

[illegible]

	[,21]	[,22]	[,23]	[,24]	[,25]	[,26]	[,27]	[,28]	[,29]	[,30]	[,31]	[,32]	[,33]	[,34]	[,35]	[,36]	[,37]	[,38]
[1,]	"C"	"G"	"A"	"C"	"G"	"A"	"A"	"A"	"A"	"T"	"A"	"G"	"A"	"G"	"A"	"G"	"G"	"G"
[2,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[3,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[4,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[5,]	"C"	"G"	"A"	"C"	"G"	"A"	"A"	"A"	"A"	"T"	"A"	"G"	"A"	"G"	"A"	"G"	"G"	"G"
[6,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
	[,39]	[,40]	[,41]	[,42]	[,43]	[,44]	[,45]	[,46]	[,47]	[,48]	[,49]	[,50]	[,51]	[,52]	[,53]	[,54]	[,55]	[,56]
[1,]	"A"	"T"	"C"	"G"	"C"	"C"	"T"	"G"	"C"	"A"	"A"	"A"	"T"	"C"	"C"	"C"	"C"	"A"
[2,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[3,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[4,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[5,]	"A"	"T"	"C"	"G"	"C"	"C"	"T"	"G"	"C"	"A"	"A"	"A"	"T"	"C"	"C"	"C"	"C"	"A"
[6,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
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[1,]	"G"	"C"	"T"	"G"	"C"	"G"	"G"	"C"	"G"	"G"	"G"	"G"	"C"	"T"	"A"	"A"	"A"	"C"
[2,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[3,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[4,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[5,]	"G"	"C"	"T"	"C"	"C"	"G"	"G"	"C"	"G"	"G"	"G"	"G"	"C"	"T"	"A"	"A"	"A"	"C"
[6,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
	[,75]	[,76]	[,77]	[,78]	[,79]	[,80]	[,81]	[,82]	[,83]	[,84]	[,85]	[,86]	[,87]	[,88]	[,89]	[,90]	[,91]	[,92]
[1,]	"C"	"T"	"T"	"G"	"C"	"A"	"A"	"T"	"C"	"C"	"C"	"T"	"C"	"C"	"C"	"T"	"G"	"G"
[2,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[3,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[4,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[5,]	"C"	"T"	"T"	"G"	"C"	"A"	"A"	"T"	"C"	"C"	"C"	"T"	"C"	"C"	"C"	"C"	"G"	"G"
[6,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
	[,93]	[,94]	[,95]	[,96]	[,97]	[,98]	[,99]	[,100]	[,101]	[,102]	[,103]	[,104]	[,105]	[,106]	[,107]	[,108]		
[1,]	"C"	"C"	"G"	"G"	"C"	"G"	"C"	"C"	"G"	"A"	"G"	"C"	"C"	"A"	"G"	"A"		
[2,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"		
[3,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"		
[4,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"		
[5,]	"C"	"																

[6,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[1,]	[,199]	[,200]	[,201]	[,202]	[,203]	[,204]	[,205]	[,206]	[,207]	[,208]	[,209]	[,210]	[,211]	[,212]	[,213]	
[2,]	"G"	"C"	"C"	"A"	"C"	"T"	"C"	"G"	"C"	"C"	"G"	"C"	"G"	"C"	"C"	
[3,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	
[4,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	
[5,]	"G"	"C"	"C"	"A"	"C"	"T"	"C"	"G"	"C"	"C"	"G"	"C"	"G"	"C"	"C"	
[6,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	
[1,]	[,214]	[,215]	[,216]	[,217]	[,218]	[,219]	[,220]	[,221]	[,222]	[,223]	[,224]	[,225]	[,226]	[,227]	[,228]	
[2,]	"C"	"G"	"C"	"G"	"A"	"G"	"C"	"C"	"C"	"C"	"G"	"C"	"A"	"G"	"C"	
[3,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	
[4,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	
[5,]	"C"	"G"	"C"	"G"	"A"	"G"	"C"	"C"	"C"	"C"	"G"	"C"	"A"	"G"	"C"	
[6,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	
[1,]	[,229]	[,230]	[,231]	[,232]	[,233]	[,234]	[,235]	[,236]	[,237]	[,238]	[,239]	[,240]	[,241]	[,242]	[,243]	
[2,]	"A"	"A"	"A"	"G"	"C"	"A"	"C"	"A"	"G"	"G"	"T"	"G"	"G"	"C"	"A"	
[3,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	
[4,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	
[5,]	"A"	"A"	"A"	"G"	"C"	"A"	"C"	"A"	"G"	"G"	"T"	"G"	"G"	"C"	"A"	
[6,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	
[1,]	[,244]	[,245]	[,246]	[,247]	[,248]	[,249]	[,250]	[,251]	[,252]	[,253]	[,254]	[,255]	[,256]	[,257]	[,258]	
[2,]	"G"	"C"	"G"	"G"	"C"	"T"	"G"	"C"	"A"	"G"	"G"	"G"	"G"	"C"	"G"	
[3,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	
[4,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	
[5,]	"G"	"C"	"G"	"G"	"C"	"T"	"G"	"C"	"A"	"G"	"G"	"G"	"G"	"C"	"G"	
[6,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	
[1,]	[,259]	[,260]	[,261]	[,262]	[,263]	[,264]	[,265]	[,266]	[,267]	[,268]	[,269]	[,270]	[,271]	[,272]	[,273]	
[2,]	"C"	"A"	"T"	"C"	"G"	"C"	"C"	"G"	"G"	"C"	"G"	"T"	"G"	"C"	"C"	
[3,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	
[4,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	
[5,]	"C"	"A"	"T"	"C"	"G"	"C"	"C"	"G"	"G"	"C"	"G"	"T"	"G"	"C"	"G"	
[6,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	
[1,]	[,274]	[,275]	[,276]	[,277]	[,278]	[,279]	[,280]	[,281]	[,282]	[,283]	[,284]	[,285]	[,286]	[,287]	[,288]	
[2,]	"C"	"C"	"C"	"T"	"C"	"C"	"T"	"G"	"C"	"A"	"G"	"C"	"C"	"C"	"C"	
[3,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	
[4,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	
[5,]	"C"	"C"	"C"	"T"	"C"	"C"	"T"	"G"	"C"	"A"	"G"	"C"	"C"	"C"	"T"	
[6,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	
[1,]	[,289]	[,290]	[,291]	[,292]	[,293]	[,294]	[,295]	[,296]								

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[4,] "-" "-" "-" "-" "-" "-" "-" "-" "-" "-" "-" "-" "-" "-" "-"
[5,] "C" "T" "T" "C" "G" "C" "G" "C" "T" "C" "A" "C" "C" "C" "C"
[6,] "-" "-" "-" "-" "A" "A" "T" "C" "T" "C" "T" "G" "A" "C" "C"
[1,] [,529] [,530] [,531] [,532] [,533] [,534] [,535] [,536] [,537] [,538] [,539] [,540] [,541] [,542] [,543]
[2,] "G" "G" "C" "G" "T" "C" "C" "C" "C" "T" "G" "T" "C" "C" "C"
[3,] "-" "-" "-" "-" "-" "-" "-" "-" "-" "-" "-" "-" "-" "-" "-"
[4,] "-" "-" "-" "-" "-" "-" "-" "-" "-" "-" "-" "-" "-" "-" "-"
[5,] "G" "G" "C" "G" "T" "C" "C" "G" "C" "T" "T" "T" "C" "T" "C"
[6,] "A" "T" "C" "T" "T" "C" "C" "C" "C" "C" "C" "C" "C" "C" "A"
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[2,] "C" "C" "T" "G" "A" "C" "A" "T" "A" "G" "G" "T" "G" "T" "G"
[3,] "-" "-" "-" "-" "-" "-" "-" "-" "-" "-" "-" "-" "-" "-" "-"
[4,] "-" "-" "-" "-" "-" "-" "-" "-" "-" "-" "-" "-" "-" "-" "-"
[5,] "C" "C" "T" "C" "G" "C" "C" "C" "A" "C" "A" "G" "C" "T" "G"
[6,] "G" "T" "A" "C" "C" "T" "C" "T" "C" "C" "A" "G" "A" "T" "C" "C"
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[2,] "C" "C" "G" "A" "G" "T" "G" "T" "G" "C" "C" "A" "A" "A" "A"
[3,] "-" "-" "-" "-" "-" "-" "-" "-" "-" "-" "-" "-" "-" "-" "-"
[4,] "-" "-" "-" "-" "-" "-" "-" "-" "-" "-" "-" "-" "-" "-" "-"
[5,] "C" "C" "G" "G" "A" "T" "A" "G" "T" "G" "C" "T" "G" "A" "A"
[6,] "C" "T" "G" "A" "A" "-" "G" "C" "C" "C" "T" "G" "G" "G" "G"
[1,] [,574] [,575] [,576] [,577] [,578] [,579] [,580] [,581] [,582] [,583] [,584] [,585] [,586] [,587] [,588]
[2,] "G" "A" "G" "G" "A" "G" "G" "G" "G" "C" "G" "T" "G" "T" "C"
[3,] "-" "-" "-" "-" "-" "A" "T" "G" "G" "A" "A" "A" "A" "A" "A"
[4,] "-" "-" "-" "-" "-" "-" "T" "G" "G" "A" "A" "A" "A" "A" "A"
[5,] "G" "A" "G" "G" "A" "G" "G" "G" "G" "C" "G" "T" "T" "C" "C"
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[2,] "C" "C" "A" "A" "A" "A" "A" "A" "A" "A" "A" "A" "A" "A"
[3,] "A" "G" "G" "C" "T" "A" "A" "G" "A" "C" "T" "G" "A" "A" "G"
[4,] "A" "T" "C" "C" "C" "A" "C" "C" "G" "C" "A" "G" "C" "A" "T"
[5,] "C" "C" "C" "A" "G" "A" "C" "C" "A" "T" "G" "G" "C" "A" "T"
[6,] "T" "T" "A" "G" "A" "T" "G" "T" "C" "A" "G" "C" "A" "G" "T"
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[2,] "C" "T" "G" "A" "T" "A" "A" "A" "A" "A" "A" "A" "A" "A" "A"
[3,] "G" "A" "A" "A" "T" "T" "A" "T" "G" "G" "T" "G" "C" "C" "A"
[4,] "C" "A" "G" "A" "A" "A" "A" "A" "A" "A" "A" "A" "A" "A"
[5,] "C" "T" "A" "C" "G" "G" "A" "A" "G" "G" "T" "G" "C" "C" "A"
[6,] "G" "G" "A" "A" "G" "G" "A" "C" "A" "G" "T" "G" "C" "C" "A"
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[2,] "A" "C" "A" "A" "T" "A" "T" "G" "C" "C" "C" "A" "A" "G" "C"
[3,] "A" "C" "A" "A" "T" "A" "T" "G" "C" "C" "C" "A" "A" "G" "C"
[4,] "A" "C" "A" "A" "T" "A" "T" "G" "C" "C" "C" "A" "A" "G" "C"
[5,] "A" "C" "A" "A" "T" "A" "T" "G" "C" "C" "C" "A" "A" "G" "C"
[6,] "A" "C" "A" "A" "T" "A" "T" "G" "C" "C" "C" "A" "A" "G" "C"
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[2,] "A" "G" "G" "T" "G" "G" "A" "A" "G" "T" "G" "C" "G" "A" "A"
[3,] "A" "G" "G" "T" "G" "G" "A" "A" "G" "T" "G" "C" "G" "A" "A"
[4,] "A" "G" "G" "T" "G" "G" "A" "A" "G" "T" "G" "C" "G" "A" "A"
[5,] "A" "G" "G" "T" "G" "G" "A" "A" "G" "T" "G" "C" "G" "A" "A"
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[3,] "T" "G" "C" "A" "C" "G" "A" "C" "A" "G" "T" "C" "A" "C" "C"
[4,] "T" "G" "C" "A" "C" "G" "A" "C" "A" "G" "T" "C" "A" "C" "C"
[5,] "T" "G" "C" "A" "C" "G" "A" "C" "A" "G" "T" "C" "A" "C" "C"
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[3,] "T" "C" "A" "G" "C" "T" "C" "G" "G" "A" "G" "G" "A" "A" "C"
[4,] "T" "T" "G" "G" "C" "T" "C" "G" "G" "A" "G" "G" "A" "A" "C"
[5,] "T" "T" "G" "G" "C" "T" "C" "G" "G" "A" "G" "G" "A" "A" "C"
[6,] "T" "C" "G" "G" "C" "T" "C" "G" "G" "A" "G" "G" "A" "A" "C"
[1,] [,679] [,680] [,681] [,682] [,683] [,684] [,685] [,686] [,687] [,688] [,689] [,690] [,691] [,692] [,693]
[2,] "C" "C" "A" "A" "G" "C" "A" "C" "C" "G" "G" "C" "A" "C" "C"

[3,]	"C"	"C"	"A"	"A"	"G"	"C"	"A"	"C"	"C"	"G"	"G"	"C"	"A"	"C"	"C"
[4,]	"C"	"C"	"A"	"A"	"G"	"C"	"A"	"C"	"C"	"G"	"G"	"C"	"A"	"C"	"C"
[5,]	"C"	"C"	"A"	"A"	"G"	"C"	"A"	"C"	"C"	"G"	"G"	"C"	"A"	"C"	"C"
[6,]	"C"	"C"	"A"	"A"	"G"	"C"	"A"	"C"	"C"	"G"	"G"	"C"	"A"	"C"	"C"
[1,]	[,694]	[,695]	[,696]	[,697]	[,698]	[,699]	[,700]	[,701]	[,702]	[,703]	[,704]	[,705]	[,706]	[,707]	[,708]
[2,]	"T"	"G"	"G"	"G"	"C"	"C"	"T"	"G"	"C"	"G"	"C"	"C"	"T"	"G"	"T"
[3,]	"T"	"G"	"G"	"G"	"C"	"C"	"T"	"G"	"C"	"G"	"C"	"C"	"T"	"G"	"T"
[4,]	"T"	"G"	"G"	"G"	"C"	"C"	"T"	"G"	"C"	"G"	"C"	"C"	"T"	"G"	"T"
[5,]	"T"	"G"	"G"	"G"	"C"	"C"	"T"	"G"	"C"	"G"	"C"	"C"	"T"	"G"	"T"
[6,]	"T"	"C"	"G"	"G"	"C"	"C"	"T"	"G"	"C"	"G"	"C"	"C"	"T"	"G"	"T"
[1,]	[,709]	[,710]	[,711]	[,712]	[,713]	[,714]	[,715]	[,716]	[,717]	[,718]	[,719]	[,720]	[,721]	[,722]	[,723]
[2,]	"G"	"T"	"G"	"A"	"C"	"A"	"A"	"G"	"C"	"T"	"G"	"G"	"G"	"G"	"A"
[3,]	"G"	"T"	"G"	"A"	"C"	"A"	"A"	"G"	"C"	"T"	"G"	"G"	"G"	"G"	"A"
[4,]	"G"	"T"	"G"	"A"	"C"	"A"	"A"	"G"	"C"	"T"	"G"	"G"	"G"	"G"	"A"
[5,]	"G"	"T"	"G"	"A"	"C"	"A"	"A"	"G"	"C"	"T"	"G"	"G"	"G"	"G"	"A"
[6,]	"G"	"T"	"G"	"A"	"C"	"A"	"A"	"G"	"C"	"T"	"G"	"G"	"G"	"G"	"A"
[1,]	[,724]	[,725]	[,726]	[,727]	[,728]	[,729]	[,730]	[,731]	[,732]	[,733]	[,734]	[,735]	[,736]	[,737]	[,738]
[2,]	"A"	"G"	"A"	"A"	"T"	"C"	"T"	"G"	"C"	"T"	"G"	"C"	"T"	"C"	"A"
[3,]	"A"	"G"	"A"	"A"	"T"	"C"	"T"	"G"	"C"	"T"	"G"	"C"	"T"	"C"	"A"
[4,]	"A"	"G"	"A"	"A"	"T"	"C"	"T"	"G"	"C"	"T"	"G"	"C"	"T"	"C"	"A"
[5,]	"A"	"G"	"A"	"A"	"T"	"C"	"T"	"G"	"C"	"T"	"G"	"C"	"T"	"C"	"A"
[6,]	"A"	"G"	"A"	"A"	"T"	"C"	"T"	"G"	"C"	"T"	"G"	"C"	"T"	"C"	"A"
[1,]	[,739]	[,740]	[,741]	[,742]	[,743]	[,744]	[,745]	[,746]	[,747]	[,748]	[,749]	[,750]	[,751]	[,752]	[,753]
[2,]	"C"	"C"	"C"	"T"	"G"	"A"	"C"	"G"	"G"	"T"	"G"	"T"	"T"	"T"	"G"
[3,]	"C"	"C"	"C"	"T"	"G"	"A"	"C"	"G"	"G"	"T"	"G"	"T"	"T"	"T"	"G"
[4,]	"C"	"C"	"C"	"T"	"G"	"A"	"C"	"G"	"G"	"T"	"G"	"T"	"T"	"T"	"G"
[5,]	"C"	"C"	"C"	"T"	"G"	"A"	"C"	"G"	"G"	"T"	"G"	"T"	"T"	"T"	"G"
[6,]	"C"	"C"	"C"	"T"	"G"	"A"	"C"	"G"	"G"	"T"	"G"	"T"	"T"	"T"	"G"
[1,]	[,754]	[,755]	[,756]	[,757]	[,758]	[,759]	[,760]	[,761]	[,762]	[,763]	[,764]	[,765]	[,766]	[,767]	[,768]
[2,]	"G"	"T"	"G"	"T"	"C"	"A"	"T"	"C"	"C"	"T"	"G"	"G"	"G"	"A"	"G"
[3,]	"G"	"T"	"G"	"T"	"C"	"A"	"T"	"C"	"C"	"T"	"G"	"G"	"G"	"A"	"G"
[4,]	"G"	"T"	"G"	"T"	"C"	"A"	"T"	"C"	"C"	"T"	"G"	"G"	"G"	"A"	"G"
[5,]	"G"	"T"	"G"	"T"	"C"	"A"	"T"	"C"	"C"	"T"	"G"	"G"	"G"	"A"	"G"
[6,]	"G"	"T"	"G"	"T"	"C"	"A"	"T"	"C"	"C"	"T"	"G"	"G"	"G"	"A"	"G"
[1,]	[,769]	[,770]	[,771]	[,772]	[,773]	[,774]	[,775]	[,776]	[,777]	[,778]	[,779]	[,780]	[,781]	[,782]	[,783]
[2,]	"C"	"A"	"G"	"T"	"G"	"T"	"G"	"T"	"G"	"G"	"A"	"G"	"G"	"G"	"C"
[3,]	"C"	"A"	"G"	"T"	"G"	"T"	"G"	"T"	"G"	"G"	"A"	"G"	"G"	"G"	"C"
[4,]	"C"	"A"	"G"	"T"	"G"	"T"	"G"	"T"	"G"	"G"	"A"	"G"	"G"	"G"	"C"
[5,]	"C"	"A"	"G"	"T"	"G"	"T"	"G"	"T"	"G"	"G"	"A"	"G"	"G"	"G"	"C"
[6,]	"C"	"A"	"G"	"T"	"G"	"T"	"G"	"T"	"G"	"G"	"A"	"G"	"G"	"G"	"C"
[1,]	[,784]	[,785]	[,786]	[,787]	[,788]	[,789]	[,790]	[,791]	[,792]	[,793]	[,794]	[,795]	[,796]	[,797]	[,798]
[2,]	"T"	"T"	"C"	"T"	"T"	"C"	"G"	"C"	"T"	"T"	"G"	"G"	"C"	"A"	"T"
[3,]	"T"	"T"	"C"	"T"	"T"	"C"	"G"	"C"	"T"	"T"	"G"	"G"	"C"	"A"	"T"
[4,]	"T"	"T"	"C"	"T"	"T"	"C"	"G"	"C"	"T"	"T"	"G"	"G"	"C"	"A"	"T"
[5,]	"T"	"T"	"C"	"T"	"T"	"C"	"G"	"C"	"T"	"T"	"G"	"G"	"C"	"A"	"T"
[6,]	"T"	"T"	"C"	"T"	"T"	"C"	"G"	"C"	"T"	"T"	"G"	"G"	"C"	"A"	"T"
[1,]	[,799]	[,800]	[,801]	[,802]	[,803]	[,804]	[,805]	[,806]	[,807]	[,808]	[,809]	[,810]	[,811]	[,812]	[,813]
[2,]	"C"	"T"	"C"	"C"	"C"	"A"	"T"	"C"	"C"	"A"	"C"	"C"	"C"	"T"	"G"
[3,]	"C"	"T"	"C"	"C"	"C"	"A"	"T"	"C"	"C"	"A"	"C"	"C"	"C"	"T"	"G"
[4,]	"C"	"T"	"C"	"C"	"C"	"A"	"T"	"C"	"C"	"A"	"C"	"C"	"C"	"T"	"G"
[5,]	"C"	"T"	"C"	"C"	"C"	"A"	"T"	"C"	"C"	"A"	"C"	"C"	"C"	"T"	"G"
[6,]	"C"	"T"	"C"	"C"	"C"	"A"	"T"	"C"	"C"	"A"	"C"	"C"	"C"	"T"	"G"
[1,]	[,814]	[,815]	[,816]	[,817]	[,818]	[,819]	[,820]	[,821]	[,822]	[,823]	[,824]	[,825]	[,826]	[,827]	[,828]
[2,]	"A"	"T"	"G"	"T"	"G"	"G"	"T"	"T"	"A"	"T"	"G"	"T"	"T"	"A"	"A"
[3,]	"A"	"T"	"G"	"T"	"G"	"G"	"T"	"T"	"A"	"T"	"G"	"T"	"T"	"A"	"A"
[4,]	"A"	"T"	"G"	"T"	"G"	"G"	"T"	"T"	"A"	"T"	"G"	"T"	"T"	"A"	"A"
[5,]	"A"	"T"	"G"	"T"	"G"	"G"	"T"	"T"	"A"	"T"	"G"	"T"	"T"	"A"	"A"
[6,]	"A"	"T"	"G"	"T"	"G"	"G"	"T"	"T"	"A"	"T"	"G"	"T"	"T"	"A"	"A"
[1,]	[,829]	[,830]	[,831]	[,832]	[,833]	[,834]	[,835]	[,836]	[,837]	[,838]	[,839]	[,840]	[,841]	[,842]	[,843]
[2,]	"T"	"A"	"G"	"C"	"C"	"T"	"T"	"C"	"C"	"C"	"A"	"G"	"G"	"G"	"G"
[3,]	"T"	"A"	"G"	"C"	"C"	"T"	"T"	"C"	"C"	"C"	"A"	"G"	"G"	"G"	"G"
[4,]	"T"	"A"	"G"	"C"	"C"	"T"	"T"	"C"	"C"	"C"	"A"	"G"	"G"	"G"	"G"
[5,]	"T"	"A"	"G"	"C"	"C"	"T"	"T"	"C"	"C"	"C"	"A"	"G"	"G"	"G"	"G"
[6,]	"T"	"A"	"G"	"C"	"C"	"T"	"T"	"C"	"C"	"C"	"A"	"G"	"G"	"G"	"G"
[1,]	[,844]	[,845]	[,846]	[,847]	[,848]	[,849]	[,850]	[,851]	[,852]	[,853]	[,854]	[,855]	[,856]	[,857]	[,858]
[2,]	"A"	"T"	"A"	"T"	"A"	"C"	"T"	"C"	"A"	"T"	"G"	"A"	"G"	"G"	"A"

