```
                                 (((((((..(((...(((.........)))))))((..(......)))).(((((.....
chr-2.trna492-Glu-CTC    GGGGUGGUGGCGCAGUUGGCUAGCGCG-AAGGUCUCUCCAUCCUGAGAUCAAGAGGUUC-G 58
chr-5.trna116-Glu-CTC    GUCCCUUUCGUCCAG-AGGUUAGGACA-UCGUCUUCU-CAUGUCGAAGACACGGGUUC-G 56
chr-1.trna320-Glu-CTC    UCCGUCGUAGUCUAGGUGGUUAGGAUACUCGGCUCU--CACCCGAGAGACCCGGGUUC-A 57
chr-1.trna321-Glu-CTC    UCCGUCGUAGUCUAGGUGGUUAGGAUACUCGGCUCU--CACCCGAGAGACCCGGGUUC-A 57
chr-1.trna379-Glu-CTC    UCCGUCGUAGUCUAGGUGGUUAGGAUACUCGGCUCU--CACCCGAGAGACCCGGGUUC-A 57
chr-1.trna409-Glu-CTC    UCCGUCGUAGUCUAGGUGGUUAGGAUACUCGGCUCU--CACCCGAGAGACCCGGGUUC-A 57
chr-7.trna405-Glu-CTC    UCCGUCGUAGUCUAGGUGGUUAGGAUACUCGGCUCU--CACCCGAGAGACCCGGGUUC-A 57
chr-7.trna404-Glu-CTC    UCCGUCGUAGUCUAGGUGGUUAGGAUACUCGGCUCU--CACCCGAGAGACCCGGGUUC-A 57
chr-2.trna483-Glu-CTC    UCCGUCGUAGUCUAGGUGGUUAGGAUACUCGGCUCU--CACCCGAGAGACCCGGGUUC-A 57
chr-3.trna2-Glu-CTC      UCCGUCGUAGUCUAGGUGGUUAGGAUACUCGGCUCU--CACCCGAGAGACCCGGGUUC-A 57
chr-7.trna245-Glu-CTC    UCCGUCGUAGUCUAGGUGGUUAGGAUACUCGGCUCU--CACCCGAGAGACCCGGGUUC-A 57
chr-7.trna244-Glu-CTC    UCCGUCGUAGUCUAGGUGGUUAGGAUACUCGGCUCU--CACCCGAGAGACCCGGGUUC-A 57
chr-3.trna458-Glu-CTC    UCCGUCGUAGUCUAGGUGGUUAGGAUACUCGGCUCU--CACCCGAGAGACCCGGGUUC-A 57
chr-7.trna242-Glu-CTC    UCCGUCGUAGUCUAGGUGGUUAGGAUACUCGGCUCU--CACCCGAGAGACCCGGGUUC-A 57
chr-7.trna205-Glu-CTC    UCCGUCGUAGUCUAGGUGGUUAGGAUACUCGGCUCU--CACCCGAGAGACCCGGGUUC-A 57
chr-3.trna519-Glu-CTC    UCCGUCGUAGUCUAGGUGGUUAGGAUACUCGGCUCU--CACCCGAGAGACCCGGGUUC-A 57
chr-7.trna202-Glu-CTC    UCCGUCGUAGUCUAGGUGGUUAGGAUACUCGGCUCU--CACCCGAGAGACCCGGGUUC-A 57
chr-7.trna201-Glu-CTC    UCCGUCGUAGUCUAGGUGGUUAGGAUACUCGGCUCU--CACCCGAGAGACCCGGGUUC-A 57
chr-5.trna217-Glu-CTC    UCCGUCGUAGUCUAGGUGGUUAGGAUACUCGGCUCU--CACCCGAGAGACCCGGGUUC-A 57
chr-5.trna225-Glu-CTC    UCCGUCGUAGUCUAGGUGGUUAGGAUACUCGGCUCU--CACCCGAGAGACCCGGGUUC-A 57
chr-5.trna279-Glu-CTC    UCCGUCGUAGUCUAGGUGGUUAGGAUACUCGGCUCU--CACCCGAGAGACCCGGGUUC-A 57
chr-5.trna284-Glu-CTC    UCCGUCGUAGUCUAGGUGGUUAGGAUACUCGGCUCU--CACCCGAGAGACCCGGGUUC-A 57
chr-5.trna332-Glu-CTC    UCCGUCGUAGUCUAGGUGGUUAGGAUACUCGGCUCU--CACCCGAGAGACCCGGGUUC-A 57
chr-6.trna74-Glu-CTC     UCCGUCGUAGUCUAGGUGGUUAGGAUACUCGGCUCU--CACCCGAGAGACCCGGGUUC-A 57
