G"	"T"	"G"
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[6] 1 % " A" "A" "A" "A" "C" "A" "C" "T" "A" "A" "A" "A" "A" "A" "G" "A" "G" "A" "G" "A" "G" "A" "G" "A" "A			"A"	"A"		"A"	"C"	"T"	"A"	"A"	"A"	"G"	"A"	"G"
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[1]   1"   ""   "A"   "G"   "G"   "A"   "A"   "A"   "A"   "G"   "A"   "G"   "T"   "T"   "T"   "A"   "G"   "G"   "A"   "A"   "A"   "A"   "A"   "A"   "A"   "A"   "G"   "T"   "T"   "T"   "T"   "A"   "G"   "A"   "A"   "A"   "A"   "A"   "A"   "A"   "A"   "G"   "T"   "T	[6,]							-				-		
	Г1.Т	-, -	-, -					-, -						
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[.3465] [.3466] [.3467] [.3468] [.3469] [.3470] [.3471] [.3472] [.3473] [.3474] [.3475] [.3476] [.3477] [.3476] [.3477] [.3477] [.3478													-	
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[24,] "G" "A" "G" "C" "A" "C" "A" "C" "A" "G" "G" "C" "A" "A" "C" "A" "G" "G" "C" "A" "A" "C" "A" "G" "G" "C" "A" "A" "C" "A" "A" "C" "A" "A" "C" "A" "A								"A"	"G"					
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[6, ] "A" "T" "T" "A" "A" "C" "A" "A" "A" "C" "A" "A" "A	- /-		"T"	"T"	"A"		"A"	"A"	"A"	"C"	"A"	"A"	"A"	"G"
[1,3491] [,3492] [,3493] [,3494] [,3495] [,3496] [,3497] [,3498] [,3498] [,3500] [,3501] [,3502] [,3503] [,1] [,3603] [,1] [,3603] [,1] [,3603] [,1] [,3603] [,1] [,3603] [,1] [,1] [,1] [,1] [,1] [,1] [,1] [,1				-										
[1,] "G" "A" "T" "T" "T" "T" "G" "A" "A" "A" "A" "A" "A" "C" "A" "C" [2,] "G" "A" "T" "T" "T" "T" "G" "A" "A" "A" "A" "A" "A" "A" "C" "A" "C" [3,] "G" "A" "T" "T" "T" "T" "G" "A" "A" "A" "A" "A" "A" "A" "A" "C" "A" "C" [4,] "G" "A" "T" "T" "T" "T" "G" "A" "A" "A" "A" "A" "A" "A" "C" "A" "C" [4,] "G" "A" "T" "T" "T" "T" "G" "A" "A" "A" "A" "A" "A" "C" "A" "C" [6,] "G" "A" "T" "T" "T" "T" "G" "A" "A" "A" "A" "A" "A" "A" "C" "A" "C" [6,] "G" "A" "T" "T" "T" "T" "G" "A" "A" "A" "A" "A" "A" "C" "A" "C" "A" "C" [6,] "G" "A" "T" "T" "T" "G" "A" "A" "A" "A" "A" "A" "C" "A" "C" "A" "C" [6,] "G" "A" "A" "A" "A" "A" "A" "A" "C" "A" "C" "A" "C" [6,] "G" "A" "A" "A" "A" "A" "A" "A" "A" "G" "A" "C" "A" "C" "A" "C" "A" "C" "A" "C" "A" "C" "A" "G" "G	[6,]			-										
[2,]   G"   "A"   "T"   "T"   "T"   "G"   "A"   "A"   "A"   "A"   "A"   "C"   "A"   "A"   "C"   "A"   "C"   "A"   "C"   "A"   "C"   "A"   "A"   "A"   "A"   "C"   "A"	Г1 Т						-, -					-, -		-, -
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[4,]         "C"         "A"         "A"         "G"         "T"         "A"         "G"         "A"         "G"         "T"         "A"         "G"         "A"         "G"         "T"         "A"         "G"         "A"         "G"         "A"         "G"         "T"         "A"         "G"         "A"         "A"         "G"         "A"         "A"         "A"         "G"         "A"         "A" <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>-</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>								-						
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[,3530] [,3531] [,3532] [,3533] [,3534] [,3535] [,3536] [,3537] [,3538] [,3539] [,3540] [,3541] [,3542] [,1] "G" "A" "A" "A" "A" "A" "A" "A" "A" "A"	[5,]	"C"		-			-							
[1,] "G" "A" "A" "T" "A" "A" "A" "A" "A" "A" "A	[6,]			-		-								
[2,] "G" "A" "A" "T" "A" "A" "A" "A" "A" "A" "A	Г1.7													
[3,] "G" "A" "A" "T" "A" "C" "A" "A" "A" "A" "G" "A" "A" "A" [4,] "G" "A" "A" "A" "A" "A" "A" "A" "A" "A"														
[5,] "G" "A" "A" "T" "A" "A" "A" "A" "A" "A" "G" "A" "A" [6,] "G" "A" "A" "A" "A" "A" "A" "A" "A" "A"	[3,]	"G"									"A"			
[6,] "G" "A" "A" "T" "A" "A" "C" "A" "A" "A" "G" "A" "A" "A" [,3543] [,3543] [,3544] [,3545] [,3546] [,3547] [,3548] [,3548] [,3559] [,3551] [,3552] [,3553] [,3554] [,3555] [1,] "G" "A" "G" "G" "T" "T" "C" "A" "T" "T" "T" "T" "T" "T" "T" "T" "T														
[,3543] [,3544] [,3545] [,3546] [,3547] [,3548] [,3549] [,3550] [,3551] [,3552] [,3553] [,3554] [,3555] [1,] "G" "A" "G" "G" "T" "T" "C" "A" "T" "T" "T" "T" "T" "T" "T" "T" "T														
[1,] "G" "A" "G" "G" "T" "T" "C" "A" "T" "T" "T" "T" "T" "T" "T" [2,] "G" "A" "T" "T" "T" "T" "T" "T"	ro,]													