[2,]	"A"	"T"	"A"	"T"	"A"	"C"	"T"	"C"	"A"	"T"	"G"	"A"	"G"	"G"	"A"
[3,]	"A"	"T"	"A"	"T"	"A"	"C"	"T"	"C"	"A"	"T"	"G"	"A"	"G"	"G"	"A"
[4,]	"A"	"T"	"A"	"T"	"A"	"C"	"T"	"C"	"A"	"T"	"G"	"A"	"G"	"G"	"A"
[5,]	"A"	"T"	"A"	"T"	"A"	"C"	"T"	"C"	"A"	"T"	"G"	"A"	"G"	"G"	"A"
[6,]	"A"	"T"	"A"	"T"	"A"	"C"	"T"	"C"	"A"	"T"	"G"	"A"	"G"	"G"	"A"
	[,859]	[,860]	[,861]	[,862]	[,863]	[,864]	[,865]	[,866]	[,867]	[,868]	[,869]	[,870]	[,871]	[,872]	[,873]
[1,]	"T"	"G"	"C"	"T"	"A"	"A"	"A"	"A"	"A"	"T"	"G"	"C"	"T"	"C"	"A"
[2,]	"T"	"G"	"C"	"T"	"A"	"A"	"A"	"A"	"A"	"T"	"G"	"C"	"T"	"C"	"A"
[3,]	"T"	"G"	"C"	"T"	"A"	"A"	"A"	"A"	"A"	"T"	"G"	"C"	"T"	"C"	"A"
[4,]	"T"	"G"	"C"	"T"	"A"	"A"	"A"	"A"	"A"	"T"	"G"	"C"	"T"	"C"	"A"
[5,]	"T"	"G"	"C"	"T"	"A"	"A"	"A"	"A"	"A"	"T"	"G"	"C"	"T"	"C"	"A"
[6,]	"T"	"G"	"C"	"T"	"A"	"A"	"A"	"A"	"A"	"T"	"G"	"C"	"T"	"C"	"A"
	[,874]	[,875]	[,876]	[,877]	[,878]	[,879]	[,880]	[,881]	[,882]	[,883]	[,884]	[,885]	[,886]	[,887]	[,888]
[1,]	"T"	"T"	"C"	"T"	"C"	"C"	"C"	"T"	"C"	"T"	"A"	"A"	"T"	"C"	"A"
[2,]	"T"	"T"	"C"	"T"	"C"	"C"	"C"	"T"	"C"	"T"	"A"	"A"	"T"	"C"	"A"
[3,]	"T"	"T"	"C"	"T"	"C"	"C"	"C"	"T"	"C"	"T"	"A"	"A"	"T"	"C"	"A"
[4,]	"T"	"T"	"C"	"T"	"C"	"C"	"C"	"T"	"C"	"T"	"A"	"A"	"T"	"C"	"A"
[5,]	"T"	"T"	"C"	"T"	"C"	"C"	"C"	"T"	"C"	"T"	"A"	"A"	"T"	"C"	"A"
[6,]	"T"	"T"	"C"	"T"	"C"	"C"	"C"	"T"	"C"	"T"	"A"	"A"	"T"	"C"	"A"
	[,889]	[,890]	[,891]	[,892]	[,893]	[,894]	[,895]	[,896]	[,897]	[,898]	[,899]	[,900]	[,901]	[,902]	[,903]
[1,]	"T"	"C"	"T"	"C"	"C"	"A"	"G"	"C"	"T"	"T"	"A"	"A"	"T"	"C"	"A"
[2,]	"T"	"C"	"T"	"C"	"C"	"A"	"G"	"C"	"T"	"T"	"A"	"A"	"T"	"C"	"A"
[3,]	"T"	"C"	"T"	"C"	"C"	"A"	"G"	"C"	"T"	"T"	"A"	"A"	"T"	"C"	"A"
[4,]	"T"	"C"	"T"	"C"	"C"	"A"	"G"	"C"	"T"	"T"	"A"	"A"	"T"	"C"	"A"
[5,]	"T"	"C"	"T"	"C"	"C"	"A"	"G"	"C"	"T"	"T"	"A"	"A"	"T"	"C"	"A"
[6,]	"T"	"C"	"T"	"C"	"C"	"A"	"G"	"C"	"T"	"T"	"A"	"A"	"T"	"C"	"A"
	[,904]	[,905]	[,906]	[,907]	[,908]	[,909]	[,910]	[,911]	[,912]	[,913]	[,914]	[,915]	[,916]	[,917]	[,918]
[1,]	"C"	"A"	"G"	"G"	"G"	"T"	"T"	"G"	"T"	"C"	"A"	"G"	"G"	"C"	"C"
[2,]	"C"	"A"	"G"	"G"	"G"	"T"	"T"	"G"	"T"	"C"	"A"	"G"	"G"	"C"	"C"
[3,]	"C"	"A"	"G"	"G"	"G"	"T"	"T"	"G"	"T"	"C"	"A"	"G"	"G"	"C"	"C"
[4,]	"C"	"A"	"G"	"G"	"G"	"T"	"T"	"G"	"T"	"C"	"A"	"G"	"G"	"C"	"C"
[5,]	"C"	"A"	"G"	"G"	"G"	"T"	"T"	"G"	"T"	"C"	"A"	"G"	"G"	"C"	"C"
[6,]	"C"	"A"	"G"	"G"	"G"	"T"	"T"	"G"	"T"	"C"	"A"	"G"	"G"	"C"	"C"
	[,919]	[,920]	[,921]	[,922]	[,923]	[,924]	[,925]	[,926]	[,927]	[,928]	[,929]	[,930]	[,931]	[,932]	[,933]
[1,]	"T"	"G"	"G"	"A"	"T"	"G"	"C"	"T"	"A"	"A"	"G"	"G"	"C"	"T"	"A"
[2,]	"T"	"G"	"G"	"A"	"T"	"G"	"C"	"T"	"A"	"A"	"G"	"G"	"C"	"T"	"A"
[3,]	"T"	"G"	"G"	"A"	"T"	"G"	"C"	"T"	"A"	"A"	"G"	"G"	"C"	"T"	"A"
[4,]	"T"	"G"	"G"	"A"	"T"	"G"	"C"	"T"	"A"	"A"	"G"	"G"	"C"	"T"	"A"
[5,]	"T"	"G"	"G"	"A"	"T"	"G"	"C"	"T"	"A"	"A"	"G"	"G"	"C"	"T"	"A"
[6,]	"T"	"G"	"G"	"A"	"T"	"G"	"C"	"T"	"A"	"A"	"G"	"G"	"C"	"T"	"A"
	[,934]	[,935]	[,936]	[,937]	[,938]	[,939]	[,940]	[,941]	[,942]	[,943]	[,944]	[,945]	[,946]	[,947]	[,948]
[1,]	"G"	"T"	"G"	"G"	"C"	"C"	"G"	"C"	"T"	"T"	"G"	"G"	"G"	"C"	"A"
[2,]	"G"	"T"	"G"	"G"	"C"	"C"	"G"	"C"	"T"	"T"	"G"	"G"	"G"	"C"	"A"
[3,]	"G"	"T"	"G"	"G"	"C"	"C"	"G"	"C"	"T"	"T"	"G"	"G"	"G"	"C"	"A"
[4,]	"G"	"T"	"G"	"G"	"C"	"C"	"G"	"C"	"T"	"T"	"G"	"G"	"G"	"C"	"A"
[5,]	"G"	"T"	"G"	"G"	"C"	"C"	"G"	"C"	"T"	"T"	"G"	"G"	"G"	"C"	"A"
[6,]	"G"	"T"	"G"	"G"	"C"	"C"	"G"	"C"	"T"	"T"	"G"	"G"	"G"	"C"	"A"
	[,949]	[,950]	[,951]	[,952]	[,953]	[,954]	[,955]	[,956]	[,957]	[,958]	[,959]	[,960]	[,961]	[,962]	[,963]
[1,]	"C"	"G"	"A"	"G"	"A"	"G"	"C"	"C"	"A"	"T"	"G"	"G"	"T"	"G"	"T"
[2,]	"C"	"G"	"A"	"G"	"A"	"G"	"C"	"C"	"A"	"T"	"G"	"G"	"T"	"G"	"T"
[3,]	"C"	"G"	"A"	"G"	"A"	"G"	"C"	"C"	"A"	"T"	"G"	"G"	"T"	"G"	"T"
[4,]	"C"	"G"	"A"	"G"	"A"	"G"	"C"	"C"	"A"	"T"	"G"	"G"	"T"	"G"	"T"
[5,]	"C"	"G"	"A"	"G"	"A"	"G"	"C"	"C"	"A"	"T"	"G"	"G"	"T"	"G"	"T"
[6,]	"C"	"G"	"A"	"G"	"A"	"G"	"C"	"C"	"A"	"T"	"G"	"G"	"T"	"G"	"T"
	[,964]	[,965]	[,966]	[,967]	[,968]	[,969]	[,970]	[,971]	[,972]	[,973]	[,974]	[,975]	[,976]	[,977]	[,978]
[1,]	"A"	"T"	"T"	"A"	"C"	"A"	"T"	"G"	"T"	"C"	"C"	"A"	"C"	"G"	"A"
[2,]	"A"	"T"	"T"	"A"	"C"	"A"	"T"	"G"	"T"	"C"	"C"	"A"	"C"	"G"	"A"
[3,]	"A"	"T"	"T"	"A"	"C"	"A"	"T"	"G"	"T"	"C"	"C"	"A"	"C"	"G"	"A"
[4,]	"A"	"T"	"T"	"A"	"C"	"A"	"T"	"G"	"T"	"C"	"C"	"A"	"C"	"G"	"A"
[5,]	"A"	"T"	"T"	"A"	"C"	"A"	"T"	"G"	"T"	"C"	"C"	"A"	"C"	"G"	"A"
[6,]	"A"	"T"	"T"	"A"	"C"	"A"	"T"	"G"	"T"	"C"	"C"	"A"	"C"	"G"	"A"
	[,979]	[,980]	[,981]	[,982]	[,983]	[,984]	[,985]	[,986]	[,987]	[,988]	[,989]	[,990]	[,991]	[,992]	[,993]
[1,]	"C"	"C"	"A"	"T"	"C"	"A"	"T"	"T"	"G"	"C"	"T"	"G"	"C"	"A"	"G"
[2,]	"C"	"C"	"A"	"T"	"C"	"A"	"T"	"T"	"G"	"C"	"T"	"G"	"C"	"A"	"G"
[3,]	"C"	"C"	"A"	"T"	"C"	"A"	"T"	"T"	"G"	"C"	"T"	"G"	"C"	"A"	"G"
[4,]	"C"	"C"	"A"	"T"	"C"	"A"	"T"	"T"	"G"	"C"	"T"	"G"	"C"	"A"	"G"
[5,]	"C"	"C"	"A"	"T"	"C"	"A"	"T"	"T"	"G"	"C"	"T"	"G"	"C"	"A"	"G"
[6,]	"C"	"C"	"A"	"T"	"C"	"A"	"T"	"T"	"G"	"C"	"T"	"G"	"C"	"A"	"G"
	[,994]	[,995]	[,996]	[,997]	[,998]	[,999]	[,1000]	[,1001]	[,1002]	[,1003]	[,1004]	[,1005]	[,1006]	[,1007]	
[1,]	"T"	"A"	"C"	"T"	"G"	"G"	"G"	"G"	"G"	"T"	"C"	"A"	"T"	"T"	
[2,]	"T"	"A"	"C"	"T"	"G"	"G"	"G"	"G"	"G"	"T"	"C"	"A"	"T"	"T"	
[3,]	"T"	"A"	"C"	"T"	"G"	"G"	"G"	"G"	"G"	"T"	"C"	"A"	"T"	"T"	
[4,]	"T"	"A"	"C"	"T"	"G"	"G"	"G"	"G"	"G"	"T"	"C"	"A"	"T"	"T"	
[5,]	"T"	"A"	"C"	"T"	"G"	"G"	"G"	"G"	"G"	"T"	"C"	"A"	"T"	"T"	
[6,]	"T"	"A"	"C"	"T"	"G"	"G"	"G"	"G"	"G"	"T"	"C"	"A"	"T"	"T"	
	[,1008]	[,1009]	[,1010]	[,1011]	[,1012]	[,1013]	[,1014]	[,1015]	[,1016]	[,1017]	[,1018]	[,1019]	[,1020]		

[1,]	"C"	"T"	"G"	"G"	"T"	"C"	"T"	"T"	"G"	"G"	"C"	"T"	"A"
[2,]	"C"	"T"	"G"	"G"	"T"	"C"	"T"	"T"	"G"	"G"	"C"	"T"	"A"
[3,]	"C"	"T"	"G"	"G"	"T"	"C"	"T"	"T"	"G"	"G"	"C"	"T"	"A"
[4,]	"C"	"T"	"G"	"G"	"T"	"C"	"T"	"T"	"G"	"G"	"C"	"T"	"A"
[5,]	"C"	"T"	"G"	"G"	"T"	"C"	"T"	"T"	"G"	"G"	"C"	"T"	"A"
[6,]	"C"	"T"	"G"	"G"	"T"	"C"	"T"	"T"	"G"	"G"	"C"	"T"	"A"
	[,1021]	[,1022]	[,1023]	[,1024]	[,1025]	[,1026]	[,1027]	[,1028]	[,1029]	[,1030]	[,1031]	[,1032]	[,1033]
[1,]	"T"	"C"	"C"	"A"	"T"	"C"	"C"	"A"	"G"	"G"	"C"	"A"	"A"
[2,]	"T"	"C"	"C"	"A"	"T"	"C"	"C"	"A"	"G"	"G"	"C"	"A"	"A"
[3,]	"T"	"C"	"C"	"A"	"T"	"C"	"C"	"A"	"G"	"G"	"A"	"A"	"A"
[4,]	"T"	"C"	"C"	"A"	"T"	"C"	"C"	"A"	"G"	"G"	"C"	"A"	"A"
[5,]	"T"	"C"	"C"	"A"	"T"	"C"	"C"	"A"	"G"	"G"	"C"	"A"	"A"
[6,]	"T"	"C"	"C"	"A"	"T"	"C"	"C"	"A"	"G"	"G"	"G"	"A"	"A"
	[,1034]	[,1035]	[,1036]	[,1037]	[,1038]	[,1039]	[,1040]	[,1041]	[,1042]	[,1043]	[,1044]	[,1045]	[,1046]
[1,]	"T"	"C"	"C"	"C"	"A"	"A"	"G"	"C"	"T"	"C"	"A"	"A"	"G"
[2,]	"T"	"C"	"C"	"C"	"A"	"A"	"G"	"C"	"T"	"C"	"A"	"A"	"G"
[3,]	"T"	"C"	"C"	"C"	"A"	"A"	"G"	"C"	"T"	"C"	"A"	"A"	"G"
[4,]	"T"	"C"	"C"	"C"	"A"	"A"	"G"	"C"	"T"	"C"	"A"	"A"	"G"
[5,]	"T"	"C"	"C"	"C"	"A"	"A"	"G"	"C"	"T"	"C"	"A"	"A"	"G"
[6,]	"T"	"C"	"C"	"C"	"A"	"A"	"G"	"C"	"T"	"C"	"A"	"A"	"G"
	[,1047]	[,1048]	[,1049]	[,1050]	[,1051]	[,1052]	[,1053]	[,1054]	[,1055]	[,1056]	[,1057]	[,1058]	[,1059]
[1,]	"A"	"A"	"G"	"C"	"A"	"G"	"C"	"T"	"G"	"G"	"G"	"G"	"C"
[2,]	"A"	"A"	"G"	"C"	"A"	"G"	"C"	"T"	"G"	"G"	"G"	"G"	"C"
[3,]	"A"	"A"	"G"	"C"	"A"	"G"	"C"	"T"	"G"	"G"	"G"	"G"	"C"
[4,]	"A"	"A"	"G"	"C"	"A"	"G"	"C"	"T"	"G"	"G"	"G"	"G"	"C"
[5,]	"A"	"A"	"G"	"C"	"A"	"G"	"C"	"T"	"G"	"G"	"G"	"G"	"C"
[6,]	"A"	"A"	"G"	"C"	"A"	"G"	"C"	"T"	"G"	"G"	"G"	"G"	"C"
	[,1060]	[,1061]	[,1062]	[,1063]	[,1064]	[,1065]	[,1066]	[,1067]	[,1068]	[,1069]	[,1070]	[,1071]	[,1072]
[1,]	"C"	"T"	"G"	"G"	"G"	"A"	"A"	"G"	"A"	"A"	"G"	"A"	"A"
[2,]	"C"	"T"	"G"	"G"	"G"	"A"	"A"	"G"	"A"	"A"	"G"	"A"	"A"
[3,]	"C"	"T"	"G"	"G"	"G"	"A"	"A"	"G"	"A"	"A"	"G"	"A"	"A"
[4,]	"C"	"T"	"G"	"G"	"G"	"A"	"A"	"G"	"A"	"A"	"G"	"A"	"A"
[5,]	"C"	"T"	"G"	"G"	"G"	"A"	"A"	"G"	"A"	"A"	"G"	"A"	"A"
[6,]	"C"	"T"	"G"	"G"	"G"	"A"	"A"	"G"	"A"	"A"	"G"	"A"	"A"
	[,1073]	[,1074]	[,1075]	[,1076]	[,1077]	[,1078]	[,1079]	[,1080]	[,1081]	[,1082]	[,1083]	[,1084]	[,1085]
[1,]	"T"	"G"	"A"	"T"	"G"	"A"	"A"	"G"	"T"	"G"	"T"	"C"	"C"
[2,]	"T"	"G"	"A"	"T"	"G"	"A"	"A"	"G"	"T"	"G"	"T"	"C"	"C"
[3,]	"C"	"G"	"A"	"T"	"G"	"A"	"A"	"G"	"T"	"G"	"T"	"C"	"C"
[4,]	"T"	"G"	"A"	"T"	"G"	"A"	"A"	"G"	"T"	"G"	"T"	"C"	"C"
[5,]	"T"	"G"	"A"	"T"	"G"	"A"	"A"	"G"	"T"	"G"	"T"	"C"	"C"
[6,]	"T"	"G"	"A"	"T"	"G"	"A"	"A"	"G"	"T"	"G"	"T"	"C"	"C"
	[,1086]	[,1087]	[,1088]	[,1089]	[,1090]	[,1091]	[,1092]	[,1093]	[,1094]	[,1095]	[,1096]	[,1097]	[,1098]
[1,]	"A"	"G"	"C"	"C"	"T"	"G"	"G"	"A"	"T"	"G"	"C"	"C"	"T"
[2,]	"A"	"G"	"C"	"C"	"T"	"G"	"G"	"A"	"T"	"G"	"C"	"C"	"T"
[3,]	"A"	"G"	"C"	"C"	"T"	"G"	"G"	"A"	"T"	"G"	"C"	"C"	"T"
[4,]	"A"	"G"	"C"	"C"	"T"	"G"	"G"	"A"	"T"	"G"	"C"	"C"	"T"
[5,]	"A"	"G"	"C"	"C"	"T"	"G"	"G"	"A"	"T"	"G"	"C"	"C"	"T"
[6,]	"A"	"G"	"C"	"C"	"T"	"G"	"G"	"A"	"T"	"G"	"C"	"C"	"T"
	[,1099]	[,1100]	[,1101]	[,1102]	[,1103]	[,1104]	[,1105]	[,1106]	[,1107]	[,1108]	[,1109]	[,1110]	[,1111]
[1,]	"T"	"C"	"C"	"T"	"G"	"G"	"A"	"C"	"C"	"T"	"T"	"A"	"T"
[2,]	"T"	"C"	"C"	"T"	"G"	"G"	"A"	"C"	"C"	"T"	"T"	"A"	"T"
[3,]	"T"	"C"	"C"	"T"	"G"	"G"	"A"	"C"	"C"	"T"	"T"	"A"	"T"
[4,]	"T"	"C"	"C"	"T"	"G"	"G"	"A"	"C"	"C"	"T"	"T"	"A"	"T"
[5,]	"T"	"C"	"C"	"T"	"G"	"G"	"A"	"C"	"C"	"T"	"T"	"A"	"T"
[6,]	"T"	"C"	"C"	"T"	"G"	"G"	"A"	"C"	"C"	"T"	"T"	"A"	"T"
	[,1112]	[,1113]	[,1114]	[,1115]	[,1116]	[,1117]	[,1118]	[,1119]	[,1120]	[,1121]	[,1122]	[,1123]	[,1124]
[1,]	"T"	"C"	"G"	"A"	"A"	"A"	"T"	"C"	"T"	"C"	"T"	"T"	"C"
[2,]	"T"	"C"	"G"	"A"	"A"	"A"	"T"	"C"	"T"	"C"	"T"	"T"	"C"
[3,]	"T"	"C"	"G"	"A"	"A"	"A"	"T"	"C"	"T"	"C"	"T"	"T"	"C"
[4,]	"T"	"C"	"G"	"A"	"A"	"A"	"T"	"C"	"T"	"C"	"T"	"T"	"C"
[5,]	"T"	"C"	"G"	"A"	"A"	"A"	"T"	"C"	"T"	"C"	"T"	"T"	"C"
[6,]	"T"	"C"	"G"	"A"	"A"	"A"	"T"	"C"	"T"	"C"	"T"	"T"	"C"
	[,1125]	[,1126]	[,1127]	[,1128]	[,1129]	[,1130]	[,1131]	[,1132]	[,1133]	[,1134]	[,1135]	[,1136]	[,1137]
[1,]	"C"	"C"	"T"	"G"	"A"	"A"	"A"	"A"	"C"	"C"	"T"	"T"	"G"
[2,]	"C"	"C"	"T"	"G"	"A"	"A"	"A"	"A"	"C"	"C"	"T"	"T"	"G"
[3,]	"C"	"C"	"T"	"G"	"A"	"A"	"A"	"A"	"C"	"C"	"T"	"T"	"G"
[4,]	"C"	"C"	"T"	"G"	"A"	"A"	"A"	"A"	"C"	"C"	"T"	"T"	"G"
[5,]	"C"	"C"	"T"	"G"	"A"	"A"	"A"	"A"	"C"	"C"	"T"	"T"	"G"
[6,]	"C"	"C"	"T"	"G"	"A"	"A"	"A"	"A"	"C"	"C"	"T"	"T"	"G"
	[,1138]	[,1139]	[,1140]	[,1141]	[,1142]	[,1143]	[,1144]	[,1145]	[,1146]	[,1147]	[,1148]	[,1149]	[,1150]
[1,]	"T"	"C"	"C"	"A"	"A"	"G"	"C"	"C"	"T"	"G"	"C"	"T"	"T"
[2,]	"T"	"C"	"C"	"A"	"A"	"G"	"C"	"C"	"T"	"G"	"C"	"T"	"T"
[3,]	"T"	"C"	"C"	"A"	"A"	"G"	"C"	"C"	"T"	"G"	"C"	"T"	"T"
[4,]	"T"	"C"	"C"	"A"	"A"	"G"	"C"	"C"	"T"	"G"	"C"	"T"	"T"
[5,]	"T"	"C"	"C"	"A"	"A"	"G"	"C"	"C"	"T"	"G"	"C"	"T"	"T"
[6,]	"T"	"C"	"C"	"A"	"A"	"G"	"C"	"C"	"T"	"G"	"C"	"T"	"T"

	[,1151]	[,1152]	[,1153]	[,1154]	[,1155]	[,1156]	[,1157]	[,1158]	[,1159]	[,1160]	[,1161]	[,1162]	[,1163]
[1,]	"T"	"C"	"A"	"A"	"C"	"A"	"G"	"A"	"T"	"T"	"C"	"A"	"A"
[2,]	"T"	"C"	"A"	"A"	"C"	"A"	"G"	"A"	"T"	"T"	"C"	"A"	"A"
[3,]	"T"	"C"	"A"	"A"	"C"	"A"	"G"	"A"	"T"	"T"	"C"	"A"	"A"
[4,]	"T"	"C"	"A"	"A"	"C"	"A"	"G"	"A"	"T"	"T"	"C"	"A"	"A"
[5,]	"T"	"C"	"A"	"A"	"C"	"A"	"G"	"A"	"T"	"T"	"C"	"A"	"A"
[6,]	"T"	"C"	"A"	"A"	"C"	"A"	"G"	"A"	"T"	"T"	"C"	"A"	"A"
	[,1164]	[,1165]	[,1166]	[,1167]	[,1168]	[,1169]	[,1170]	[,1171]	[,1172]	[,1173]	[,1174]	[,1175]	[,1176]
[1,]	"A"	"C"	"A"	"G"	"T"	"G"	"A"	"C"	"G"	"A"	"A"	"G"	"A"
[2,]	"A"	"C"	"A"	"G"	"T"	"G"	"A"	"C"	"A"	"A"	"A"	"G"	"A"
[3,]	"A"	"C"	"A"	"G"	"T"	"G"	"A"	"C"	"G"	"A"	"A"	"G"	"A"
[4,]	"A"	"C"	"A"	"G"	"T"	"G"	"A"	"C"	"G"	"A"	"A"	"G"	"A"
[5,]	"A"	"C"	"A"	"G"	"T"	"G"	"A"	"C"	"G"	"A"	"A"	"G"	"A"
[6,]	"A"	"C"	"A"	"G"	"T"	"G"	"A"	"C"	"G"	"A"	"A"	"G"	"A"
	[,1177]	[,1178]	[,1179]	[,1180]	[,1181]	[,1182]	[,1183]	[,1184]	[,1185]	[,1186]	[,1187]	[,1188]	[,1189]
[1,]	"A"	"A"	"G"	"T"	"C"	"C"	"T"	"G"	"G"	"T"	"T"	"G"	"C"
[2,]	"A"	"A"	"G"	"T"	"C"	"C"	"T"	"G"	"G"	"T"	"T"	"G"	"C"
[3,]	"A"	"A"	"G"	"T"	"C"	"C"	"T"	"G"	"G"	"T"	"T"	"G"	"C"
[4,]	"A"	"A"	"G"	"T"	"C"	"C"	"T"	"G"	"G"	"T"	"T"	"G"	"C"
[5,]	"A"	"A"	"G"	"T"	"C"	"C"	"T"	"G"	"G"	"T"	"T"	"G"	"C"
[6,]	"A"	"A"	"G"	"T"	"C"	"C"	"T"	"G"	"G"	"T"	"T"	"G"	"C"
	[,1190]	[,1191]	[,1192]	[,1193]	[,1194]	[,1195]	[,1196]	[,1197]	[,1198]	[,1199]	[,1200]	[,1201]	[,1202]
[1,]	"A"	"C"	"C"	"A"	"C"	"C"	"G"	"C"	"C"	"G"	"G"	"A"	"C"
[2,]	"A"	"C"	"C"	"A"	"C"	"C"	"A"	"C"	"C"	"A"	"G"	"A"	"C"
[3,]	"A"	"C"	"C"	"A"	"C"	"C"	"G"	"C"	"C"	"A"	"G"	"A"	"C"
[4,]	"A"	"C"	"C"	"A"	"C"	"C"	"G"	"C"	"C"	"A"	"G"	"A"	"C"
[5,]	"A"	"C"	"C"	"A"	"C"	"C"	"G"	"C"	"C"	"A"	"G"	"A"	"C"
[6,]	"A"	"C"	"C"	"A"	"C"	"C"	"G"	"C"	"C"	"A"	"G"	"A"	"C"
	[,1203]	[,1204]	[,1205]	[,1206]	[,1207]	[,1208]	[,1209]	[,1210]	[,1211]	[,1212]	[,1213]	[,1214]	[,1215]
[1,]	"G"	"A"	"G"	"G"	"A"	"G"	"G"	"C"	"C"	"A"	"A"	"C"	"G"
[2,]	"G"	"A"	"G"	"G"	"A"	"G"	"G"	"C"	"C"	"A"	"A"	"C"	"G"
[3,]	"G"	"A"	"G"	"G"	"A"	"G"	"G"	"C"	"C"	"A"	"A"	"C"	"G"
[4,]	"G"	"A"	"G"	"G"	"A"	"G"	"G"	"C"	"C"	"A"	"A"	"C"	"G"
[5,]	"G"	"A"	"G"	"G"	"A"	"G"	"G"	"C"	"C"	"A"	"A"	"C"	"G"
[6,]	"G"	"A"	"G"	"G"	"A"	"G"	"G"	"C"	"C"	"A"	"A"	"C"	"G"
	[,1216]	[,1217]	[,1218]	[,1219]	[,1220]	[,1221]	[,1222]	[,1223]	[,1224]	[,1225]	[,1226]	[,1227]	[,1228]
[1,]	"C"	"A"	"A"	"C"	"C"	"A"	"G"	"C"	"G"	"C"	"T"	"G"	"T"
[2,]	"C"	"A"	"A"	"C"	"C"	"A"	"G"	"C"	"G"	"C"	"T"	"G"	"T"
[3,]	"C"	"A"	"A"	"C"	"C"	"A"	"G"	"C"	"G"	"C"	"T"	"G"	"T"
[4,]	"C"	"A"	"A"	"C"	"C"	"A"	"G"	"C"	"G"	"C"	"T"	"G"	"T"
[5,]	"C"	"A"	"A"	"C"	"C"	"A"	"G"	"C"	"G"	"C"	"T"	"G"	"T"
[6,]	"C"	"A"	"A"	"C"	"C"	"A"	"G"	"C"	"G"	"C"	"T"	"G"	"T"
	[,1229]	[,1230]	[,1231]	[,1232]	[,1233]	[,1234]	[,1235]	[,1236]	[,1237]	[,1238]	[,1239]	[,1240]	[,1241]
[1,]	"T"	"G"	"T"	"C"	"T"	"C"	"T"	"C"	"T"	"G"	"T"	"T"	"G"
[2,]	"T"	"G"	"T"	"C"	"T"	"C"	"T"	"C"	"T"	"G"	"T"	"T"	"G"
[3,]	"T"	"G"	"T"	"C"	"T"	"C"	"T"	"C"	"T"	"G"	"T"	"T"	"G"
[4,]	"T"	"G"	"T"	"C"	"T"	"C"	"T"	"C"	"T"	"G"	"T"	"T"	"G"
[5,]	"T"	"G"	"T"	"C"	"T"	"C"	"T"	"C"	"T"	"G"	"T"	"T"	"G"
[6,]	"T"	"G"	"T"	"C"	"T"	"C"	"T"	"C"	"T"	"G"	"T"	"T"	"G"
	[,1242]	[,1243]	[,1244]	[,1245]	[,1246]	[,1247]	[,1248]	[,1249]	[,1250]	[,1251]	[,1252]	[,1253]	[,1254]
[1,]	"A"	"A"	"C"	"G"	"A"	"G"	"A"	"C"	"T"	"G"	"T"	"G"	"A"
[2,]	"A"	"A"	"C"	"G"	"A"	"G"	"A"	"C"	"T"	"G"	"T"	"G"	"A"
[3,]	"A"	"A"	"C"	"G"	"A"	"G"	"A"	"C"	"T"	"G"	"T"	"G"	"A"
[4,]	"A"	"A"	"C"	"G"	"A"	"G"	"A"	"C"	"T"	"G"	"T"	"G"	"A"
[5,]	"A"	"A"	"C"	"G"	"A"	"G"	"A"	"C"	"T"	"G"	"T"	"G"	"A"
[6,]	"A"	"A"	"C"	"G"	"A"	"G"	"A"	"C"	"T"	"G"	"T"	"G"	"A"
	[,1255]	[,1256]	[,1257]	[,1258]	[,1259]	[,1260]	[,1261]	[,1262]	[,1263]	[,1264]	[,1265]	[,1266]	[,1267]
[1,]	"C"	"T"	"G"	"A"	"G"	"G"	"T"	"G"	"C"	"C"	"G"	"G"	"A"
[2,]	"C"	"T"	"G"	"A"	"G"	"G"	"T"	"G"	"C"	"C"	"G"	"G"	"A"
[3,]	"C"	"T"	"G"	"A"	"G"	"G"	"T"	"G"	"C"	"C"	"A"	"G"	"A"
[4,]	"C"	"T"	"G"	"A"	"G"	"G"	"T"	"G"	"C"	"C"	"G"	"G"	"A"
[5,]	"C"	"T"	"G"	"A"	"G"	"G"	"T"	"G"	"C"	"C"	"G"	"G"	"A"
[6,]	"C"	"T"	"G"	"A"	"G"	"G"	"T"	"G"	"C"	"C"	"A"	"G"	"A"
	[,1268]	[,1269]	[,1270]	[,1271]	[,1272]	[,1273]	[,1274]	[,1275]	[,1276]	[,1277]	[,1278]	[,1279]	[,1280]
[1,]	"G"	"G"	"A"	"G"	"A"	"C"	"T"	"A"	"A"	"G"	"A"	"T"	"G"
[2,]	"G"	"G"	"A"	"G"	"A"	"C"	"T"	"A"	"A"	"G"	"A"	"T"	"G"
[3,]	"G"	"G"	"A"	"G"	"A"	"C"	"T"	"A"	"A"	"G"	"A"	"T"	"G"
[4,]	"G"	"G"	"A"	"G"	"A"	"C"	"T"	"A"	"A"	"G"	"A"	"T"	"G"
[5,]	"G"	"G"	"A"	"G"	"A"	"C"	"T"	"A"	"A"	"G"	"A"	"T"	"G"
[6,]	"G"	"G"	"A"	"G"	"A"	"C"	"T"	"A"	"A"	"G"	"A"	"T"	"G"
	[,1281]	[,1282]	[,1283]	[,1284]	[,1285]	[,1286]	[,1287]	[,1288]	[,1289]	[,1290]	[,1291]	[,1292]	[,1293]
[1,]	"G"	"T"	"T"	"A"	"T"	"C"	"A"	"A"	"G"	"A"	"A"	"G"	"G"
[2,]	"G"	"T"	"T"	"A"	"T"	"C"	"A"	"A"	"G"	"A"	"A"	"G"	"G"
[3,]	"G"	"T"	"T"	"A"	"T"	"C"	"A"	"A"	"G"	"A"	"A"	"G"	"G"
[4,]	"G"	"T"	"T"	"A"	"T"	"C"	"A"	"A"	"G"	"A"	"A"	"G"	"G"
[5,]	"G"	"T"	"T"	"A"	"T"	"C"	"A"	"A"	"G"	"A"	"A"	"G"	"G"

