```
                                 ((((((((((((.....))))))((.(.(((((.......)))))).).))(((((.....
chr-6.trna59-Asn-GTT             GCUGGAGUAGCUCAGUUGGUUAGAGCGUGUGGCUGUUAAUCUUAAGGUCGGAGGU----- 55
chr-1.trna3-Asn-GTT              GCUGGAAUAGCUCAGUUGGCCAGAGCGUGUGGCUGUUAACCACAAGGUCGGAGGU----- 55
chr-5.trna40-Asn-GTT             GCUGGAAUAGCUCAGUUGGUCAGAGCGUGUGGCUGUUAACCACAAGGUCGGAGGU----- 55
chr-6.trna10-Asn-GTT             GCUGGAAUAGCUCAGUUGGCCAGAGCGUGUGGCUGUUAACCACAAGGUCGGAGGU----- 55
chr-1.trna45-Asn-GTT             GCUGGAAUAGCUCAGUUGGCCAGAGCGUGUGGCUGUUAACCACAAGGUCGGAGGU----- 55
chr-2.trna12-Asn-GTT             GCUGGAAUAGCUCAGUUGGCCAGAGCGUGUGGCUGUUAACCACAAGGUCGGAGGU----- 55
chr-5.trna84-Asn-GTT             GCUGGAAUAGCUCAGUUGGCCAGAGCGUGUGGCUGUUAACCACAAGGUCGGAGGU----- 55
chr-5.trna66-Asn-GTT             GCUGGAGUAGCUCAGUUGGUUAGAGCGUGUGGCUGUUAACCACAAGGUCGGAGGU----- 55
chr-7.trna72-Asn-GTT             GCUGGAGUAGCUCAGUUGGUUAGAGCGUGUGGCUGUUAACCACAAGGUCGGAGGU----- 55
chr-1.trna19-Asn-GTT             GCUGGAGUAGCUCAGUUGGUUAGAGCGUGUGGCUGUUAACCACAAGGUCGAAGGU----- 55
chr-3.trna77-Asn-GTT             GCUGGAGUAGCUCAGUUGGUUAGAGCGUGUGGCUGUUAACCACAAGGUCGAAGGU----- 55
chr-4.trna29-Asn-GTT             GCUGGAGUAGCUCAGUUGGUUAGAGCGUGUGGCUGUUAACCACAAGGUCGAAGGU----- 55
chr-17.trna19-Asn-GTT            GCUGGAAUAGCUCAGUUGGUUAGAGCGUGUGGCUGUUAACCACAAGGUCGGAGGU----- 55
chr-14.trna36-Asn-GTT            GCUGGAAUAGCUCAGUUGGUUAGAGCGUGUGGCUGUUAACCACAAGGUCGGAGGU----- 55
chr-13.trna30-Asn-GTT            GCUGGAAUAGCUCAGUUGGUUAGAGCGUGUGGCUGUUAACCACAAGGUCGGAGGU----- 55
chr-6.trna81-Asn-GTT             GCUGGAAUAGCUCAGUUGGUUAGAGCGUGUGGCUGUUAACCACAAGGUCGGAGGU----- 55
chr-4.trna60-Asn-GTT             GCUGGAAUAGCUCAGUUGGUUAGAGCGUGUGGCUGUUAACCACAAGGUCGGAGGU----- 55
chr-1.trna1-Asn-GTT              GCUGGAAUAGCUCAGUUGGUUAGAGCGUAUGGCUGUUAACCACAAGGUCGGAGGU----- 55
chr-1.trna25-Asn-GTT             GCUGGAAUAGCUCAGUUGGUUAGAGCGUAUGGCUGUUAACCACAAGGUCGGAGGU----- 55
chr-2.trna30-Asn-GTT             GCUGGAAUAGCUCAGUUGGUUAGAGCGUAUGGCUGUUAACCACAAGGUCGGAGGU----- 55
chr-2.trna69-Asn-GTT             GCUGGAAUAGCUCAGUUGGUUAGAGCGUAUGGCUGUUAACCACAAGGUCGGAGGU----- 55
chr-3.trna68-Asn-GTT             GCUGGAAUAGCUCAGUUGGUUAGAGCGUAUGGCUGUUAACCACAAGGUCGGAGGU----- 55
chr-4.trna50-Asn-GTT             GCUGGAAUAGCUCAGUUGGUUAGAGCGUAUGGCUGUUAACCACAAGGUCGG-GUU----- 54
chr-4.trna1-Asn-ATT              GGCCUGUUAGCUCAGUUGGUUAGAGCGUCGUGCUAUUAACGCGAAGGUCCCAGGU----- 55
chr-2.trna63-Asn-GTT             GCUGGAGUAGCUUAGUUGGUUAGAGCGUGUGGCUGUUAACCACUAGGUCGAAGGUGA--- 57
chr-8.trna7-Asn-GTT              GCUGGAGUAGCUC----GGUUAGAUCGUGUGGCUGUUAACCACAAAGUCGGAGGU----- 51
chr-4.trna58-Asn-GTT             GCUGGAAUAGCUCAGUUGGUUAGAGCGUGUGGCUGUUAACCACAAGG----AGGU----- 51
chr-3.trna38-Asn-GTT             GCUGUAAUAGCUCAGUUGGUUAGAGCCUGUGGCUGUUAACCGCAAGGUCGGCAGGG---- 56
chr-1.trna33-Asn-GTT             UCCUCAGUAGCUCAGU--GGUAGAGGGGUCGGCUGUUAACUGACUGGCCGUAGAU----- 53
chr-5.trna34-Asn-ATT             UCCUCAGUAGCUCAGU--GGUAGAGCGGUCGGCUAUUAACUGACUGGUCGUAGGU----- 53
chr-15.trna51-Asn-ATT            UCCUCGGUAGCUCAGU--GGUAGAGCGGUCGACUAUUAACUGACUGGUCGUAGGU----- 53
chr-5.trna16-Asn-GTT             ACUGGAGUAGCUCAGUUGGUUAGAGCGUGUGGCUGUUAACCACAAGGUUUGAGGUUAAGC 60
chr-3.trna69-Asn-GTT             UCCUCGCCGGCUCAGU--GGUAGAGCGGUCGGCUGUUAACUGACUGGUCAUAGAU----- 53
                                 .........10........20........30........40........50.........