		"G"	"A"	"G"	"G"	"T"	"T"	"Ć"	"A"	"Ť"	"T"	"Ť"	"Ť"	"T"
[5,] "G" "A" "G" "G" "I" "I" "C" "A" "T" "T" "T" "T" "T"													-	
	L3,_	G	A	'G"	G.,	1 "	1."	C.,	А	1."	1	1 "	1 "	1"

[4,] "G"	"A"	"G"	"G"	"T"	"T"	"C"	"A"	"T"	"T"	"T"	"T"	"T"
[5,] "G"	"A"	"G"	"G"	"T"	"T"	"C"	"A"	"T"	"T"	"T"	"T"	"T"
[6,] "G"	"A"	"G"	"G"	"T"	"T"	"C"	"A"	"T"	"T"	"T"	"T"	"T"
[,3556]	[,3557]	[,3558]	[,3559]	[,3560]	[,3561]	[,3562]	[,3563]	[,3564]	[,3565]	[,3566]	[,3567]	[,3568]
[1,] "C"	"T"	"G"	"G"	"C"	"T"	"T"	"T"	"T"	"T"	"T"	"_"	"_"
[2,] "C" [3,] "C"	"T" "T"	"G" "G"	"G" "G"	"C" "C"	"T" "T"	"T" "T"	"T" "T"	"T" "T"	"T" "_"	"T" "T"	"-" "T"	"_" "T"
[4,] "C"	"T"	"G"	"G"	"C"	"T"	"T"	"T"	"T"	- "T"	"T"	"T"	"T"
[5,] "C"	"T"	"G"	"G"	"C"	"T"							
[6,] "C"	"T"	"G"	"G"	"C"	"T"	"T"	"T"	"C"	"T"	"T"	"T"	"T"
[,3569]	[,3570]	[,3571]	[,3572]	[,3573]	[,3574]	[,3575]	[,3576]	[,3577]	[,3578]	[,3579]	[,3580]	[,3581]
[1,] "T"	"T"	"T"	"C"	"A"	"C"	"C"	"T"	"G"	"A"	"A"	"A"	"C"
[2,] "T"	"T"	"T"	"C"	"A"	"C"	"C"	"T" "T"	"G"	"A"	"A"	"A"	"C"
[3,] "T" [4,] "T"	"T" "C"	"T" "A"	"C" "C"	"A" "C"	"C" "T"	"C" "G"	"A"	"G" "A"	"A" "A"	"A" "C"	"A" "A"	"C" "C"
[5,] "T"	"C"	"A"	"A"	"C"	"T"	"G"	"A"	"A"	"A"	"C"	"A"	"C"
[6,] "T"	"T"	"T"	"C"	"A"	"C"	"C"	"T"	"G"	"A"	"A"	"A"	"C"
[,3582]	[,3583]	[,3584]	[,3585]	[,3586]	[,3587]	[,3588]	[,3589]	[,3590]	[,3591]	[,3592]	[,3593]	[,3594]
[1,] "A"	"C"	"T"	"T"	"T"	"T"	"T"	"C"	"T"	"C"	"G"	"A"	"G"
[2,] "A"	"C"	"T"	"T"	"T"	"T"	"T"	"C"	"T"	"C"	"G"	"A"	"G"
[3,] "A" [4,] "T"	"C" "T"	"T" "T"	"T" "T"	"T" "T"	"T" "C"	"T" "T"	"C" "C"	"T" "T"	"C" "T"	"G" "G"	"A" "A"	"G" "G"
[5,] "T"	"T"	"T"	"T"	"T"	"T"	"C"	"T"	"C"	"T"	"T"	"G"	"A"
[6,] "A"	"C"	"T"	"T"	"T"	"T"	"T"	"C"	"T"	"C"	"G"	"A"	"G"
[,3595]		[,3597]	[,3598]	[,3599]	[,3600]	[,3601]	[,3602]	[,3603]	[,3604]	[,3605]	[,3606]	[,3607]
[1,] "T"	"C"	"C"	"A"	"A"	"A"	"A"	"T"	"C"	"A"	"T"	"T"	"C"
[2,] "T"	"C"	"C"	"A"	"A"	"A"	"A"	"T"	"C"	"A"	"T"	"T"	"C"
[3,] "T"	"C"	"C"	"A"	"A"	"A"	"A"	"T" "T"	"C"	"A"	"T" "C"	"T" "T"	"-"
[4,] "T" [5,] "G"	"C" "T"	"C" "C"	"A" "C"	"A" "A"	"A" "A"	"A" "A"	"A"	"C" "T"	"A" "C"	"A"	"T"	"T"
[6,] "T"	"C"	"C"	"A"	"A"	"A"	"A"	"T"	"C"	"A"	"T"	"G"	"_"
[,3608]		[,3610]	[,3611]	[,3612]			[,3615]		[,3617]	[,3618]	[,3619]	[,3620]
[1,] "Ć"	"Ć"	"C"	"Ć"	"Ć"	"Ğ"	"Ť"	"Ğ"	"A"	"A"	"Ğ"	"Ť"	"Ć"
[2,] "C"	"-"	"C"	"C"	"C"	"A"	"T"	"G"	"A"	"A"	"G"	"T"	"C"
[3,] "C"	"C"	"C"	"C"	"C"	"G"	"T"	"G"	"A"	"A"	"G"	"T"	"C"
[4,] "C" [5.] "C"	"C" "C"	"C" "C"	"C" "C"	"C" "C"	"A" "A"	"T" "T"	"G" "G"	"A" "A"	"A" "A"	"G" "G"	"T" "T"	"C" "C"
[5,] "C" [6,] "C"	"C"	"C"	"C"	"C"	"G"	"T"	"G"	"A"	"A"	"G"	"T"	"C"
- /-		[,3623]	[,3624]	[,3625]		-	[,3628]	[,3629]		[,3631]	[,3632]	
[1,] "T"	"G"	"C"	"T"	"T"	"A"	"C"	"C"	"A"	"A"	"A"	"A"	"C"
[2,] "T"	"G"	"C"	"T"	"T"	"A"	"C"	"C"	"A"	"A"	"A"	"A"	"C"
[3,] "T"	"G"	"C"	"T"	"T"	"A"	"C"	"C"	"A"	"A"	"A"	"A"	"C"
[4,] "T"	"G"	"C"	"C"	"T"	"A"	"C"	"C"	"A"	"A"	"A"	"A"	"C"
[5,] "T" [6,] "T"	"G" "G"	"C" "C"	"C" "T"	"T" "T"	"A" "A"	"C" "C"	"C" "C"	"A" "A"	"A" "A"	"A" "A"	"A" "A"	"C" "C"
[,3634]		[,3636]	[,3637]	[,3638]			[,3641]	[,3642]	[,3643]	[,3644]	[,3645]	
[1,] "A"	"T"	"A"	"A"	"G"	"A"	"C"	"G"	"A"	"C"	"T"	"T"	"A"
[2,] "A"	"T"	"A"	"A"	"G"	"A"	"T"	"G"	"A"	"C"	"T"	"T"	"A"
[3,] "A"	"T"	"A"	"A"	"G"	"A"	"C"	"G"	"A"	"C"	"T"	"T"	"A"
[4,] "G"	"T"	"A"	"A"	"G"	"A"	"C"	"C"	"A"	"C"	"T"	"T"	"A"
[5,] "A" [6,] "A"	"T" "T"	"A" "A"	"A" "A"	"G" "G"	"A" "A"	"C" "C"	"G" "G"	"A" "A"	"C" "C"	"T" "T"	"T" "T"	"A" "A"
[6,] "A" [,3647]		[,3649]					[,3654]			· =	[,3658]	
[1,] "T"	"A"	"T"	"A"	"T"	"T"	"T"	"G"	"A"	"A"	"A"	"G"	"A"
[2,] "T"	"A"	"T"	"A"	"T"	"T"	"T"	"G"	"A"	"A"	"A"	"G"	"A"
[3,] "T"	"A"	"T"	"A"	"T"	"T"	"T"	"G"	"A"	"A"	"A"	"G"	"A"
[4,] "T"	"A"	"T"	"A"	"T"	"T"	"T"	"G"	"A"	"A"	"A"	"G"	"A"
[5,] "T" [6,] "T"	"A" "A"	"T" "T"	"A" "A"	"T" "T"	"T" "T"	"T" "T"	"G" "G"	"A" "A"	"A" "A"	"G" "A"	"G" "G"	"A" "A"
[,3660]		[,3662]	[,3663]	[,3664]	[,3665]	-	[,3667]		[,3669]		[,3671]	
[1,] "A"	"G"	"T"	"C"	"A"	"A"	"A"	"T"	"G"	"A"	"A"	"T"	"G"
[2,] "A"	"G"	"T"	"C"	"A"	"A"	"A"	"T"	"G"	"A"	"A"	"T"	"G"
[3,] "A"	"G"	"T"	"C"	"A"	"A"	"A"	"T"	"G"	"A"	"A"	"T"	"G"
[4,] "A"	"G"	"T"	"C"	"A"	"A"	"A"	"T"	"G"	"A"	"A"	"T"	"G"
[5,] "A" [6,] "A"	"G" "G"	"T" "T"	"C" "C"	"A" "A"	"A" "A"	"A" "A"	"T" "T"	"G" "G"	"A" "A"	"A" "A"	"T" "T"	"G" "G"