chr-7.trna203-Glu-CTC    UCCGUUGUAGUCUAGGUGGUUAGGAUACUCGGCUCU--CACCCGAGAGACCCGGGUUC-A 57
chr-2.trna480-Glu-CTC    UCCGUCGUAGUCUAGGUGGUUAGGAUACACGGCUCU--CACCCGAGAGACCCGGGUUC-A 57
chr-5.trna285-Glu-CTC    UCCGUUGUAGUCUAGGUGGUUAGGAUACUCGGCUCU--CAUCCGAGAGACCCGGGCUC-A 57
chr-5.trna281-Glu-CTC    UCCGUCGUAGUCUAGGUGGUUAGGAUACUCGGCUCU--CACCUGAGAGACCCGGGUUC-A 57
chr-7.trna403-Glu-CTC    UCCGUCGUAGUCUAGGUGGUCAGGAUACUCGGCUCU--CACCCGAGAGACCCGGGUUC-A 57
chr-4.trna91-Glu-CTC     UCCGUCGUAGUCUAGGUGGUUAGGAUACUCGGCUCU--CACCCGAGAGACCCGGGUUC-A 57
chr-3.trna1-Glu-CTC      UCCGUCGUAGUUUAGGUGGUUAGGAUACUCGGCUCU--CACCCGAGAGACCCGGGUUC-A 57
chr-1.trna408-Glu-CTC    UCCGUUGUAGUCUAGGUGGUUAGGAUACUCGGCUCU--CACCCAAGAGAUCUGGGUUC-A 57
chr-2.trna484-Glu-CTC    UCCGUCGUAGUCUAGGUGGUUAGGAUACUCGACUCU--CACCUGAGAGACCCGGGUUC-A 57
chr-2.trna486-Glu-CTC    UCCGUCGUAGUCUAGGUGUUUAGGAUACUCGGCUCU--CACCUCAGAGACCCGGGUUC-A 57
chr-7.trna200-Glu-CTC    UCCGUCGUAGUCUAGGUGGUUAGGAUACUCGGCUCU--CACCUGAGAGACCCGGGUUC-A 57
chr-2.trna485-Glu-CTC    UCCGUUGUAGUAUAUGUGGUUACGAUACUCGGCUCU--CACCUGAGAGACCCGGGUUC-A 57
chr-7.trna243-Glu-CTC    UCCAUUGUAGUCUAGGUGGUUAGGAUACUUGGCUCU--CGCUCGAGAGACCCGGGUUC-A 57
chr-4.trna234-Glu-CTC    -----CU--GCUCAGUUGG-UAAAGCACAAAGCUCUC-AACCUUGUGGAUGUGGGUUC-A 50
chr-7.trna46-Glu-CTC     -----CU--GCUCAGUUGG-UAAAGCACAAAGCUCUC-AACCUUGUGGACGUGGGUUC-A 50
chr-3.trna378-Glu-CTC    -----CU--GCUCAGUUGG-UAAAGCACAAAGCUCUC-AACCUUGUGAACGUGGGUUC-A 50
chr-1.trna232-Glu-CTC    --CCACU--GCUCAGUUGG-UAAAGCACAAAGCUCUC-AACCUUACGGACGUGGGUUC-A 53
chr-2.trna53-Glu-CTC     --CCACU--GCUCAGUUGG-UAAAGCACAAAGCUCUC-AACCUUGUGGACGUGGGUUC-A 53
chr-2.trna229-Glu-CTC    --CCACU--GCUCAGUUGG-UAAAGCACAAAGCUCUC-AACCUUGUGGACGUGGGUUC-A 53
chr-1.trna395-Glu-CTC    --CCACU--GCUCAGUUGG-UAAAGCACAAAGCUCUC-AACCUUGUGGACGUGGGUUC-A 53
chr-1.trna491-Glu-CTC    --CCACU--GCUCAGUUGG-UAAAGCACAAAGCUCUC-AACCUUGUGGACGUGGGUUC-A 53
chr-2.trna227-Glu-CTC    --CCACU--GCUCAGUUGG-UAAAGCACAAAGCUCUC-AACCUUGUGGACGUGGGUUC-A 53
chr-4.trna170-Glu-CTC    --CCACU--GCUCAGUUGG-UAAAGCACAAAGCUCUC-AACCUUGUGGACGUGGGUUC-A 53
chr-5.trna199-Glu-CTC    --CCACU--GCUCAGUUGG-UAAAGCACAAAGCUCUC-AACCUUGUGGACGUGGGUUC-A 53
chr-6.trna161-Glu-CTC    --CCACU--GCUCAGUUGG-UAAAGCACAAAGCUCUC-AACCUUGUGGACGUGGGUUC-A 53