                                 ...............)))))))..)))))).
chr-6.trna59-Asn-GTT             --------UCUCAAGCCCUCCCU--CUAGCG 76
chr-1.trna3-Asn-GTT              ----------UCAAGCCCUCCUU--CUAGCG 74
chr-5.trna40-Asn-GTT             ----------UCAAGCCCUCCUU--CUAGCG 74
chr-6.trna10-Asn-GTT             ----------UCGAGCCCUCCUU--CUAGCG 74
chr-1.trna45-Asn-GTT             ----------UCGAGCCCUCCUU--CUAGCG 74
chr-2.trna12-Asn-GTT             ----------UCGAGCCCUCCUU--CUAGCG 74
chr-5.trna84-Asn-GTT             ----------UCGAGCCCUCCUU--CUAGCG 74
chr-5.trna66-Asn-GTT             ----------UCAAGCCCUCCCU--CUAGCG 74
chr-7.trna72-Asn-GTT             ----------UCAAGCCCUCCCU--CUAGCG 74
chr-1.trna19-Asn-GTT             ----------UCAAGCCCUUCCU--CUAGCG 74
chr-3.trna77-Asn-GTT             ----------UCAAGCCCUUCCU--CUAGCG 74
chr-4.trna29-Asn-GTT             ----------UCAAGCCCUUCCU--CUAGCG 74
chr-17.trna19-Asn-GTT            ----------UCAAGCCCUCCUU--CUAGCG 74
chr-14.trna36-Asn-GTT            ----------UCAAGCCCUCCUU--CCAGCG 74
chr-13.trna30-Asn-GTT            ----------UCAAGCCCUCCUU--CUAGCG 74
chr-6.trna81-Asn-GTT             ----------UCAAGCCCUCCUU--CUAGCG 74
chr-4.trna60-Asn-GTT             ----------UCAAGCCCUCCUU--CUAGCG 74
chr-1.trna1-Asn-GTT              ----------UCAAGCCCUCCUU--CUAGCG 74
chr-1.trna25-Asn-GTT             ----------UCAAGCCCUCCUU--CUAGCG 74
chr-2.trna30-Asn-GTT             ----------UCAAGCCCUCCUU--CUAGCG 74
chr-2.trna69-Asn-GTT             ----------UCAAGCCCUCCUU--CUAGCG 74
chr-3.trna68-Asn-GTT             ----------UCAAGCCCUCCUU--CUAGCG 74
chr-4.trna50-Asn-GTT             ----------UCAAGCCCUCCUU--CUAGCG 73
chr-4.trna1-Asn-ATT              ----------UCGAGACCUGCAU--GGGCCA 74
chr-2.trna63-Asn-GTT             ------AGGUUCAAGCCCUUCCU--UUAGUG 80
chr-8.trna7-Asn-GTT              ----------UCAAGCCCUCCCU--CUAGCG 70
chr-4.trna58-Asn-GTT             ----------UCAAGCUCUACUU--CUAGCG 70
chr-3.trna38-Asn-GTT             -------UUUUCAAGCCCUCCUU--CUAGCG 78
chr-1.trna33-Asn-GTT             ----------UCGAAUUCUACUU--GGGGAG 72
chr-5.trna34-Asn-ATT             ----------UCGAAUCCUACUU--GGGGAG 72
chr-15.trna51-Asn-ATT            ----------UUGAAUCCUACCU--GGGGAU 72
chr-5.trna16-Asn-GTT             CCUCUGAGGUUCAAGCCCUCCCU--CUAGUG 89
chr-3.trna69-Asn-GTT             ----------UCGAAUCCUACUUGGGAGAAU 74
                                 .........70........80........90
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