[,3673]		[,3675]	[,3676]	[,3677]			[,3680]		[,3682]		[,3684]	
[1,] "A"	"G"	"C"	"T"	"C"	"T"	"C"	"T"	"A"	"A"	"T"	"A"	"G"
[2,] "A"	"G"	"C"	"T"	"C"	"T"	"C"	"T"	"A"	"A"	"T"	"A"	"G"
[3,] "A"	"G"	"C"	"T"	"C"	"T"	"C"	"T"	"A"	"A"	"T"	"A"	"G"
[4,] "A"	"G"	"C"	"T"	"C"	"T"	"C"	"T"	"A"	"A"	"T"	"A"	"G"
[5,] "A"	"G"	"C"	"T"	"C"	"T"	"C"	"T"	"A"	"A"	"C"	"A"	"G"
[6,] "A"	"G" [,3687]	"C" [,3688]	"T"	"C" [,3690]	"T" [,3691]	"C" [,3692]	"T"	"A" [,3694]	"A" F 36057	"T" [,3696]	"A" [,3697]	"G" F 36087
[,3686] [1,] "A"	[,3007] "A"	"G"	[,3689] "T"	"C"	"C"	[,3692]	[,3693] "T"	"G"	[,3695] "A"	"G"	[,3697]	[,3698] "T"
[2,] "A"	"A"	"G"	"T"	"C"	"C"	"A"	"T"	"G"	"A"	"G"	"T"	"T"

[3,]	"A"	"A"	"G"	"T"	"C"	"C"	"A"	"T"	"G"	"A"	"G"	"T"	"T"
[4,]	"A"	"A"	"G"	"T"	"C"	"C"	"G"	"T"	"G"	"A"	"G"	"T"	"T"
[5,]	"A"	"A"	"G"	"T"	"G"	"C"	"A"	"T"	"G"	"A"	"G"	"T"	"T"
[6,]	"A"	"A"	"G"	"T"	"C"	"C"	"A"	"T"	"G"	"A"	"G"	"T"	"T"
	[,3699]		[,3701]				[,3705]			[,3708]	[,3709]	[,3710]	
[1,]	"G"	"A"	"G"	"T"	"G"	"G"	"G"	"T"	"A"	"T"	"T"	"T"	"C"
[2,]	"G" "G"	"A" "A"	"G" "G"	"T" "T"	"G" "G"	"G" "G"	"G" "G"	"T" "T"	"A" "A"	"T" "T"	"T" "T"	"T" "T"	"C" "C"
[3,] [4,]	"G"	Α "Δ"	"G"	т "Т"	"G"	"G"	"G"	"T"	Α "Α"	"T"	"T"	"T"	"C"
[5,]	"G"	"A"	"G"	"T"	"G"	"G"	"G"	"T"	"A"	"T"	"T"	"T"	"C"
[6,]		"A"	"G"	"T"	"G"	"G"	"G"	"T"	"A"	"T"	"T"	"T"	"C"
L-,_			[,3714]	[,3715]	[,3716]	[,3717]	[,3718]	[,3719]	[,3720]	[,3721]	[,3722]	[,3723]	[,3724]
[1,]	"T"	"T"	"A"	"T"	"T"	"T"	"G"	"A"	"A"	"A"	"G"	"T"	"G"
[2,]	"T"	"T"	"A"	"T"	"T"	"T"	"G"	"A"	"A"	"A"	"G"	"T"	"G"
[3,]	"T"	"T"	"A"	"T"	"T"	"T"	"G"	"A"	"A"	"A"	"G"	"T"	"G"
[4,]	"T"	"T"	"A"	"T"	"T"	"T"	"G"	"A"	"A"	"A"	"G"	"T"	"G"
[5,]	"T" "T"	"T" "T"	"A" "A"	"T" "T"	"C" "T"	"T" "T"	"G" "G"	"A" "A"	"A" "A"	"A" "A"	"G" "G"	"T" "T"	"G" "G"
[6,]	[,3725]	[,3726]			[,3729]		[,3731]			[,3734]	[,3735]	[,3736]	
[1,]	"T"	"T"	"T"	"T"	"T"	"C"	"T"	"T"	"T"	"A"	"A"	"T"	"C"
[2,]	"T"	"T"	"T"	"T"	"T"	"C"	"T"	"T"	"T"	"A"	"A"	"C"	"C"
[3,]	"T"	"T"	"T"	"T"	"T"	"C"	"T"	"T"	"T"	"A"	"A"	"T"	"C"
[4,]	"T"	"T"	"T"	"T"	"T"	"C"	"T"	"T"	"T"	"A"	"A"	"T"	"C"
[5,]	"T"	"T"	"T"	"T"	"T"	"C"	"T"	"T"	"T"	"A"	"A"	"T"	"C"
[6,]	"T"	"T"	"T"	"T"	"T"	"C"	"T"	"T"	"T"	"A"	"A"	"T"	"C"
[1,]	[,3738]	[,3739] "A"	[,3740] "A"	[,3741] "A"	[,3742] "G"	[,3743] "T"	[,3744] "C"	[,3745] "C"	[,3746] "T"	[,3747] "T"	[,3748] "A"	[,3749] "G"	[,3750] "A"
[2,]	"A"	"A"	"A"	"A"	"G"	"T"	"C"	"C"	"T"	"T"	"A"	"G"	"A"
[3,]	"A"	"A"	"A"	"A"	"G"	"T"	"C"	"C"	"T"	"T"	"A"	"G"	"A"
[4,]	"A"	"A"	"A"	"A"	"G"	"T"	"C"	"C"	"T"	"T"	"A"	"G"	"A"
[5,]	"A"	"A"	"A"	"A"	"G"	"T"	"C"	"C"	"T"	"T"	"A"	"G"	"A"
[6,]		"A"	"A"	"A"	"G"	"T"	"C"	"C"	"T"	"T"	"A"	"G"	"A"
	[,3751]	-, -	[,3753]		[,3755]		[,3757]	[,3758]		[,3760]	[,3761]	[,3762]	
[1,]	"A"	"T"	"G"	"A"	"G"	"G"	"G"	"A"	"A"	"A"	"C"	"A"	"A"
[2,]	"A"	"T" "T"	"G" "G"	"A" "A"	"G" "G"	"G" "G"	"G" "G"	"A" "A"	"A" "A"	"A" "A"	"C" "C"	"A" "A"	"A" "A"
[3,] [4,]	"A" "A"	"C"	"G"	"A"	"G"	"A"	"G"	"A"	"A"	"A"	"C"	"A"	"A"
[5,]	"A"	"T"	"G"	"A"	"G"	"G"	"A"	"A"	"A"	"A"	"C"	"A"	"A"
[6,]		"T"	"G"	"A"	"G"	"G"	"G"	"A"	"A"	"A"	"C"	"A"	"A"
L-,1	[,3764]	[,3765]	[,3766]	[,3767]	[,3768]	[,3769]	[,3770]	[,3771]	[,3772]	[,3773]	[,3774]	[,3775]	[,3776]
[1,]	"A"	"A"	"T"	"A"	"T"	"T"	"T"	"A"	"T"	"T"	"T"	"G"	"T"
[2,]	"A"	"A"	"T"	"A"	"T"	"T"	"T"	"A"	"T"	"T"	"T"	"G"	"T"
[3,]	"A"	"A" "A"	"T"	"A" "A"	"T" "T"	"T" "T"	"T"	"A" "A"	"T" "T"	"T"	"T" "T"	"G" "G"	"T" "T"
[4,] [5,]	"A" "A"	"A"	"T" "T"	"A"	"T"	"T"	"T" "T"	"A"	"T"	"T" "T"	"T"	"G"	"T"
[6,]		"A"	"T"	"A"	"T"	"T"	"T"	"A"	"T"	"T"	"T"	"G"	"T"
L°,1	[,3777]		[,3779]		[,3781]	-	[,3783]		Γ,37857	[,3786]	[,3787]	[,3788]	-
[1,]	"T"	"T"	"T"	"Ğ"	"G"	"A"	"A"	"T"	"Ć"	"Ć"	"Ć"	"A"	"C"
[2,]	"T"	"T"	"T"	"G"	"G"	"A"	"A"	"T"	"C"	"C"	"C"	"A"	"C"
[3,]	"T"	"T"	"T"	"G"	"G"	"A"	"A"	"T"	"C"	"C"	"C"	"A"	"C"
[4,]	"T"	"T"	"T"	"G"	"G"	"A"	"A"	"T"	"C"	"C"	"C"	"A"	"C"
[5,] [6,]	"T"	"T" "T"	"T"	"G" "G"	"G" "G"	"A" "A"	"A" "A"	"T"	"C"	"C"	"C"	"A" "A"	"C"
[٥,]	[,3790]	[,3791]	-		[,3794]		[,3796]		[,3798]	[,3799]	[,3800]	[,3801]	[,3802]
[1,]	"T"	"T"	"A"	"T"	"C"	"A"	"A"	"A"	"T"	"C"	"A"	"T"	"T"
[2,]	"T"	"T"	"A"	"T"	"C"	"A"	"A"	"A"	"T"	"C"	"A"	"T"	"T"
[3,]	"T"	"T"	"A"	"T"	"C"	"A"	"A"	"A"	"T"	"C"	"A"	"T"	"T"
[4,]	"T"	"T"	"A"	"A"	"C"	"A"	"A"	"A"	"T"	"C"	"A"	"T"	"T"
