```
                                                  (((((((..(((.(.....)).)))((((((.....))))))((.........)).
chr-VIII.trna59-Leu-TAG   GGGGAUGUAGCUCAACUGG--UAGAGCAUUA--UGAUAUAGC-UUUCUA------AAGGU 49
chr-VIII.trna3-Leu-GAG    AGGGAUGUAGCUCAAUUGA--UAGAGCAUCAAUUGAUAGAGCAUUAAUA----ACUAGGC 54
chr-VII.trna47-Leu-GAG    AGGGAUGUAGCUCAAUUGA--UAGAGCAUCAAUUGAUAGAGCAUUAAUA----ACUAGGC 54
chr-I.trna43-Leu-CAG      GUCAAGAUGGCCGAGUUGGUCUAAGGCGCCAGUUUCAGGUACUGGUCCG-----AAAGGG 55
chr-I.trna62-Leu-CAG      GUCAAGAUGGCCGAGUUGGUCUAAGGCGCCAGUUUCAGGUACUGGUCCG-----AAAGGG 55
chr-II.trna25-Leu-CAG     GUCAAGAUGGCCGAGUUGGUCUAAGGCGCCAGUUUCAGGUACUGGUCCG-----AAAGGG 55
chr-V.trna75-Leu-CAG      GUCAAGAUGGCCGAGUUGGUCUAAGGCGCCAGUUUCAGGUACUGGUCCG-----AAAGGG 55
chr-II.trna45-Leu-CAG     GUCAAGAUGGCCGAGUUGGUCUAAGGCGCCAGUUUCAGGUACUGGUCCG-----AAAGGG 55
chr-II.trna54-Leu-CAG     GUCAAGAUGGCCGAGUUGGUCUAAGGCGCCAGUUUCAGGUACUGGUCCG-----AAAGGG 55
chr-III.trna8-Leu-CAG     GUCAAGAUGGCCGAGUUGGUCUAAGGCGCCAGUUUCAGGUACUGGUCCG-----AAAGGG 55
chr-III.trna34-Leu-CAG    GUCAAGAUGGCCGAGUUGGUCUAAGGCGCCAGUUUCAGGUACUGGUCCG-----AAAGGG 55
chr-IX.trna95-Leu-CAG     GUCAAGAUGGCCGAGUUGGUCUAAGGCGCCAGUUUCAGGUACUGGUCCG-----AAAGGG 55
chr-VII.trna76-Leu-CAG    GUCAAGAUGGCCGAGUUGGUCUAAGGCGCCAGUUUCAGGUACUGGUCCG-----AAAGGG 55
chr-V.trna35-Leu-CAG      GUCAAGAUGGCCGAGUUGGUCUAAGGCGCCAGUUUCAGGUACUGGUCCG-----AAAGGG 55
chr-I.trna19-Leu-AAG      GACGAGAUGGCCGAGUUGGUCUAAGGCGCCAGAUUAAGGUUCUGGUCCG-----AAAGGG 55
chr-I.trna78-Leu-AAG      GACGAGAUGGCCGAGUUGGUCUAAGGCGCCAGAUUAAGGUUCUGGUCCG-----AAAGGG 55
chr-IX.trna57-Leu-AAG     GUUGAGAUGGCCGAGUUGGUCUAAGGCGCCAGAUUAAGGUUCUGGUCCG-----AAAGGG 55
chr-II.trna53-Leu-AAG     GUUGAGAUGGCCGAGUUGGUCUAAGGCGCCAGAUUAAGGUUCUGGUCCG-----AAAGGG 55
chr-IV.trna15-Leu-AAG     GUUGAGAUGGCCGAGUUGGUCUAAGGCGCCAGAUUAAGGUUCUGGUCCG-----AAAGGG 55
chr-IX.trna104-Leu-AAG    GACGAGAUGGCCGAGUUGGUCUAAGGCGCCAGAUUAAGGUUCUGGUCCG-----AAAGGG 55
chr-IV.trna25-Leu-AAG     GACGAGAUGGCCGAGUUGGUCUAAGGCGCCAGAUUAAGGUUCUGGUCCG-----AAAGGG 55
chr-V.trna5-Leu-AAG       GUUGAGAUGGCCGAGUUGGUCUAAGGCGCCAGAUUAAGGUUCUGGUCCG-----AAAGGG 55
chr-V.trna17-Leu-AAG      GUUGAGAUGGCCGAGUUGGUCUAAGGCGCCAGAUUAAGGUUCUGGUCCG-----AAAGGG 55