chr-4.trna75-Glu-CTC     --CCACU--GCUCAGUUGG-UAAAGCACAAAGCUCUC-AACCUUGUGGACGUGGGUUC-A 53
chr-7.trna142-Glu-CTC    --CCACU--GCUCAGUUGG-UAAAGCACAAAGCUCUC-AACCUUGUGGACGUGGGUUC-A 53
chr-3.trna215-Glu-CTC    --CCACU--GCUCAGUUGG-UAAAGCACAAAGCUCUC-AACCUUGUGGACGUGGGUUC-A 53
chr-2.trna166-Glu-CTC    --CCACU--GCUCAGUUGG-UAAAGCACAAAGCUCUC-AACCUUGUGGACGUGGGUUC-A 53
chr-4.trna89-Glu-CTC     --CCACU--GCUCAGUUGG-UAAAGCACAACGCUCUC-AACCUUGUGGUCGUGGGUUC-A 53
chr-2.trna120-Glu-CTC    --CCACU--GCUCAGUUGG-UAAAGCACAAAGCUCUC-AACCUUGUGGACGUGGGUUCAA 54
chr-2.trna441-Glu-CTC    U-CCACU--GCUCAGUUGG-UAAAGCACAAAGCUCUC-AACCUUGUGGACGUGGGUUC-A 54
chr-7.trna267-Glu-CTC    U-CCACU--GCUCAGUUGG-UAAAGCACAAAGCUCUC-AACCUUGUGGACGUGGGUUC-A 54
chr-3.trna250-Glu-CTC    U-CCACU--GCUCAGUUGG-UAAAGCACAAAGCUCUC-AACCUUGUGGACGUGGGUUC-A 54
chr-6.trna314-Glu-CTC    U-CCACU--GCUCAGUUGG-UAAAGCACAAAGCUCUC-AACCUUGUGGACGUGGGUUC-A 54
chr-3.trna59-Glu-CTC     U-CCACU--GCUCAGUUGG-UAAAGUACAAAGCUCUC-AACCUUGUGGACGUGGGUUC-A 54
chr-1.trna213-Glu-CTC    U-CCACU--GCUCAGUUGG-UAAAGCACAAAGCUCUC-AACCUUGUGGACGUGGGUUC-A 54
chr-7.trna166-Glu-CTC    U-CCACU--GCUCAGUUGG-UAAAGCACAAAGCUCUC-AACCUUGUGGACGUGGGUUC-A 54
chr-1.trna549-Glu-CTC    U-CCACU--GCUCAGUUGG-UAAAGCACAAAGCUCUC-AACCUUGUGGACCUGGGUUC-A 54
chr-4.trna312-Glu-CTC    U-CCACU--GCUCAGUUGG-UAAAGCACAAAGCUCUC-AACCUUGUGGAUGUGGGUUC-A 54
chr-3.trna565-Glu-CTC    U-CCACU--GCUCAGUUCG-UAAAGCACAAAGCUCUC-AACCUUGUGGACAUGGGUUC-A 54
chr-7.trna436-Glu-CTC    U-CCACU--GCUCAGUUGG-UAAAUCACAAAGCUCUC-AACCUUGUGGACGUGGGUUC-A 54
chr-2.trna301-Glu-CTC    U-CCACU--GCUCAGUUGG-UAAAGCACAAAGAUCUC-AACCUUGUGGACGUGGGUUC-A 54
chr-6.trna124-Glu-CTC    U-CCACU--GUUCAGUUGG-UAAAGCACAAAGCUCUC-AACCUUGUGGACGUGGGUUC-A 54
chr-3.trna396-Glu-CTC    --UCAUU--GCUCAGUUGG-UAAAGCACAAAGCUCUC-AACCUUGUGGACGUGGGUUC-A 53
chr-1.trna446-Glu-CTC    U-CCACU--AUUCAGUUGG-UAGAGUACAAAGCUCUC-AACCUCGUGGACGUGGGUUC-A 54
chr-7.trna98-Glu-CTC     U-CCACU--ACUCAGUUGG-AAGAGUACAAAGCUCUC-AUCCUUAUGGACAUGGGUUC-G 54
chr-5.trna387-Glu-CTC    ------U--GCUCAAUUGG-UAAAGCACAAAGCUCUC-AACCUUGUGGACGUGGGCUC-A 49
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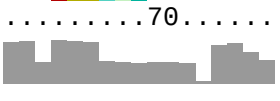
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                                 ...))))))))).))).