[5,]	"T"	"T"	"A"	"T"	"C"	"A"	"A"	"A"	"T"	"A"	"A"	"T"	"T"
[6,]	"T"	"T"	"A"	"T"	"C"	"A"	"A"	"A"	"T"	"C"	"A" 「 20127	"T"	"T"
[1,]	[,3803]	[,3804] "A"	[,3805] "A"	[,3806] "A"	[,3807] "A"	[,3808] "C"	[,3809] "T"	[,3810] "T"	"T"	[,3812] "C"	[,3813] "A"	[,3814] "G"	[,3815] "C"
[2,]		"A"	"A"	"A"	"A"	"C"	"T"	"T"	"T"	"C"	"A"	"G"	"C"
[3,]		"A"	"A"	"A"	"A"	"C"	"T"	"T"	"T"	"C"	"A"	"G"	"C"
[4,]	"C"	"A"	"A"	"A"	"A"	"C"	"T"	"T"	"T"	"C"	"A"	"G"	"C"
[5,]		"A"	"A"	"A"	"A"	"C"	"T"	"T"	"T"	"C"	"A"	"G"	"C"
[6,]		"A"	"A"	"A"	"A"	"C"	"T"	"T"	"T"	"C"	"A"	"G"	"C"
[1 ]	[,3816] "T"	[,3817] "G"	[,3818] "G"	[,3819] "A"	[,3820] "G"	[,3821] "T"	[,3822] "G"	[,3823] "G"	[,3824] "G"	[,3825] "G"	[,3826] "T"	[,3827] "T"	[,3828] "T"
[1,] [2,]	"T"	"G"	"G"	"A"	"G"	"T"	"G"	"G"	"G"	"G"	"T"	"T"	"T"
[3,]	"T"	"G"	"G"	"A"	"G"	"T"	"G"	"G"	"G"	"G"	"T"	"T"	"T"
[4,]	"T"	"G"	"G"	"A"	"G"	"T"	"G"	"G"	"G"	"G"	"T"	"T"	"T"
[5,]	"T"	"G"	"G"	"A"	"G"	"T"	"G"	"G"	"G"	"G"	"T"	"T"	"T"
[6,]	"T"	"G"	"G"	"A"	"G"	"T"	"G"	"G"	"G"	"G"	"T"	"T"	"T"
F4 7			[,3831]				[,3835]			[,3838]	[,3839]	[,3840]	
[1,]	u	"C"	"T"	"T"	"T"	"T"	"G"	"T"	"T"	"T"	"T"	"G"	"T"

[2,]		"C"	"T"	"T"	"T"	"T"	"G"	"T"	"T"	"T"	"T"	"G"	"T"
[3,]	"G"	"T"	"T"	"T"	"T"	"T"	"G"	"T"	"T"	"T"	"T"	"G"	"T"
[4,]	"G"	"C"	"T"	"T"	"T"	"T"	"G"	"T"	"T"	"T"	"T"	"G"	"T"
[5,]	"G"	"C"	"T"	"T"	"T"	"T"	"G"	"T"	"T"	"T"	"T"	"G"	"T"
[6,]	"G"	"C"	"T"	"T"	"T"	"T"	"G"	"T"	"T"	"T"	"T"	"G"	"T"
	[,3842]	[,3843]	[,3844]	[,3845]	[,3846]	[,3847]	[,3848]	[,3849]	[,3850]	[,3851]	[,3852]	[,3853]	[,3854]
[1,]	"Ť"	"T"	"Ġ"	"T"	"Ğ"	"T"	"Ć"	"Ć"	"A"	"T"	"A"	"A"	"Ġ"
[2,]	"T"	"T"	"G"	"T"	"G"	"T"	"C"	"C"	"A"	"T"	"A"	"A"	"G"
[3,]	"T"	"T"	"G"	"T"	"G"	"T"	"C"	"C"	"A"	"T"	"A"	"A"	"G"
	"T"	"T"	"G"	"T"	"G"	"T"	"C"	"C"	"G"	"T"	"A"	"A"	"G"
[4,]	"T"	"T"	"G"	"T"	"G"	"T"	"C"	"C"	''Δ"	"T"		"A"	"G"
[5,]	-			-		-	-	-		•	"A"		
[6,]	"T"	"T"	"G"	"T"	"G"	"T"	"C"	"C"	"A"	"T"	"A"	"A"	"G"
	[,3855]	[,3856]	[,3857]	[,3858]	[,3859]	[,3860]	[,3861]	[,3862]	[,3863]	[,3864]		[,3866]	
[1,]		"G"	"A"	"A"	"A"	"T"	"G"	"G"	"T"	"A"	"G"	"A"	"A"
[2,]	"A"	"G"	"A"	"A"	"A"	"T"	"G"	"G"	"T"	"A"	"G"	"A"	"A"
[3,]	"A"	"G"	"A"	"A"	"A"	"T"	"G"	"G"	"T"	"A"	"G"	"A"	"A"
[4,]	"A"	"G"	"A"	"A"	"A"	"T"	"G"	"G"	"T"	"A"	"G"	"A"	"A"
[5,]	"A"	"C"	"A"	"A"	"A"	"T"	"G"	"G"	"T"	"A"	"G"	"A"	"A"
6,7	"A"	"G"	"A"	"A"	"A"	"T"	"G"	"G"	"T"	"A"	"G"	"A"	"A"
L°,1	[,3868]	[,3869]	[,3870]	[,3871]	[,3872]	[,3873]	[,3874]	[,3875]	-	[,3877]		[,3879]	[,3880]
[1,]		"A"	"T"	"G"	"A"	"A"	"T"	"C"	"A"	"G"	"T"	"A"	"T"
	"G"	"A"	т "Т"	"G"	"A"	Α "Δ"	"T"	"C"	"A"	"G"	"T"	"A"	"T"
2,]			-				-						-
3,]	"G"	"A"	"T"	"G"	"A"	"A"	"T"	"C"	"A"	"G"	"T"	"A"	"T"
4,]	"G"	"A"	"C"	"G"	"A"	"A"	"T"	"C"	"A"	"G"	"T"	"A"	"C"
5,]	"G"	"A"	"T"	"G"	"A"	"A"	"T"	"C"	"A"	"G"	"T"	"A"	"T"
6,]	"G"	"A"	"T"	"G"	"A"	"A"	"T"	"C"	"A"	"G"	"T"	"A"	"T"
	[,3881]	[,3882]	[,3883]	[,3884]	[,3885]	[,3886]	[,3887]	[,3888]	[,3889]	[,3890]	[,3891]	[,3892]	[,3893]
1,7	"G"	"A"	"A"	"G"	"A"	"C"	"A"	"C"	"T"	"G"	"T"	"C"	"A"
2,]	"G"	"A"	"A"	"G"	"A"	"A"	"A"	"C"	"T"	"G"	"T"	"C"	"A"
3,]	"G"	"A"	"A"	"G"	"A"	"C"	"A"	"C"	"T"	"G"	"T"	"C"	"A"
4,]	"G"	"A"	"A"	"G"	"A"	"C"	"A"	"C"	"T"	"G"	"T"	"C"	"A"
	"G"	"A"	"A"	"G"	"A"	"C"	"A"	"C"	"T"	"G"	"T"	"C"	"A"
5,]				-		-			-		-	-	
6,]	"G"	"A"	"A"	"G"	"A"	"C"	"A"	"C"	"T"	"G"	"T"	"C"	"A"
	[,3894]	[,3895]	[,3896]	[,3897]	[,3898]	[,3899]	[,3900]	[,3901]	[,3902]	[,3903]	[,3904]	[,3905]	[,3906]
	"A"	"T"	"G"	"A"	"G"	"G"	"T"	"T"	"A"	"T"	"G"	"A"	"G"
2,]	"A"	"T"	"G"	"A"	"G"	"G"	"T"	"T"	"A"	"T"	"G"	"A"	"G"
3,]	"A"	"T"	"G"	"A"	"G"	"G"	"T"	"T"	"A"	"T"	"G"	"A"	"G"
4,]	"A"	"T"	"G"	"A"	"G"	"G"	"T"	"T"	"A"	"T"	"G"	"A"	"G"
5,]	"A"	"T"	"G"	"A"	"G"	"G"	"T"	"T"	"A"	"T"	"G"	"A"	"G"
[6,]	"A"	"T"	"G"	"A"	"G"	"G"	"T"	"T"	"A"	"T"	"G"	"A"	"G"
,_	[,3907]	[,3908]	[,3909]	[,3910]	[,3911]	[,3912]	-	[,3914]	[,3915]	[,3916]	[,3917]	[,3918]	
-4 7													
[1,]		"A"	"A"	"A"	"A"	"A"	"A"	"C"	"A"	"G"	"C"	"A"	"G"
[2,]		"A"	"A"	"A"	"-"	"A"	"A"	"C"	"A"	"G"	"C"	"A"	"G"
[3,]	"A"	"A"	"A"	"A"	"-"	"A"	"A"	"C"	"A"	"G"	"C"	"A"	"G"
4,]	"A"	"A"	"A"	"A"	"-"	"A"	"A"	"C"	"A"	"G"	"C"	"A"	"G"
5,]	"A"	"A"	"G"	"A"	"-"	"A"	"A"	"C"	"A"	"G"	"C"	"A"	"G"
6,]	"A"	"A"	"A"	"A"	"-"	"A"	"A"	"C"	"A"	"G"	"C"	"A"	"G"