chr-V.trna41-Leu-AAG      GUUGAGAUGGCCGAGUUGGUCUAAGGCGCCAGAUUAAGGUUCUGGUCCG-----AAAGGG 55
chr-V.trna51-Leu-AAG      GUUGAGAUGGCCGAGUUGGUCUAAGGCGCCAGAUUAAGGUUCUGGUCCG-----AAAGGG 55
chr-VII.trna2-Leu-AAG     GUUGAGAUGGCCGAGUUGGUCUAAGGCGCCAGAUUAAGGUUCUGGUCCG-----AAAGGG 55
chr-VI.trna23-Leu-AAG     GUUGAGAUGGCCGAGUUGGUCUAAGGCGCCAGAUUAAGGUUCUGGUCCG-----AAAGGG 55
chr-V.trna63-Leu-AAG      GUUGAGAUGGCCGAGUUGGUCUAAGGCGCCAGAUUAAGGUUCUGGUCCG-----AAAGGG 55
chr-V.trna59-Leu-TAG      GACAGUUUGGCCGAG-UGGUCUAAGGCGCCAGAUUUAGGCUCUGGUCCG-----AAAGGG 54
chr-I.trna66-Leu-TAG      GACAGUUUGGCCGAG-UGGUCUAAGGCGCCAGAUUUAGGCUCUGGUCCG-----AAAGGG 54
chr-V.trna43-Leu-TAG      GACAGUUUGGCCGAG-UGGUCUAAGGCGCCAGAUUUAGGCUCUGGUCCG-----AAAGGG 54
chr-III.trna7-Leu-TAG     GACAGUUUGGCCGAG-UGGUCUAAGGCGCCAGAUUUAGGCUCUGGUCCG-----AAAGGG 54
chr-III.trna71-Leu-TAG    GACAGUUUGGCCGAG-UGGUCUAAGGCGCCAGAUUUAGGCUCUGGUCCG-----AAAGGG 54
chr-IX.trna58-Leu-AAG     GUUGAGAUGGCCGAGU---UCUAAGGCGCCAGAUUAAGGUUCUGGUCCG-----AAAGGG 52
chr-IV.trna28-Leu-CAG     GUCAAGAUGGCCGAGUUGGUCUAAGGCGCCAGUUUCAGGUACUGGUCCG-----AAA--- 52
chr-II.trna30-Leu-AAG     GUGGAGAUGGCUUAG-CGGUCUAAGGCACCAGAUUAAGGGUCUGGUCUG-----AAAGGG 54
chr-VII.trna10-Leu-TAA    GCUGGUUUGCCCGAG-UGGU-UAAGGGGGAAGACUUAAGAUCUUCUGCAC-UGAAGUGCG 57
chr-VIII.trna47-Leu-TAA   GCUGGUUUGCCCGAG-UGGU-UAAGGGGGAAGACUUAAGAUCUUCUGCACAAUAAGUGCG 58
chr-I.trna46-Leu-CAA      GUCAGGAUGGCCGAG-UGGUCUAAGGCGCCAGACUCAAGUUCUGGUCCUC-UAACGAGGG 58
chr-IV.trna16-Leu-CAA     GUCAGGAUGGCCGAG-UGGUCUAAGGCGCCAGACUCAAGUUCUGGUCCUC-UAACGAGGG 58
chr-IX.trna133-Leu-CAA    GUCAGGAUGGCCGAG-UGGUCUAAGGCGCCAGACUCAAGUUCUGGUCCUC-UAACGAGGG 58
chr-VII.trna31-Leu-CAA    GUCAGGAUGGCCGAG-UGGUCUAAGGCGCCAGACUCAAGUUCUGGUCCUC-UAACGAGGG 58
chr-VIII.trna70-Leu-CAA   GUCAGGAUGGCCGAG-UGGUCUAAGGCGCCAGACUCAAGUUCUGGUCCUC-UAACGAGGG 58
chr-IX.trna73-Leu-CAA     GUCAGGAUGGCCGAG-UGGUCUAAGGCGCCAGACUCAAGUUCUGGUCCUC-UAACGAGGG 58
chr-IX.trna32-Leu-CAA     GUCAGGAUGGCCGAG-UGGUCUAAGGCGCCAGACUCAAGUUCUGGUCCUC-UAACGAGGG 58
chr-V.trna44-Leu-TAA      GCUGGUUUGCCCGAG-UGGUCUAAGGGGGAAGACUUAAGAUCUUCUGCAC-UCACGUGCG 58
                          .........10........20........30........40........50.........