[6,]	"G"	"T"	"T"	"A"	"T"	"C"	"A"	"A"	"G"	"A"	"A"	"G"	"G"
	[,1294]	[,1295]	[,1296]	[,1297]	[,1298]	[,1299]	[,1300]	[,1301]	[,1302]	[,1303]	[,1304]	[,1305]	[,1306]
[1,]	"G"	"C"	"C"	"T"	"G"	"G"	"A"	"G"	"T"	"T"	"C"	"A"	"A"
[2,]	"G"	"C"	"C"	"T"	"G"	"G"	"A"	"G"	"T"	"T"	"C"	"A"	"A"
[3,]	"G"	"C"	"C"	"T"	"G"	"G"	"A"	"G"	"T"	"T"	"C"	"A"	"A"
[4,]	"G"	"C"	"C"	"T"	"G"	"G"	"A"	"G"	"T"	"T"	"C"	"A"	"A"
[5,]	"G"	"C"	"C"	"T"	"G"	"G"	"A"	"G"	"T"	"T"	"C"	"A"	"A"
[6,]	"G"	"C"	"C"	"T"	"G"	"G"	"A"	"G"	"T"	"T"	"C"	"A"	"A"
	[,1307]	[,1308]	[,1309]	[,1310]	[,1311]	[,1312]	[,1313]	[,1314]	[,1315]	[,1316]	[,1317]	[,1318]	[,1319]
[1,]	"G"	"G"	"A"	"T"	"G"	"G"	"G"	"A"	"T"	"G"	"A"	"A"	"C"
[2,]	"G"	"G"	"A"	"T"	"G"	"G"	"G"	"A"	"T"	"G"	"A"	"A"	"C"
[3,]	"G"	"G"	"A"	"T"	"G"	"G"	"A"	"A"	"T"	"G"	"A"	"A"	"C"
[4,]	"G"	"G"	"A"	"T"	"G"	"G"	"G"	"A"	"T"	"G"	"A"	"A"	"C"
[5,]	"G"	"G"	"A"	"T"	"G"	"G"	"G"	"A"	"T"	"G"	"A"	"A"	"C"
[6,]	"G"	"G"	"A"	"C"	"G"	"G"	"A"	"A"	"T"	"G"	"A"	"A"	"C"
	[,1320]	[,1321]	[,1322]	[,1323]	[,1324]	[,1325]	[,1326]	[,1327]	[,1328]	[,1329]	[,1330]	[,1331]	[,1332]
[1,]	"G"	"T"	"C"	"T"	"T"	"A"	"G"	"G"	"T"	"C"	"T"	"G"	"A"
[2,]	"G"	"T"	"C"	"T"	"T"	"A"	"G"	"G"	"T"	"C"	"T"	"G"	"A"
[3,]	"G"	"T"	"C"	"T"	"T"	"A"	"G"	"G"	"T"	"C"	"T"	"G"	"A"
[4,]	"G"	"T"	"C"	"T"	"T"	"A"	"G"	"G"	"T"	"C"	"T"	"G"	"A"
[5,]	"G"	"T"	"C"	"T"	"T"	"A"	"G"	"G"	"T"	"C"	"T"	"G"	"A"
[6,]	"G"	"T"	"C"	"T"	"T"	"A"	"G"	"G"	"T"	"C"	"T"	"G"	"A"
	[,1333]	[,1334]	[,1335]	[,1336]	[,1337]	[,1338]	[,1339]	[,1340]	[,1341]	[,1342]	[,1343]	[,1344]	[,1345]
[1,]	"T"	"A"	"G"	"G"	"G"	"T"	"T"	"T"	"T"	"T"	"C"	"A"	"T"
[2,]	"T"	"A"	"G"	"G"	"G"	"T"	"T"	"T"	"T"	"T"	"C"	"A"	"T"
[3,]	"T"	"A"	"G"	"G"	"G"	"T"	"T"	"T"	"T"	"T"	"C"	"A"	"T"
[4,]	"T"	"A"	"G"	"G"	"G"	"T"	"T"	"T"	"T"	"T"	"C"	"A"	"T"
[5,]	"T"	"A"	"G"	"G"	"G"	"T"	"T"	"T"	"T"	"T"	"C"	"A"	"T"
[6,]	"T"	"A"	"G"	"G"	"G"	"T"	"T"	"T"	"T"	"T"	"C"	"A"	"T"
	[,1346]	[,1347]	[,1348]	[,1349]	[,1350]	[,1351]	[,1352]	[,1353]	[,1354]	[,1355]	[,1356]	[,1357]	[,1358]
[1,]	"T"	"G"	"C"	"T"	"T"	"T"	"T"	"G"	"G"	"C"	"A"	"T"	"C"
[2,]	"T"	"G"	"C"	"T"	"T"	"T"	"T"	"G"	"G"	"C"	"A"	"T"	"C"
[3,]	"T"	"G"	"C"	"T"	"T"	"T"	"T"	"G"	"G"	"C"	"A"	"T"	"C"
[4,]	"T"	"G"	"C"	"T"	"T"	"T"	"T"	"G"	"G"	"C"	"A"	"T"	"C"
[5,]	"T"	"G"	"C"	"T"	"T"	"T"	"T"	"G"	"G"	"C"	"A"	"T"	"C"
[6,]	"T"	"G"	"C"	"T"	"T"	"T"	"T"	"G"	"G"	"C"	"A"	"T"	"C"
	[,1359]	[,1360]	[,1361]	[,1362]	[,1363]	[,1364]	[,1365]	[,1366]	[,1367]	[,1368]	[,1369]	[,1370]	[,1371]
[1,]	"G"	"C"	"T"	"A"	"T"	"G"	"G"	"G"	"G"	"A"	"A"	"G"	"A"
[2,]	"G"	"C"	"T"	"A"	"T"	"G"	"G"	"G"	"G"	"A"	"A"	"G"	"A"
[3,]	"G"	"C"	"T"	"A"	"T"	"G"	"G"	"G"	"G"	"A"	"A"	"G"	"A"
[4,]	"G"	"C"	"T"	"A"	"T"	"G"	"G"	"G"	"G"	"A"	"A"	"G"	"A"
[5,]	"G"	"C"	"T"	"A"	"T"	"G"	"G"	"G"	"G"	"A"	"A"	"G"	"A"
[6,]	"G"	"C"	"T"	"A"	"T"	"G"	"G"	"G"	"G"	"A"	"A"	"G"	"A"
	[,1372]	[,1373]	[,1374]	[,1375]	[,1376]	[,1377]	[,1378]	[,1379]	[,1380]	[,1381]	[,1382]	[,1383]	[,1384]
[1,]	"T"	"G"	"G"	"G"	"A"	"G"	"A"	"T"	"C"	"A"	"G"	"G"	"C"
[2,]	"T"	"G"	"G"	"G"	"A"	"G"	"A"	"C"	"C"	"A"	"G"	"G"	"C"
[3,]	"T"	"G"	"G"	"G"	"A"	"G"	"A"	"T"	"C"	"A"	"G"	"G"	"C"
[4,]	"T"	"G"	"G"	"G"	"A"	"G"	"A"	"T"	"C"	"A"	"G"	"G"	"C"
[5,]	"T"	"G"	"G"	"G"	"A"	"G"	"A"	"T"	"C"	"A"	"G"	"G"	"C"
[6,]	"T"	"G"	"G"	"G"	"A"	"G"	"A"	"T"	"C"	"A"	"G"	"G"	"C"
	[,1385]	[,1386]	[,1387]	[,1388]	[,1389]	[,1390]	[,1391]	[,1392]	[,1393]	[,1394]	[,1395]	[,1396]	[,1397]
[1,]	"C"	"A"	"A"	"G"	"C"	"T"	"G"	"A"	"T"	"G"	"G"	"T"	"G"
[2,]	"C"	"A"	"A"	"G"	"C"	"T"	"G"	"A"	"T"	"G"	"G"	"T"	"G"
[3,]	"C"	"A"	"A"	"G"	"C"	"T"	"G"	"A"	"T"	"G"	"G"	"T"	"G"
[4,]	"C"	"A"	"A"	"G"	"C"	"T"	"G"	"A"	"T"	"G"	"G"	"T"	"G"
[5,]	"C"	"A"	"A"	"G"	"C"	"T"	"G"	"A"	"T"	"G"	"G"	"T"	"G"
[6,]	"C"	"A"	"A"	"G"	"C"	"T"	"G"	"A"	"T"	"G"	"G"	"T"	"G"
	[,1398]	[,1399]	[,1400]	[,1401]	[,1402]	[,1403]	[,1404]	[,1405]	[,1406]	[,1407]	[,1408]	[,1409]	[,1410]
[1,]	"G"	"A"	"T"	"T"	"T"	"C"	"T"	"T"	"C"	"A"	"A"	"C"	"A"
[2,]	"G"	"A"	"T"	"T"	"T"	"C"	"T"	"T"	"C"	"A"	"A"	"C"	"A"
[3,]	"G"	"A"	"T"	"T"	"T"	"C"	"T"	"T"	"C"	"A"	"A"	"C"	"A"
[4,]	"G"	"A"	"T"	"T"	"T"	"C"	"T"	"T"	"C"	"A"	"A"	"C"	"A"
[5,]	"G"	"A"	"T"	"T"	"T"	"C"	"T"	"T"	"C"	"A"	"A"	"C"	"A"
[6,]	"G"	"A"	"T"	"T"	"T"	"C"	"T"	"T"	"C"	"A"	"A"	"C"	"A"
	[,1411]	[,1412]	[,1413]	[,1414]	[,1415]	[,1416]	[,1417]	[,1418]	[,1419]	[,1420]	[,1421]	[,1422]	[,1423]
[1,]	"T"	"T"	"T"	"T"	"G"	"A"	"A"	"T"	"G"	"A"	"G"	"A"	"T"
[2,]	"T"	"T"	"T"	"T"	"G"	"A"	"A"	"T"	"G"	"A"	"G"	"A"	"T"
[3,]	"T"	"T"	"T"	"T"	"G"	"A"	"A"	"T"	"G"	"A"	"G"	"A"	"T"
[4,]	"T"	"T"	"T"	"T"	"G"	"A"	"A"	"T"	"G"	"A"	"G"	"A"	"T"
[5,]	"T"	"T"	"T"	"T"	"G"	"A"	"A"	"T"	"G"	"A"	"G"	"A"	"T"
[6,]	"T"	"T"	"T"	"T"	"G"	"A"	"A"	"T"	"G"	"A"	"G"	"A"	"T"
	[,1424]	[,1425]	[,1426]	[,1427]	[,1428]	[,1429]	[,1430]	[,1431]	[,1432]	[,1433]	[,1434]	[,1435]	[,1436]
[1,]	"T"	"G"	"T"	"A"	"A"	"T"	"G"	"A"	"A"	"G"	"T"	"T"	"A"
[2,]	"T"	"G"	"T"	"A"	"A"	"T"	"G"	"A"	"A"	"G"	"T"	"T"	"A"
[3,]	"T"	"G"	"T"	"A"	"A"	"T"	"G"	"A"	"A"	"G"	"T"	"T"	"A"
[4,]	"T"	"G"	"T"	"A"	"A"	"T"	"G"	"A"	"A"	"G"	"T"	"T"	"A"

[5,]	"T"	"G"	"T"	"A"	"A"	"T"	"G"	"A"	"A"	"G"	"T"	"T"	"A"
[6,]	"T"	"G"	"T"	"A"	"A"	"T"	"G"	"A"	"A"	"G"	"T"	"T"	"A"
	[,1437]	[,1438]	[,1439]	[,1440]	[,1441]	[,1442]	[,1443]	[,1444]	[,1445]	[,1446]	[,1447]	[,1448]	[,1449]
[1,]	"G"	"T"	"G"	"A"	"T"	"C"	"A"	"T"	"G"	"A"	"T"	"C"	"A"
[2,]	"G"	"T"	"G"	"A"	"T"	"C"	"A"	"T"	"G"	"A"	"T"	"C"	"A"
[3,]	"G"	"T"	"G"	"A"	"T"	"C"	"A"	"T"	"G"	"A"	"T"	"C"	"A"
[4,]	"G"	"T"	"G"	"A"	"T"	"C"	"A"	"T"	"G"	"A"	"T"	"C"	"A"
[5,]	"G"	"T"	"G"	"A"	"T"	"C"	"A"	"T"	"G"	"A"	"T"	"C"	"A"
[6,]	"G"	"T"	"G"	"A"	"T"	"C"	"A"	"T"	"G"	"A"	"T"	"C"	"A"
	[,1450]	[,1451]	[,1452]	[,1453]	[,1454]	[,1455]	[,1456]	[,1457]	[,1458]	[,1459]	[,1460]	[,1461]	[,1462]
[1,]	"T"	"G"	"T"	"G"	"G"	"T"	"A"	"C"	"T"	"C"	"T"	"C"	"C"
[2,]	"T"	"G"	"T"	"G"	"G"	"T"	"A"	"C"	"T"	"C"	"T"	"C"	"C"
[3,]	"T"	"G"	"T"	"G"	"G"	"T"	"A"	"C"	"T"	"C"	"T"	"C"	"C"
[4,]	"T"	"G"	"T"	"G"	"G"	"T"	"A"	"C"	"T"	"C"	"T"	"C"	"C"
[5,]	"T"	"G"	"T"	"G"	"G"	"T"	"A"	"C"	"T"	"C"	"T"	"C"	"C"
[6,]	"T"	"G"	"T"	"G"	"G"	"T"	"A"	"C"	"T"	"C"	"T"	"C"	"C"
	[,1463]	[,1464]	[,1465]	[,1466]	[,1467]	[,1468]	[,1469]	[,1470]	[,1471]	[,1472]	[,1473]	[,1474]	[,1475]
[1,]	"C"	"C"	"T"	"G"	"G"	"G"	"T"	"A"	"T"	"C"	"G"	"C"	"C"
[2,]	"C"	"C"	"T"	"G"	"G"	"G"	"T"	"A"	"T"	"C"	"G"	"C"	"C"
[3,]	"C"	"C"	"T"	"G"	"G"	"G"	"T"	"A"	"T"	"C"	"G"	"C"	"C"
[4,]	"C"	"C"	"T"	"G"	"G"	"G"	"T"	"A"	"T"	"C"	"G"	"C"	"C"
[5,]	"C"	"C"	"T"	"G"	"G"	"G"	"T"	"A"	"T"	"C"	"G"	"C"	"C"
[6,]	"C"	"C"	"T"	"G"	"G"	"G"	"T"	"A"	"T"	"C"	"G"	"C"	"C"
	[,1476]	[,1477]	[,1478]	[,1479]	[,1480]	[,1481]	[,1482]	[,1483]	[,1484]	[,1485]	[,1486]	[,1487]	[,1488]
[1,]	"T"	"G"	"C"	"C"	"T"	"G"	"A"	"T"	"C"	"T"	"G"	"T"	"G"
[2,]	"T"	"G"	"C"	"C"	"T"	"G"	"A"	"T"	"C"	"T"	"G"	"T"	"G"
[3,]	"T"	"G"	"C"	"C"	"T"	"G"	"A"	"T"	"C"	"T"	"G"	"T"	"G"
[4,]	"T"	"G"	"C"	"C"	"T"	"G"	"A"	"T"	"C"	"T"	"G"	"T"	"G"
[5,]	"T"	"G"	"C"	"C"	"T"	"G"	"A"	"T"	"C"	"T"	"G"	"T"	"G"
[6,]	"T"	"G"	"C"	"C"	"T"	"G"	"A"	"T"	"C"	"T"	"G"	"T"	"G"
	[,1489]	[,1490]	[,1491]	[,1492]	[,1493]	[,1494]	[,1495]	[,1496]	[,1497]	[,1498]	[,1499]	[,1500]	[,1501]
[1,]	"G"	"A"	"A"	"A"	"G"	"A"	"T"	"C"	"A"	"T"	"T"	"G"	"C"
[2,]	"G"	"A"	"A"	"A"	"G"	"A"	"T"	"C"	"A"	"T"	"T"	"G"	"C"
[3,]	"G"	"A"	"A"	"A"	"G"	"A"	"T"	"C"	"A"	"T"	"T"	"G"	"C"
[4,]	"G"	"A"	"A"	"A"	"G"	"A"	"T"	"C"	"A"	"T"	"T"	"G"	"C"
[5,]	"G"	"A"	"A"	"A"	"G"	"A"	"T"	"C"	"A"	"T"	"T"	"G"	"C"
[6,]	"G"	"A"	"A"	"A"	"G"	"A"	"T"	"C"	"A"	"T"	"T"	"G"	"C"
	[,1502]	[,1503]	[,1504]	[,1505]	[,1506]	[,1507]	[,1508]	[,1509]	[,1510]	[,1511]	[,1512]	[,1513]	[,1514]
[1,]	"A"	"A"	"T"	"C"	"A"	"A"	"G"	"G"	"A"	"C"	"T"	"T"	"A"
[2,]	"A"	"A"	"T"	"C"	"A"	"A"	"G"	"G"	"A"	"C"	"T"	"T"	"A"
[3,]	"A"	"A"	"T"	"C"	"A"	"A"	"G"	"G"	"A"	"C"	"T"	"T"	"A"
[4,]	"A"	"A"	"T"	"C"	"A"	"A"	"G"	"G"	"A"	"C"	"T"	"T"	"A"
[5,]	"A"	"A"	"T"	"C"	"A"	"A"	"G"	"G"	"A"	"C"	"T"	"T"	"A"
[6,]	"A"	"A"	"T"	"C"	"A"	"A"	"G"	"G"	"A"	"C"	"T"	"T"	"A"
	[,1515]	[,1516]	[,1517]	[,1518]	[,1519]	[,1520]	[,1521]	[,1522]	[,1523]	[,1524]	[,1525]	[,1526]	[,1527]
[1,]	"G"	"A"	"A"	"G"	"T"	"G"	"G"	"T"	"T"	"G"	"C"	"T"	"A"
[2,]	"G"	"A"	"A"	"G"	"T"	"G"	"G"	"T"	"T"	"G"	"C"	"T"	"A"
[3,]	"G"	"A"	"A"	"G"	"T"	"G"	"G"	"T"	"T"	"G"	"C"	"T"	"A"
[4,]	"G"	"A"	"A"	"G"	"T"	"G"	"G"	"T"	"T"	"G"	"C"	"T"	"A"
[5,]	"G"	"A"	"A"	"G"	"T"	"G"	"G"	"T"	"T"	"G"	"C"	"T"	"A"
[6,]	"G"	"A"	"A"	"G"	"T"	"G"	"G"	"T"	"T"	"G"	"C"	"T"	"A"
	[,1528]	[,1529]	[,1530]	[,1531]	[,1532]	[,1533]	[,1534]	[,1535]	[,1536]	[,1537]	[,1538]	[,1539]	[,1540]
[1,]	"G"	"G"	"C"	"A"	"A"	"C"	"T"	"G"	"G"	"G"	"G"	"A"	"T"
[2,]	"G"	"G"	"C"	"A"	"A"	"C"	"T"	"G"	"G"	"G"	"G"	"A"	"T"
[3,]	"G"	"G"	"C"	"A"	"A"	"C"	"T"	"G"	"G"	"G"	"G"	"A"	"T"
[4,]	"G"	"G"	"C"	"A"	"A"	"C"	"T"	"G"	"G"	"G"	"G"	"A"	"T"
[5,]	"G"	"G"	"C"	"A"	"A"	"C"	"T"	"G"	"G"	"G"	"G"	"A"	"T"
[6,]	"G"	"G"	"C"	"A"	"A"	"C"	"T"	"G"	"G"	"G"	"G"	"A"	"T"
	[,1541]	[,1542]	[,1543]	[,1544]	[,1545]	[,1546]	[,1547]	[,1548]	[,1549]	[,1550]	[,1551]	[,1552]	[,1553]
[1,]	"G"	"T"	"A"	"C"	"A"	"T"	"G"	"G"	"T"	"A"	"A"	"C"	"A"
[2,]	"G"	"T"	"A"	"C"	"A"	"T"	"G"	"G"	"T"	"A"	"A"	"C"	"A"
[3,]	"G"	"T"	"A"	"C"	"A"	"T"	"G"	"G"	"T"	"A"	"A"	"C"	"A"
[4,]	"G"	"T"	"A"	"C"	"A"	"T"	"G"	"G"	"T"	"A"	"A"	"C"	"A"
[5,]	"G"	"T"	"A"	"C"	"A"	"T"	"G"	"G"	"T"	"A"	"A"	"C"	"A"
[6,]	"G"	"T"	"A"	"C"	"A"	"T"	"G"	"G"	"T"	"A"	"A"	"C"	"A"
	[,1554]	[,1555]	[,1556]	[,1557]	[,1558]	[,1559]	[,1560]	[,1561]	[,1562]	[,1563]	[,1564]	[,1565]	[,1566]
[1,]	"G"	"T"	"G"	"A"	"T"	"C"	"A"	"T"	"A"	"G"	"G"	"C"	"C"
[2,]	"G"	"T"	"G"	"A"	"T"	"C"	"A"	"T"	"A"	"G"	"G"	"C"	"C"
[3,]	"G"	"T"	"G"	"A"	"T"	"C"	"A"	"T"	"A"	"G"	"G"	"C"	"C"
[4,]	"G"	"T"	"G"	"A"	"T"	"C"	"A"	"T"	"A"	"G"	"G"	"C"	"C"
[5,]	"G"	"T"	"G"	"A"	"T"	"C"	"A"	"T"	"A"	"G"	"G"	"C"	"C"
[6,]	"G"	"T"	"G"	"A"	"T"	"C"	"A"	"T"	"A"	"G"	"G"	"C"	"C"
	[,1567]	[,1568]	[,1569]	[,1570]	[,1571]	[,1572]	[,1573]	[,1574]	[,1575]	[,1576]	[,1577]	[,1578]	[,1579]
[1,]	"T"	"C"	"A"	"T"	"C"	"A"	"T"	"C"	"C"	"A"	"C"	"G"	"G"
[2,]	"T"	"C"	"A"	"T"	"C"	"A"	"T"	"C"	"C"	"A"	"C"	"G"	"G"
[3,]	"T"	"C"	"A"	"T"	"C"	"A"	"T"	"C"	"C"	"A"	"C"	"G"	"G"

[4,]	"T"	"C"	"A"	"T"	"C"	"A"	"T"	"C"	"C"	"A"	"C"	"G"	"G"
[5,]	"T"	"C"	"A"	"T"	"C"	"A"	"T"	"C"	"C"	"A"	"C"	"G"	"G"
[6,]	"T"	"C"	"A"	"T"	"C"	"A"	"T"	"C"	"C"	"A"	"C"	"G"	"G"
	[,1580]	[,1581]	[,1582]	[,1583]	[,1584]	[,1585]	[,1586]	[,1587]	[,1588]	[,1589]	[,1590]	[,1591]	[,1592]
[1,]	"G"	"G"	"G"	"C"	"A"	"T"	"C"	"T"	"T"	"T"	"C"	"T"	"C"
[2,]	"G"	"G"	"G"	"C"	"A"	"T"	"C"	"T"	"T"	"T"	"C"	"T"	"C"
[3,]	"G"	"G"	"G"	"C"	"A"	"T"	"C"	"T"	"T"	"T"	"C"	"T"	"C"
[4,]	"G"	"G"	"G"	"C"	"A"	"T"	"C"	"T"	"T"	"T"	"C"	"T"	"C"
[5,]	"G"	"G"	"G"	"C"	"A"	"T"	"C"	"T"	"T"	"T"	"C"	"T"	"C"
[6,]	"G"	"G"	"G"	"C"	"A"	"T"	"C"	"T"	"T"	"T"	"C"	"T"	"C"
	[,1593]	[,1594]	[,1595]	[,1596]	[,1597]	[,1598]	[,1599]	[,1600]	[,1601]	[,1602]	[,1603]	[,1604]	[,1605]
[1,]	"C"	"C"	"C"	"T"	"T"	"G"	"A"	"T"	"T"	"T"	"A"	"C"	"T"
[2,]	"C"	"C"	"C"	"T"	"T"	"G"	"A"	"T"	"T"	"T"	"A"	"C"	"T"
[3,]	"C"	"C"	"C"	"T"	"T"	"G"	"A"	"T"	"T"	"T"	"A"	"C"	"T"
[4,]	"C"	"C"	"C"	"T"	"T"	"G"	"A"	"T"	"T"	"T"	"A"	"C"	"T"
[5,]	"C"	"C"	"C"	"T"	"T"	"G"	"A"	"T"	"T"	"T"	"A"	"C"	"T"
[6,]	"C"	"C"	"C"	"T"	"T"	"G"	"A"	"T"	"T"	"T"	"A"	"C"	"T"
	[,1606]	[,1607]	[,1608]	[,1609]	[,1610]	[,1611]	[,1612]	[,1613]	[,1614]	[,1615]	[,1616]	[,1617]	[,1618]
[1,]	"T"	"T"	"T"	"T"	"A"	"G"	"A"	"G"	"A"	"C"	"C"	"A"	"G"
[2,]	"T"	"T"	"G"	"T"	"A"	"G"	"T"	"G"	"A"	"C"	"C"	"A"	"G"
[3,]	"T"	"T"	"G"	"T"	"A"	"G"	"T"	"G"	"A"	"C"	"C"	"A"	"G"
[4,]	"T"	"T"	"G"	"T"	"A"	"G"	"T"	"G"	"A"	"C"	"C"	"A"	"G"
[5,]	"T"	"T"	"G"	"T"	"A"	"G"	"T"	"G"	"A"	"C"	"C"	"A"	"G"
[6,]	"T"	"T"	"G"	"T"	"A"	"G"	"T"	"G"	"A"	"C"	"C"	"A"	"G"
	[,1619]	[,1620]	[,1621]	[,1622]	[,1623]	[,1624]	[,1625]	[,1626]	[,1627]	[,1628]	[,1629]	[,1630]	[,1631]
[1,]	"G"	"A"	"A"	"A"	"A"	"A"	"C"	"C"	"C"	"C"	"T"	"T"	"C"
[2,]	"G"	"A"	"A"	"A"	"A"	"A"	"C"	"C"	"C"	"C"	"T"	"T"	"C"
[3,]	"G"	"A"	"A"	"A"	"A"	"A"	"C"	"C"	"C"	"C"	"T"	"T"	"C"
[4,]	"G"	"A"	"A"	"A"	"A"	"A"	"C"	"C"	"C"	"C"	"T"	"T"	"C"
[5,]	"G"	"A"	"A"	"A"	"A"	"A"	"C"	"C"	"C"	"C"	"T"	"T"	"C"
[6,]	"G"	"A"	"A"	"A"	"A"	"A"	"C"	"C"	"C"	"C"	"T"	"T"	"C"
	[,1632]	[,1633]	[,1634]	[,1635]	[,1636]	[,1637]	[,1638]	[,1639]	[,1640]	[,1641]	[,1642]	[,1643]	[,1644]
[1,]	"T"	"C"	"T"	"T"	"T"	"T"	"T"	"T"	"T"	"G"	"C"	"T"	"G"
[2,]	"T"	"C"	"C"	"T"	"T"	"T"	"T"	"T"	"T"	"G"	"C"	"T"	"G"
[3,]	"T"	"C"	"C"	"T"	"T"	"T"	"T"	"T"	"T"	"G"	"C"	"T"	"G"
[4,]	"T"	"C"	"C"	"T"	"T"	"T"	"T"	"T"	"T"	"G"	"C"	"T"	"G"
[5,]	"T"	"C"	"C"	"T"	"T"	"T"	"T"	"T"	"T"	"G"	"C"	"T"	"G"
[6,]	"T"	"C"	"C"	"T"	"T"	"T"	"T"	"T"	"T"	"G"	"C"	"T"	"G"
	[,1645]	[,1646]	[,1647]	[,1648]	[,1649]	[,1650]	[,1651]	[,1652]	[,1653]	[,1654]	[,1655]	[,1656]	[,1657]
[1,]	"G"	"C"	"A"	"T"	"T"	"T"	"C"	"C"	"C"	"A"	"G"	"G"	"C"
[2,]	"G"	"C"	"A"	"T"	"T"	"T"	"C"	"C"	"C"	"A"	"G"	"G"	"C"
[3,]	"G"	"C"	"A"	"T"	"T"	"T"	"C"	"C"	"C"	"A"	"G"	"G"	"C"
[4,]	"G"	"C"	"A"	"T"	"T"	"T"	"C"	"C"	"C"	"A"	"G"	"G"	"C"
[5,]	"G"	"C"	"A"	"T"	"T"	"T"	"C"	"C"	"C"	"A"	"G"	"G"	"C"
[6,]	"G"	"C"	"A"	"T"	"T"	"T"	"C"	"C"	"C"	"A"	"G"	"G"	"C"
	[,1658]	[,1659]	[,1660]	[,1661]	[,1662]	[,1663]	[,1664]	[,1665]	[,1666]	[,1667]	[,1668]	[,1669]	[,1670]
[1,]	"T"	"T"	"G"	"G"	"A"	"T"	"C"	"A"	"C"	"T"	"G"	"C"	"C"
[2,]	"T"	"T"	"G"	"G"	"A"	"T"	"C"	"A"	"C"	"T"	"G"	"C"	"C"
[3,]	"T"	"T"	"G"	"G"	"A"	"T"	"C"	"A"	"C"	"T"	"G"	"C"	"C"
[4,]	"T"	"T"	"G"	"G"	"A"	"T"	"C"	"A"	"C"	"T"	"G"	"C"	"C"
[5,]	"T"	"T"	"G"	"G"	"A"	"T"	"C"	"A"	"C"	"T"	"G"	"C"	"C"
[6,]	"T"	"T"	"G"	"G"	"A"	"T"	"C"	"A"	"C"	"T"	"G"	"C"	"C"
	[,1671]	[,1672]	[,1673]	[,1674]	[,1675]	[,1676]	[,1677]	[,1678]	[,1679]	[,1680]	[,1681]	[,1682]	[,1683]
[1,]	"C"	"T"	"G"	"G"	"G"	"C"	"A"	"C"	"C"	"G"	"C"	"T"	"T"
[2,]	"C"	"T"	"G"	"G"	"G"	"C"	"A"	"C"	"C"	"G"	"C"	"T"	"T"
[3,]	"C"	"T"	"G"	"G"	"G"	"C"	"A"	"C"	"C"	"G"	"C"	"T"	"T"
[4,]	"C"	"T"	"G"	"G"	"G"	"C"	"A"	"C"	"C"	"G"	"C"	"T"	"T"
[5,]	"C"	"T"	"G"	"G"	"G"	"C"	"A"	"C"	"C"	"G"	"C"	"T"	"T"
[6,]	"C"	"T"	"G"	"G"	"G"	"C"	"A"	"C"	"C"	"G"	"C"	"T"	"T"
	[,1684]	[,1685]	[,1686]	[,1687]	[,1688]	[,1689]	[,1690]	[,1691]	[,1692]	[,1693]	[,1694]	[,1695]	[,1696]
[1,]	"C"	"C"	"A"	"G"	"T"	"G"	"C"	"T"	"G"	"G"	"A"	"A"	"C"
[2,]	"C"	"C"	"A"	"G"	"T"	"G"	"C"	"T"	"G"	"G"	"A"	"A"	"C"
[3,]	"C"	"C"	"A"	"G"	"T"	"G"	"C"	"T"	"G"	"G"	"A"	"A"	"C"
[4,]	"C"	"C"	"A"	"G"	"T"	"G"	"C"	"T"	"G"	"G"	"A"	"A"	"C"
[5,]	"C"	"C"	"A"	"G"	"T"	"G"	"C"	"T"	"G"	"G"	"A"	"A"	"C"
[6,]	"C"	"C"	"A"	"G"	"T"	"G"	"C"	"T"	"G"	"G"	"A"	"A"	"C"
	[,1697]	[,1698]	[,1699]	[,1700]	[,1701]	[,1702]	[,1703]	[,1704]	[,1705]	[,1706]	[,1707]	[,1708]	[,1709]
[1,]	"T"	"T"	"T"	"G"	"C"	"C"	"T"	"G"	"T"	"C"	"A"	"C"	"C"
[2,]	"T"	"T"	"T"	"G"	"C"	"C"	"T"	"G"	"T"	"C"	"A"	"C"	"C"
[3,]	"T"	"T"	"T"	"G"	"C"	"C"	"T"	"G"	"T"	"C"	"A"	"C"	"C"
[4,]	"T"	"T"	"T"	"G"	"C"	"C"	"T"	"G"	"T"	"C"	"A"	"C"	"C"
[5,]	"T"	"T"	"T"	"G"	"C"	"C"	"T"	"G"	"T"	"C"	"A"	"C"	"C"
[6,]	"T"	"T"	"T"	"G"	"C"	"C"	"T"	"G"	"T"	"C"	"A"	"C"	"C"
	[,1710]	[,1711]	[,1712]	[,1713]	[,1714]	[,1715]	[,1716]	[,1717]	[,1718]	[,1719]	[,1720]	[,1721]	[,1722]
[1,]	"T"	"T"	"G"	"T"	"T"	"T"	"G"	"C"	"C"	"C"	"T"	"G"	"G"
[2,]	"T"	"T"	"T"	"C"	"G"	"T"	"T"	"G"	"C"	"C"	"T"	"G"	"G"

