```
                                 (((((((..(((...........))).(((((((...))))))).(((((.....))))
chr-1.trna108-Ser-GCT            GUCGCUUUGGCCGAGUGG-UUAAGGCGUGUGCCUGCUAAGUACA-UGGGGUU----UCCC 54
chr-1.trna109-Ser-GCT            GUCGCUUUGGCCGAGUGG-UUAAGGCGUGUGCCUGCUAAGUACA-UGGGGUU----UCCC 54
chr-3.trna70-Ser-GCT             GUCGCUUUGGCCGAGUGG-UUAAGGCGUGUGCCUGCUAAGUACA-UGGGGUU----UCCC 54
chr-12.trna10-Ser-GCT            GUCGCUUUGGCCGAGUGG-UUAAGGCGUGUGCCUGCUAAGUACA-UGGGGUU----UCCC 54
chr-3.trna114-Ser-GCT            GUCGCUUUGGCCGAGUGG-UUAAGGCGUGUGCCUGCUAAGUACA-UGGGGUU----UCCC 54
chr-6.trna107-Ser-GCT            GUCGCUUUGGCCGAGUGG-UUAAGGCGUGUGCCUGCUAAGUACA-UGGGGUU----UCCC 54
chr-10.trna64-Ser-GCT            GUCGCUUUGGCCGAGUGG-UUAAGGCGUGUGCCUGCUAAGUACA-UGGGGUU----UCCC 54
chr-3.trna116-Ser-GCT            GUCGCUUUGGCCGAGUGG-UUAAGGCGUGUGCCUGCUAAGUACA-UGGGGUU----UCCC 54
chr-3.trna69-Ser-GCT             GUCGCUUUGGCCGAUUGG-UUAAGGCGUGUGCUUGCUAAGUGCA-UGGGGUU----UCCC 54
chr-8.trna163-Ser-GCT            GUCGCUUUGGCCGAGUGG-UUAAGGCGUGGGCCUGCUAAGUACA-UGGG-UU----UCCC 53
chr-7.trna35-Ser-GCT             GUCACUUUGGUUGAGUGG-UUAAGGGGUGUGCCUGCUAAGUACG-UGGGGUU----UUCC 54
chr-2.trna25-Ser-GCT             GGAGAGAUGGCUGAGUGGACUAAAGCGGCGGAUUGCUAAUCCGUUGUACGAGUUAAUCAU 60
chr-6.trna159-Ser-GCT            GGAGAGAUGGUUGAGUGGACUAAAGCGGCGGAUUGCUAAUCUGUUGUACGAGUUAAUCGU 60
chr-7.trna39-Ser-GCT             GGAGAGAUGGUUGAGUGGACUAAAGCGGCGGAUUGCUAAUCCGUUGUACGAGUUAAUCUU 60
chr-11.trna120-Ser-GCT           GGAGAGAUGGCUGAGUGGACUAAAGCGGUGGAUUGCUAAUCCGUUGUACGAGUUAAUCGU 60
chr-1.trna85-Ser-GCT             GGAGAGAUGGCUGAGUGGACUAAAGCGGCGGAUUGCUAAUCCGUUGUACGAGUUAAUCGU 60
chr-5.trna37-Ser-GCT             GGAGAGAUGGCUGAGUGGACUAAAGCGGCGGAUUGCUAAUCCGUUGUACGAGUUAAUCGU 60
chr-8.trna134-Ser-GCT            GGAGAGAUGGCUGAGUGGACUAAAGCGGCGGAUUGCUAAUCCGUUCUACGAGUUAAUCGU 60
chr-2.trna149-Ser-GCT            GGAGAGAUGGAUGAGUGGACUAAAGCGGCGGAUUGCUAAUCCGUUGUACGAGUUAAUCAU 60
chr-2.trna19-Ser-GCT             GGAGAGAUGGCUGAGUGGACUAAAGCGGCGAAUUGCUAAUCCGUUGUACGAGGUAAUCGU 60
chr-6.trna135-Ser-GCT            GGAGAGAUUGCUGAGUGGACUAAAGCGGCAGAUUGCUAAUCCUUUGUACGAGUUAAUCGU 60
chr-1.trna26-Ser-GCT             GGAGGUAUGGCUGAGUGGCUUAAGGCAUUGGUUUGCUAAAUCGACAUACAAGAAGAUUGU 60
chr-2.trna85-Ser-GCT             GGAGGUAUGGCUGAGUGGCUUAAGGCAUUGGUUUGCUAAAUCGACAUACAAGAAGAUUGU 60
chr-1.trna91-Ser-GCT             AGAGGUAUGGCUGAGUGGCUUAAGGCAUUGGUUUGCUCAAUCGACAUACAAGAAGAUUGU 60
chr-1.trna140-Ser-GCT            GGAGGUAUGGCUGAGUGGCUUAAGGCAUUGGUUUGCUAAAUCGACAUACAAGAAGAUUGU 60
chr-9.trna45-Ser-GCT             GGAGGUAUGGCUGAGUGGCUUAAGGCAUUGGUUUGCUAAAUUGACAUACAAUAAUAUUGU 60
                                 .........10........20........30........40........50.........