	[,3920]	[,3921]	[,3922]	[,3923]	[,3924]	[,3925]	[,3926]	[,3927]	[,3928]	[,3929]	[,3930]	[,3931]	[,3932]
1.1	"G"	"G"	"G"	"C"	"A"	"T"	"T"	"A"	"G"	"T"	"T"	"T"	"C"
2,]		"G"	"G"	"C"	"A"	"T"	"T"	"A"	"G"	"T"	"T"	"T"	"C"
		"G"	"G"	"C"	"A"	"T"	"T"	"A"	"G"	"T"	"T"	"T"	"C"
	"G"						   T			<u>.</u>	<u>.</u>		"C"
4,]	"G"	"G"	"G"	"C"	"A"	"T"	1"	"A"	"G"	"T"	"T"	"T"	
5,]	"G"	"G"	"G"	"C"	"A"	"T"	"T"	"A"	"G"	"T"	"T"	"T"	"C"
6,]	"G"	"G"	"G"	"C"	"A"	"T"	"T"	"A"	"G"	"T"	"T"	"T"	"C"
	[,3933]	[,3934]	[,3935]	[,3936]	[,3937]	[,3938]	[,3939]	[,3940]	[,3941]	[,3942]	[,3943]	[,3944]	[,3945]
1,]	"A"	"G"	"G"	"C"	"A"	"A"	"G"	"G"	"C"	"A"	"G"	"C"	"T"
2,]	"A"	"G"	"G"	"C"	"A"	"A"	"G"	"G"	"C"	"A"	"G"	"C"	"T"
	"A"	"G"	"G"	"C"	"A"	"A"	"G"	"G"	"C"	"A"	"G"	"C"	"T"
4,]		"G"	"G"	"C"	"A"	"A"	"G"	"G"	"C"	"A"	"G"	"C"	"T"
5,]	"A"	"G"	"G"	"C"	"A"	"A"	"G"	"G"	"C"	"A"	"G"	"C"	"T"
		"G"	"G"	"C"	"A"	"A"	"G"	"G"	"C"	"A"	"G"	"C"	"T"
υ,]	"A"												
	[,3946]	[,3947]	[,3948]	[,3949]	[,3950]	[,3951]	[,3952]	[,3953]	[,3954]	[,3955]	[,3956]	[,3957]	[,3958]
1,]	"C"	"C"	"C"	"A"	"G"	"G"	"T"	"T"	"T"	"A"	"G"	"A"	"G"
2,]	"C"	"C"	"C"	"A"	"G"	"G"	"T"	"T"	"T"	"A"	"G"	"G"	"G"
3,]	"C"	"C"	"C"	"A"	"G"	"G"	"T"	"T"	"T"	"A"	"G"	"A"	"G"
4,]		"C"	"C"	"A"	"G"	"G"	"T"	"T"	"T"	"A"	"G"	"A"	"G"
5,]	"C"	"C"	"C"	"A"	"G"	"G"	"T"	"T"	"T"	"A"	"G"	"A"	"G"
		"C"	"C"	"A"	"G"	"G"	"T"	"T"	"T"	"A"	"G"	"A"	"G"
6 1	[,3959]					-	-	-	-				
[6,]		[,3960]	[,3961]	[,3962]	[,3963]	[,3964]	[,3965]	[,3966]	[,3967]	[,3968]	[,3969]	[,3970]	
		"T"	"T"	"A"	"A"	"T"	"T"	"T"	"T"	"T"	"A"	"C"	"C"
[1,]	"A"			"A"	"A"	"T"	"T"	"T"	"T"	"T"	"A"	"C"	"C"
[1,] [2,]	"A" "A"	"T"	"T"				"T"	"T"	"T"	"T"	"A"	"C"	"C"
[1,] [2,]	"A" "A"	"T"	"T"	"A"	"A"	"T"	-	-				-	
[1,] [2,] [3,]	"A" "A"	"T" "T"	-		"A" "A"	"T" "T"	"T"	"†"	"T"	"T"	"A"	"C"	"C"
[1,] [2,] [3,] [4,]	"A" "A" "A"	"T"	"T"	"A"		-	-	-		"T" "T"		-	
[1,] [2,] [3,] [4,] [5,]	"A" "A" "A" "A"	"T" "T"	"T" "T"	"A" "A"	"A"	"T"	"T"	"T"	"T"	-	"A"	"C"	"C"
[6,] [1,] [2,] [3,] [4,] [5,]	"A" "A" "A" "A" "A"	"T" "T" "T"	"T" "T" "T"	"A" "A" "A"	"A" "A" "A"	"T" "T" "T"	"T" "T" "T"	"T" "T" "T"	"T" "T" "T"	"T" "T"	"A" "A" "A"	"C" "T" "C"	"C" "C" "C"

[1,] "C"	"C"	"C"	"T" "T"	"A"	"A"	"G"	"G"	"A"	"A"	"T"	"A"	"T"
[2,] "C" [3,] "C"	"C" "C"	"C" "C"	"T"	"A" "A"	"A" "A"	"G" "G"	"G" "G"	"A" "A"	"A" "A"	"T" "T"	"A" "A"	"T" "T"
[3,] C [4,] "C"	"C"	"C"	"T"	"A"	"A"	"G"	"G"	"A"	"A"	"T"	"A"	"T"
[5,] "C"	"C"	"C"	"T"	"A"	"A"	"G"	"G"	"A"	"A"	"T"	"A"	"T"
[6,] "C"	"C"	"C"	"T"	"A"	"A"	"G"	"G"	"A"	"A"	"T"	"A"	"T"
- /-	[,3986]	[,3987]	-	[,3989]	[,3990]	[,3991]	[,3992]	[,3993]		[,3995]	[,3996]	=
[1,] "C"	"C"	"A"	"G"	"T"	"C"	"A"	"A"	"A"	"G"	"A"	"C"	"G"
[2,] "C"	"C"	"A"	"G"	"T"	"C"	"A"	"A"	"A"	"G"	"A"	"C"	"G"
[3,] "C"	"C"	"A"	"G"	"T"	"C"	"A"	"A"	"A"	"G"	"A"	"C"	"G"
[4,] "C"	"C"	"A"	"G"	"T"	"C"	"A"	"A"	"A"	"G"	"A"	"C"	"G"
[5,] "C"	"C"	"A"	"G"	"T"	"C"	"A"	"A"	"A"	"G"	"A"	"C"	"G"
[6,] "C"	"C"	"A"	"G"	"T"	"C"	"A"	"A"	"A"	"G"	"A"	"C"	"G"
	[,3999]	[,4000]	[,4001]		[,4003]	[,4004]	[,4005]	[,4006]	-, -	[,4008]	[,4009]	
[1,] "C"	"T"	"G"	"A"	"G"	"T"	"G"	"G"	"G"	"A"	"G"	"C"	"T"
[2,] "C"	"T"	"G"	"A"	"G"	"T" "T"	"G"	"G"	"G"	"A"	"G" "G"	"C"	"T" "T"
[3,] "C" [4,] "C"	"T" "T"	"G" "G"	"A" "A"	"G" "G"	"T"	"G" "G"	"G" "G"	"G" "G"	"A" "A"	"G"	"C" "C"	"T"
[5,] "C"	"T"	"G"	"A"	"G"	"T"	"G"	"G"	"G"	"A"	"G"	"C"	"T"
[6,] "C"	"T"	"G"	"A"	"G"	"T"	"G"	"G"	"G"	"A"	"G"	"C"	"T"
- /-	[,4012]			[,4015]	-	[,4017]	[,4018]	[,4019]		[,4021]	[,4022]	•
[1,] "G"	"T"	"C"	"A"	"G"	"G"	"C"	"A"	"G"	"T"	"A"	"G"	"C"
[2,] "G"	"T"	"C"	"A"	"G"	"G"	"C"	"A"	"G"	"T"	"A"	"G"	"C"
[3,] "G"	"T"	"C"	"A"	"G"	"G"	"C"	"A"	"G"	"T"	"A"	"G"	"C"
[4,] "G"	"T"	"C"	"A"	"G"	"G"	"C"	"A"	"G"	"T"	"A"	"G"	"C"
[5,] "G"	"T"	"C"	"A"	"G"	"G"	"C"	"A"	"G"	"T"	"A"	"G"	"C"
[6,] "G"	"T"	"C"	"A"	"G"	"G"	"C"	"A"	"G"	"T"	"A"	"G"	"C"
	[,4025]	[,4026]	[,4027]	-, -	[,4029]	[,4030]	[,4031]	[,4032]	-, -	[,4034]	[,4035]	
[1,] "A"	"G"	"C"	"T"	"G"	"T"	"G"	"T"	"T"	"T"	"G"	"A"	"G"
[2,] "A"	"G"	"C"	"T"	"G"	"T"	"G"	"T"	"T"	"T"	"G"	"A"	"G"
[3,] "A" [4,] "A"	"G" "G"	"C" "C"	"T" "T"	"G" "G"	"T" "T"	"G" "G"	"T" "T"	"T" "T"	"T" "T"	"G" "G"	"A" "A"	"G" "G"
[4,] "A" [5,] "A"	"G"	"C"	"T"	"G"	"T"	"G"	"T"	"T"	"T"	"G"	"A"	"G"
[6,] "A"	"G"	"C"	"T"	"G"	"T"	"G"	"T"	"T"	"T"	"G"	"A"	"G"