[3,]	"T"	"T"	"C"	"C"	"G"	"T"	"T"	"G"	"C"	"C"	"T"	"G"	"G"
[4,]	"T"	"T"	"T"	"C"	"G"	"T"	"T"	"G"	"C"	"C"	"T"	"G"	"G"
[5,]	"T"	"T"	"T"	"C"	"G"	"T"	"T"	"G"	"C"	"C"	"T"	"G"	"G"
[6,]	"T"	"T"	"C"	"C"	"G"	"T"	"T"	"G"	"C"	"C"	"T"	"G"	"G"
	[,1723]	[,1724]	[,1725]	[,1726]	[,1727]	[,1728]	[,1729]	[,1730]	[,1731]	[,1732]	[,1733]	[,1734]	[,1735]
[1,]	"A"	"A"	"G"	"A"	"A"	"A"	"A"	"T"	"C"	"T"	"G"	"G"	"G"
[2,]	"A"	"A"	"G"	"A"	"A"	"A"	"A"	"T"	"C"	"T"	"G"	"G"	"G"
[3,]	"A"	"A"	"G"	"A"	"A"	"A"	"A"	"T"	"C"	"T"	"G"	"G"	"G"
[4,]	"A"	"A"	"G"	"A"	"A"	"A"	"A"	"T"	"C"	"T"	"G"	"G"	"G"
[5,]	"A"	"A"	"G"	"A"	"A"	"A"	"A"	"T"	"C"	"T"	"G"	"G"	"G"
[6,]	"A"	"A"	"G"	"A"	"A"	"A"	"A"	"T"	"C"	"T"	"G"	"G"	"G"
	[,1736]	[,1737]	[,1738]	[,1739]	[,1740]	[,1741]	[,1742]	[,1743]	[,1744]	[,1745]	[,1746]	[,1747]	[,1748]
[1,]	"G"	"A"	"T"	"T"	"G"	"A"	"T"	"A"	"A"	"G"	"C"	"G"	"T"
[2,]	"G"	"A"	"T"	"T"	"G"	"A"	"T"	"A"	"A"	"G"	"C"	"G"	"T"
[3,]	"G"	"A"	"T"	"T"	"G"	"A"	"T"	"A"	"A"	"G"	"C"	"G"	"T"
[4,]	"G"	"A"	"T"	"T"	"G"	"A"	"T"	"A"	"A"	"G"	"C"	"G"	"T"
[5,]	"G"	"A"	"T"	"T"	"G"	"A"	"T"	"A"	"A"	"G"	"C"	"G"	"T"
[6,]	"G"	"A"	"T"	"T"	"G"	"A"	"T"	"A"	"A"	"G"	"C"	"G"	"T"
	[,1749]	[,1750]	[,1751]	[,1752]	[,1753]	[,1754]	[,1755]	[,1756]	[,1757]	[,1758]	[,1759]	[,1760]	[,1761]
[1,]	"G"	"T"	"G"	"A"	"C"	"T"	"A"	"G"	"A"	"T"	"T"	"C"	"G"
[2,]	"G"	"T"	"G"	"A"	"C"	"T"	"A"	"G"	"A"	"T"	"T"	"C"	"G"
[3,]	"G"	"T"	"G"	"A"	"C"	"T"	"A"	"G"	"A"	"T"	"T"	"C"	"G"
[4,]	"G"	"T"	"G"	"A"	"C"	"T"	"A"	"G"	"A"	"T"	"T"	"C"	"G"
[5,]	"G"	"T"	"G"	"A"	"C"	"T"	"A"	"G"	"A"	"T"	"T"	"C"	"G"
[6,]	"G"	"T"	"G"	"A"	"C"	"T"	"A"	"G"	"A"	"T"	"T"	"C"	"G"
	[,1762]	[,1763]	[,1764]	[,1765]	[,1766]	[,1767]	[,1768]	[,1769]	[,1770]	[,1771]	[,1772]	[,1773]	[,1774]
[1,]	"T"	"C"	"C"	"T"	"T"	"C"	"C"	"T"	"G"	"T"	"T"	"G"	"G"
[2,]	"T"	"C"	"C"	"T"	"T"	"C"	"C"	"T"	"G"	"T"	"T"	"G"	"G"
[3,]	"T"	"C"	"C"	"T"	"T"	"C"	"C"	"T"	"G"	"T"	"T"	"G"	"G"
[4,]	"T"	"C"	"C"	"T"	"T"	"C"	"C"	"T"	"G"	"T"	"T"	"G"	"G"
[5,]	"T"	"C"	"C"	"T"	"T"	"C"	"C"	"T"	"G"	"T"	"T"	"G"	"G"
[6,]	"T"	"C"	"C"	"T"	"T"	"C"	"C"	"T"	"G"	"T"	"T"	"G"	"G"
	[,1775]	[,1776]	[,1777]	[,1778]	[,1779]	[,1780]	[,1781]	[,1782]	[,1783]	[,1784]	[,1785]	[,1786]	[,1787]
[1,]	"A"	"G"	"C"	"A"	"A"	"C"	"C"	"A"	"T"	"T"	"A"	"A"	"C"
[2,]	"A"	"G"	"C"	"A"	"A"	"C"	"C"	"A"	"T"	"T"	"A"	"A"	"C"
[3,]	"A"	"G"	"C"	"A"	"A"	"C"	"C"	"A"	"T"	"T"	"A"	"A"	"C"
[4,]	"A"	"G"	"C"	"A"	"A"	"C"	"C"	"A"	"T"	"T"	"A"	"A"	"C"
[5,]	"A"	"G"	"C"	"A"	"A"	"C"	"C"	"A"	"T"	"T"	"A"	"A"	"C"
[6,]	"A"	"G"	"C"	"A"	"A"	"C"	"C"	"A"	"T"	"T"	"A"	"A"	"C"
	[,1788]	[,1789]	[,1790]	[,1791]	[,1792]	[,1793]	[,1794]	[,1795]	[,1796]	[,1797]	[,1798]	[,1799]	[,1800]
[1,]	"A"	"T"	"G"	"G"	"A"	"T"	"G"	"G"	"T"	"A"	"C"	"A"	"G"
[2,]	"A"	"T"	"G"	"G"	"A"	"T"	"G"	"G"	"T"	"A"	"C"	"A"	"G"
[3,]	"A"	"T"	"G"	"G"	"A"	"T"	"G"	"G"	"T"	"A"	"C"	"A"	"G"
[4,]	"A"	"T"	"G"	"G"	"A"	"T"	"G"	"G"	"T"	"A"	"C"	"A"	"G"
[5,]	"A"	"T"	"G"	"G"	"A"	"T"	"G"	"G"	"T"	"A"	"C"	"A"	"G"
[6,]	"A"	"T"	"G"	"G"	"A"	"T"	"G"	"G"	"T"	"A"	"C"	"A"	"G"
	[,1801]	[,1802]	[,1803]	[,1804]	[,1805]	[,1806]	[,1807]	[,1808]	[,1809]	[,1810]	[,1811]	[,1812]	[,1813]
[1,]	"C"	"C"	"C"	"T"	"T"	"T"	"A"	"T"	"G"	"A"	"A"	"G"	"C"
[2,]	"C"	"C"	"C"	"T"	"T"	"T"	"A"	"T"	"G"	"A"	"A"	"G"	"C"
[3,]	"C"	"C"	"C"	"T"	"T"	"T"	"A"	"T"	"G"	"A"	"A"	"G"	"C"
[4,]	"C"	"C"	"C"	"T"	"T"	"T"	"A"	"T"	"G"	"A"	"A"	"G"	"C"
[5,]	"C"	"C"	"C"	"T"	"T"	"T"	"A"	"T"	"G"	"A"	"A"	"G"	"C"
[6,]	"C"	"C"	"C"	"T"	"T"	"T"	"A"	"T"	"G"	"A"	"A"	"G"	"C"
	[,1814]	[,1815]	[,1816]	[,1817]	[,1818]	[,1819]	[,1820]	[,1821]	[,1822]	[,1823]	[,1824]	[,1825]	[,1826]
[1,]	"G"	"G"	"T"	"A"	"G"	"C"	"C"	"G"	"C"	"C"	"A"	"T"	"C"
[2,]	"G"	"G"	"T"	"G"	"G"	"C"	"C"	"G"	"C"	"C"	"A"	"T"	"C"
[3,]	"G"	"G"	"T"	"G"	"G"	"C"	"C"	"G"	"C"	"C"	"A"	"T"	"C"
[4,]	"G"	"G"	"T"	"G"	"G"	"C"	"C"	"G"	"C"	"C"	"A"	"T"	"C"
[5,]	"G"	"G"	"T"	"G"	"G"	"C"	"C"	"G"	"C"	"C"	"A"	"T"	"C"
[6,]	"G"	"G"	"T"	"G"	"G"	"C"	"C"	"G"	"C"	"C"	"A"	"T"	"C"
	[,1827]	[,1828]	[,1829]	[,1830]	[,1831]	[,1832]	[,1833]	[,1834]	[,1835]	[,1836]	[,1837]	[,1838]	[,1839]
[1,]	"T"	"T"	"T"	"A"	"T"	"A"	"G"	"C"	"C"	"C"	"A"	"A"	"A"
[2,]	"T"	"T"	"T"	"A"	"T"	"A"	"G"	"C"	"C"	"C"	"A"	"A"	"A"
[3,]	"T"	"T"	"T"	"A"	"T"	"A"	"G"	"C"	"C"	"C"	"A"	"A"	"A"
[4,]	"T"	"T"	"T"	"A"	"T"	"A"	"G"	"C"	"C"	"C"	"A"	"A"	"A"
[5,]	"T"	"T"	"T"	"A"	"T"	"A"	"G"	"C"	"C"	"C"	"A"	"A"	"A"
[6,]	"T"	"T"	"T"	"A"	"T"	"A"	"G"	"C"	"C"	"C"	"A"	"A"	"A"
	[,1840]	[,1841]	[,1842]	[,1843]	[,1844]	[,1845]	[,1846]	[,1847]	[,1848]	[,1849]	[,1850]	[,1851]	[,1852]
[1,]	"T"	"G"	"A"	"A"	"T"	"G"	"G"	"T"	"G"	"T"	"T"	"G"	"T"
[2,]	"T"	"G"	"A"	"A"	"T"	"G"	"G"	"T"	"G"	"T"	"T"	"G"	"T"
[3,]	"T"	"G"	"A"	"A"	"T"	"G"	"G"	"T"	"G"	"T"	"T"	"G"	"T"
[4,]	"T"	"G"	"A"	"A"	"T"	"G"	"G"	"T"	"G"	"T"	"T"	"G"	"T"
[5,]	"T"	"G"	"A"	"A"	"T"	"G"	"G"	"T"	"G"	"T"	"T"	"G"	"T"
[6,]	"T"	"G"	"A"	"A"	"T"	"G"	"G"	"T"	"G"	"T"	"T"	"G"	"T"
	[,1853]	[,1854]	[,1855]	[,1856]	[,1857]	[,1858]	[,1859]	[,1860]	[,1861]	[,1862]	[,1863]	[,1864]	[,1865]
[1,]	"C"	"C"	"T"	"G"	"G"	"A"	"T"	"G"	"G"	"A"	"G"	"G"	"A"

[2,]	"C"	"C"	"T"	"G"	"G"	"A"	"T"	"G"	"G"	"A"	"G"	"G"	"A"
[3,]	"C"	"C"	"T"	"G"	"G"	"A"	"T"	"G"	"G"	"A"	"G"	"G"	"A"
[4,]	"C"	"C"	"T"	"G"	"G"	"A"	"T"	"G"	"G"	"A"	"G"	"G"	"A"
[5,]	"C"	"C"	"T"	"G"	"G"	"A"	"T"	"G"	"G"	"A"	"G"	"G"	"A"
[6,]	"C"	"C"	"T"	"G"	"G"	"A"	"T"	"G"	"G"	"A"	"G"	"G"	"A"
	[,1866]	[,1867]	[,1868]	[,1869]	[,1870]	[,1871]	[,1872]	[,1873]	[,1874]	[,1875]	[,1876]	[,1877]	[,1878]
[1,]	"C"	"A"	"G"	"A"	"T"	"T"	"G"	"T"	"G"	"A"	"C"	"T"	"G"
[2,]	"C"	"A"	"G"	"A"	"T"	"T"	"G"	"T"	"G"	"A"	"C"	"T"	"G"
[3,]	"C"	"A"	"A"	"A"	"T"	"T"	"G"	"T"	"G"	"A"	"C"	"T"	"G"
[4,]	"C"	"A"	"G"	"A"	"T"	"T"	"G"	"T"	"G"	"A"	"C"	"T"	"G"
[5,]	"C"	"A"	"G"	"A"	"T"	"T"	"G"	"T"	"G"	"A"	"C"	"T"	"G"
[6,]	"C"	"A"	"G"	"A"	"T"	"T"	"G"	"T"	"G"	"A"	"C"	"T"	"G"
	[,1879]	[,1880]	[,1881]	[,1882]	[,1883]	[,1884]	[,1885]	[,1886]	[,1887]	[,1888]	[,1889]	[,1890]	[,1891]
[1,]	"T"	"A"	"A"	"G"	"C"	"C"	"T"	"C"	"A"	"C"	"A"	"G"	"C"
[2,]	"T"	"A"	"A"	"G"	"C"	"C"	"T"	"C"	"A"	"C"	"A"	"G"	"C"
[3,]	"T"	"A"	"A"	"G"	"C"	"C"	"T"	"C"	"A"	"C"	"A"	"G"	"C"
[4,]	"T"	"A"	"A"	"G"	"C"	"C"	"T"	"C"	"A"	"C"	"A"	"G"	"C"
[5,]	"T"	"A"	"A"	"G"	"C"	"C"	"T"	"C"	"A"	"C"	"A"	"G"	"C"
[6,]	"T"	"A"	"A"	"G"	"C"	"C"	"T"	"C"	"A"	"C"	"A"	"G"	"C"
	[,1892]	[,1893]	[,1894]	[,1895]	[,1896]	[,1897]	[,1898]	[,1899]	[,1900]	[,1901]	[,1902]	[,1903]	[,1904]
[1,]	"C"	"A"	"C"	"C"	"C"	"T"	"G"	"G"	"C"	"A"	"A"	"G"	"C"
[2,]	"C"	"A"	"C"	"C"	"C"	"T"	"G"	"G"	"C"	"A"	"A"	"G"	"C"
[3,]	"C"	"A"	"C"	"C"	"C"	"T"	"G"	"G"	"C"	"A"	"A"	"G"	"C"
[4,]	"C"	"A"	"C"	"C"	"C"	"T"	"G"	"G"	"C"	"A"	"A"	"G"	"C"
[5,]	"C"	"A"	"C"	"C"	"C"	"T"	"G"	"G"	"C"	"A"	"A"	"G"	"C"
[6,]	"C"	"A"	"C"	"C"	"C"	"T"	"G"	"G"	"C"	"A"	"A"	"G"	"C"
	[,1905]	[,1906]	[,1907]	[,1908]	[,1909]	[,1910]	[,1911]	[,1912]	[,1913]	[,1914]	[,1915]	[,1916]	[,1917]
[1,]	"G"	"T"	"C"	"G"	"G"	"C"	"G"	"C"	"G"	"G"	"C"	"C"	"A"
[2,]	"G"	"T"	"C"	"G"	"G"	"C"	"G"	"C"	"G"	"G"	"C"	"C"	"A"
[3,]	"G"	"T"	"C"	"G"	"G"	"C"	"G"	"C"	"G"	"G"	"C"	"C"	"A"
[4,]	"G"	"T"	"C"	"G"	"G"	"C"	"G"	"C"	"G"	"G"	"C"	"C"	"A"
[5,]	"G"	"T"	"C"	"G"	"G"	"C"	"G"	"C"	"G"	"G"	"C"	"C"	"A"
[6,]	"A"	"T"	"C"	"G"	"G"	"C"	"G"	"C"	"G"	"G"	"C"	"C"	"A"
	[,1918]	[,1919]	[,1920]	[,1921]	[,1922]	[,1923]	[,1924]	[,1925]	[,1926]	[,1927]	[,1928]	[,1929]	[,1930]
[1,]	"G"	"T"	"A"	"T"	"C"	"C"	"C"	"C"	"A"	"G"	"T"	"G"	"C"
[2,]	"G"	"T"	"A"	"T"	"C"	"C"	"C"	"C"	"A"	"G"	"T"	"G"	"C"
[3,]	"G"	"T"	"A"	"T"	"C"	"C"	"C"	"C"	"A"	"G"	"T"	"G"	"C"
[4,]	"G"	"T"	"A"	"T"	"C"	"C"	"C"	"C"	"A"	"G"	"T"	"G"	"C"
[5,]	"G"	"T"	"A"	"T"	"C"	"C"	"C"	"C"	"A"	"G"	"T"	"G"	"C"
[6,]	"G"	"T"	"A"	"T"	"C"	"C"	"C"	"C"	"A"	"G"	"T"	"G"	"C"
	[,1931]	[,1932]	[,1933]	[,1934]	[,1935]	[,1936]	[,1937]	[,1938]	[,1939]	[,1940]	[,1941]	[,1942]	[,1943]
[1,]	"C"	"G"	"G"	"G"	"C"	"T"	"G"	"G"	"T"	"C"	"A"	"C"	"C"
[2,]	"C"	"G"	"G"	"G"	"C"	"T"	"G"	"G"	"T"	"C"	"A"	"C"	"C"
[3,]	"C"	"G"	"G"	"G"	"C"	"T"	"G"	"G"	"T"	"C"	"A"	"C"	"C"
[4,]	"C"	"G"	"G"	"G"	"C"	"T"	"G"	"G"	"T"	"C"	"A"	"C"	"C"
[5,]	"T"	"G"	"G"	"G"	"C"	"T"	"G"	"G"	"T"	"C"	"A"	"C"	"C"
[6,]	"C"	"G"	"G"	"G"	"C"	"T"	"G"	"G"	"T"	"C"	"A"	"C"	"C"
	[,1944]	[,1945]	[,1946]	[,1947]	[,1948]	[,1949]	[,1950]	[,1951]	[,1952]	[,1953]	[,1954]	[,1955]	[,1956]
[1,]	"A"	"T"	"G"	"C"	"T"	"C"	"C"	"T"	"C"	"A"	"T"	"T"	"C"
[2,]	"A"	"T"	"G"	"C"	"T"	"C"	"C"	"T"	"C"	"A"	"T"	"T"	"C"
[3,]	"A"	"T"	"G"	"C"	"T"	"C"	"C"	"T"	"C"	"A"	"T"	"T"	"C"
[4,]	"A"	"T"	"G"	"C"	"T"	"C"	"C"	"T"	"C"	"A"	"T"	"T"	"C"
[5,]	"A"	"T"	"G"	"C"	"T"	"C"	"C"	"T"	"C"	"A"	"T"	"T"	"C"
[6,]	"A"	"T"	"G"	"C"	"T"	"C"	"C"	"T"	"C"	"A"	"T"	"T"	"C"
	[,1957]	[,1958]	[,1959]	[,1960]	[,1961]	[,1962]	[,1963]	[,1964]	[,1965]	[,1966]	[,1967]	[,1968]	[,1969]
[1,]	"T"	"G"	"A"	"C"	"A"	"G"	"C"	"C"	"G"	"T"	"G"	"G"	"G"
[2,]	"T"	"G"	"A"	"C"	"A"	"G"	"C"	"C"	"G"	"T"	"G"	"G"	"G"
[3,]	"T"	"G"	"A"	"C"	"A"	"G"	"C"	"T"	"G"	"T"	"G"	"G"	"G"
[4,]	"T"	"G"	"A"	"C"	"G"	"G"	"C"	"C"	"G"	"T"	"G"	"G"	"G"
[5,]	"T"	"G"	"A"	"C"	"G"	"G"	"C"	"C"	"G"	"T"	"G"	"G"	"G"
[6,]	"T"	"G"	"A"	"C"	"G"	"G"	"C"	"C"	"G"	"T"	"G"	"G"	"G"
	[,1970]	[,1971]	[,1972]	[,1973]	[,1974]	[,1975]	[,1976]	[,1977]	[,1978]	[,1979]	[,1980]	[,1981]	[,1982]
[1,]	"C"	"C"	"T"	"G"	"C"	"C"	"A"	"A"	"C"	"A"	"G"	"A"	"G"
[2,]	"C"	"C"	"T"	"G"	"C"	"C"	"A"	"A"	"C"	"A"	"G"	"A"	"G"
[3,]	"C"	"C"	"T"	"G"	"C"	"C"	"A"	"A"	"C"	"A"	"G"	"A"	"G"
[4,]	"C"	"C"	"T"	"G"	"C"	"C"	"A"	"A"	"C"	"A"	"G"	"A"	"G"
[5,]	"C"	"C"	"T"	"G"	"C"	"C"	"A"	"A"	"C"	"A"	"G"	"A"	"G"
[6,]	"C"	"C"	"T"	"G"	"C"	"C"	"A"	"A"	"C"	"A"	"G"	"A"	"G"
	[,1983]	[,1984]	[,1985]	[,1986]	[,1987]	[,1988]	[,1989]	[,1990]	[,1991]	[,1992]	[,1993]	[,1994]	[,1995]
[1,]	"G"	"A"	"C"	"A"	"T"	"C"	"A"	"G"	"C"	"C"	"T"	"G"	"C"
[2,]	"G"	"A"	"C"	"A"	"T"	"C"	"A"	"G"	"C"	"C"	"T"	"G"	"C"
[3,]	"G"	"A"	"C"	"A"	"T"	"C"	"A"	"G"	"C"	"C"	"T"	"G"	"C"
[4,]	"G"	"A"	"C"	"A"	"T"	"C"	"A"	"G"	"C"	"C"	"T"	"G"	"C"
[5,]	"G"	"A"	"C"	"A"	"T"	"C"	"A"	"G"	"C"	"C"	"T"	"G"	"C"
[6,]	"G"	"A"	"C"	"A"	"T"	"C"	"A"	"G"	"C"	"C"	"T"	"G"	"C"
	[,1996]	[,1997]	[,1998]	[,1999]	[,2000]	[,2001]	[,2002]	[,2003]	[,2004]	[,2005]	[,2006]	[,2007]	[,2008]