                                 )).(((.(((.......)))))))))))).
chr-1.trna108-Ser-GCT            CGCGAG-AGUUCGAAUCUCUCAGGCGACG 82
chr-1.trna109-Ser-GCT            CGCGAG-AGUUCGAAUCUCUCAGGCGACG 82
chr-3.trna70-Ser-GCT             CGCGAG-AGUUCGAAUCUCUCAGGCGACG 82
chr-12.trna10-Ser-GCT            CGCGAG-AGUUCGAAUCUCUCAGGCGACG 82
chr-3.trna114-Ser-GCT            CGCGAG-AGUUCGAAUCUCUCAGGCGACG 82
chr-6.trna107-Ser-GCT            CGCGAG-AGUUCGAAUCUCUCAGGCGACG 82
chr-10.trna64-Ser-GCT            CGCGAG-AGUUCGAAUCUCUCAGGCGACG 82
chr-3.trna116-Ser-GCT            CGCGAG-AGUUCGAAUCUCUCAGGCGACG 82
chr-3.trna69-Ser-GCT             CGCUAG-AGUUCGAACAUCUCAGGCGACG 82
chr-8.trna163-Ser-GCT            CGCGAG-AGUUCGAAUUUCUCAGGCGACG 81
chr-7.trna35-Ser-GCT             CGCGAGAAGUUUAAAUCUCUCAAGCGAUG 83
chr-2.trna25-Ser-GCT             ACCGAG-GGUUCGAAUCCCUCUCUUUCCG 88
chr-6.trna159-Ser-GCT            ACCGAG-GGUUCGAAUCCCUCUCUUUCCA 88
chr-7.trna39-Ser-GCT             ACCGAG-GGUUCGAAUCCCUCUCUUUUCG 88
chr-11.trna120-Ser-GCT           UUCGAG-GGUUCGAAUCCCUCUCUUUCCG 88
chr-1.trna85-Ser-GCT             ACCAAG-GGUUCGAAUCCCUCUCUUUCCG 88
chr-5.trna37-Ser-GCT             ACCGAG-GUUUCGAAUCCCUCUCUUUCCG 88
chr-8.trna134-Ser-GCT            ACCGAG-GGUUCGAAUCCCUCUCUUUCCG 88
chr-2.trna149-Ser-GCT            AUCGAG-GGUUCAAAUUCCUUUCUUUCCG 88
chr-2.trna19-Ser-GCT             ACCGAG-GGUUCGAAUCCCUCUCUUUCCA 88
chr-6.trna135-Ser-GCT            ACCGAG-GGUUCGAAUCCCUCUCUUUCCG 88
chr-1.trna26-Ser-GCT             AUCAUG-GGUUCGAAUCCUAUUUCCUCCG 88
chr-2.trna85-Ser-GCT             AUCAUG-GGUUCGAAUCCCAUUUCCUCCG 88
chr-1.trna91-Ser-GCT             AUCAUG-GGUUCGAAUCCUAUUUCCUCCG 88
chr-1.trna140-Ser-GCT            AUCAUG-UGUUCGAAUCCCAUUUCCUCCG 88
chr-9.trna45-Ser-GCT             AUCAUG-GGUUCGAAUUUCAUUUCCUCCG 88
                                 .........70........80........

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