- /-	[,4038]	[,4039]	-	[,4041]	[,4042]	[,4043]	[,4044]	[,4045]		[,4047]	[,4048]	-
[1,] "T"	"T"	"T"	"C"	"T"	"G"	"G"	"C"	"T"	"G"	"A"	"A"	"A"
[2,] "T"	"T"	"T"	"C"	"T"	"G"	"G"	"C"	"T"	"G"	"A"	"A"	"A"
[3,] "T"	"T"	"T"	"C"	"T"	"G"	"G"	"C"	"T"	"G"	"A"	"A"	"A"
[4,] "T"	"T"	"T"	"C"	"T"	"G"	"G"	"C"	"T"	"G"	"A"	"A"	"A"
[5,] "T"	"T"	"T"	"C"	"T"	"G"	"G"	"C"	"T"	"G"	"A"	"A"	"A"
[6,] "T"	"T"	"T"	"C"	"T"	"G"	"G"	"C"	"T"	"G"	"A"	"A"	"A"
	[,4051]	[,4052]	[,4053]		[,4055]	[,4056]	[,4057]	[,4058]	[,4059]	[,4060]	[,4061]	
[1,] "A"	"T"	"G"	"G"	"T"	"G"	"A"	"A"	"G"	"A"	"A"	"T"	"G"
[2,] "A"	"T"	"G"	"G"	"T"	"G"	"A"	"A"	"G"	"A"	"A"	"T"	"G"
[3,] "A"	"T"	"G"	"G"	"T"	"G"	"A"	"A"	"G"	"A"	"A"	"T"	"G"
[4,] "A"	"T" "T"	"G"	"G" "G"	"T" "T"	"G" "G"	"A"	"A"	"G" "G"	"A"	"A"	"T"	"G"
[5,] "A" [6,] "A"	"T"	"G" "G"	"G"	"T"	"G"	"A" "A"	"A" "A"	"G"	"A" "A"	"A" "A"	"T" "T"	"G" "G"
[,4063]	-	[,4065]	-	[,4067]	[,4068]	[,4069]	[,4070]	[,4071]	[,4072]	[,4073]	[,4074]	-
[1,] "G"	"A"	"C"	"T"	"T"	"A"	"A"	"T"	"T"	"A"	"T"	"G"	"C"
[2,] "G"	"A"	"T"	"T"	"T"	"A"	"A"	"T"	"T"	"A"	"T"	"G"	"C"
[3,] "G"	"A"	"C"	"T"	"T"	"A"	"A"	"T"	"T"	"A"	"T"	"G"	"C"
[4,] "G"	"A"	"C"	"T"	"T"	"A"	"A"	"T"	"T"	"A"	"T"	"G"	"C"
[5,] "G"	"A"	"C"	"T"	"T"	"A"	"A"	"T"	"T"	"A"	"T"	"G"	"C"
[6,] "G"	"A"	"C"	"T"	"T"	"A"	"A"	"T"	"T"	"A"	"T"	"G"	"C"
[,4076]		[,4078]	[,4079]	[,4080]	[,4081]	[,4082]	[,4083]	[,4084]	[,4085]	[,4086]	[,4087]	[,4088]
[1,] "T"	"A"	"A"	"C"	"A"	"A"	"A"	"C"	"T"	"G"	"A"	"A"	"A"
[2,] "T"	"A"	"A"	"C"	"A"	"A"	"A"	"C"	"T"	"G"	"A"	"A"	"A"
[3,] "T"	"A"	"A"	"C"	"A"	"A"	"A"	"C"	"T"	"G"	"A"	"A"	"A"
[4,] "T"	"A"	"A"	"C"	"A"	"G"	"A"	"C"	"T"	"G"	"A"	"_"	"A"
[5,] "T" [6.] "T"	"A"	"A" "A"	"C" "C"	"A"	"G" "A"	"A"	"C" "C"	"T" "T"	"G" "G"	"A"	"_" "A"	"A"
L- / J	"A" [,4090]		[,4092]	"A" [,4093]		"A" [,4095]	[,4096]		"G" [,4098]	"A" [,4099]	"A" [,4100]	"A" [ /1017
[,4089] [1,] "A"	[,4090] "A"	[,4091] "T"	"C"	L,4095] "T"	[,4094] "A"	"G"	[,4096] "A"	[,4097] "C"	[,4098] "A"	[,4099] "T"	"A"	"G"
[2,] "A"	"A"	"T"	"C"	"T"	"A"	"G"	"A"	"C"	"A"	"T"	"A"	"G"
[3,] "A"	"A"	"T"	"C"	"T"	"A"	"G"	"A"	"C"	"A"	"T"	"A"	"G"
[4,] "A"	"A"	"T"	"C"	"T"	"A"	"G"	"A"	"C"	"A"	"T"	"A"	"C"
[5,] "A"	"A"	"T"	"C"	"T"	"A"	"G"	"A"	"C"	"A"	"T"	"A"	"C"
[6,] "A"	"A"	"T"	"C"	"T"	"A"	"G"	"A"	"C"	"A"	"T"	"A"	"G"
[,4102]	[,4103]	[,4104]	[,4105]	[,4106]	[,4107]	[,4108]	[,4109]	[,4110]	[,4111]	[,4112]	[,4113]	
[1,] "A"	"T"	"C"	"C"	"T"	"C"	"T"	"G"	"A"	"T"	"A"	"T"	"A"
[2,] "G"	"T"	"C"	"C"	"T"	"C"	"T"	"G"	"A"	"T"	"A"	"T"	"A"
[3,] "A"	"T"	"C"	"C"	"T"	"C"	"T"	"G"	"A"	"T"	"A"	"T"	"A"
[4,] "A"	"T"	"C"	"C"	"T"	"C"	"T"	"G"	"A"	"T"	"A"	"T"	"A"
[5,] "A"	"T"	"C"	"C"	"T"	"C"	"T"	"G"	"A"	"T"	"A"	"T"	"A"
	HT"											
[6,] "A"	"T"	"C"	"C"	"T"	"C"	"T"	"G"	"A"	"T"	"A"	"T"	"A"

F 411F	F 41167	F 41177	F 41107	F 41107	F 41207	Г 41217	Г 41227	Г 41227	Г 41247	F 412F7	F 41267	Г 41277
[,4115] [1,] "C"	[,4116] "A"	[,4117] "A"	"T"	"T"	"A"	"G"	[,4122] "A"	"G"	L,4124]	"T"	"A"	L,4127] "T"
[2,] "C"	"A"	"A"	"T"	"T"	"A"	"G"	"A"	"G"	"A"	"T"	"A"	"T"
[3,] "C"	"A"	"A"	"T"	"T"	"A"	"G"	"A"	"G"	"A"	"T"	"A"	"T"
[4,] "C"	"A"	"A"	"T"	"T"	"A"	"G"	"A"	"G"	"A"	"T"	"A"	"T"
[5,] "C" [6,] "C"	"A" "A"	"A" "A"	"T" "T"	"T" "T"	"A" "A"	"G" "G"	"A" "A"	"G" "G"	"A" "A"	"T" "T"	"A" "A"	"T" "T"
	[,4129]	[,4130]	Γ,41317		[,4133]	[,4134]	[,4135]	[,4136]	[,4137]	[,4138]	Γ,41397	
[1,] "T"	"T"	"T"	"T"	"A"	"T"	"A"	"T"	"A"	"G"	"A"	"C"	"C"
[2,] "T"	"T"	"T"	"T"	"A"	"T"	"A"	"T"	"A"	"G"	"A"	"C"	"C"
[3,] "T"	"T"	"T"	"T"	"A"	"T"	"A"	"T"	"A"	"G"	"A"	"C"	"C"
[4,] "T"	"T"	"T"	"T"	"G"	"T"	"A"	"T"	"A"	"G"	"A"	"C"	"C"
[5,] "T" [6,] "T"	"T" "T"	"T" "T"	"T" "T"	"A" "A"	"T" "T"	"A" "A"	"T" "T"	"A" "A"	"G" "G"	"A" "A"	"C" "C"	"C" "C"
[,4141]		[,4143]	[,4144]	[,4145]	[,4146]	[,4147]	[,4148]	[,4149]	[,4150]	[,4151]	[,4152]	[,4153]
[1,] "C"	"C"	"A"	"A"	"G"	"C"	"A"	"T"	"T"	"C"	"T"	"G"	"T"
[2,] "C"	"C"	"A"	"A"	"G"	"C"	"A"	"T"	"T"	"C"	"T"	"G"	"T"
[3,] "C"	"C"	"A"	"A"	"G"	"C"	"A"	"T"	"T"	"C"	"T"	"G"	"T"
[4,] "C"	"C" "C"	"A" "A"	"A" "A"	"G" "G"	"C" "C"	"A"	"T"	"T" "T"	"C" "C"	"T" "T"	"G" "G"	"T" "T"
[5,] "C" [6,] "C"	"C"	"A"	"A"	"G"	"C"	"A" "A"	"T" "T"	"T"	"C"	"T"	"G"	"T"
- /-	[,4155]	[,4156]	[,4157]	[,4158]	[,4159]	[,4160]	[,4161]	[,4162]	[,4163]	[,4164]	[,4165]	[,4166]