[1,]	"T"	"G"	"G"	"T"	"G"	"G"	"C"	"T"	"G"	"T"	"G"	"G"	"A"
[2,]	"T"	"G"	"G"	"T"	"G"	"G"	"C"	"T"	"G"	"T"	"G"	"G"	"A"
[3,]	"T"	"G"	"G"	"T"	"G"	"G"	"C"	"T"	"G"	"T"	"G"	"G"	"A"
[4,]	"T"	"G"	"G"	"T"	"G"	"G"	"C"	"T"	"G"	"T"	"G"	"G"	"A"
[5,]	"T"	"G"	"G"	"T"	"G"	"G"	"C"	"T"	"G"	"T"	"G"	"G"	"A"
[6,]	"T"	"A"	"G"	"T"	"G"	"G"	"C"	"T"	"G"	"T"	"G"	"G"	"A"
	[,2009]	[,2010]	[,2011]	[,2012]	[,2013]	[,2014]	[,2015]	[,2016]	[,2017]	[,2018]	[,2019]	[,2020]	[,2021]
[1,]	"C"	"T"	"G"	"G"	"C"	"T"	"G"	"C"	"T"	"G"	"G"	"A"	"C"
[2,]	"C"	"T"	"G"	"G"	"C"	"T"	"G"	"C"	"T"	"G"	"G"	"A"	"C"
[3,]	"C"	"T"	"G"	"G"	"C"	"T"	"G"	"C"	"T"	"G"	"G"	"A"	"T"
[4,]	"C"	"T"	"G"	"G"	"C"	"T"	"G"	"C"	"T"	"G"	"G"	"A"	"C"
[5,]	"C"	"T"	"G"	"G"	"C"	"T"	"G"	"C"	"T"	"G"	"G"	"A"	"C"
[6,]	"C"	"T"	"G"	"G"	"C"	"T"	"G"	"C"	"T"	"G"	"G"	"A"	"C"
	[,2022]	[,2023]	[,2024]	[,2025]	[,2026]	[,2027]	[,2028]	[,2029]	[,2030]	[,2031]	[,2032]	[,2033]	[,2034]
[1,]	"A"	"G"	"G"	"A"	"T"	"G"	"A"	"G"	"A"	"A"	"C"	"T"	"T"
[2,]	"A"	"G"	"G"	"A"	"T"	"G"	"A"	"G"	"A"	"A"	"C"	"T"	"T"
[3,]	"A"	"G"	"G"	"A"	"T"	"G"	"A"	"G"	"A"	"A"	"C"	"T"	"T"
[4,]	"A"	"G"	"G"	"A"	"T"	"G"	"A"	"G"	"A"	"A"	"C"	"T"	"T"
[5,]	"A"	"G"	"G"	"A"	"T"	"G"	"A"	"G"	"A"	"A"	"C"	"T"	"T"
[6,]	"A"	"G"	"G"	"A"	"T"	"G"	"A"	"G"	"A"	"A"	"C"	"T"	"T"
	[,2035]	[,2036]	[,2037]	[,2038]	[,2039]	[,2040]	[,2041]	[,2042]	[,2043]	[,2044]	[,2045]	[,2046]	[,2047]
[1,]	"C"	"A"	"G"	"T"	"C"	"A"	"A"	"T"	"G"	"T"	"T"	"G"	"T"
[2,]	"C"	"A"	"G"	"T"	"C"	"A"	"A"	"T"	"G"	"T"	"T"	"G"	"T"
[3,]	"C"	"A"	"G"	"T"	"C"	"A"	"A"	"T"	"G"	"T"	"T"	"G"	"T"
[4,]	"C"	"A"	"G"	"T"	"C"	"A"	"A"	"T"	"G"	"T"	"T"	"G"	"T"
[5,]	"C"	"A"	"G"	"T"	"C"	"A"	"A"	"T"	"G"	"T"	"T"	"G"	"T"
[6,]	"C"	"A"	"G"	"T"	"C"	"A"	"A"	"T"	"G"	"T"	"T"	"G"	"T"
	[,2048]	[,2049]	[,2050]	[,2051]	[,2052]	[,2053]	[,2054]	[,2055]	[,2056]	[,2057]	[,2058]	[,2059]	[,2060]
[1,]	"G"	"G"	"G"	"T"	"G"	"A"	"C"	"T"	"C"	"T"	"T"	"T"	"T"
[2,]	"G"	"G"	"G"	"T"	"G"	"A"	"C"	"T"	"C"	"T"	"T"	"T"	"T"
[3,]	"G"	"G"	"G"	"T"	"G"	"A"	"C"	"T"	"C"	"T"	"T"	"T"	"T"
[4,]	"G"	"G"	"G"	"T"	"G"	"A"	"C"	"T"	"C"	"T"	"T"	"T"	"T"
[5,]	"G"	"G"	"G"	"T"	"G"	"A"	"C"	"T"	"C"	"T"	"T"	"T"	"T"
[6,]	"G"	"G"	"G"	"T"	"G"	"A"	"C"	"T"	"C"	"T"	"T"	"T"	"T"
	[,2061]	[,2062]	[,2063]	[,2064]	[,2065]	[,2066]	[,2067]	[,2068]	[,2069]	[,2070]	[,2071]	[,2072]	[,2073]
[1,]	"G"	"G"	"G"	"G"	"C"	"T"	"G"	"G"	"G"	"A"	"T"	"A"	"G"
[2,]	"G"	"G"	"G"	"G"	"C"	"T"	"G"	"G"	"G"	"A"	"T"	"A"	"G"
[3,]	"G"	"G"	"G"	"G"	"C"	"T"	"G"	"G"	"G"	"A"	"T"	"A"	"G"
[4,]	"G"	"G"	"G"	"G"	"C"	"T"	"G"	"G"	"G"	"A"	"T"	"A"	"G"
[5,]	"G"	"G"	"G"	"G"	"C"	"T"	"G"	"G"	"G"	"A"	"T"	"A"	"G"
[6,]	"G"	"G"	"G"	"G"	"C"	"T"	"G"	"G"	"G"	"A"	"T"	"A"	"G"
	[,2074]	[,2075]	[,2076]	[,2077]	[,2078]	[,2079]	[,2080]	[,2081]	[,2082]	[,2083]	[,2084]	[,2085]	[,2086]
[1,]	"T"	"C"	"T"	"A"	"T"	"C"	"A"	"C"	"C"	"T"	"C"	"T"	"C"
[2,]	"T"	"C"	"T"	"A"	"T"	"C"	"A"	"C"	"C"	"T"	"C"	"T"	"C"
[3,]	"T"	"C"	"T"	"A"	"T"	"C"	"A"	"C"	"C"	"T"	"C"	"T"	"C"
[4,]	"T"	"C"	"T"	"A"	"T"	"C"	"A"	"C"	"C"	"T"	"C"	"T"	"C"
[5,]	"T"	"C"	"T"	"A"	"T"	"C"	"A"	"C"	"C"	"T"	"C"	"T"	"C"
[6,]	"T"	"C"	"T"	"A"	"T"	"C"	"A"	"C"	"C"	"T"	"C"	"T"	"C"
	[,2087]	[,2088]	[,2089]	[,2090]	[,2091]	[,2092]	[,2093]	[,2094]	[,2095]	[,2096]	[,2097]	[,2098]	[,2099]
[1,]	"C"	"A"	"A"	"G"	"T"	"C"	"T"	"G"	"A"	"G"	"C"	"T"	"G"
[2,]	"C"	"A"	"A"	"G"	"T"	"C"	"T"	"G"	"A"	"G"	"C"	"T"	"G"
[3,]	"C"	"A"	"A"	"G"	"T"	"C"	"T"	"G"	"A"	"G"	"C"	"T"	"G"
[4,]	"C"	"A"	"A"	"G"	"T"	"C"	"T"	"G"	"A"	"G"	"C"	"T"	"G"
[5,]	"C"	"A"	"A"	"G"	"T"	"C"	"T"	"G"	"A"	"G"	"C"	"T"	"G"
[6,]	"C"	"A"	"A"	"G"	"T"	"C"	"T"	"G"	"A"	"G"	"C"	"T"	"G"
	[,2100]	[,2101]	[,2102]	[,2103]	[,2104]	[,2105]	[,2106]	[,2107]	[,2108]	[,2109]	[,2110]	[,2111]	[,2112]
[1,]	"G"	"A"	"T"	"A"	"C"	"C"	"A"	"T"	"T"	"G"	"A"	"C"	"T"
[2,]	"G"	"A"	"T"	"A"	"C"	"C"	"A"	"T"	"T"	"G"	"A"	"C"	"T"
[3,]	"G"	"A"	"T"	"A"	"C"	"C"	"A"	"T"	"T"	"G"	"A"	"C"	"T"
[4,]	"G"	"A"	"T"	"A"	"C"	"C"	"A"	"T"	"T"	"G"	"A"	"C"	"T"
[5,]	"G"	"A"	"T"	"A"	"C"	"C"	"A"	"T"	"T"	"G"	"A"	"C"	"T"
[6,]	"G"	"A"	"T"	"A"	"C"	"C"	"A"	"T"	"T"	"G"	"A"	"C"	"T"
	[,2113]	[,2114]	[,2115]	[,2116]	[,2117]	[,2118]	[,2119]	[,2120]	[,2121]	[,2122]	[,2123]	[,2124]	[,2125]
[1,]	"C"	"C"	"C"	"A"	"G"	"C"	"A"	"T"	"C"	"G"	"A"	"G"	"T"
[2,]	"C"	"C"	"C"	"A"	"G"	"C"	"A"	"T"	"C"	"G"	"A"	"G"	"T"
[3,]	"C"	"C"	"C"	"A"	"G"	"C"	"A"	"T"	"C"	"G"	"A"	"G"	"T"
[4,]	"C"	"C"	"C"	"A"	"G"	"C"	"A"	"T"	"C"	"G"	"A"	"G"	"T"
[5,]	"C"	"C"	"C"	"A"	"G"	"C"	"A"	"T"	"C"	"G"	"A"	"G"	"T"
[6,]	"C"	"C"	"C"	"A"	"G"	"C"	"A"	"T"	"C"	"G"	"A"	"G"	"T"
	[,2126]	[,2127]	[,2128]	[,2129]	[,2130]	[,2131]	[,2132]	[,2133]	[,2134]	[,2135]	[,2136]	[,2137]	[,2138]
[1,]	"G"	"C"	"A"	"T"	"G"	"A"	"A"	"G"	"A"	"T"	"A"	"T"	"T"
[2,]	"G"	"C"	"A"	"T"	"G"	"A"	"A"	"G"	"A"	"T"	"A"	"T"	"T"
[3,]	"G"	"C"	"A"	"T"	"G"	"A"	"A"	"G"	"A"	"T"	"A"	"T"	"T"
[4,]	"G"	"C"	"A"	"T"	"G"	"A"	"A"	"G"	"A"	"T"	"A"	"T"	"T"
[5,]	"G"	"C"	"A"	"T"	"G"	"A"	"A"	"G"	"A"	"T"	"A"	"T"	"T"
[6,]	"G"	"C"	"A"	"T"	"G"	"A"	"A"	"G"	"A"	"T"	"A"	"T"	"T"

	[,2139]	[,2140]	[,2141]	[,2142]	[,2143]	[,2144]	[,2145]	[,2146]	[,2147]	[,2148]	[,2149]	[,2150]	[,2151]
[1,]	"G"	"A"	"A"	"A"	"T"	"G"	"A"	"C"	"C"	"A"	"A"	"G"	"A"
[2,]	"G"	"A"	"A"	"A"	"T"	"G"	"A"	"C"	"C"	"A"	"A"	"G"	"A"
[3,]	"G"	"A"	"A"	"A"	"T"	"G"	"A"	"C"	"C"	"A"	"A"	"G"	"A"
[4,]	"G"	"A"	"A"	"A"	"T"	"G"	"A"	"C"	"C"	"A"	"A"	"G"	"A"
[5,]	"G"	"A"	"A"	"A"	"T"	"G"	"A"	"C"	"C"	"A"	"A"	"G"	"A"
[6,]	"G"	"A"	"A"	"A"	"T"	"G"	"A"	"C"	"C"	"A"	"A"	"G"	"A"
	[,2152]	[,2153]	[,2154]	[,2155]	[,2156]	[,2157]	[,2158]	[,2159]	[,2160]	[,2161]	[,2162]	[,2163]	[,2164]
[1,]	"C"	"T"	"C"	"A"	"A"	"T"	"C"	"C"	"A"	"T"	"T"	"T"	"A"
[2,]	"C"	"T"	"C"	"A"	"A"	"T"	"C"	"C"	"A"	"T"	"T"	"T"	"A"
[3,]	"C"	"T"	"C"	"A"	"A"	"T"	"C"	"C"	"A"	"T"	"T"	"T"	"A"
[4,]	"C"	"T"	"C"	"A"	"A"	"T"	"C"	"C"	"A"	"T"	"T"	"T"	"A"
[5,]	"C"	"T"	"C"	"A"	"A"	"T"	"C"	"C"	"A"	"T"	"T"	"T"	"A"
[6,]	"C"	"T"	"C"	"A"	"G"	"T"	"C"	"C"	"A"	"T"	"T"	"T"	"A"
	[,2165]	[,2166]	[,2167]	[,2168]	[,2169]	[,2170]	[,2171]	[,2172]	[,2173]	[,2174]	[,2175]	[,2176]	[,2177]
[1,]	"T"	"G"	"A"	"T"	"G"	"A"	"C"	"A"	"T"	"G"	"A"	"A"	"G"
[2,]	"T"	"G"	"A"	"T"	"G"	"A"	"C"	"A"	"T"	"G"	"A"	"A"	"G"
[3,]	"T"	"G"	"A"	"T"	"G"	"A"	"C"	"A"	"T"	"G"	"A"	"A"	"G"
[4,]	"T"	"G"	"A"	"T"	"G"	"A"	"C"	"A"	"T"	"G"	"A"	"A"	"G"
[5,]	"T"	"G"	"A"	"T"	"G"	"A"	"C"	"A"	"T"	"G"	"A"	"A"	"G"
[6,]	"T"	"G"	"A"	"T"	"G"	"A"	"C"	"A"	"T"	"G"	"A"	"A"	"G"
	[,2178]	[,2179]	[,2180]	[,2181]	[,2182]	[,2183]	[,2184]	[,2185]	[,2186]	[,2187]	[,2188]	[,2189]	[,2190]
[1,]	"A"	"A"	"C"	"C"	"A"	"C"	"A"	"G"	"G"	"G"	"A"	"A"	"A"
[2,]	"A"	"A"	"C"	"C"	"A"	"T"	"A"	"G"	"G"	"G"	"A"	"A"	"A"
[3,]	"A"	"A"	"C"	"C"	"A"	"C"	"A"	"G"	"G"	"G"	"A"	"A"	"A"
[4,]	"A"	"A"	"C"	"C"	"A"	"C"	"A"	"G"	"G"	"G"	"A"	"A"	"A"
[5,]	"A"	"A"	"C"	"C"	"A"	"C"	"A"	"G"	"G"	"G"	"A"	"A"	"A"
[6,]	"A"	"A"	"C"	"C"	"A"	"T"	"A"	"G"	"G"	"G"	"A"	"A"	"A"
	[,2191]	[,2192]	[,2193]	[,2194]	[,2195]	[,2196]	[,2197]	[,2198]	[,2199]	[,2200]	[,2201]	[,2202]	[,2203]
[1,]	"G"	"C"	"A"	"A"	"C"	"T"	"C"	"T"	"A"	"A"	"T"	"C"	"A"
[2,]	"G"	"C"	"A"	"A"	"C"	"T"	"C"	"T"	"A"	"A"	"T"	"C"	"A"
[3,]	"G"	"C"	"A"	"A"	"C"	"T"	"C"	"T"	"A"	"A"	"T"	"C"	"A"
[4,]	"G"	"C"	"A"	"A"	"C"	"T"	"C"	"T"	"A"	"A"	"T"	"C"	"A"
[5,]	"G"	"C"	"A"	"A"	"C"	"T"	"C"	"T"	"A"	"A"	"T"	"C"	"A"
[6,]	"G"	"C"	"A"	"A"	"C"	"T"	"C"	"T"	"A"	"A"	"T"	"C"	"A"
	[,2204]	[,2205]	[,2206]	[,2207]	[,2208]	[,2209]	[,2210]	[,2211]	[,2212]	[,2213]	[,2214]	[,2215]	[,2216]
[1,]	"A"	"T"	"G"	"T"	"G"	"T"	"C"	"T"	"A"	"T"	"G"	"C"	"T"
[2,]	"A"	"T"	"G"	"T"	"G"	"T"	"C"	"T"	"A"	"T"	"G"	"C"	"T"
[3,]	"A"	"T"	"G"	"T"	"G"	"T"	"C"	"T"	"A"	"T"	"G"	"C"	"T"
[4,]	"A"	"T"	"G"	"T"	"G"	"T"	"C"	"T"	"A"	"T"	"G"	"C"	"T"
[5,]	"A"	"T"	"G"	"T"	"G"	"T"	"C"	"T"	"A"	"T"	"G"	"C"	"T"
[6,]	"A"	"T"	"G"	"T"	"G"	"T"	"C"	"T"	"A"	"T"	"G"	"C"	"T"
	[,2217]	[,2218]	[,2219]	[,2220]	[,2221]	[,2222]	[,2223]	[,2224]	[,2225]	[,2226]	[,2227]	[,2228]	[,2229]
[1,]	"G"	"C"	"A"	"C"	"A"	"C"	"A"	"A"	"C"	"T"	"C"	"C"	"G"
[2,]	"G"	"C"	"A"	"C"	"A"	"C"	"A"	"A"	"C"	"T"	"C"	"C"	"G"
[3,]	"G"	"C"	"A"	"C"	"A"	"C"	"A"	"A"	"C"	"T"	"C"	"T"	"G"
[4,]	"G"	"C"	"A"	"C"	"A"	"C"	"A"	"A"	"C"	"T"	"C"	"T"	"G"
[5,]	"G"	"C"	"A"	"C"	"A"	"C"	"A"	"A"	"C"	"T"	"C"	"T"	"G"
[6,]	"G"	"C"	"A"	"C"	"A"	"C"	"A"	"A"	"C"	"T"	"C"	"T"	"G"
	[,2230]	[,2231]	[,2232]	[,2233]	[,2234]	[,2235]	[,2236]	[,2237]	[,2238]	[,2239]	[,2240]	[,2241]	[,2242]
[1,]	"T"	"C"	"A"	"T"	"A"	"G"	"T"	"A"	"G"	"A"	"T"	"G"	"A"
[2,]	"T"	"C"	"A"	"T"	"A"	"G"	"T"	"A"	"G"	"A"	"T"	"G"	"A"
[3,]	"T"	"C"	"A"	"T"	"A"	"G"	"T"	"A"	"G"	"A"	"T"	"G"	"A"
[4,]	"T"	"C"	"A"	"T"	"A"	"G"	"T"	"A"	"G"	"A"	"T"	"G"	"A"
[5,]	"T"	"C"	"A"	"T"	"A"	"G"	"T"	"A"	"G"	"A"	"T"	"G"	"A"
[6,]	"T"	"C"	"A"	"T"	"A"	"G"	"T"	"A"	"G"	"A"	"T"	"G"	"A"
	[,2243]	[,2244]	[,2245]	[,2246]	[,2247]	[,2248]	[,2249]	[,2250]	[,2251]	[,2252]	[,2253]	[,2254]	[,2255]
[1,]	"A"	"T"	"G"	"C"	"A"	"A"	"G"	"G"	"T"	"A"	"A"	"C"	"T"
[2,]	"A"	"T"	"G"	"C"	"A"	"A"	"G"	"G"	"T"	"A"	"A"	"C"	"T"
[3,]	"A"	"T"	"G"	"C"	"A"	"A"	"G"	"G"	"T"	"A"	"A"	"C"	"T"
[4,]	"A"	"T"	"G"	"C"	"A"	"A"	"G"	"G"	"T"	"A"	"A"	"C"	"T"
[5,]	"A"	"T"	"G"	"C"	"A"	"A"	"G"	"G"	"T"	"A"	"A"	"C"	"T"
[6,]	"A"	"T"	"G"	"C"	"A"	"A"	"G"	"G"	"T"	"A"	"A"	"C"	"T"
	[,2256]	[,2257]	[,2258]	[,2259]	[,2260]	[,2261]	[,2262]	[,2263]	[,2264]	[,2265]	[,2266]	[,2267]	[,2268]
[1,]	"C"	"T"	"G"	"G"	"C"	"A"	"G"	"C"	"C"	"A"	"A"	"T"	"G"
[2,]	"C"	"T"	"G"	"G"	"C"	"A"	"G"	"C"	"C"	"A"	"A"	"T"	"G"
[3,]	"C"	"T"	"G"	"G"	"C"	"A"	"G"	"C"	"C"	"A"	"A"	"T"	"G"
[4,]	"C"	"T"	"G"	"G"	"C"	"A"	"G"	"C"	"C"	"A"	"A"	"T"	"G"
[5,]	"C"	"T"	"G"	"G"	"C"	"A"	"G"	"C"	"C"	"A"	"A"	"T"	"G"
[6,]	"C"	"T"	"G"	"G"	"C"	"A"	"G"	"C"	"C"	"A"	"A"	"T"	"G"
	[,2269]	[,2270]	[,2271]	[,2272]	[,2273]	[,2274]	[,2275]	[,2276]	[,2277]	[,2278]	[,2279]	[,2280]	[,2281]
[1,]	"G"	"A"	"A"	"A"	"G"	"T"	"C"	"A"	"G"	"C"	"C"	"G"	"A"
[2,]	"G"	"A"	"A"	"A"	"G"	"T"	"C"	"A"	"G"	"C"	"C"	"G"	"A"
[3,]	"G"	"A"	"A"	"A"	"G"	"T"	"C"	"A"	"G"	"C"	"C"	"G"	"A"
[4,]	"G"	"A"	"A"	"A"	"G"	"T"	"C"	"A"	"G"	"C"	"C"	"G"	"A"
[5,]	"G"	"A"	"A"	"A"	"G"	"T"	"C"	"A"	"G"	"C"	"C"	"G"	"A"

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[5,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[6,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[1,]	[,2425]	[,2426]	[,2427]	[,2428]	[,2429]	[,2430]	[,2431]	[,2432]	[,2433]	[,2434]	[,2435]	[,2436]	[,2437]	
[2,]	"C"	"T"	"A"	"T"	"G"	"T"	"T"	"T"	"A"	"C"	"T"	"T"	"T"	
[3,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	
[4,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	
[5,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	
[6,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	
[1,]	[,2438]	[,2439]	[,2440]	[,2441]	[,2442]	[,2443]	[,2444]	[,2445]	[,2446]	[,2447]	[,2448]	[,2449]	[,2450]	
[2,]	"A"	"A"	"T"	"C"	"T"	"G"	"T"	"T"	"A"	"G"	"C"	"C"	"G"	
[3,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	
[4,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	
[5,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	
[6,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	
[1,]	[,2451]	[,2452]	[,2453]	[,2454]	[,2455]	[,2456]	[,2457]	[,2458]	[,2459]	[,2460]	[,2461]	[,2462]	[,2463]	
[2,]	"A"	"G"	"G"	"C"	"T"	"T"	"A"	"G"	"A"	"G"	"G"	"A"	"G"	
[3,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	
[4,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	
[5,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	
[6,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	
[1,]	[,2464]	[,2465]	[,2466]	[,2467]	[,2468]	[,2469]	[,2470]	[,2471]	[,2472]	[,2473]	[,2474]	[,2475]	[,2476]	
[2,]	"C"	"T"	"C"	"T"	"T"	"G"	"T"	"G"	"A"	"G"	"T"	"C"	"A"	
[3,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	
[4,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	
[5,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	
[6,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	
[1,]	[,2477]	[,2478]	[,2479]	[,2480]	[,2481]	[,2482]	[,2483]	[,2484]	[,2485]	[,2486]	[,2487]	[,2488]	[,2489]	
[2,]	"G"	"T"	"G"	"A"	"T"	"G"	"A"	"C"	"A"	"G"	"G"	"C"	"A"	
[3,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	
[4,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	
[5,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	
[6,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	
[1,]	[,2490]	[,2491]	[,2492]	[,2493]	[,2494]	[,2495]	[,2496]	[,2497]	[,2498]	[,2499]	[,2500]	[,2501]	[,2502]	
[2,]	"C"	"G"	"G"	"T"	"G"	"C"	"T"	"G"	"T"	"G"	"T"	"C"	"T"	
[3,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	
[4,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	
[5,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	
[6,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	
[1,]	[,2503]	[,2504]	[,2505]	[,2506]	[,2507]	[,2508]	[,2509]	[,2510]	[,2511]	[,2512]	[,2513]	[,2514]	[,2515]	
[2,]	"T"	"T"	"G"	"C"	"C"	"A"	"A"	"A"	"T"	"A"	"A"	"T"	"G"	
[3,														

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[2,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	
[3,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	
[4,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	
[5,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	
[6,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	
[1,]	[,2854]	[,2855]	[,2856]	[,2857]	[,2858]	[,2859]	[,2860]	[,2861]	[,2862]	[,2863]	[,2864]	[,2865]	[,2866]
[2,]	"G"	"G"	"G"	"A"	"T"	"T"	"C"	"T"	"G"	"A"	"A"	"A"	"A"
[3,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[4,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[5,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[6,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[1,]	[,2867]	[,2868]	[,2869]	[,2870]	[,2871]	[,2872]	[,2873]	[,2874]	[,2875]	[,2876]	[,2877]	[,2878]	[,2879]
[2,]	"A"	"T"	"T"	"T"	"A"	"T"	"C"	"T"	"T"	"C"	"C"	"A"	"T"
[3,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[4,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[5,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[6,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[1,]	[,2880]	[,2881]	[,2882]	[,2883]	[,2884]	[,2885]	[,2886]	[,2887]	[,2888]	[,2889]	[,2890]	[,2891]	[,2892]
[2,]	"A"	"T"	"C"	"C"	"T"	"C"	"T"	"T"	"T"	"A"	"G"	"A"	"T"
[3,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[4,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[5,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[6,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[1,]	[,2893]	[,2894]	[,2895]	[,2896]	[,2897]	[,2898]	[,2899]	[,2900]	[,2901]	[,2902]	[,2903]	[,2904]	[,2905]
[2,]	"A"	"A"	"A"	"A"	"T"	"G"	"T"	"T"	"T"	"C"	"A"	"A"	"A"
[3,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[4,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[5,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[6,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[1,]	[,2906]	[,2907]	[,2908]	[,2909]	[,2910]	[,2911]	[,2912]	[,2913]	[,2914]	[,2915]	[,2916]	[,2917]	[,2918]
[2,]	"G"	"A"	"C"	"A"	"G"	"T"	"T"	"T"	"T"	"A"	"A"	"A"	"G"
[3,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[4,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[5,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[6,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[1,]	[,2919]	[,2920]	[,2921]	[,2922]	[,2923]	[,2924]	[,2925]	[,2926]	[,2927]	[,2928]	[,2929]	[,2930]	[,2931]
[2,]	"G"	"G"	"A"	"G"	"C"	"C"	"A"	"T"	"G"	"C"	"T"	"C"	"T"
[3,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[4,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[5,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[6,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[1,]	[,2932]	[,2933]	[,2934]	[,2935]	[,2936]	[,2937]	[,2938]	[,2939]	[,2940]	[,2941]	[,2942]	[,2943]	[,2944]
[2,]	"T"	"A"											

[1,]	"C"	"T"	"G"	"T"	"G"	"A"	"G"	"A"	"A"	"C"	"A"	"A"	"T"
[2,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[3,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[4,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[5,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[6,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[1,]	[,2997]	[,2998]	[,2999]	[,3000]	[,3001]	[,3002]	[,3003]	[,3004]	[,3005]	[,3006]	[,3007]	[,3008]	[,3009]
[2,]	"G"	"G"	"T"	"T"	"G"	"A"	"A"	"A"	"T"	"T"	"T"	"C"	"A"
[3,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[4,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[5,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[6,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[1,]	[,3010]	[,3011]	[,3012]	[,3013]	[,3014]	[,3015]	[,3016]	[,3017]	[,3018]	[,3019]	[,3020]	[,3021]	[,3022]
[2,]	"A"	"A"	"G"	"T"	"A"	"T"	"G"	"T"	"T"	"T"	"C"	"A"	"T"
[3,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[4,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[5,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[6,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[1,]	[,3023]	[,3024]	[,3025]	[,3026]	[,3027]	[,3028]	[,3029]	[,3030]	[,3031]	[,3032]	[,3033]	[,3034]	[,3035]
[2,]	"T"	"A"	"T"	"T"	"C"	"T"	"T"	"T"	"C"	"T"	"A"	"A"	"A"
[3,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[4,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[5,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[6,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[1,]	[,3036]	[,3037]	[,3038]	[,3039]	[,3040]	[,3041]	[,3042]	[,3043]	[,3044]	[,3045]	[,3046]	[,3047]	[,3048]
[2,]	"T"	"T"	"T"	"G"	"A"	"T"	"A"	"A"	"T"	"T"	"G"	"A"	"T"
[3,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[4,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[5,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[6,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[1,]	[,3049]	[,3050]	[,3051]	[,3052]	[,3053]	[,3054]	[,3055]	[,3056]	[,3057]	[,3058]	[,3059]	[,3060]	[,3061]
[2,]	"T"	"A"	"G"	"G"	"A"	"A"	"G"	"T"	"A"	"T"	"T"	"T"	"T"
[3,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[4,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[5,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[6,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[1,]	[,3062]	[,3063]	[,3064]	[,3065]	[,3066]	[,3067]	[,3068]	[,3069]	[,3070]	[,3071]	[,3072]	[,3073]	[,3074]
[2,]	"A"	"T"	"A"	"T"	"A"	"T"	"A"	"A"	"C"	"C"	"A"	"C"	"T"
[3,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[4,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[5,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[6,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[1,]	[,3075]	[,3076]	[,3077]	[,30									

	[,1127]	[,1128]	[,1129]	[,1130]	[,1131]	[,1132]	[,1133]	[,1134]	[,1135]	[,1136]	[,1137]	[,1138]	[,1139]
[1,]	"T"	"T"	"A"	"A"	"A"	"T"	"A"	"T"	"T"	"C"	"A"	"A"	"A"
[2,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[3,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[4,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[5,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[6,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
	[,1140]	[,1141]	[,1142]	[,1143]	[,1144]	[,1145]	[,1146]	[,1147]	[,1148]	[,1149]	[,1150]	[,1151]	[,1152]
[1,]	"T"	"T"	"T"	"A"	"T"	"T"	"T"	"A"	"T"	"G"	"T"	"T"	"C"
[2,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[3,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[4,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[5,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[6,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
	[,1153]	[,1154]	[,1155]	[,1156]	[,1157]	[,1158]	[,1159]	[,1160]	[,1161]	[,1162]	[,1163]	[,1164]	[,1165]
[1,]	"G"	"G"	"T"	"T"	"T"	"G"	"C"	"C"	"T"	"T"	"C"	"A"	"C"
[2,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[3,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[4,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[5,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[6,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
	[,1166]	[,1167]	[,1168]	[,1169]	[,1170]	[,1171]	[,1172]	[,1173]	[,1174]	[,1175]	[,1176]	[,1177]	[,1178]
[1,]	"C"	"T"	"G"	"G"	"T"	"G"	"T"	"A"	"G"	"T"	"A"	"A"	"A"
[2,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[3,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[4,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[5,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[6,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
	[,1179]	[,1180]	[,1181]	[,1182]	[,1183]	[,1184]	[,1185]	[,1186]	[,1187]	[,1188]	[,1189]	[,1190]	[,1191]
[1,]	"A"	"T"	"C"	"A"	"A"	"A"	"T"	"G"	"A"	"G"	"A"	"T"	"T"
[2,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[3,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[4,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[5,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[6,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
	[,1192]	[,1193]	[,1194]	[,1195]	[,1196]	[,1197]	[,1198]	[,1199]	[,1200]	[,1201]	[,1202]	[,1203]	[,1204]
[1,]	"A"	"T"	"T"	"G"	"G"	"G"	"T"	"A"	"T"	"G"	"T"	"G"	"T"
[2,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[3,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[4,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[5,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[6,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
	[,1205]	[,1206]	[,1207]	[,1208]	[,1209]	[,121							