                          .(((((.......)))))..........
chr-VIII.trna59-Leu-TAG   UCGGGGUUCAACUCCUCGCAUCUCCA 75
chr-VIII.trna3-Leu-GAG    ACGGGGUUCGAUUCCUCGCAUCUCCA 80
chr-VII.trna47-Leu-GAG    ACGGGGUUCGAUUCCUCGCAUCUCCA 80
chr-I.trna43-Leu-CAG      CAUGGGUUCGAAUCCCAUUCUUGACA 81
chr-I.trna62-Leu-CAG      CAUGGGUUCGAAUCCCAUUCUUGACA 81
chr-II.trna25-Leu-CAG     CAUGGGUUCGAAUCCCAUUCUUGACA 81
chr-V.trna75-Leu-CAG      CAUGGGUUCGAAUCCCAUUCUUGACA 81
chr-II.trna45-Leu-CAG     CAUGGGUUCGAAUCCCAUUCUUGACA 81
chr-II.trna54-Leu-CAG     CAUGGGUUCGAAUCCCAUUCUUGACA 81
chr-III.trna8-Leu-CAG     CAUGGGUUCGAAUCCCAUUCUUGACA 81
chr-III.trna34-Leu-CAG    CAUGGGUUCGAAUCCCAUUCUUGACA 81
chr-IX.trna95-Leu-CAG     CAUGGGUUCGAAUCCCAUUCUUGACA 81
chr-VII.trna76-Leu-CAG    CAUGGGUUCGAAUCCCAUUCUUGACA 81
chr-V.trna35-Leu-CAG      CAUGGGUUCAAAUCCCAUUCUUGACA 81
chr-I.trna19-Leu-AAG      CGUGGGUUCAAAUCCCACUCUCGUCA 81
chr-I.trna78-Leu-AAG      CGUGGGUUCAAAUCCCACUCUCGUCA 81
chr-IX.trna57-Leu-AAG     CGUGGGUUCAAAUCCCACUCUCAACA 81
chr-II.trna53-Leu-AAG     CGUGGGUUCAAAUCCCACUCUCAACA 81
chr-IV.trna15-Leu-AAG     CGUGGGUUCAAAUCCCACUCUCAACA 81
chr-IX.trna104-Leu-AAG    CGUGGGUUCAAAUCCCACUCUCGUCA 81
chr-IV.trna25-Leu-AAG     CGUGGGUUCAAAUCCCACUCUCGUCA 81
chr-V.trna5-Leu-AAG       CGUGGGUUCAAAUCCCACUCUCAACA 81
chr-V.trna17-Leu-AAG      CGUGGGUUCAAAUCCCACUCUCAACA 81
chr-V.trna41-Leu-AAG      CGUGGGUUCAAAUCCCACUCUCAACA 81
chr-V.trna51-Leu-AAG      CGUGGGUUCAAAUCCCACUCUCAACA 81
chr-VII.trna2-Leu-AAG     CGUGGGUUCAAAUCCCACUCUCAACA 81
chr-VI.trna23-Leu-AAG     CGUGGGUUCAAAUCCCACUCUCAACA 81
chr-V.trna63-Leu-AAG      CGUGGGUUCAAAUCCCACUCUCAACA 81
chr-V.trna59-Leu-TAG      CGUGGGUUCAAAUCCCACAGCUGUCA 80
chr-I.trna66-Leu-TAG      CGUGGGUUCAAAUCCCACAGCUGUCA 80
chr-V.trna43-Leu-TAG      CGUGGGUUCAAAUCCCACAGCUGUCA 80
chr-III.trna7-Leu-TAG     CGUGGGUUCAAAUCCCACAGCUGUCA 80
chr-III.trna71-Leu-TAG    CGUGGGUUCAAAUCCCACAGCUGUCA 80
chr-IX.trna58-Leu-AAG     CGUGGGUUCAAAUCCCACUCUCAACA 78
chr-IV.trna28-Leu-CAG     -AUGGGUUCGAAUCCCAUUCUUGACA 77
chr-II.trna30-Leu-AAG     CGUGGGUUCAAAUCCCAUUGUCCACA 80
chr-VII.trna10-Leu-TAA    CGUGGGUUCGAACCCCACAGCCAGCA 83
chr-VIII.trna47-Leu-TAA   CGUGGGUUCGAACCCCACAGCCAGCA 84
chr-I.trna46-Leu-CAA      CGUGGGUUCAAAUCCCACUUCUGACA 84
chr-IV.trna16-Leu-CAA     CGUGGGUUCAAAUCCCACUUCUGACA 84
chr-IX.trna133-Leu-CAA    CGUGGGUUCAAAUCCCACUUCUGACA 84
chr-VII.trna31-Leu-CAA    CGUGGGUUCAAAUCCCACUUCUGACA 84
chr-VIII.trna70-Leu-CAA   CGUGGGUUCAAAUCCCACUUCUGACA 84
chr-IX.trna73-Leu-CAA     CGUGGGUUCAAAUCCCACUUCUGACA 84
chr-IX.trna32-Leu-CAA     CGUGGGUUCAAAUCCCACUUCUGACA 84
chr-V.trna44-Leu-TAA      CGUGGGUUCGAACCCCACAGCCAGCA 84
                          .........70........80.....

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