[1,] "G"	"C"	"A"	"T"	"A"	"A"	"A"	"A"	"G"	"T"	"T"	"A"	"A"
[2,] "G"	"T"	"A"	"T"	"A"	"A"	"A"	"A"	"G"	"T"	"T"	"A"	"A"
[3,] "G"	"T"	"A"	"T"	"A"	"A"	"A"	"A"	"G"	"T"	"T"	"A"	"A"
[4,] "G" [5,] "G"	"T" "T"	"A" "A"	"T" "T"	"A" "A"	"A" "A"	"A" "A"	"A" "A"	"G" "G"	"T" "T"	"T" "T"	"A" "A"	"A" "A"
[6,] "G"	"T"	"A"	"T"	"A"	"A"	"A"	"A"	"G"	"T"	"T"	"A"	"A"
[,4167]		[,4169]		[,4171]	[,4172]	[,4173]	[,4174]	[,4175]	[,4176]	[,4177]	[,4178]	[,4179]
[1,] "C"	"A"	"T"	"T"	"A"	"G"	"G"	"C"	"T"	"G"	"T"	"G"	"G"
[2,] "C"	"A"	"T"	"T"	"A"	"G"	"G"	"C"	"T"	"G"	"T"	"G"	"G"
[3,] "C" [4,] "C"	"A" "A"	"T" "T"	"T" "T"	"A" "A"	"G" "G"	"G" "G"	"C" "C"	"C" "T"	"G" "G"	"T" "T"	"G" "G"	"G" "G"
[4,] "C" [5,] "C"	Α "Δ"	"T"	т "Т"	"A"	"G"	"G"	"C"	т "Т"	"G"	"T"	"G"	"G"
[6,] "C"	"A"	"T"	"T"	"A"	"G"	"G"	"C"	"C"	"G"	"T"	"G"	"G"
[,4180]	[,4181]	[,4182]	[,4183]	[,4184]	[,4185]	[,4186]	[,4187]	[,4188]	[,4189]	[,4190]	[,4191]	[,4192]
[1,] "T"	"G"	"C"	"A"	"G"	"T"	"A"	"A"	"C"	"C"	"A"	"T"	"T"
[2,] "T"	"G"	"C"	"A"	"G"	"T"	"A"	"A"	"C"	"C"	"A"	"T"	"T"
[3,] "T" [4,] "T"	"G" "G"	"C" "G"	"A" "A"	"G" "G"	"T" "T"	"A" "A"	"A" "A"	"C" "C"	"C" "C"	"A" "A"	"T" "T"	"T" "T"
[5,] "T"	"G"	"C"	"A"	"G"	"T"	"A"	"A"	"C"	"C"	"A"	"T"	"T"
[6,] "T"	"G"	"C"	"A"	"G"	"T"	"A"	"A"	"C"	"C"	"A"	"T"	"T"
[,4193]	[,4194]	[,4195]	[,4196]	[,4197]	[,4198]	[,4199]	[,4200]	[,4201]		[,4203]	[,4204]	[,4205]
[1,] "T"	"A"	"A"	"T"	"G"	"T"	"C"	"G"	"A"	"G"	"G"	"C"	"T"
[2,] "T" [3.] "T"	"A" "A"	"A" "A"	"T" "T"	"G"	"T" "T"	"C" "C"	"G" "G"	"A" "A"	"G" "G"	"G" "G"	"C" "C"	"T" "T"
[3,] "T" [4,] "T"	"A"	Α "Α"	т "Т"	"G" "G"	"T"	"C"	"G"	А "Т"	"G"	"G"	"C"	"T"
[5,] "T"	"A"	"A"	"T"	"G"	"T"	"C"	"G"	"A"	"A"	"G"	"C"	"T"
[6,] "T"	"A"	"A"	"T"	"G"	"T"	"C"	"G"	"A"	"G"	"G"	"C"	"T"
	[,4207]	[,4208]	[,4209]	[,4210]	[,4211]	[,4212]	[,4213]	[,4214]	[,4215]	[,4216]	[,4217]	
[1,] "C"	"T"	"A"	"T"	"T"	"T"	"C"	"G"	"G"	"A"	"A"	"A"	"T"
[2,] "C" [3,] "C"	"T" "T"	"A" "A"	"T" "T"	"T" "T"	"T" "T"	"C" "T"	"G" "G"	"G" "G"	"A" "A"	"A" "A"	"A" "A"	"T" "T"
[4,] "C"	"T"	"A"	"T"	"T"	"T"	"G"	"G"	"G"	"A"	"A"	"A"	"T"
[5,] "C"	"T"	"A"	"T"	"T"	"T"	"G"	"G"	"G"	"A"	"A"	"A"	"T"
[6,] "C"	"T"	"A"	"T"	"T"	"T"	"T"	"G"	"G"	"A"	"A"	"A"	"T"
[,4219]		[,4221]	[,4222]		[,4224]	[,4225]	[,4226]	[,4227]	[,4228]	[,4229]	[,4230]	
[1,] "A" [2,] "A"	"C" "C"	"Α" "Α"	"C" "C"	"T" "T"	"A" "A"	"C" "C"	"A" "A"	"A" "A"	"A" "A"	"T" "T"	"G" "G"	"T" "T"
[3,] "A"	"C"	"A"	"C"	"T"	"A"	"C"	"A"	"A"	"A"	"T"	"G"	"T"
[4,] "A"	"C"	"A"	"C"	"T"	"A"	"C"	"A"	"A"	"A"	"C"	"G"	"T"
[5,] "A"	"C"	"A"	"C"	"T"	"A"	"C"	"A"	"A"	"A"	"T"	"G"	"T"
[6,] "A"	"C"	"A"	"C"	"T"	"A"	"C"	"A"	"A"	"A"	"T"	"G"	"T"
	[,4233] "A"	[,4234] "A"	[,4235] "A"	[,4236] "G"	[,4237] "T"	[,4238] "A"	[,4239] "C"	[,4240] "G"	[,4241] "T"	[,4242] "G"	[,4243] "G"	[,4244] "C"
[1,] "T" [2,] "T"	"A"	"A"	"A"	"G"	"T"	"A"	"C"	"G"	"T"	"G"	"A"	"C"
[3,] "T"	"A"	"A"	"A"	"G"	"T"	"A"	"C"	"G"	"T"	"G"	"G"	"C"
[4,] "T"	"A"	"A"	"A"	"G"	"T"	"A"	"C"	"G"	"T"	"G"	"G"	"C"
[5,] "T"	"A"	"A"	"A"	"G"	"T"	"A"	"C"	"G"	"T"	"G"	"G"	"C"
[6,] "T"	"A" 5 42467	"A"	"A"	"G"	"T"	"A"	"C"	"G"	"T"	"G"	"G"	"(" [ 4257]
[,4245] [1,] "T"	[,4246] "G"	[,4247] "T"	[,4248] "C"	[,4249] "C"	[,4250] "T"	[,4251] "C"	[,4252] "T"	[,4253] "T"	[,4254] "A"	[,4255] "A"	[,4256] "G"	[,425/] "A"
[2,] "T"	"G"	"T"	"C"	"C"	"T"	"C"	"T"	"T"	"A"	"A"	"G"	"A"
[3,] "T"	"G"	"T"	"C"	"C"	"T"	"C"	"T"	"T"	"A"	"A"	"G"	"A"
[4,] "T"	"G"	"T"	"C"	"A"	"T"	"C"	"T"	"T"	"A"	"A"	"G"	"A"
		-										
[5,] "T"	"G"	"T"	"C"	"A"	"T"	"C"	"T"	"T"	"A"	"A"	"G"	"A"

[6,]	"T"	"G"	"T"	"C"	"C"	"T"	"C"	"T"	"T"	"A"	"A"	"G"	"A"
[0,]			[,4260]	-	-	[,4263]	-	•	-		[,4268]	-	[,4270]
[1,]	"C"	"A"	"C"	"T"	"A"	"G"	"T"	"A"	"G"	"A"	"G"	"C"	"A"
[2,]	"C"	"A"	"C"	"T"	"A"	"G"	"T"	"A"	"G"	"A"	"G"	"C"	"A"
[3,]	"C"	"A"	"C"	"T" "T"	"A"	"G"	"T" "T"	"A"	"G"	"A"	"G"	"C"	"A"
[4,] [5,]	"C" "C"	"A" "A"	"C" "C"	"T"	"A" "A"	"G" "G"	"T"	"A" "A"	"G" "G"	"A" "A"	"G" "G"	"C" "C"	"A" "A"
[6,]		"A"	"C"	"T"	"A"	"G"	"T"	"A"	"G"	"A"	"G"	"C"	"A"
L°,1	[,4271]			[,4274]			[,4277]		[,4279]		[,4281]	-	[,4283]
[1,]	"Á"	"A"	"Ğ"	"A"	"Ć"	"T"	"Ť"	"Á"	"A"	"Ť"	"Ć"	"Å"	"Ť"
[2,]	"A"	"A"	"G"	"A"	"C"	"T"	"T"	"A"	"A"	"T"	"C"	"A"	"T"
[3,]	"A"	"A"	"G"	"A"	"C"	"T"	"T"	"A"	"A"	"T"	"C"	"A"	"T"
