```
                                (((.((((.((.(((...(((((((.((.....)))))))).....))).)).)))))).
chr-3.trna231-Asp-ATC   CGG-AUUGU-AGUUU-AAUUGGUC-AGAGGACCGCCCUAUCAAGGC-GGAAGCUGCGGAU 55
chr-1.trna294-Asp-ATC   GGG-AUUGU-AGUUC-AAUUGGUC-AGCACACCGCCCUAUCAAGGC-GGAAGCUGCGGGU 55
chr-6.trna91-Asp-ATC    GUU-GUCUU-AGCUC-AAAUGGU--AGAGCACAUGGUUAUCAACCA-UGUAGUUGUGGGU 54
chr-4.trna207-Asp-ATC   GUU-GUCUU-AGCUC-AACUGGU--AGAGCAUAUGGUUAUCAGCCA-UGUAGUUGUGGGU 54
chr-7.trna86-Asp-ATC    GUU-GUCUU-AGCUC-AUCUGGU--AGAGCACAUGGUUAUCAGCCA-UGUAGUUGUGGGU 54
chr-3.trna366-Asp-ATC   GCU-GUCUU-AGCUC-AACUGGU--AGAGCACAUGGUUAUCAUACA-UGUAGUUGUGGGU 54
chr-1.trna370-Asp-ATC   GCU-GUCUU-AGCUC-AAACGGA--AGAGCACAUGGUUAUCAACCA-UGUGGUUGUGGGU 54
chr-1.trna374-Asp-ATC   GCU-GUCUU-AGCUC-AAAUGGA--AGAGCACAUGGUUAUCAACCA-UGUGGAUGUGGGU 54
chr-7.trna456-Asp-ATC   GCU-AUCUU-UGCUC-AAUUGUU--AGAGCACAUGGCCAUCAGCCA-UGUAGUUGUGGGG 54
chr-1.trna388-Asp-ATC   GCG-GUCUU-AGCUC-AAAUGGU--AGAGCACAUGGUUAUCAACCA-UGUAGUUGUGGGC 54
chr-1.trna537-Asp-ATC   GUC-GUUGU-AGUAU-AG-UGGUA-AGUAUUCCCGCCUAUCACGCG-GGU-GACCCGGAU 53
chr-3.trna294-Asp-ATC   GGA-CUCGUAAGCUCAAAAUGGUAGAGCGCCCAAGCCUAUCAUGC--GGAGGUUGGUGGU 57
chr-4.trna226-Asp-ATC   AGA-CUCAUAAGCUCAAAAUGGUAGGGCGCCCAAGCCUAUCAUGC--GGAGGUUGAUGGU 57
chr-10.trna45-Asp-ATC   GGA-CUCGUAAGCUCAAAAUGGUAGAGCGUCCAAGCCUAUCAUGU--GGAGGUUGAUGGU 57
chr-4.trna140-Asp-ATC   GGA-CUCAUAAGCUCAAAAUGGUAGAGCGCCCAAGCCUAUCAUGC--GGAGGUUGAUGGU 57
chr-1.trna110-Asp-ATC   GGA-CUCACAAGCUCAAAAUGGUAGAGCG-CCAAGCCUAUCAUGU--GGAGGUUGAUGGU 56
chr-5.trna88-Asp-ATC    GGA-CUCACAAGCUCAAAAUGGUAGAGCG-CCAAGCCUAUCAUGU--GGAGGUUGAUGGU 56
chr-3.trna364-Asp-ATC   GGA-CUCAUAAGCUCAAAAUGGUAGAGCGCCCAAGCCUAUCAUUUUCGGAGGUUGAUGGU 59
chr-1.trna387-Asp-ATC   GGA-CUCAUAAGCUCAAAAUGGUAGAGCGCCCAAGACUAUCAUUGU-GGAGGUUAAUGGU 58
chr-2.trna258-Asp-ATC   GGA-CUCAUAAGCUUAAAAUGGUAGAGCGCCCAAGCCUAUCAUGC--GGAGGUUGAUGGU 57
chr-8.trna301-Asp-ATC   GGA-CUCAUAAGCUCAAAAUGGUAGAGCGCCCAAGCCUAUCAUGC--GGAGGUUGAUGGU 57
chr-5.trna457-Asp-ATC   GGA-CUCAUAAGCUCAAAAUGGUAGGGCGCCCAAGCCUAUCAUGC--GGAGGUUGAUGGU 57
chr-6.trna185-Asp-ATC   GGA-CUCAUAAACUCAAAAUGGUAGAGCGCCCAAGCCUAUCAUGU--GGAGGUUGAUGGU 57
chr-6.trna329-Asp-ATC   GGA-CUCAUAAGCUCAAAAUGGUAGAGCGCCCAAGCCUAUCAUGC--AGAGAUUGAUGGU 57
chr-7.trna145-Asp-ATC   GGA-CUCAUAAGCUCAAAAUGGUAUAGCGCCCAAGCUUAUCAUGC--GGAGGUUGAUGGU 57
chr-9.trna358-Asp-ATC   GGA-CUCAUAAGCUCAAAAUGGUAGAGCGCCCAAGCCUAUCAUGC--GGAGGUUGAUGGU 57
chr-6.trna413-Asp-ATC   GGA-CUCAUAAGCUCAAAAUGGUAGAGCGCCCAAGCCUAUCAUGC--GGAGGUUAAUGGU 57
chr-4.trna136-Asp-ATC   GGA-CUCGUAAGCUCAAAAUGGUAGAGCGCCCAAGCCUAUCAUGC--GGAGGUUAAUGGU 57
chr-2.trna363-Asp-ATC   GGA-CCCAUAAGCUCAAAAUGGUAGAGCGCCCAAGCCUAUCAUGC--UGAGGUUGAUGGU 57