[illegible]

[illegible]

[illegible]

[illegible]

[2,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[3,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[4,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[5,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[6,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[1,]	[,3842]	[,3843]	[,3844]	[,3845]	[,3846]	[,3847]	[,3848]	[,3849]	[,3850]	[,3851]	[,3852]	[,3853]	[,3854]
[2,]	"G"	"A"	"A"	"T"	"A"	"A"	"A"	"A"	"G"	"C"	"A"	"A"	"A"
[3,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[4,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[5,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[6,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[1,]	[,3855]	[,3856]	[,3857]	[,3858]	[,3859]	[,3860]	[,3861]	[,3862]	[,3863]	[,3864]	[,3865]	[,3866]	[,3867]
[2,]	"T"	"T"	"T"	"G"	"A"	"C"	"T"	"C"	"T"	"A"	"G"	"G"	"A"
[3,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[4,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[5,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[6,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[1,]	[,3868]	[,3869]	[,3870]	[,3871]	[,3872]	[,3873]	[,3874]	[,3875]	[,3876]	[,3877]	[,3878]	[,3879]	[,3880]
[2,]	"A"	"G"	"T"	"A"	"T"	"G"	"T"	"A"	"G"	"A"	"C"	"C"	"C"
[3,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[4,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[5,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[6,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[1,]	[,3881]	[,3882]	[,3883]	[,3884]	[,3885]	[,3886]	[,3887]	[,3888]	[,3889]	[,3890]	[,3891]	[,3892]	[,3893]
[2,]	"T"	"T"	"G"	"T"	"T"	"T"	"A"	"T"	"A"	"G"	"G"	"T"	"G"
[3,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[4,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[5,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[6,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[1,]	[,3894]	[,3895]	[,3896]	[,3897]	[,3898]	[,3899]	[,3900]	[,3901]	[,3902]	[,3903]	[,3904]	[,3905]	[,3906]
[2,]	"A"	"G"	"A"	"A"	"T"	"A"	"G"	"G"	"C"	"T"	"G"	"T"	"A"
[3,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[4,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[5,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[6,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[1,]	[,3907]	[,3908]	[,3909]	[,3910]	[,3911]	[,3912]	[,3913]	[,3914]	[,3915]	[,3916]	[,3917]	[,3918]	[,3919]
[2,]	"T"	"T"	"A"	"T"	"A"	"T"	"G"	"A"	"A"	"A"	"C"	"C"	"A"
[3,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[4,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[5,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[6,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[1,]	[,3920]	[,3921]	[,3922]	[,3923]	[,3924]	[,3925]	[,3926]	[,3927]	[,3928]	[,3929]	[,3930]	[,3931]	[,3

[1,]	"G"	"A"	"G"	"G"	"G"	"T"	"G"	"C"	"T"	"T"	"A"	"T"	"G"
[2,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[3,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[4,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[5,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[6,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[1,]	[,3985]	[,3986]	[,3987]	[,3988]	[,3989]	[,3990]	[,3991]	[,3992]	[,3993]	[,3994]	[,3995]	[,3996]	[,3997]
[2,]	"G"	"A"	"C"	"C"	"T"	"C"	"A"	"A"	"A"	"T"	"A"	"G"	"C"
[3,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[4,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[5,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[6,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[1,]	[,3998]	[,3999]	[,4000]	[,4001]	[,4002]	[,4003]	[,4004]	[,4005]	[,4006]	[,4007]	[,4008]	[,4009]	[,4010]
[2,]	"C"	"T"	"T"	"T"	"C"	"T"	"T"	"A"	"T"	"C"	"T"	"G"	"C"
[3,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[4,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[5,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[6,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[1,]	[,4011]	[,4012]	[,4013]	[,4014]	[,4015]	[,4016]	[,4017]	[,4018]	[,4019]	[,4020]	[,4021]	[,4022]	[,4023]
[2,]	"T"	"C"	"C"	"T"	"T"	"G"	"T"	"G"	"A"	"C"	"T"	"T"	"C"
[3,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[4,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[5,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[6,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[1,]	[,4024]	[,4025]	[,4026]	[,4027]	[,4028]	[,4029]	[,4030]	[,4031]	[,4032]	[,4033]	[,4034]	[,4035]	[,4036]
[2,]	"T"	"C"	"T"	"C"	"T"	"T"	"T"	"T"	"A"	"A"	"A"	"T"	"C"
[3,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[4,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[5,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[6,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[1,]	[,4037]	[,4038]	[,4039]	[,4040]	[,4041]	[,4042]	[,4043]	[,4044]	[,4045]	[,4046]	[,4047]	[,4048]	[,4049]
[2,]	"A"	"G"	"A"	"T"	"A"	"C"	"C"	"T"	"T"	"T"	"G"	"A"	"A"
[3,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[4,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[5,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[6,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[1,]	[,4050]	[,4051]	[,4052]	[,4053]	[,4054]	[,4055]	[,4056]	[,4057]	[,4058]	[,4059]	[,4060]	[,4061]	[,4062]
[2,]	"A"	"C"	"A"	"T"	"A"	"C"	"A"	"A"	"G"	"A"	"G"	"A"	"C"
[3,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[4,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[5,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[6,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[1,]	[,4063]	[,4064]	[,4065]	[,40									

	[,4115]	[,4116]	[,4117]	[,4118]	[,4119]	[,4120]	[,4121]	[,4122]	[,4123]	[,4124]	[,4125]	[,4126]	[,4127]
[1,]	"A"	"T"	"C"	"A"	"C"	"T"	"A"	"C"	"T"	"G"	"A"	"A"	"C"
[2,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[3,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[4,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[5,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[6,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
	[,4128]	[,4129]	[,4130]	[,4131]	[,4132]	[,4133]	[,4134]	[,4135]	[,4136]	[,4137]	[,4138]	[,4139]	[,4140]
[1,]	"A"	"G"	"T"	"A"	"T"	"T"	"A"	"G"	"G"	"C"	"A"	"A"	"C"
[2,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[3,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[4,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[5,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[6,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
	[,4141]	[,4142]	[,4143]	[,4144]	[,4145]	[,4146]	[,4147]	[,4148]	[,4149]	[,4150]	[,4151]	[,4152]	[,4153]
[1,]	"T"	"T"	"T"	"T"	"C"	"A"	"T"	"T"	"T"	"T"	"T"	"G"	"C"
[2,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[3,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[4,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[5,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[6,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
	[,4154]	[,4155]	[,4156]	[,4157]	[,4158]	[,4159]	[,4160]	[,4161]	[,4162]	[,4163]	[,4164]	[,4165]	[,4166]
[1,]	"T"	"T"	"T"	"T"	"C"	"A"	"A"	"A"	"T"	"G"	"A"	"C"	"A"
[2,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[3,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[4,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[5,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[6,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
	[,4167]	[,4168]	[,4169]	[,4170]	[,4171]	[,4172]	[,4173]	[,4174]	[,4175]	[,4176]	[,4177]	[,4178]	[,4179]
[1,]	"T"	"T"	"G"	"G"	"T"	"C"	"T"	"T"	"T"	"A"	"T"	"T"	"T"
[2,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[3,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[4,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[5,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[6,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
	[,4180]	[,4181]	[,4182]	[,4183]	[,4184]	[,4185]	[,4186]	[,4187]	[,4188]	[,4189]	[,4190]	[,4191]	[,4192]
[1,]	"C"	"C"	"A"	"G"	"T"	"A"	"G"	"A"	"T"	"G"	"G"	"G"	"C"
[2,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[3,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[4,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[5,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[6,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
	[,4193]	[,4194]	[,4195]	[,4196]	[,4197]	[,419							

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[illegible]

[2,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[3,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[4,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[5,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[6,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[1,]	[,4830]	[,4831]	[,4832]	[,4833]	[,4834]	[,4835]	[,4836]	[,4837]	[,4838]	[,4839]	[,4840]	[,4841]	[,4842]
[2,]	"A"	"C"	"T"	"T"	"T"	"T"	"A"	"C"	"C"	"T"	"T"	"G"	"C"
[3,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[4,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[5,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[6,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[1,]	[,4843]	[,4844]	[,4845]	[,4846]	[,4847]	[,4848]	[,4849]	[,4850]	[,4851]	[,4852]	[,4853]	[,4854]	[,4855]
[2,]	"T"	"A"	"T"	"C"	"C"	"T"	"A"	"T"	"T"	"A"	"G"	"C"	"C"
[3,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[4,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[5,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[6,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[1,]	[,4856]	[,4857]	[,4858]	[,4859]	[,4860]	[,4861]	[,4862]	[,4863]	[,4864]	[,4865]	[,4866]	[,4867]	[,4868]
[2,]	"T"	"G"	"T"	"A"	"A"	"A"	"T"	"A"	"T"	"G"	"C"	"C"	"A"
[3,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[4,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[5,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[6,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[1,]	[,4869]	[,4870]	[,4871]	[,4872]	[,4873]	[,4874]	[,4875]	[,4876]	[,4877]	[,4878]	[,4879]	[,4880]	[,4881]
[2,]	"G"	"C"	"A"	"G"	"A"	"C"	"A"	"A"	"T"	"G"	"G"	"G"	"T"
[3,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[4,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[5,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[6,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[1,]	[,4882]	[,4883]	[,4884]	[,4885]	[,4886]	[,4887]	[,4888]	[,4889]	[,4890]	[,4891]	[,4892]	[,4893]	[,4894]
[2,]	"T"	"T"	"G"	"G"	"A"	"A"	"G"	"A"	"A"	"A"	"C"	"A"	"A"
[3,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[4,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[5,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[6,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[1,]	[,4895]	[,4896]	[,4897]	[,4898]	[,4899]	[,4900]	[,4901]	[,4902]	[,4903]	[,4904]	[,4905]	[,4906]	[,4907]
[2,]	"G"	"G"	"T"	"G"	"T"	"A"	"C"	"A"	"A"	"C"	"C"	"T"	"C"
[3,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[4,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[5,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[6,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[1,]	[,4908]	[,4909]	[,4910]	[,4911]	[,4912]	[,4913]	[,4914]	[,4915]	[,4916]	[,4917]	[,4918]	[,4919]	[,4

[1,]	"A"	"G"	"A"	"A"	"T"	"A"	"T"	"A"	"C"	"T"	"T"	"A"	"G"
[2,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[3,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[4,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[5,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[6,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[1,]	[,4973]	[,4974]	[,4975]	[,4976]	[,4977]	[,4978]	[,4979]	[,4980]	[,4981]	[,4982]	[,4983]	[,4984]	[,4985]
[2,]	"A"	"A"	"A"	"A"	"T"	"C"	"A"	"C"	"A"	"C"	"T"	"T"	"A"
[3,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[4,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[5,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[6,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[1,]	[,4986]	[,4987]	[,4988]	[,4989]	[,4990]	[,4991]	[,4992]	[,4993]	[,4994]	[,4995]	[,4996]	[,4997]	[,4998]
[2,]	"T"	"C"	"T"	"G"	"G"	"A"	"A"	"A"	"T"	"T"	"C"	"A"	"A"
[3,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[4,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[5,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[6,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[1,]	[,4999]	[,5000]	[,5001]	[,5002]	[,5003]	[,5004]	[,5005]	[,5006]	[,5007]	[,5008]	[,5009]	[,5010]	[,5011]
[2,]	"T"	"A"	"A"	"G"	"T"	"C"	"A"	"T"	"A"	"T"	"T"	"A"	"A"
[3,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[4,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[5,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[6,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[1,]	[,5012]	[,5013]	[,5014]	[,5015]	[,5016]	[,5017]	[,5018]	[,5019]	[,5020]	[,5021]	[,5022]	[,5023]	[,5024]
[2,]	"A"	"A"	"A"	"T"	"A"	"T"	"A"	"C"	"A"	"A"	"T"	"T"	"T"
[3,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[4,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[5,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[6,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[1,]	[,5025]	[,5026]	[,5027]	[,5028]	[,5029]	[,5030]	[,5031]	[,5032]	[,5033]	[,5034]	[,5035]	[,5036]	[,5037]
[2,]	"C"	"T"	"T"	"G"	"A"	"A"	"C"	"T"	"C"	"A"	"G"	"G"	"A"
[3,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[4,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[5,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[6,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[1,]	[,5038]	[,5039]	[,5040]	[,5041]	[,5042]	[,5043]	[,5044]	[,5045]	[,5046]	[,5047]	[,5048]	[,5049]	[,5050]
[2,]	"C"	"T"	"A"	"G"	"C"	"C"	"T"	"G"	"A"	"A"	"A"	"A"	"T"
[3,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[4,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[5,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[6,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[1,]	[,5051]	[,5052]	[,5053]	[,50									

	[,5103]	[,5104]	[,5105]	[,5106]	[,5107]	[,5108]	[,5109]	[,5110]	[,5111]	[,5112]	[,5113]	[,5114]	[,5115]
[1,]	"T"	"A"	"T"	"T"	"T"	"A"	"A"	"G"	"C"	"C"	"T"	"C"	"A"
[2,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[3,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[4,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[5,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[6,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
	[,5116]	[,5117]	[,5118]	[,5119]	[,5120]	[,5121]	[,5122]	[,5123]	[,5124]	[,5125]	[,5126]	[,5127]	[,5128]
[1,]	"T"	"T"	"T"	"A"	"T"	"T"	"T"	"C"	"T"	"C"	"C"	"C"	"T"
[2,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[3,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[4,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[5,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[6,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
	[,5129]	[,5130]	[,5131]	[,5132]	[,5133]	[,5134]	[,5135]	[,5136]	[,5137]	[,5138]	[,5139]	[,5140]	[,5141]
[1,]	"T"	"G"	"C"	"C"	"A"	"T"	"G"	"C"	"C"	"C"	"A"	"T"	"T"
[2,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[3,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[4,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[5,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[6,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
	[,5142]	[,5143]	[,5144]	[,5145]	[,5146]	[,5147]	[,5148]	[,5149]	[,5150]	[,5151]	[,5152]	[,5153]	[,5154]
[1,]	"T"	"G"	"G"	"G"	"A"	"T"	"T"	"T"	"T"	"C"	"T"	"T"	"T"
[2,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[3,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[4,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[5,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[6,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
	[,5155]	[,5156]	[,5157]	[,5158]	[,5159]	[,5160]	[,5161]	[,5162]	[,5163]	[,5164]	[,5165]	[,5166]	[,5167]
[1,]	"G"	"C"	"C"	"C"	"A"	"G"	"C"	"A"	"T"	"A"	"T"	"G"	"T"
[2,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[3,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[4,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[5,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[6,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
	[,5168]	[,5169]	[,5170]	[,5171]	[,5172]	[,5173]	[,5174]	[,5175]	[,5176]	[,5177]	[,5178]	[,5179]	[,5180]
[1,]	"G"	"C"	"C"	"A"	"T"	"A"	"A"	"A"	"C"	"A"	"G"	"A"	"A"
[2,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[3,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[4,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[5,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[6,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
	[,5181]	[,5182]	[,5183]	[,5184]	[,5185]	[,518							

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[illegible]

[illegible]

[3,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[4,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[5,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[6,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[1,]	[,5675]	[,5676]	[,5677]	[,5678]	[,5679]	[,5680]	[,5681]	[,5682]	[,5683]	[,5684]	[,5685]	[,5686]	[,5687]
[2,]	"A"	"T"	"C"	"A"	"T"	"C"	"T"	"A"	"G"	"A"	"T"	"C"	"T"
[3,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[4,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[5,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[6,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[1,]	[,5688]	[,5689]	[,5690]	[,5691]	[,5692]	[,5693]	[,5694]	[,5695]	[,5696]	[,5697]	[,5698]	[,5699]	[,5700]
[2,]	"C"	"A"	"C"	"A"	"G"	"A"	"T"	"C"	"T"	"T"	"C"	"A"	"A"
[3,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[4,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[5,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[6,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[1,]	[,5701]	[,5702]	[,5703]	[,5704]	[,5705]	[,5706]	[,5707]	[,5708]	[,5709]	[,5710]	[,5711]	[,5712]	[,5713]
[2,]	"C"	"A"	"T"	"A"	"G"	"G"	"A"	"C"	"T"	"C"	"T"	"A"	"G"
[3,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[4,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[5,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[6,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[1,]	[,5714]	[,5715]	[,5716]	[,5717]	[,5718]	[,5719]	[,5720]	[,5721]	[,5722]	[,5723]	[,5724]	[,5725]	[,5726]
[2,]	"G"	"T"	"T"	"A"	"T"	"G"	"A"	"G"	"A"	"G"	"C"	"T"	"G"
[3,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[4,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[5,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[6,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[1,]	[,5727]	[,5728]	[,5729]	[,5730]	[,5731]	[,5732]	[,5733]	[,5734]	[,5735]	[,5736]	[,5737]	[,5738]	[,5739]
[2,]	"A"	"A"	"C"	"C"	"A"	"C"	"A"	"T"	"A"	"G"	"C"	"T"	"A"
[3,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[4,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[5,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[6,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[1,]	[,5740]	[,5741]	[,5742]	[,5743]	[,5744]	[,5745]	[,5746]	[,5747]	[,5748]	[,5749]	[,5750]	[,5751]	[,5752]
[2,]	"T"	"C"	"A"	"G"	"T"	"T"	"T"	"C"	"A"	"G"	"T"	"T"	"T"
[3,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[4,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[5,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[6,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[1,]	[,5753]	[,5754]	[,5755]	[,5756]	[,5757]	[,5758]	[,5759]	[,5760]	[,5761]	[,5762]	[,5763]	[,5764]	[,5765]
[2,]	"T"	"T"	"A"	"C"	"T"	"T"	"C"	"C"	"T"	"A"	"G"	"T"	

[2,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	
[3,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	
[4,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	
[5,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	
[6,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	
[1,]	[,5818]	[,5819]	[,5820]	[,5821]	[,5822]	[,5823]	[,5824]	[,5825]	[,5826]	[,5827]	[,5828]	[,5829]	[,5830]
[2,]	"C"	"T"	"G"	"T"	"A"	"A"	"A"	"A"	"G"	"C"	"A"	"A"	"A"
[3,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[4,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[5,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[6,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[1,]	[,5831]	[,5832]	[,5833]	[,5834]	[,5835]	[,5836]	[,5837]	[,5838]	[,5839]	[,5840]	[,5841]	[,5842]	[,5843]
[2,]	"A"	"T"	"A"	"T"	"T"	"T"	"C"	"T"	"T"	"T"	"C"	"T"	"C"
[3,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[4,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[5,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[6,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
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[3,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[4,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[5,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[6,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[1,]	[,5857]	[,5858]	[,5859]	[,5860]	[,5861]	[,5862]	[,5863]	[,5864]	[,5865]	[,5866]	[,5867]	[,5868]	[,5869]
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[3,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[4,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[5,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[6,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
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[3,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[4,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[5,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[6,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[1,]	[,5883]	[,5884]	[,5885]	[,5886]	[,5887]	[,5888]	[,5889]	[,5890]	[,5891]	[,5892]	[,5893]	[,5894]	[,5895]
[2,]	"G"	"A"	"A"	"A"	"G"	"A"	"A"	"G"	"G"	"G"	"G"	"T"	"G"
[3,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[4,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[5,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[6,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[1,]	[,5896]	[,5897]	[,5898]	[,5899]	[,5900]	[,5901]	[,5902]	[,5903]	[,5904]	[,5905]	[,5906]	[,5907]	[,5908]
[2,]	"C"	"C"											

[1,]	"G"	"G"	"A"	"A"	"A"	"A"	"T"	"T"	"C"	"A"	"A"	"G"	"T"
[2,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[3,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[4,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[5,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[6,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[1,]	[,5961]	[,5962]	[,5963]	[,5964]	[,5965]	[,5966]	[,5967]	[,5968]	[,5969]	[,5970]	[,5971]	[,5972]	[,5973]
[2,]	"C"	"A"	"T"	"G"	"G"	"G"	"G"	"A"	"G"	"A"	"T"	"T"	"C"
[3,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[4,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[5,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[6,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[1,]	[,5974]	[,5975]	[,5976]	[,5977]	[,5978]	[,5979]	[,5980]	[,5981]	[,5982]	[,5983]	[,5984]	[,5985]	[,5986]
[2,]	"C"	"T"	"G"	"C"	"T"	"A"	"G"	"G"	"T"	"G"	"A"	"T"	"G"
[3,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[4,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[5,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[6,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[1,]	[,5987]	[,5988]	[,5989]	[,5990]	[,5991]	[,5992]	[,5993]	[,5994]	[,5995]	[,5996]	[,5997]	[,5998]	[,5999]
[2,]	"C"	"C"	"A"	"G"	"G"	"A"	"A"	"T"	"C"	"T"	"C"	"A"	"A"
[3,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[4,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[5,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[6,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[1,]	[,6000]	[,6001]	[,6002]	[,6003]	[,6004]	[,6005]	[,6006]	[,6007]	[,6008]	[,6009]	[,6010]	[,6011]	[,6012]
[2,]	"T"	"G"	"A"	"C"	"C"	"T"	"G"	"T"	"T"	"G"	"A"	"T"	"T"
[3,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[4,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[5,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[6,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[1,]	[,6013]	[,6014]	[,6015]	[,6016]	[,6017]	[,6018]	[,6019]	[,6020]	[,6021]	[,6022]	[,6023]	[,6024]	[,6025]
[2,]	"A"	"G"	"A"	"G"	"G"	"G"	"T"	"C"	"T"	"C"	"T"	"G"	"G"
[3,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[4,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[5,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[6,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[1,]	[,6026]	[,6027]	[,6028]	[,6029]	[,6030]	[,6031]	[,6032]	[,6033]	[,6034]	[,6035]	[,6036]	[,6037]	[,6038]
[2,]	"T"	"C"	"A"	"T"	"T"	"T"	"C"	"C"	"A"	"C"	"T"	"T"	"G"
[3,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[4,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[5,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[6,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[1,]	[,6039]	[,6040]	[,6041]	[,60									

	[,6091]	[,6092]	[,6093]	[,6094]	[,6095]	[,6096]	[,6097]	[,6098]	[,6099]	[,6100]	[,6101]	[,6102]	[,6103]
[1,]	"G"	"A"	"G"	"C"	"A"	"A"	"A"	"G"	"T"	"G"	"G"	"T"	"T"
[2,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[3,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[4,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[5,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[6,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
	[,6104]	[,6105]	[,6106]	[,6107]	[,6108]	[,6109]	[,6110]	[,6111]	[,6112]	[,6113]	[,6114]	[,6115]	[,6116]
[1,]	"G"	"G"	"G"	"A"	"A"	"A"	"C"	"T"	"C"	"A"	"T"	"T"	"T"
[2,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[3,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[4,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[5,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[6,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
	[,6117]	[,6118]	[,6119]	[,6120]	[,6121]	[,6122]	[,6123]	[,6124]	[,6125]	[,6126]	[,6127]	[,6128]	[,6129]
[1,]	"A"	"C"	"T"	"G"	"G"	"G"	"T"	"C"	"C"	"A"	"C"	"C"	"A"
[2,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[3,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[4,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[5,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[6,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
	[,6130]	[,6131]	[,6132]	[,6133]	[,6134]	[,6135]	[,6136]	[,6137]	[,6138]	[,6139]	[,6140]	[,6141]	[,6142]
[1,]	"A"	"A"	"G"	"G"	"A"	"A"	"A"	"C"	"C"	"C"	"A"	"A"	"T"
[2,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[3,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[4,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[5,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[6,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
	[,6143]	[,6144]	[,6145]	[,6146]	[,6147]	[,6148]	[,6149]	[,6150]	[,6151]	[,6152]	[,6153]	[,6154]	[,6155]
[1,]	"T"	"C"	"T"	"G"	"C"	"C"	"A"	"T"	"G"	"T"	"T"	"T"	"T"
[2,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[3,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[4,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[5,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[6,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
	[,6156]	[,6157]	[,6158]	[,6159]	[,6160]	[,6161]	[,6162]	[,6163]	[,6164]	[,6165]	[,6166]	[,6167]	[,6168]
[1,]	"T"	"G"	"C"	"A"	"A"	"A"	"T"	"A"	"C"	"T"	"A"	"C"	"A"
[2,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[3,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[4,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[5,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[6,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
	[,6169]	[,6170]	[,6171]	[,6172]	[,6173]	[,617							

[illegible]

[illegible]

[illegible]

[3,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[4,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[5,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[6,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
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[2,]	"C"	"T"	"C"	"A"	"G"	"T"	"A"	"T"	"C"	"T"	"G"	"T"	"A"
[3,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[4,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[5,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[6,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[1,]	[,6676]	[,6677]	[,6678]	[,6679]	[,6680]	[,6681]	[,6682]	[,6683]	[,6684]	[,6685]	[,6686]	[,6687]	[,6688]
[2,]	"G"	"T"	"A"	"A"	"T"	"T"	"T"	"C"	"T"	"G"	"G"	"T"	"T"
[3,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[4,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[5,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[6,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[1,]	[,6689]	[,6690]	[,6691]	[,6692]	[,6693]	[,6694]	[,6695]	[,6696]	[,6697]	[,6698]	[,6699]	[,6700]	[,6701]
[2,]	"A"	"A"	"G"	"C"	"C"	"T"	"A"	"G"	"A"	"G"	"G"	"G"	"A"
[3,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[4,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[5,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[6,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[1,]	[,6702]	[,6703]	[,6704]	[,6705]	[,6706]	[,6707]	[,6708]	[,6709]	[,6710]	[,6711]	[,6712]	[,6713]	[,6714]
[2,]	"T"	"C"	"A"	"C"	"T"	"G"	"A"	"G"	"T"	"G"	"C"	"C"	"A"
[3,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[4,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[5,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[6,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[1,]	[,6715]	[,6716]	[,6717]	[,6718]	[,6719]	[,6720]	[,6721]	[,6722]	[,6723]	[,6724]	[,6725]	[,6726]	[,6727]
[2,]	"A"	"T"	"C"	"C"	"A"	"A"	"G"	"C"	"A"	"G"	"G"	"T"	"G"
[3,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[4,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[5,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[6,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[1,]	[,6728]	[,6729]	[,6730]	[,6731]	[,6732]	[,6733]	[,6734]	[,6735]	[,6736]	[,6737]	[,6738]	[,6739]	[,6740]
[2,]	"G"	"C"	"A"	"C"	"T"	"A"	"G"	"A"	"G"	"G"	"C"	"A"	"G"
[3,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[4,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[5,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[6,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[1,]	[,6741]	[,6742]	[,6743]	[,6744]	[,6745]	[,6746]	[,6747]	[,6748]	[,6749]	[,6750]	[,6751]	[,6752]	[,6753]
[2,]	"A"	"T"	"T"	"G"	"T"	"T"	"C"	"T"	"C"	"C"	"A"	"A"	

[2,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	
[3,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	
[4,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	
[5,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	
[6,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	
[1,]	[,6806]	[,6807]	[,6808]	[,6809]	[,6810]	[,6811]	[,6812]	[,6813]	[,6814]	[,6815]	[,6816]	[,6817]	[,6818]
[2,]	"A"	"A"	"A"	"C"	"A"	"G"	"A"	"A"	"A"	"C"	"A"	"A"	"A"
[3,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[4,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[5,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[6,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[1,]	[,6819]	[,6820]	[,6821]	[,6822]	[,6823]	[,6824]	[,6825]	[,6826]	[,6827]	[,6828]	[,6829]	[,6830]	[,6831]
[2,]	"T"	"T"	"T"	"C"	"T"	"A"	"C"	"T"	"C"	"C"	"A"	"C"	"C"
[3,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[4,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[5,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[6,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[1,]	[,6832]	[,6833]	[,6834]	[,6835]	[,6836]	[,6837]	[,6838]	[,6839]	[,6840]	[,6841]	[,6842]	[,6843]	[,6844]
[2,]	"C"	"T"	"C"	"T"	"C"	"C"	"T"	"T"	"T"	"T"	"C"	"C"	"T"
[3,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[4,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[5,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[6,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[1,]	[,6845]	[,6846]	[,6847]	[,6848]	[,6849]	[,6850]	[,6851]	[,6852]	[,6853]	[,6854]	[,6855]	[,6856]	[,6857]
[2,]	"A"	"T"	"C"	"A"	"T"	"C"	"C"	"C"	"A"	"C"	"T"	"A"	"A"
[3,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[4,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[5,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[6,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[1,]	[,6858]	[,6859]	[,6860]	[,6861]	[,6862]	[,6863]	[,6864]	[,6865]	[,6866]	[,6867]	[,6868]	[,6869]	[,6870]
[2,]	"T"	"T"	"C"	"T"	"T"	"G"	"C"	"T"	"G"	"C"	"T"	"T"	"T"
[3,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[4,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[5,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[6,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[1,]	[,6871]	[,6872]	[,6873]	[,6874]	[,6875]	[,6876]	[,6877]	[,6878]	[,6879]	[,6880]	[,6881]	[,6882]	[,6883]
[2,]	"G"	"C"	"T"	"A"	"A"	"C"	"A"	"G"	"C"	"C"	"A"	"G"	"C"
[3,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[4,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[5,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[6,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[1,]	[,6884]	[,6885]	[,6886]	[,6887]	[,6888]	[,6889]	[,6890]	[,6891]	[,6892]	[,6893]	[,6894]	[,6895]	[,6896]
[2,]	"T"	"T"											