[4,] [5,]	"A" "A"	"A" "A"	"G" "G"	"A" "A"	"C" "C"	"T" "T"	"T" "T"	"A" "A"	"A" "A"	"T" "T"	"C" "C"	"A" "A"	"T" "T"
[6,]		"A"	"G"	"A"	"C"	"T"	"T"	"A"	"A"	"T"	"C"	"A"	"T"
L°,1		[,4285]				-	•	Γ,42917		Γ,42937	-		[,4296]
[1,]	"A"	"T"	"C"	"A"	"A"	"C"	"Ť"	"T"	"A"	"A"	"T"	"T"	"C"
[2,]	"A"	"T"	"C"	"A"	"A"	"C"	"T"	"T"	"A"	"A"	"T"	"T"	"C"
[3,]	"A"	"T"	"C"	"A"	"A"	"C"	"T"	"T"	"A"	"A"	"T"	"T"	"C"
[4,] [5,]	"A" "A"	"T" "T"	"C" "C"	"A" "A"	"A" "A"	"C" "C"	"T" "T"	"T" "T"	"A" "A"	"A" "A"	"T" "T"	"T" "T"	"C" "C"
[6,]		"T"	"C"	"A"	"A"	"C"	"T"	"T"	"A"	"A"	"T"	"T"	"C"
L-,_		[,4298]		[,4300]			[,4303]	[,4304]	[,4305]	[,4306]	[,4307]	[,4308]	[,4309]
[1,]	"T"	"G"	"T"	"T"	"A"	"C"	"A"	"C"	"A"	"A"	"T"	"A"	"T"
[2,]	"T"	"G"	"T"	"T"	"A"	"C"	"A"	"C"	"A"	"A"	"T"	"A"	"T"
[3,]	"T" "T"	"G" "G"	"T" "T"	"T" "T"	"A" "A"	"C" "C"	"A" "A"	"C" "C"	"A" "A"	"A" "A"	"T" "T"	"A" "G"	"T" "T"
[4,] [5,]	"T"	"G"	"T"	"T"	"A"	"C"	"A"	"C"	"A"	"A"	"T"	"G"	"T"
[6,]	"T"	"G"	"T"	"T"	"A"	"C"	"A"	"C"	"A"	"A"	"T"	"A"	"T"
_ /_	[,4310]	[,4311]	[,4312]	[,4313]	[,4314]	[,4315]	[,4316]	[,4317]	[,4318]	[,4319]	[,4320]	[,4321]	[,4322]
[1,]	"G"	"T"	"G"	"T"	"T"	"T"	"T"	"T"	"T"	"A"	"A"	"T"	"A"
[2,]	"G"	"T"	"G"	"T"	"T"	"T"	"T"	"T"	"T"	"A"	"A"	"T"	"A"
[3,]	"G" "C"	"T" "T"	"G" "G"	"T" "T"	"T" "T"	"T" "T"	"T" "T"	"T" "T"	"T" "T"	"A" "A"	"A" "A"	"T" "T"	"A" "A"
[4,] [5,]	"G" "A"	"T"	"G"	т "Т"	"T"	"T"	т "Т"	"T"	т "Т"	Α "Δ"	"A"	"T"	"A"
[6,]	"G"	"T"	"G"	"T"	"T"	"T"	"T"	"T"	"T"	"A"	"A"	"T"	"A"
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[2,]	"T"	"A"	"C"	"T"	"A"	"A"	"C"	"C"	"A"	"T"	"T"	"T"	"C"
[3,]	"T" "T"	"A" "A"	"C" "C"	"T" "T"	"A" "A"	"A" "A"	"C" "C"	"C" "C"	"A" "A"	"T" "T"	"T" "T"	"T" "T"	"C" "C"
[4,] [5,]	"T"	"A"	"C"	"T"	"A"	"A"	"C"	"C"	"A"	"T"	"T"	"T"	"T"
[6,]	"T"	"A"	"C"	"T"	"A"	"A"	"C"	"C"	"A"	"T"	"T"	"T"	"C"
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[2,]	"T"	"T"	"A"	"T"	"G"	"G"	"A"	"A"	"A"	"G"	"G"	"T"	"C"
[3,] [4,]	"T" "T"	"T" "T"	"A" "A"	"T" "T"	"G" "G"	"G" "G"	"A" "A"	"A" "A"	"A" "A"	"G" "G"	"G" "G"	"T" "T"	"C" "C"
[5,]	"T"	"T"	"A"	"T"	"G"	"G"	"A"	"A"	"A"	"G"	"G"	"T"	"C"
[6,]	"T"	"T"	"A"	"T"	"G"	"G"	"A"	"A"	"A"	"G"	"G"	"T"	"C"
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[1,]	"C"	"T"	"G"	"T"	"G"	"G"	"G"	"G"	"A"	"G"	"C"	"C"	"C"
[2,]	"C" "C"	"T" "T"	"G" "G"	"T" "T"	"G" "G"	"G" "G"	"G" "G"	"G" "G"	"A" "A"	"G" "G"	"C" "C"	"C" "C"	"C" "C"
[3,] [4,]	"C"	"T"	"G"	"T"	"G"	"G"	"G"	"G"	"A"	"G"	"C"	"C"	"C"
[5,]		"T"	"G"	"T"	"G"	"G"	"G"	"G"	"A"	"G"	"C"	"C"	"C"
[6,]	"C"	"T"	"G"	"T"	"G"	"G"	"G"	"G"	"A"	"G"	"C"	"C"	"C"
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[2,] [3,]	"A" "A"	"T" "T"	"C" "C"	"C" "C"	"T" "T"	"C" "C"	"T" "T"	"C" "C"	"G" "G"	"C" "C"	"C" "C"	"A" "A"	"A" "A"
[4,]	"A"	"T"	"C"	"C"	"T"	"C"	"T"	"C"	"G"	"C"	"C"	"A"	"A"
[5,]		"T"	"C"	"C"	"T"	"C"	"T"	"C"	"G"	"C"	"C"	"A"	"A"
[6,]		"T"	"C"	"C"	"T"	"C"	"T"	"C"	"G"	"C"	"C"	"A"	"A"
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[2,] [3,]	"G" "G"	"C"	"C"	"A" "A"	"T"	"C"	"A"	"C" "C"	"A" "A"	"G"	"G"	"C"	"T"
[4,]	"G"	"C"	"C"	"A"	"T"	"C"	"A"	"C"	"A"	"G"	"G"	"C"	"T"
[5,]	"G"	"C"	"C"	"A"	"T"	"C"	"A"	"C"	"A"	"G"	"G"	"C"	"T"
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[2,] [3,]	"C" "C"	"T"	"G"	"C"	"A"	"T"	"A"	"C"	"A"	"C"	"A"	"T"	"G" "G"
[4,]		"T"	"G"	"C"	"A"	"T"	"A"	"C"	"A"	"C"	"A"	"T"	"G"
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> # Compute the SFS
> SFS <- compute_SFS(alignment)</pre>
> # Output the SFS
> print(SFS)
[1] 290 32 298 260 3602
> # The function for computeing TajimasD values
> TajimasD <- function(sfs){</pre>
       #For the computed SFS
       n \leftarrow length(sfs) + 1
       ss <- sum(sfs)
       a1 <- sum(1 / seq_len(n-1))
a2 <- sum(1 / seq_len(n-1)^2)</pre>
       b1 <- (n + 1) / (3 * (n - 1))
       b2 \leftarrow 2 * (n^2 + n + 3)/(9 * n * (n - 1))
       c1 <- b1 - 1/a1
       c2 \leftarrow b2 - (n + 2)/(a1 * n) + a2 / a1^2
       e1 <- c1 / a1
       e2 <- c2 / (a1^2 + a2)
       Vd <- e1 * ss + e2 * ss * (ss - 1)
       theta_pi <- sum(2 * seq_len(n-1) * (n - seq_len(n-1)) * sfs)/(n*(n-1))
       theta_w <- ss / a1
       res <- (theta_pi - theta_w) / sqrt(Vd)
       return(res)
+ }
```

```
> #Compute TajimaD
> TajimasD(SFS)
[1] -1.099526
> >
```