chr-1.trna503-Asp-ATC   GGAAUUCAUAAGCUCAAAAUGGUAGAGCGCCCAAGCCUAUCAUGC--GGAGGUUGAUGGU 58
chr-2.trna391-Asp-ATC   GGA-CUCAUAAGCUCAAAAUGGUAGAGCGUCCAAACCUAUCAUGC--GGAGGUUGAUGGU 57
chr-1.trna202-Asp-ATC   GAG-CUCAUAAGCUCAAAAUGGUAGAGCAUCCCAGCCUAUCAUGC--GGAGGUUGAUGGU 57
chr-6.trna415-Asp-ATC   GGA-CUGAUAAGCUCAAAAUGGUAGAGUGCCCAAGUUUAUCAUUGU-GGAGGUUGAUGGU 58
chr-2.trna257-Asp-ATC   GGA-CUCAUAAGCUCAAAAUGGUUGAGCGCCC-GGCCUAUCAUGC--GGAGGUUGAUGGU 56
chr-3.trna311-Asp-ATC   GGA-CUCAUAAGCUCAAAAUGGUUGAGCGCCC-GGUCUAUCAUGC--GGAGGUUGAUGGU 56
chr-2.trna287-Asp-ATC   GGA-CUCAUAAGCUCAAAAUGGUUGAGCGCCC-GACCUAUCAUGC--GGAGGUUGAUGGU 56
                        .........10........20........30........40........50.........

                                ......)))))))))..)))..
chr-3.trna231-Asp-ATC   UCGAGCCCCGUCAGU--CCCGA 75
chr-1.trna294-Asp-ATC   UCAAGCCCCGUCAGU--CCCG- 74
chr-6.trna91-Asp-ATC    UCGACUCCCAUAAAU--AACA- 73
chr-4.trna207-Asp-ATC   UCGACUCCCGCAGAU--GACA- 73
chr-7.trna86-Asp-ATC    UCGAAUCCCACAGAU--GGCG- 73
chr-3.trna366-Asp-ATC   UCGACUCCCACAGAU--GGCA- 73
chr-1.trna370-Asp-ATC   UCGACUCCCAUAGAU--GGCA- 73
chr-1.trna374-Asp-ATC   UUGACUCCCAUAGAU--GGCA- 73
chr-7.trna456-Asp-ATC   UCGAUUCCCACAGAU--GGCA- 73
chr-1.trna388-Asp-ATC   UCGACUCCCACAUAU--AACA- 73
chr-1.trna537-Asp-ATC   UCGAUCCCUGGCAGC--GGCG- 72
chr-3.trna294-Asp-ATC   UCAAAUCCAUCUGAG--UUUU- 76
chr-4.trna226-Asp-ATC   UCAAAUCCAUUUGAG--UUUA- 76
chr-10.trna45-Asp-ATC   UCGAAUCCAUCUGAG--UUUU- 76
chr-4.trna140-Asp-ATC   UCAAAUCCAUACGAG--UUUA- 76
chr-1.trna110-Asp-ATC   UCAAAUCCAUCUGAG--UUUU- 75
chr-5.trna88-Asp-ATC    UCAAAUCCAUCUGAG--UUUU- 75
chr-3.trna364-Asp-ATC   UCAAAUCCAUUUGAGUUUCCA- 80
chr-1.trna387-Asp-ATC   UCAAAUCCAUUUGAGUUUCCA- 79
chr-2.trna258-Asp-ATC   UCAAAUCCAUUUGAGUUUCCA- 78
chr-8.trna301-Asp-ATC   UCAAAUCCAUUUGAGUUUCCA- 78
chr-5.trna457-Asp-ATC   UCAAAUCCAUCUGAGUUUCCA- 78
chr-6.trna185-Asp-ATC   UCAAAUCCAUCUGAGUUUCCA- 78
chr-6.trna329-Asp-ATC   UCAAAUCCAUUUGAGUUUCCA- 78
chr-7.trna145-Asp-ATC   UCGAAUCCAUUUGAGUUUCCA- 78
chr-9.trna358-Asp-ATC   UCAAAUCCAUUUAAGUUUCCA- 78
chr-6.trna413-Asp-ATC   UCAAAUCCAUUUGAUUUUCCA- 78
chr-4.trna136-Asp-ATC   UCAAAUCCGUUUUAGUUUCCA- 78
chr-2.trna363-Asp-ATC   UCAAAUCCAUCUGAGUUUCCA- 78
chr-1.trna503-Asp-ATC   UCAAAUCCAUUUGAGCUUCCA- 79
chr-2.trna391-Asp-ATC   UCAAAUCCAUUUGAG--UUUG- 76
chr-1.trna202-Asp-ATC   UCAAAUCCAUUUGAG--UUUC- 76
chr-6.trna415-Asp-ATC   UCAAAUCCAUCUGAG-UUUCA- 78
chr-2.trna257-Asp-ATC   UCAAAUCCAUCUAAG-UUUCA- 76
chr-3.trna311-Asp-ATC   UCAAAUCCAUCUAAG-UUUCA- 76
chr-2.trna287-Asp-ATC   UCAAAUCCAUCUAAG-UUUCA- 76
                        .........70........80.
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