[1,]	"A"	"G"	"A"	"G"	"A"	"A"	"T"	"C"	"T"	"T"	"G"	"A"	"T"
[2,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[3,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[4,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[5,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[6,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[1,]	[,6949]	[,6950]	[,6951]	[,6952]	[,6953]	[,6954]	[,6955]	[,6956]	[,6957]	[,6958]	[,6959]	[,6960]	[,6961]
[2,]	"T"	"A"	"A"	"A"	"T"	"A"	"G"	"T"	"A"	"T"	"C"	"C"	"A"
[3,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[4,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[5,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[6,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[1,]	[,6962]	[,6963]	[,6964]	[,6965]	[,6966]	[,6967]	[,6968]	[,6969]	[,6970]	[,6971]	[,6972]	[,6973]	[,6974]
[2,]	"A"	"C"	"T"	"T"	"T"	"G"	"T"	"A"	"G"	"C"	"A"	"T"	"A"
[3,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[4,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[5,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[6,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[1,]	[,6975]	[,6976]	[,6977]	[,6978]	[,6979]	[,6980]	[,6981]	[,6982]	[,6983]	[,6984]	[,6985]	[,6986]	[,6987]
[2,]	"A"	"C"	"A"	"C"	"A"	"G"	"C"	"T"	"A"	"A"	"T"	"T"	"C"
[3,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[4,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[5,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[6,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[1,]	[,6988]	[,6989]	[,6990]	[,6991]	[,6992]	[,6993]	[,6994]	[,6995]	[,6996]	[,6997]	[,6998]	[,6999]	[,7000]
[2,]	"A"	"G"	"G"	"C"	"A"	"A"	"T"	"G"	"A"	"C"	"A"	"T"	"A"
[3,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[4,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[5,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[6,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[1,]	[,7001]	[,7002]	[,7003]	[,7004]	[,7005]	[,7006]	[,7007]	[,7008]	[,7009]	[,7010]	[,7011]	[,7012]	[,7013]
[2,]	"G"	"A"	"G"	"A"	"T"	"G"	"A"	"T"	"A"	"A"	"G"	"A"	"A"
[3,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[4,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[5,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[6,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[1,]	[,7014]	[,7015]	[,7016]	[,7017]	[,7018]	[,7019]	[,7020]	[,7021]	[,7022]	[,7023]	[,7024]	[,7025]	[,7026]
[2,]	"A"	"C"	"A"	"A"	"C"	"A"	"T"	"G"	"G"	"T"	"T"	"T"	"G"
[3,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[4,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[5,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[6,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[1,]	[,7027]	[,7028]	[,7029]	[,70									

	[,7079]	[,7080]	[,7081]	[,7082]	[,7083]	[,7084]	[,7085]	[,7086]	[,7087]	[,7088]	[,7089]	[,7090]	[,7091]
[1,]	"A"	"T"	"A"	"A"	"G"	"T"	"C"	"A"	"T"	"T"	"T"	"T"	"G"
[2,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[3,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[4,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[5,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[6,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
	[,7092]	[,7093]	[,7094]	[,7095]	[,7096]	[,7097]	[,7098]	[,7099]	[,7100]	[,7101]	[,7102]	[,7103]	[,7104]
[1,]	"T"	"G"	"T"	"C"	"C"	"A"	"A"	"G"	"C"	"C"	"T"	"C"	"A"
[2,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[3,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[4,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[5,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[6,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
	[,7105]	[,7106]	[,7107]	[,7108]	[,7109]	[,7110]	[,7111]	[,7112]	[,7113]	[,7114]	[,7115]	[,7116]	[,7117]
[1,]	"T"	"T"	"T"	"T"	"C"	"T"	"C"	"C"	"C"	"A"	"T"	"A"	"T"
[2,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[3,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[4,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[5,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[6,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
	[,7118]	[,7119]	[,7120]	[,7121]	[,7122]	[,7123]	[,7124]	[,7125]	[,7126]	[,7127]	[,7128]	[,7129]	[,7130]
[1,]	"G"	"A"	"A"	"A"	"A"	"G"	"T"	"G"	"A"	"A"	"G"	"G"	"G"
[2,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[3,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[4,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[5,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[6,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
	[,7131]	[,7132]	[,7133]	[,7134]	[,7135]	[,7136]	[,7137]	[,7138]	[,7139]	[,7140]	[,7141]	[,7142]	[,7143]
[1,]	"G"	"T"	"T"	"G"	"G"	"A"	"T"	"T"	"A"	"A"	"A"	"T"	"G"
[2,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[3,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[4,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[5,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[6,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
	[,7144]	[,7145]	[,7146]	[,7147]	[,7148]	[,7149]	[,7150]	[,7151]	[,7152]	[,7153]	[,7154]	[,7155]	[,7156]
[1,]	"A"	"C"	"T"	"A"	"A"	"A"	"A"	"T"	"C"	"C"	"C"	"C"	"T"
[2,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[3,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[4,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[5,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[6,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
	[,7157]	[,7158]	[,7159]	[,7160]	[,7161]	[,716							

	[,7222]	[,7223]	[,7224]	[,7225]	[,7226]	[,7227]	[,7228]	[,7229]	[,7230]	[,7231]	[,7232]	[,7233]	[,7234]
[1,]	"A"	"T"	"A"	"A"	"A"	"A"	"T"	"G"	"T"	"G"	"A"	"C"	"C"
[2,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[3,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[4,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[5,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[6,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
	[,7235]	[,7236]	[,7237]	[,7238]	[,7239]	[,7240]	[,7241]	[,7242]	[,7243]	[,7244]	[,7245]	[,7246]	[,7247]
[1,]	"T"	"A"	"T"	"T"	"T"	"A"	"C"	"A"	"T"	"T"	"T"	"T"	"A"
[2,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[3,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[4,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[5,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[6,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
	[,7248]	[,7249]	[,7250]	[,7251]	[,7252]	[,7253]	[,7254]	[,7255]	[,7256]	[,7257]	[,7258]	[,7259]	[,7260]
[1,]	"A"	"G"	"T"	"T"	"G"	"A"	"A"	"G"	"T"	"A"	"G"	"C"	"C"
[2,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[3,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[4,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[5,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[6,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
	[,7261]	[,7262]	[,7263]	[,7264]	[,7265]	[,7266]	[,7267]	[,7268]	[,7269]	[,7270]	[,7271]	[,7272]	[,7273]
[1,]	"C"	"A"	"C"	"A"	"A"	"T"	"A"	"A"	"T"	"G"	"A"	"A"	"T"
[2,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[3,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[4,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[5,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[6,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
	[,7274]	[,7275]	[,7276]	[,7277]	[,7278]	[,7279]	[,7280]	[,7281]	[,7282]	[,7283]	[,7284]	[,7285]	[,7286]
[1,]	"A"	"A"	"T"	"C"	"A"	"A"	"T"	"T"	"T"	"G"	"A"	"A"	"T"
[2,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[3,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[4,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[5,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[6,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
	[,7287]	[,7288]	[,7289]	[,7290]	[,7291]	[,7292]	[,7293]	[,7294]	[,7295]	[,7296]	[,7297]	[,7298]	[,7299]
[1,]	"T"	"T"	"T"	"C"	"T"	"T"	"C"	"A"	"T"	"C"	"C"	"C"	"C"
[2,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[3,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[4,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[5,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[6,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
	[,7300]	[,7301]	[,7302]	[,7303]	[,7304]	[,730							

[5.]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[6.]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[1.]	[,7365]	[,7366]	[,7367]	[,7368]	[,7369]	[,7370]	[,7371]	[,7372]	[,7373]	[,7374]	[,7375]	[,7376] [,7377]
[2.]	"A"	"T"	"G"	"T"	"C"	"A"	"T"	"T"	"C"	"C"	"A"	"A"
[3.]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[4.]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[5.]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[6.]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[1.]	[,7378]	[,7379]	[,7380]	[,7381]	[,7382]	[,7383]	[,7384]	[,7385]	[,7386]	[,7387]	[,7388]	[,7389] [,7390]
[2.]	"G"	"T"	"T"	"T"	"G"	"A"	"T"	"A"	"T"	"T"	"T"	"G"
[3.]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[4.]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[5.]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[6.]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[1.]	[,7391]	[,7392]	[,7393]	[,7394]	[,7395]	[,7396]	[,7397]	[,7398]	[,7399]	[,7400]	[,7401]	[,7402] [,7403]
[2.]	"A"	"G"	"A"	"C"	"A"	"C"	"C"	"A"	"A"	"T"	"A"	"A"
[3.]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[4.]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[5.]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[6.]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[1.]	[,7404]	[,7405]	[,7406]	[,7407]	[,7408]	[,7409]	[,7410]	[,7411]	[,7412]	[,7413]	[,7414]	[,7415] [,7416]
[2.]	"A"	"G"	"T"	"T"	"T"	"T"	"T"	"T"	"A"	"A"	"T"	"A"
[3.]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[4.]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[5.]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[6.]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[1.]	[,7417]	[,7418]	[,7419]	[,7420]	[,7421]	[,7422]	[,7423]	[,7424]	[,7425]	[,7426]	[,7427]	[,7428] [,7429]
[2.]	"A"	"A"	"G"	"T"	"T"	"C"	"C"	"C"	"T"	"T"	"G"	"A"
[3.]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[4.]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[5.]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[6.]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[1.]	[,7430]	[,7431]	[,7432]	[,7433]	[,7434]	[,7435]	[,7436]	[,7437]	[,7438]	[,7439]	[,7440]	[,7441] [,7442]
[2.]	"T"	"T"	"A"	"A"	"A"	"C"	"T"	"C"	"A"	"C"	"C"	"T"
[3.]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[4.]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[5.]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[6.]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[1.]	[,7443]	[,7444]	[,7445]	[,7446]	[,7447]	[,7448]	[,7449]	[,7450]	[,7451]	[,7452]	[,7453]	[,7454] [,7455]
[2.]	"C"	"C"	"T"	"A"	"A"	"T"	"A"	"G"	"A"	"A"	"G"	"T"
[3.]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[4.]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[5.]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[6.]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[1.]	[,7456]	[,7457]	[,7458]	[,7459]	[,7460]</							

[illegible]

[illegible]

[2,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[3,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[4,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[5,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[6,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[1,]	[,7794]	[,7795]	[,7796]	[,7797]	[,7798]	[,7799]	[,7800]	[,7801]	[,7802]	[,7803]	[,7804]	[,7805]	[,7806]
[2,]	"T"	"T"	"G"	"T"	"T"	"T"	"T"	"A"	"T"	"C"	"A"	"T"	"T"
[3,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[4,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[5,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[6,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[1,]	[,7807]	[,7808]	[,7809]	[,7810]	[,7811]	[,7812]	[,7813]	[,7814]	[,7815]	[,7816]	[,7817]	[,7818]	[,7819]
[2,]	"G"	"G"	"G"	"T"	"A"	"T"	"C"	"A"	"C"	"A"	"T"	"T"	"G"
[3,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[4,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[5,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[6,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[1,]	[,7820]	[,7821]	[,7822]	[,7823]	[,7824]	[,7825]	[,7826]	[,7827]	[,7828]	[,7829]	[,7830]	[,7831]	[,7832]
[2,]	"C"	"A"	"G"	"G"	"A"	"A"	"G"	"A"	"G"	"T"	"T"	"G"	"C"
[3,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[4,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[5,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[6,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[1,]	[,7833]	[,7834]	[,7835]	[,7836]	[,7837]	[,7838]	[,7839]	[,7840]	[,7841]	[,7842]	[,7843]	[,7844]	[,7845]
[2,]	"T"	"C"	"T"	"A"	"A"	"C"	"T"	"T"	"A"	"C"	"A"	"A"	"G"
[3,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[4,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[5,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[6,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[1,]	[,7846]	[,7847]	[,7848]	[,7849]	[,7850]	[,7851]	[,7852]	[,7853]	[,7854]	[,7855]	[,7856]	[,7857]	[,7858]
[2,]	"A"	"A"	"T"	"G"	"G"	"A"	"A"	"T"	"T"	"T"	"T"	"C"	"T"
[3,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[4,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[5,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[6,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[1,]	[,7859]	[,7860]	[,7861]	[,7862]	[,7863]	[,7864]	[,7865]	[,7866]	[,7867]	[,7868]	[,7869]	[,7870]	[,7871]
[2,]	"G"	"A"	"C"	"T"	"A"	"T"	"C"	"A"	"T"	"T"	"G"	"C"	"C"
[3,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[4,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[5,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[6,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[1,]	[,7872]	[,7873]	[,7874]	[,7875]	[,7876]	[,7877]	[,7878]	[,7879]	[,7880]	[,7881]	[,7882]	[,7883]	[,7

[1,]	"A"	"C"	"A"	"A"	"G"	"G"	"T"	"C"	"C"	"A"	"T"	"G"	"T"
[2,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[3,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[4,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[5,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[6,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[1,]	[,7937]	[,7938]	[,7939]	[,7940]	[,7941]	[,7942]	[,7943]	[,7944]	[,7945]	[,7946]	[,7947]	[,7948]	[,7949]
[2,]	"C"	"A"	"C"	"C"	"A"	"G"	"C"	"C"	"A"	"T"	"G"	"A"	"T"
[3,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[4,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[5,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[6,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[1,]	[,7950]	[,7951]	[,7952]	[,7953]	[,7954]	[,7955]	[,7956]	[,7957]	[,7958]	[,7959]	[,7960]	[,7961]	[,7962]
[2,]	"C"	"T"	"T"	"T"	"A"	"A"	"A"	"C"	"A"	"A"	"C"	"C"	"T"
[3,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[4,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[5,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[6,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[1,]	[,7963]	[,7964]	[,7965]	[,7966]	[,7967]	[,7968]	[,7969]	[,7970]	[,7971]	[,7972]	[,7973]	[,7974]	[,7975]
[2,]	"C"	"T"	"T"	"G"	"C"	"A"	"C"	"T"	"T"	"T"	"C"	"T"	"G"
[3,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[4,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[5,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[6,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[1,]	[,7976]	[,7977]	[,7978]	[,7979]	[,7980]	[,7981]	[,7982]	[,7983]	[,7984]	[,7985]	[,7986]	[,7987]	[,7988]
[2,]	"G"	"C"	"A"	"C"	"T"	"G"	"C"	"T"	"G"	"C"	"A"	"A"	"T"
[3,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[4,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[5,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[6,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[1,]	[,7989]	[,7990]	[,7991]	[,7992]	[,7993]	[,7994]	[,7995]	[,7996]	[,7997]	[,7998]	[,7999]	[,8000]	[,8001]
[2,]	"G"	"G"	"C"	"C"	"C"	"A"	"T"	"G"	"G"	"T"	"G"	"G"	"A"
[3,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[4,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[5,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[6,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[1,]	[,8002]	[,8003]	[,8004]	[,8005]	[,8006]	[,8007]	[,8008]	[,8009]	[,8010]	[,8011]	[,8012]	[,8013]	[,8014]
[2,]	"C"	"A"	"C"	"C"	"T"	"C"	"T"	"G"	"C"	"T"	"G"	"T"	"T"
[3,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[4,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[5,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[6,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[1,]	[,8015]	[,8016]	[,8017]	[,80									

	[,8067]	[,8068]	[,8069]	[,8070]	[,8071]	[,8072]	[,8073]	[,8074]	[,8075]	[,8076]	[,8077]	[,8078]	[,8079]
[1,]	"T"	"C"	"C"	"T"	"T"	"T"	"G"	"T"	"T"	"G"	"T"	"C"	"A"
[2,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[3,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[4,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[5,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[6,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
	[,8080]	[,8081]	[,8082]	[,8083]	[,8084]	[,8085]	[,8086]	[,8087]	[,8088]	[,8089]	[,8090]	[,8091]	[,8092]
[1,]	"G"	"A"	"G"	"A"	"A"	"G"	"A"	"C"	"T"	"T"	"C"	"A"	"G"
[2,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[3,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[4,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[5,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[6,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
	[,8093]	[,8094]	[,8095]	[,8096]	[,8097]	[,8098]	[,8099]	[,8100]	[,8101]	[,8102]	[,8103]	[,8104]	[,8105]
[1,]	"C"	"T"	"C"	"T"	"T"	"C"	"A"	"G"	"G"	"T"	"T"	"T"	"G"
[2,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[3,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[4,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[5,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[6,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
	[,8106]	[,8107]	[,8108]	[,8109]	[,8110]	[,8111]	[,8112]	[,8113]	[,8114]	[,8115]	[,8116]	[,8117]	[,8118]
[1,]	"C"	"A"	"A"	"G"	"G"	"G"	"C"	"A"	"A"	"G"	"A"	"T"	"G"
[2,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[3,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[4,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[5,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[6,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
	[,8119]	[,8120]	[,8121]	[,8122]	[,8123]	[,8124]	[,8125]	[,8126]	[,8127]	[,8128]	[,8129]	[,8130]	[,8131]
[1,]	"T"	"A"	"A"	"A"	"G"	"C"	"T"	"A"	"G"	"G"	"A"	"C"	"T"
[2,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[3,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[4,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[5,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[6,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
	[,8132]	[,8133]	[,8134]	[,8135]	[,8136]	[,8137]	[,8138]	[,8139]	[,8140]	[,8141]	[,8142]	[,8143]	[,8144]
[1,]	"G"	"A"	"A"	"A"	"G"	"G"	"A"	"T"	"T"	"G"	"G"	"G"	"T"
[2,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[3,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[4,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[5,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[6,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
	[,8145]	[,8146]	[,8147]	[,8148]	[,8149]	[,815							

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[5.]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[6.]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[1.]	[,8353]	[,8354]	[,8355]	[,8356]	[,8357]	[,8358]	[,8359]	[,8360]	[,8361]	[,8362]	[,8363]	[,8364] [,8365]
[2.]	"C"	"C"	"A"	"G"	"G"	"C"	"C"	"A"	"A"	"A"	"T"	"T"
[3.]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[4.]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[5.]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[6.]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[1.]	[,8366]	[,8367]	[,8368]	[,8369]	[,8370]	[,8371]	[,8372]	[,8373]	[,8374]	[,8375]	[,8376]	[,8377] [,8378]
[2.]	"T"	"C"	"A"	"T"	"T"	"T"	"T"	"G"	"A"	"T"	"A"	"T"
[3.]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[4.]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[5.]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[6.]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[1.]	[,8379]	[,8380]	[,8381]	[,8382]	[,8383]	[,8384]	[,8385]	[,8386]	[,8387]	[,8388]	[,8389]	[,8390] [,8391]
[2.]	"T"	"T"	"A"	"C"	"A"	"A"	"A"	"A"	"T"	"C"	"C"	"T"
[3.]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[4.]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[5.]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[6.]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[1.]	[,8392]	[,8393]	[,8394]	[,8395]	[,8396]	[,8397]	[,8398]	[,8399]	[,8400]	[,8401]	[,8402]	[,8403] [,8404]
[2.]	"C"	"T"	"G"	"G"	"T"	"T"	"T"	"T"	"T"	"A"	"C"	"A"
[3.]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[4.]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[5.]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[6.]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[1.]	[,8405]	[,8406]	[,8407]	[,8408]	[,8409]	[,8410]	[,8411]	[,8412]	[,8413]	[,8414]	[,8415]	[,8416] [,8417]
[2.]	"A"	"G"	"G"	"G"	"C"	"C"	"C"	"T"	"T"	"T"	"T"	"G"
[3.]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[4.]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[5.]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[6.]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[1.]	[,8418]	[,8419]	[,8420]	[,8421]	[,8422]	[,8423]	[,8424]	[,8425]	[,8426]	[,8427]	[,8428]	[,8429] [,8430]
[2.]	"G"	"C"	"T"	"G"	"A"	"G"	"A"	"A"	"T"	"A"	"A"	"A"
[3.]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[4.]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[5.]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[6.]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[1.]	[,8431]	[,8432]	[,8433]	[,8434]	[,8435]	[,8436]	[,8437]	[,8438]	[,8439]	[,8440]	[,8441]	[,8442] [,8443]
[2.]	"C"	"C"	"A"	"G"	"C"	"T"	"A"	"T"	"T"	"G"	"G"	"A"
[3.]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[4.]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[5.]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[6.]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[1.]	[,8444]	[,8445]	[,8446]	[,8447]	[,8448]</							

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[2,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	
[3,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	
[4,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	
[5,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	
[6,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	
[1,]	[,8782]	[,8783]	[,8784]	[,8785]	[,8786]	[,8787]	[,8788]	[,8789]	[,8790]	[,8791]	[,8792]	[,8793]	[,8794]
[2,]	"T"	"G"	"A"	"T"	"C"	"A"	"G"	"A"	"A"	"A"	"T"	"T"	"G"
[3,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[4,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[5,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[6,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[1,]	[,8795]	[,8796]	[,8797]	[,8798]	[,8799]	[,8800]	[,8801]	[,8802]	[,8803]	[,8804]	[,8805]	[,8806]	[,8807]
[2,]	"G"	"G"	"C"	"T"	"G"	"T"	"C"	"T"	"G"	"G"	"T"	"G"	"G"
[3,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[4,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[5,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[6,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[1,]	[,8808]	[,8809]	[,8810]	[,8811]	[,8812]	[,8813]	[,8814]	[,8815]	[,8816]	[,8817]	[,8818]	[,8819]	[,8820]
[2,]	"T"	"T"	"T"	"A"	"A"	"T"	"A"	"C"	"T"	"C"	"C"	"A"	"T"
[3,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[4,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[5,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[6,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[1,]	[,8821]	[,8822]	[,8823]	[,8824]	[,8825]	[,8826]	[,8827]	[,8828]	[,8829]	[,8830]	[,8831]	[,8832]	[,8833]
[2,]	"A"	"A"	"G"	"A"	"G"	"T"	"T"	"A"	"C"	"T"	"T"	"C"	"C"
[3,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[4,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[5,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[6,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[1,]	[,8834]	[,8835]	[,8836]	[,8837]	[,8838]	[,8839]	[,8840]	[,8841]	[,8842]	[,8843]	[,8844]	[,8845]	[,8846]
[2,]	"C"	"T"	"T"	"A"	"T"	"A"	"G"	"A"	"A"	"A"	"G"	"T"	"C"
[3,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[4,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[5,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[6,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[1,]	[,8847]	[,8848]	[,8849]	[,8850]	[,8851]	[,8852]	[,8853]	[,8854]	[,8855]	[,8856]	[,8857]	[,8858]	[,8859]
[2,]	"A"	"T"	"C"	"C"	"T"	"T"	"T"	"G"	"G"	"C"	"A"	"T"	"C"
[3,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[4,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[5,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[6,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[1,]	[,8860]	[,8861]	[,8862]	[,8863]	[,8864]	[,8865]	[,8866]	[,8867]	[,8868]	[,8869]	[,8870]	[,8871]	[,8872]
[2,]	"T"	"A"											

[1,]	"A"	"A"	"C"	"C"	"T"	"C"	"A"	"G"	"C"	"A"	"T"	"T"	"G"
[2,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[3,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[4,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[5,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[6,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[1,]	[,8925]	[,8926]	[,8927]	[,8928]	[,8929]	[,8930]	[,8931]	[,8932]	[,8933]	[,8934]	[,8935]	[,8936]	[,8937]
[2,]	"C"	"A"	"T"	"C"	"T"	"C"	"C"	"A"	"T"	"G"	"T"	"T"	"G"
[3,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[4,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[5,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[6,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[1,]	[,8938]	[,8939]	[,8940]	[,8941]	[,8942]	[,8943]	[,8944]	[,8945]	[,8946]	[,8947]	[,8948]	[,8949]	[,8950]
[2,]	"C"	"A"	"C"	"A"	"A"	"C"	"A"	"C"	"A"	"G"	"A"	"T"	"C"
[3,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[4,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[5,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[6,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[1,]	[,8951]	[,8952]	[,8953]	[,8954]	[,8955]	[,8956]	[,8957]	[,8958]	[,8959]	[,8960]	[,8961]	[,8962]	[,8963]
[2,]	"A"	"G"	"A"	"T"	"T"	"A"	"T"	"C"	"T"	"G"	"G"	"T"	"C"
[3,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[4,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[5,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[6,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[1,]	[,8964]	[,8965]	[,8966]	[,8967]	[,8968]	[,8969]	[,8970]	[,8971]	[,8972]	[,8973]	[,8974]	[,8975]	[,8976]
[2,]	"A"	"C"	"T"	"A"	"T"	"A"	"G"	"A"	"G"	"A"	"T"	"T"	"T"
[3,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[4,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[5,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[6,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[1,]	[,8977]	[,8978]	[,8979]	[,8980]	[,8981]	[,8982]	[,8983]	[,8984]	[,8985]	[,8986]	[,8987]	[,8988]	[,8989]
[2,]	"G"	"T"	"A"	"T"	"A"	"T"	"A"	"A"	"A"	"A"	"A"	"A"	"A"
[3,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[4,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[5,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[6,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[1,]	[,8990]	[,8991]	[,8992]	[,8993]	[,8994]	[,8995]	[,8996]	[,8997]	[,8998]	[,8999]	[,9000]	[,9001]	[,9002]
[2,]	"C"	"T"	"A"	"C"	"T"	"T"	"T"	"T"	"T"	"T"	"G"	"A"	"G"
[3,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[4,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[5,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[6,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[1,]	[,9003]	[,9004]	[,9005]	[,90									

	[,9055]	[,9056]	[,9057]	[,9058]	[,9059]	[,9060]	[,9061]	[,9062]	[,9063]	[,9064]	[,9065]	[,9066]	[,9067]
[1,]	"G"	"C"	"A"	"A"	"A"	"C"	"T"	"G"	"T"	"G"	"A"	"A"	"T"
[2,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[3,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[4,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[5,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[6,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
	[,9068]	[,9069]	[,9070]	[,9071]	[,9072]	[,9073]	[,9074]	[,9075]	[,9076]	[,9077]	[,9078]	[,9079]	[,9080]
[1,]	"C"	"T"	"A"	"A"	"C"	"T"	"T"	"G"	"A"	"T"	"C"	"T"	"T"
[2,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[3,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[4,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[5,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[6,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
	[,9081]	[,9082]	[,9083]	[,9084]	[,9085]	[,9086]	[,9087]	[,9088]	[,9089]	[,9090]	[,9091]	[,9092]	[,9093]
[1,]	"G"	"T"	"T"	"G"	"C"	"C"	"A"	"G"	"C"	"A"	"G"	"A"	"T"
[2,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[3,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[4,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[5,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[6,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
	[,9094]	[,9095]	[,9096]	[,9097]	[,9098]	[,9099]	[,9100]	[,9101]	[,9102]	[,9103]	[,9104]	[,9105]	[,9106]
[1,]	"A"	"T"	"A"	"T"	"T"	"T"	"T"	"G"	"G"	"C"	"T"	"T"	"C"
[2,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[3,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[4,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[5,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[6,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
	[,9107]	[,9108]	[,9109]	[,9110]	[,9111]	[,9112]	[,9113]	[,9114]	[,9115]	[,9116]	[,9117]	[,9118]	[,9119]
[1,]	"C"	"T"	"G"	"G"	"T"	"A"	"A"	"G"	"A"	"G"	"T"	"C"	"T"
[2,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[3,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[4,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[5,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[6,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
	[,9120]	[,9121]	[,9122]	[,9123]	[,9124]	[,9125]	[,9126]	[,9127]	[,9128]	[,9129]	[,9130]	[,9131]	[,9132]
[1,]	"G"	"T"	"G"	"T"	"T"	"A"	"C"	"C"	"A"	"G"	"G"	"G"	"A"
[2,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[3,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[4,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[5,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[6,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
	[,9133]	[,9134]	[,9135]	[,9136]	[,9137]	[,913							

[illegible]

[illegible]

[illegible]