chr-2.trna492-Glu-CTC    AGCCUCUCUCAC-CCCA 74
chr-5.trna116-Glu-CTC    AUUCCCGUAAGG-GAUA 72
chr-1.trna320-Glu-CTC    AGUCCCGGCGAC-GGAA 73
chr-1.trna321-Glu-CTC    AGUCCCGGCGAC-GGAA 73
chr-1.trna379-Glu-CTC    AGUCCCGGCGAC-GGAA 73
chr-1.trna409-Glu-CTC    AGUCCCGGCGAC-GGAA 73
chr-7.trna405-Glu-CTC    AGUCCCGGCGAC-GGAA 73
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chr-2.trna483-Glu-CTC    AGUCCCGGCGAC-GGAA 73
chr-3.trna2-Glu-CTC      AGUCCCGGCGAC-GGAA 73
chr-7.trna245-Glu-CTC    AGUCCCGGCGAC-GGAA 73
chr-7.trna244-Glu-CTC    AGUCCCGGCGAC-GGAA 73
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chr-5.trna217-Glu-CTC    AGUCCCGGCGAC-GGAA 73
chr-5.trna225-Glu-CTC    AGUCCCGGCGAC-GGAA 73
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chr-5.trna332-Glu-CTC    AGUCCCGGCGAC-GGAA 73
chr-6.trna74-Glu-CTC     AGUCCCGGCGAC-GGAA 73
chr-7.trna203-Glu-CTC    AGUCCCGGCGAC-GGAA 73
chr-2.trna480-Glu-CTC    AGUCCCGGCGAC-GGAA 73
chr-5.trna285-Glu-CTC    AGUCCCGGCGAC-GGAA 73
chr-5.trna281-Glu-CTC    AGUCCCGGCGAC-GGAA 73
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chr-4.trna91-Glu-CTC     AGUCCCGGCGAC-AGAA 73
chr-3.trna1-Glu-CTC      AGUCCCGGCAAC-GGAA 73
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chr-4.trna234-Glu-CTC    AGCCCCAUGAUG-GAGU 66
chr-7.trna46-Glu-CTC     AGCCCCAUGGUG-AAGU 66
chr-3.trna378-Glu-CTC    AGCCCCAUGAUG-AGGG 66
chr-1.trna232-Glu-CTC    AGCCCCAUGAUG-GGGG 69
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chr-1.trna213-Glu-CTC    GGCCCCAUGAUG-GGAG 70
chr-7.trna166-Glu-CTC    GGCCCCAUGAUG-GGAG 70
chr-1.trna549-Glu-CTC    AGCCCCAUGAUG-GGAG 70
chr-4.trna312-Glu-CTC    AGCCCCAUGAUG-GGAG 70
chr-3.trna565-Glu-CTC    AGCCCCAUGAUC-GGAG 70
chr-7.trna436-Glu-CTC    AGCCCCAUGAUG-GGAG 70
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chr-7.trna98-Glu-CTC     GGCCCCAUGGAGAGGAU 71
chr-5.trna387-Glu-CTC    AGCCCCGUGAUG-AGAG 65
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