	[3,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	
	[4,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	
	[5,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	
	[6,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	
		[,9627]	[,9628]	[,9629]	[,9630]	[,9631]	[,9632]	[,9633]	[,9634]	[,9635]	[,9636]	[,9637]	[,9638]	[,9639]
[1,]		"C"	"T"	"T"	"T"	"C"	"T"	"A"	"A"	"C"	"T"	"C"	"A"	"A"
[2,]		"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[3,]		"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[4,]		"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[5,]		"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[6,]		"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
		[,9640]	[,9641]	[,9642]	[,9643]	[,9644]	[,9645]	[,9646]	[,9647]	[,9648]	[,9649]	[,9650]	[,9651]	[,9652]
[1,]		"G"	"G"	"A"	"A"	"T"	"G"	"G"	"T"	"G"	"C"	"T"	"G"	"A"
[2,]		"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[3,]		"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[4,]		"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[5,]		"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[6,]		"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
		[,9653]	[,9654]	[,9655]	[,9656]	[,9657]	[,9658]	[,9659]	[,9660]	[,9661]	[,9662]	[,9663]	[,9664]	[,9665]
[1,]		"T"	"T"	"T"	"T"	"T"	"T"	"A"	"A"	"A"	"T"	"G"	"T"	"T"
[2,]		"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[3,]		"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[4,]		"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[5,]		"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[6,]		"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
		[,9666]	[,9667]	[,9668]	[,9669]	[,9670]	[,9671]	[,9672]	[,9673]	[,9674]	[,9675]	[,9676]	[,9677]	[,9678]
[1,]		"T"	"G"	"A"	"C"	"A"	"C"	"C"	"A"	"G"	"G"	"C"	"C"	"T"
[2,]		"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[3,]		"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[4,]		"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[5,]		"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[6,]		"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
		[,9679]	[,9680]	[,9681]	[,9682]	[,9683]	[,9684]	[,9685]	[,9686]	[,9687]	[,9688]	[,9689]	[,9690]	[,9691]
[1,]		"T"	"G"	"T"	"T"	"T"	"T"	"T"	"C"	"C"	"A"	"G"	"C"	"T"
[2,]		"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[3,]		"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[4,]		"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[5,]		"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[6,]		"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
		[,9692]	[,9693]	[,9694]	[,9695]	[,9696]	[,9697]	[,9698]	[,9699]	[,9700]	[,9701]	[,9702]	[,9703]	[,9704]
[1,]		"G"	"A"	"G"	"C"	"A"	"T"	"T"	"C"	"T"	"C"	"A"	"T"	"T"
[2,]	</													

[2,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	
[3,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	
[4,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	
[5,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	
[6,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	
[1,]	[,9770]	[,9771]	[,9772]	[,9773]	[,9774]	[,9775]	[,9776]	[,9777]	[,9778]	[,9779]	[,9780]	[,9781]	[,9782]
[2,]	"T"	"C"	"C"	"A"	"T"	"A"	"C"	"A"	"T"	"C"	"C"	"T"	"T"
[3,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[4,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[5,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[6,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[1,]	[,9783]	[,9784]	[,9785]	[,9786]	[,9787]	[,9788]	[,9789]	[,9790]	[,9791]	[,9792]	[,9793]	[,9794]	[,9795]
[2,]	"A"	"A"	"A"	"G"	"G"	"T"	"T"	"T"	"A"	"T"	"G"	"A"	"G"
[3,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[4,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[5,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[6,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[1,]	[,9796]	[,9797]	[,9798]	[,9799]	[,9800]	[,9801]	[,9802]	[,9803]	[,9804]	[,9805]	[,9806]	[,9807]	[,9808]
[2,]	"G"	"A"	"A"	"A"	"T"	"T"	"G"	"G"	"C"	"T"	"A"	"G"	"G"
[3,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[4,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[5,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[6,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[1,]	[,9809]	[,9810]	[,9811]	[,9812]	[,9813]	[,9814]	[,9815]	[,9816]	[,9817]	[,9818]	[,9819]	[,9820]	[,9821]
[2,]	"G"	"A"	"A"	"A"	"A"	"C"	"T"	"T"	"T"	"G"	"A"	"G"	"T"
[3,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[4,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[5,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[6,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[1,]	[,9822]	[,9823]	[,9824]	[,9825]	[,9826]	[,9827]	[,9828]	[,9829]	[,9830]	[,9831]	[,9832]	[,9833]	[,9834]
[2,]	"A"	"G"	"C"	"A"	"G"	"A"	"G"	"A"	"C"	"T"	"G"	"A"	"G"
[3,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[4,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[5,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[6,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[1,]	[,9835]	[,9836]	[,9837]	[,9838]	[,9839]	[,9840]	[,9841]	[,9842]	[,9843]	[,9844]	[,9845]	[,9846]	[,9847]
[2,]	"G"	"A"	"T"	"G"	"A"	"G"	"T"	"G"	"C"	"T"	"A"	"G"	"A"
[3,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[4,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[5,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[6,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[1,]	[,9848]	[,9849]	[,9850]	[,9851]	[,9852]	[,9853]	[,9854]	[,9855]	[,9856]	[,9857]	[,9858]	[,9859]	[,9860]
[2,]	"G"	"A"											

[1,]	"G"	"T"	"A"	"A"	"A"	"T"	"G"	"T"	"C"	"A"	"C"	"A"	"T"
[2,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[3,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[4,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[5,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[6,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[1,]	[,9913]	[,9914]	[,9915]	[,9916]	[,9917]	[,9918]	[,9919]	[,9920]	[,9921]	[,9922]	[,9923]	[,9924]	[,9925]
[1,]	"T"	"G"	"T"	"T"	"A"	"T"	"G"	"T"	"G"	"A"	"A"	"T"	"T"
[2,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[3,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[4,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[5,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[6,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[1,]	[,9926]	[,9927]	[,9928]	[,9929]	[,9930]	[,9931]	[,9932]	[,9933]	[,9934]	[,9935]	[,9936]	[,9937]	[,9938]
[1,]	"G"	"A"	"G"	"C"	"A"	"C"	"A"	"T"	"A"	"T"	"T"	"T"	"T"
[2,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[3,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[4,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[5,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[6,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[1,]	[,9939]	[,9940]	[,9941]	[,9942]	[,9943]	[,9944]	[,9945]	[,9946]	[,9947]	[,9948]	[,9949]	[,9950]	[,9951]
[1,]	"T"	"A"	"A"	"A"	"G"	"A"	"A"	"A"	"G"	"T"	"T"	"T"	"A"
[2,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[3,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[4,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[5,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[6,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[1,]	[,9952]	[,9953]	[,9954]	[,9955]	[,9956]	[,9957]	[,9958]	[,9959]	[,9960]	[,9961]	[,9962]	[,9963]	[,9964]
[1,]	"C"	"A"	"A"	"A"	"A"	"A"	"A"	"T"	"T"	"T"	"T"	"T"	"A"
[2,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[3,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[4,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[5,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[6,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[1,]	[,9965]	[,9966]	[,9967]	[,9968]	[,9969]	[,9970]	[,9971]	[,9972]	[,9973]	[,9974]	[,9975]	[,9976]	[,9977]
[1,]	"G"	"A"	"A"	"C"	"C"	"A"	"A"	"C"	"T"	"A"	"T"	"G"	"A"
[2,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[3,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[4,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[5,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[6,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[1,]	[,9978]	[,9979]	[,9980]	[,9981]	[,9982]	[,9983]	[,9984]	[,9985]	[,9986]	[,9987]	[,9988]	[,9989]	[,9990]
[1,]	"G"	"G"	"C"	"A"	"A"	"T"							

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[6,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
	[,10172]	[,10173]	[,10174]	[,10175]	[,10176]	[,10177]	[,10178]	[,10179]	[,10180]	[,10181]	[,10182]	[,10183]
[1,]	"G"	"T"	"A"	"T"	"T"	"T"	"T"	"T"	"A"	"C"	"C"	"G"
[2,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[3,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[4,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[5,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[6,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
	[,10184]	[,10185]	[,10186]	[,10187]	[,10188]	[,10189]	[,10190]	[,10191]	[,10192]	[,10193]	[,10194]	[,10195]
[1,]	"T"	"G"	"G"	"T"	"T"	"T"	"A"	"A"	"A"	"A"	"A"	"G"
[2,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[3,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[4,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[5,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[6,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
	[,10196]	[,10197]	[,10198]	[,10199]	[,10200]	[,10201]	[,10202]	[,10203]	[,10204]	[,10205]	[,10206]	[,10207]
[1,]	"T"	"A"	"G"	"T"	"C"	"A"	"G"	"T"	"T"	"A"	"C"	"A"
[2,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[3,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[4,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[5,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[6,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
	[,10208]	[,10209]	[,10210]	[,10211]	[,10212]	[,10213]	[,10214]	[,10215]	[,10216]	[,10217]	[,10218]	[,10219]
[1,]	"T"	"A"	"G"	"A"	"A"	"A"	"G"	"T"	"G"	"T"	"A"	"T"
[2,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[3,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[4,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[5,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[6,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
	[,10220]	[,10221]	[,10222]	[,10223]	[,10224]	[,10225]	[,10226]	[,10227]	[,10228]	[,10229]	[,10230]	[,10231]
[1,]	"T"	"G"	"G"	"T"	"A"	"T"	"G"	"T"	"A"	"T"	"T"	"T"
[2,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[3,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[4,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[5,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[6,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
	[,10232]	[,10233]	[,10234]	[,10235]	[,10236]	[,10237]	[,10238]	[,10239]	[,10240]	[,10241]	[,10242]	[,10243]
[1,]	"G"	"A"	"A"	"C"	"C"	"T"	"G"	"C"	"T"	"C"	"T"	"T"
[2,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[3,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[4,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[5,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[6,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
	[,10244]	[,10245]	[,10246]	[,10247]	[,10248]	[,10249]	[,10250]	[,10251]	[,10252]	[,10253]	[,10254]	[,10255]
[1,]	"C"	"A"	"T"	"T"	"A"	"A"</						

[5,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	
[6,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	
[1,]	[,10304]	[,10305]	[,10306]	[,10307]	[,10308]	[,10309]	[,10310]	[,10311]	[,10312]	[,10313]	[,10314]	[,10315]
[2,]	"C"	"A"	"G"	"T"	"C"	"A"	"G"	"C"	"T"	"G"	"T"	"C"
[3,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[4,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[5,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[6,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[1,]	[,10316]	[,10317]	[,10318]	[,10319]	[,10320]	[,10321]	[,10322]	[,10323]	[,10324]	[,10325]	[,10326]	[,10327]
[2,]	"A"	"A"	"G"	"C"	"A"	"G"	"G"	"A"	"A"	"G"	"C"	"C"
[3,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[4,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[5,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[6,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[1,]	[,10328]	[,10329]	[,10330]	[,10331]	[,10332]	[,10333]	[,10334]	[,10335]	[,10336]	[,10337]	[,10338]	[,10339]
[2,]	"T"	"C"	"T"	"T"	"G"	"T"	"G"	"T"	"A"	"T"	"A"	"C"
[3,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[4,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[5,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[6,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[1,]	[,10340]	[,10341]	[,10342]	[,10343]	[,10344]	[,10345]	[,10346]	[,10347]	[,10348]	[,10349]	[,10350]	[,10351]
[2,]	"A"	"C"	"A"	"C"	"T"	"G"	"A"	"C"	"A"	"C"	"T"	"T"
[3,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[4,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[5,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[6,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[1,]	[,10352]	[,10353]	[,10354]	[,10355]	[,10356]	[,10357]	[,10358]	[,10359]	[,10360]	[,10361]	[,10362]	[,10363]
[2,]	"G"	"G"	"T"	"T"	"C"	"A"	"C"	"G"	"C"	"A"	"T"	"G"
[3,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[4,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[5,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[6,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[1,]	[,10364]	[,10365]	[,10366]	[,10367]	[,10368]	[,10369]	[,10370]	[,10371]	[,10372]	[,10373]	[,10374]	[,10375]
[2,]	"A"	"A"	"G"	"A"	"A"	"C"	"A"	"G"	"T"	"G"	"C"	"C"
[3,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[4,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[5,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[6,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[1,]	[,10376]	[,10377]	[,10378]	[,10379]	[,10380]	[,10381]	[,10382]	[,10383]	[,10384]	[,10385]	[,10386]	[,10387]
[2,]	"T"	"A"	"T"	"G"	"C"	"A"	"C"	"T"	"T"	"T"	"G"	"T"
[3,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[4,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[5,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[6,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[1,]	[,10388]	[,10389]	[,									

[4,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	
[5,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	
[6,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	
[1,]	[,10436]	[,10437]	[,10438]	[,10439]	[,10440]	[,10441]	[,10442]	[,10443]	[,10444]	[,10445]	[,10446]	[,10447]
[2,]	"A"	"G"	"A"	"T"	"G"	"T"	"A"	"T"	"T"	"G"	"T"	"A"
[3,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[4,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[5,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[6,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[1,]	[,10448]	[,10449]	[,10450]	[,10451]	[,10452]	[,10453]	[,10454]	[,10455]	[,10456]	[,10457]	[,10458]	[,10459]
[2,]	"A"	"T"	"T"	"T"	"A"	"A"	"A"	"T"	"G"	"T"	"A"	"T"
[3,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[4,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[5,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[6,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[1,]	[,10460]	[,10461]	[,10462]	[,10463]	[,10464]	[,10465]	[,10466]	[,10467]	[,10468]	[,10469]	[,10470]	[,10471]
[2,]	"A"	"T"	"G"	"T"	"T"	"A"	"T"	"T"	"T"	"T"	"T"	"G"
[3,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[4,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[5,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[6,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[1,]	[,10472]	[,10473]	[,10474]	[,10475]	[,10476]	[,10477]	[,10478]	[,10479]	[,10480]	[,10481]	[,10482]	[,10483]
[2,]	"G"	"C"	"T"	"A"	"T"	"T"	"C"	"A"	"T"	"C"	"T"	"A"
[3,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[4,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[5,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[6,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[1,]	[,10484]	[,10485]	[,10486]	[,10487]	[,10488]	[,10489]	[,10490]	[,10491]	[,10492]	[,10493]	[,10494]	[,10495]
[2,]	"A"	"A"	"T"	"G"	"C"	"A"	"G"	"T"	"A"	"G"	"A"	"C"
[3,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[4,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[5,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[6,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[1,]	[,10496]	[,10497]	[,10498]	[,10499]	[,10500]	[,10501]	[,10502]	[,10503]	[,10504]	[,10505]	[,10506]	[,10507]
[2,]	"A"	"T"	"G"	"T"	"T"	"G"	"A"	"T"	"C"	"G"	"G"	"T"
[3,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[4,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[5,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[6,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[1,]	[,10508]	[,10509]	[,10510]	[,10511]	[,10512]	[,10513]	[,10514]	[,10515]	[,10516]	[,10517]	[,10518]	[,10519]
[2,]	"G"	"T"	"T"	"T"	"T"	"G"	"C"	"A"	"A"	"A"	"C"	"A"
[3,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[4,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[5,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[6,]	"_"	"_"	"_"	"_"	"_"							

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[1,]	"C"	"C"	"T"	"C"	"C"	"T"	"T"	"T"	"G"	"C"	"T"	"T"
[2,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[3,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[4,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[5,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[6,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[1,]	[,10832]	[,10833]	[,10834]	[,10835]	[,10836]	[,10837]	[,10838]	[,10839]	[,10840]	[,10841]	[,10842]	[,10843]
[2,]	"G"	"G"	"T"	"G"	"G"	"A"	"T"	"T"	"G"	"G"	"G"	"C"
[3,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[4,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[5,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[6,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[1,]	[,10844]	[,10845]	[,10846]	[,10847]	[,10848]	[,10849]	[,10850]	[,10851]	[,10852]	[,10853]	[,10854]	[,10855]
[2,]	"T"	"C"	"A"	"G"	"A"	"G"	"G"	"A"	"A"	"C"	"A"	"A"
[3,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[4,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[5,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[6,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[1,]	[,10856]	[,10857]	[,10858]	[,10859]	[,10860]	[,10861]	[,10862]	[,10863]	[,10864]	[,10865]	[,10866]	[,10867]
[2,]	"A"	"A"	"A"	"G"	"T"	"T"	"A"	"G"	"T"	"C"	"T"	"G"
[3,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[4,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[5,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[6,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[1,]	[,10868]	[,10869]	[,10870]	[,10871]	[,10872]	[,10873]	[,10874]	[,10875]	[,10876]	[,10877]	[,10878]	[,10879]
[2,]	"A"	"C"	"T"	"C"	"T"	"G"	"T"	"G"	"C"	"A"	"T"	"A"
[3,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[4,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[5,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[6,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[1,]	[,10880]	[,10881]	[,10882]	[,10883]	[,10884]	[,10885]	[,10886]	[,10887]	[,10888]	[,10889]	[,10890]	[,10891]
[2,]	"T"	"T"	"A"	"G"	"C"	"A"	"T"	"C"	"A"	"T"	"G"	"T"
[3,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[4,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[5,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[6,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[1,]	[,10892]	[,10893]	[,10894]	[,10895]	[,10896]	[,10897]	[,10898]	[,10899]	[,10900]	[,10901]	[,10902]	[,10903]
[2,]	"C"	"T"	"T"	"T"	"A"	"G"	"A"	"G"	"A"	"A"	"A"	"G"
[3,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[4,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[5,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[6,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[1,]	[,10904]	[,10905]	[,10906]	[,10907]	[,10908]	[,10909]	[,10910]	[,10911]	[,10912]	[,10913]	[,10914]	[,10915]
[2,]	"G"	"T"	"C"	"A"	"G"	"C"	"C"	"T"	"C"	"T"	"C"	"T"
[3,]	"_"	"_"										

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[6,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[1,]	[,11084]	[,11085]	[,11086]	[,11087]	[,11088]	[,11089]	[,11090]	[,11091]	[,11092]	[,11093]	[,11094]	[,11095]
[2,]	"G"	"T"	"T"	"C"	"T"	"C"	"T"	"G"	"T"	"A"	"A"	"A"
[3,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[4,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[5,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[6,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[1,]	[,11096]	[,11097]	[,11098]	[,11099]	[,11100]	[,11101]	[,11102]	[,11103]	[,11104]	[,11105]	[,11106]	[,11107]
[2,]	"A"	"A"	"A"	"C"	"T"	"T"	"A"	"G"	"A"	"G"	"C"	"A"
[3,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[4,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[5,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[6,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[1,]	[,11108]	[,11109]	[,11110]	[,11111]	[,11112]	[,11113]	[,11114]	[,11115]	[,11116]	[,11117]	[,11118]	[,11119]
[2,]	"C"	"T"	"A"	"G"	"A"	"A"	"G"	"C"	"A"	"G"	"A"	"G"
[3,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[4,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[5,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[6,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[1,]	[,11120]	[,11121]	[,11122]	[,11123]	[,11124]	[,11125]	[,11126]	[,11127]	[,11128]	[,11129]	[,11130]	[,11131]
[2,]	"G"	"A"	"A"	"T"	"A"	"G"	"T"	"G"	"A"	"G"	"T"	"G"
[3,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[4,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[5,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[6,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[1,]	[,11132]	[,11133]	[,11134]	[,11135]	[,11136]	[,11137]	[,11138]	[,11139]	[,11140]	[,11141]	[,11142]	[,11143]
[2,]	"T"	"A"	"C"	"A"	"G"	"C"	"T"	"T"	"A"	"G"	"C"	"C"
[3,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[4,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[5,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[6,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[1,]	[,11144]	[,11145]	[,11146]	[,11147]	[,11148]	[,11149]	[,11150]	[,11151]	[,11152]	[,11153]	[,11154]	[,11155]
[2,]	"G"	"G"	"T"	"T"	"G"	"T"	"A"	"G"	"A"	"G"	"G"	"G"
[3,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[4,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[5,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[6,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[1,]	[,11156]	[,11157]	[,11158]	[,11159]	[,11160]	[,11161]	[,11162]	[,11163]	[,11164]	[,11165]	[,11166]	[,11167]
[2,]	"G"	"C"	"A"	"A"	"C"	"T"	"G"	"A"	"T"	"G"	"A"	"A"
[3,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[4,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[5,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[6,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[1,]	[,11168]	[,11169]	[,11170]	[,11171]	[,11172]	[,11173]	[,11174]	[,11175]	[,11176			

[5,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	
[6,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	
[1,]	[,11216]	[,11217]	[,11218]	[,11219]	[,11220]	[,11221]	[,11222]	[,11223]	[,11224]	[,11225]	[,11226]	[,11227]
[2,]	"T"	"T"	"C"	"T"	"G"	"T"	"G"	"T"	"G"	"C"	"A"	"T"
[3,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[4,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[5,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[6,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[1,]	[,11228]	[,11229]	[,11230]	[,11231]	[,11232]	[,11233]	[,11234]	[,11235]	[,11236]	[,11237]	[,11238]	[,11239]
[2,]	"G"	"T"	"T"	"T"	"T"	"G"	"A"	"A"	"T"	"G"	"A"	"T"
[3,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[4,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[5,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[6,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[1,]	[,11240]	[,11241]	[,11242]	[,11243]	[,11244]	[,11245]	[,11246]	[,11247]	[,11248]	[,11249]	[,11250]	[,11251]
[2,]	"T"	"G"	"A"	"A"	"G"	"A"	"T"	"G"	"G"	"G"	"A"	"T"
[3,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[4,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[5,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[6,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[1,]	[,11252]	[,11253]	[,11254]	[,11255]	[,11256]	[,11257]	[,11258]	[,11259]	[,11260]	[,11261]	[,11262]	[,11263]
[2,]	"T"	"A"	"A"	"C"	"T"	"A"	"A"	"T"	"G"	"C"	"A"	"A"
[3,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[4,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[5,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[6,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[1,]	[,11264]	[,11265]	[,11266]	[,11267]	[,11268]	[,11269]	[,11270]	[,11271]	[,11272]	[,11273]	[,11274]	[,11275]
[2,]	"G"	"T"	"T"	"T"	"A"	"C"	"A"	"G"	"T"	"T"	"G"	"C"
[3,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[4,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[5,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[6,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[1,]	[,11276]	[,11277]	[,11278]	[,11279]	[,11280]	[,11281]	[,11282]	[,11283]	[,11284]	[,11285]	[,11286]	[,11287]
[2,]	"C"	"T"	"C"	"C"	"T"	"A"	"A"	"A"	"A"	"C"	"A"	"C"
[3,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[4,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[5,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[6,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[1,]	[,11288]	[,11289]	[,11290]	[,11291]	[,11292]	[,11293]	[,11294]	[,11295]	[,11296]	[,11297]	[,11298]	[,11299]
[2,]	"A"	"C"	"A"	"T"	"T"	"C"	"T"	"G"	"T"	"A"	"T"	"A"
[3,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[4,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[5,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[6,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[1,]	[,11300]	[,11301]	[,									

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[2,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[3,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[4,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[5,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[6,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[1,]	[,11612]	[,11613]	[,11614]	[,11615]	[,11616]	[,11617]	[,11618]	[,11619]	[,11620]	[,11621]	[,11622] [,11623]
[2,]	"C"	"T"	"T"	"G"	"T"	"A"	"T"	"G"	"T"	"C"	"A"
[3,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[4,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[5,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[6,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[1,]	[,11624]	[,11625]	[,11626]	[,11627]	[,11628]	[,11629]	[,11630]	[,11631]	[,11632]	[,11633]	[,11634] [,11635]
[2,]	"G"	"A"	"A"	"C"	"A"	"A"	"A"	"A"	"G"	"A"	"A"
[3,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[4,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[5,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[6,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[1,]	[,11636]	[,11637]	[,11638]	[,11639]	[,11640]	[,11641]	[,11642]	[,11643]	[,11644]	[,11645]	[,11646] [,11647]
[2,]	"A"	"A"	"T"	"C"	"T"	"A"	"T"	"T"	"G"	"T"	"A"
[3,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[4,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[5,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[6,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[1,]	[,11648]	[,11649]	[,11650]	[,11651]	[,11652]	[,11653]	[,11654]	[,11655]	[,11656]	[,11657]	[,11658] [,11659]
[2,]	"T"	"T"	"C"	"C"	"T"	"C"	"C"	"C"	"A"	"T"	"C"
[3,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[4,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[5,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[6,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[1,]	[,11660]	[,11661]	[,11662]	[,11663]	[,11664]	[,11665]	[,11666]	[,11667]	[,11668]	[,11669]	[,11670] [,11671]
[2,]	"A"	"C"	"A"	"A"	"T"	"C"	"C"	"C"	"C"	"A"	"T"
[3,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[4,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[5,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[6,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[1,]	[,11672]	[,11673]	[,11674]	[,11675]	[,11676]	[,11677]	[,11678]	[,11679]	[,11680]	[,11681]	[,11682] [,11683]
[2,]	"G"	"G"	"T"	"C"	"T"	"G"	"A"	"A"	"G"	"T"	"C"
[3,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[4,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[5,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[6,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[1,]	[,11684]	[,11685]	[,11686]	[,11687]	[,11688]	[,11689]	[,11690]	[,11691]	[,11692]	[,11693]	[,11694] [,11695]
[2,]	"C"	"G"	"T"	"A"	"G"	"C"	"A"	"C"	"A"	"G"	"A"
[3,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[4,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[5,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[6,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[1,]	[,11696]	[,11697]	[,								

[1,]	"C"	"A"	"A"	"A"	"A"	"A"	"G"	"A"	"T"	"A"	"A"	"A"
[2,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[3,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[4,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[5,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[6,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[1,]	[,11744]	[,11745]	[,11746]	[,11747]	[,11748]	[,11749]	[,11750]	[,11751]	[,11752]	[,11753]	[,11754]	[,11755]
[2,]	"A"	"T"	"C"	"T"	"T"	"C"	"A"	"A"	"C"	"T"	"A"	"A"
[3,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[4,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[5,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[6,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[1,]	[,11756]	[,11757]	[,11758]	[,11759]	[,11760]	[,11761]	[,11762]	[,11763]	[,11764]	[,11765]	[,11766]	[,11767]
[2,]	"T"	"T"	"T"	"T"	"T"	"G"	"A"	"A"	"T"	"T"	"G"	"T"
[3,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[4,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[5,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[6,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[1,]	[,11768]	[,11769]	[,11770]	[,11771]	[,11772]	[,11773]	[,11774]	[,11775]	[,11776]	[,11777]	[,11778]	[,11779]
[2,]	"T"	"T"	"C"	"T"	"C"	"A"	"T"	"A"	"T"	"A"	"T"	"G"
[3,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[4,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[5,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[6,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[1,]	[,11780]	[,11781]	[,11782]	[,11783]	[,11784]	[,11785]	[,11786]	[,11787]	[,11788]	[,11789]	[,11790]	[,11791]
[2,]	"C"	"T"	"A"	"C"	"T"	"A"	"G"	"A"	"A"	"A"	"A"	"T"
[3,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[4,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[5,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[6,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[1,]	[,11792]	[,11793]	[,11794]	[,11795]	[,11796]	[,11797]	[,11798]	[,11799]	[,11800]	[,11801]	[,11802]	[,11803]
[2,]	"G"	"C"	"C"	"T"	"T"	"G"	"T"	"T"	"G"	"A"	"T"	"G"
[3,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[4,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[5,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[6,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[1,]	[,11804]	[,11805]	[,11806]	[,11807]	[,11808]	[,11809]	[,11810]	[,11811]	[,11812]	[,11813]	[,11814]	[,11815]
[2,]	"A"	"A"	"G"	"C"	"A"	"C"	"A"	"T"	"T"	"T"	"T"	"G"
[3,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[4,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[5,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[6,]	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"	"_"
[1,]	[,11816]	[,11817]	[,11818]	[,11819]	[,11820]	[,11821]	[,11822]	[,11823]	[,11824]	[,11825]	[,11826]	[,11827]
[2,]	"G"	"G"	"T"	"A"	"G"	"T"	"T"	"G"	"A"	"G"	"G"	"T"
[3,]	"_"	"_"										

[illegible]

```

[6,] "-" "-" "-" "-" "-" "-" "-" "-" "-" "-" "-"
[1,] [,11996] [,11997] [,11998] [,11999] [,12000] [,12001] [,12002] [,12003] [,12004] [,12005] [,12006] [,12007]
[2,] "G" "T" "G" "G" "A" "T" "T" "T" "C" "A" "A" "T"
[3,] "-" "-" "-" "-" "-" "-" "-" "-" "-" "-" "-"
[4,] "-" "-" "-" "-" "-" "-" "-" "-" "-" "-" "-"
[5,] "-" "-" "-" "-" "-" "-" "-" "-" "-" "-" "-"
[6,] "-" "-" "-" "-" "-" "-" "-" "-" "-" "-" "-"
[1,] [,12008] [,12009] [,12010]
[2,] "T" "T" "A"
[3,] "-" "-" "-"
[4,] "-" "-" "-"
[5,] "-" "-" "-"
[6,] "-" "-" "-"
> # Compute the SFS
> SFS <- compute_SFS(alignment)
>
> # Output the SFS
> print(SFS)
[1] 635 56 20 35 1666
>
> # The function for computing TajimasD values
> TajimasD <- function(sfs){
+ #For the computed SFS
+ n <- length(sfs) + 1
+ ss <- sum(sfs)
+
+ a1 <- sum(1 / seq_len(n-1))
+ a2 <- sum(1 / seq_len(n-1)^2)
+
+ b1 <- (n + 1) / (3 * (n - 1))
+ b2 <- 2 * (n^2 + n + 3)/(9 * n * (n - 1))
+
+ c1 <- b1 - 1/a1
+ c2 <- 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] -1.41194
>
>
>

```