```
                                 ((((....(((((.(.......).)))((.(((((((.......)))))))..)))))).
chr-1.trna20-Lys-TTT     GCCG----UCUUAGCUCAGCU-GGUAGAGCGCGUGGCUUUUAACCACGUGGUCGUGGGUU 55
chr-8.trna32-Lys-TTT     GCCG----UCUUAGCUCAGCU-GGUAGAGCGCGUGGCUUUUAACCACGUGGUCGUGGGUU 55
chr-16.trna4-Lys-TTT     GCCG----UCUUAGCUCAGCU-GGUAGAGCGCGUGGCUUUUAACCACGUGGUCGUGGGUU 55
chr-18.trna15-Lys-TTT    GCCG----UCUUAGCUCAGCU-GGUAGAGCGCGUGGCUUUUAACCACGUGGUCGUGGGUU 55
chr-19.trna39-Lys-TTT    GCCA----UCUUAGCUCAGCU-GGUAGAGCGCGUGGCUUUUAACCACGUGGUCGUGGGUU 55
chr-1.trna27-Lys-CTT     GCCC----GUCUAGCUCAGUU-GGUAGAGCGCAAGGCUCUUAACCUUGUGGUCGUGGGUU 55
chr-1.trna32-Lys-CTT     GCCC----GUCUAGCUCAGUU-GGUAGAGCGCAAGGCUCUUAACCUUGUGGUCGUGGGUU 55
chr-18.trna35-Lys-CTT    GCCC----GUCUAGCUCAGUU-GGUAGAGCGCAAGGCUCUUAACCUUGUGGUCGUGGGUU 55
chr-1.trna35-Lys-CTT     GCCC----GUCUAGCUCAGUU-GGUAGAGCGCAAGGCUCUUAACCUUGUGGUCGUGGGUU 55
chr-2.trna32-Lys-CTT     GCCC----GUCUAGCUCAGUU-GGUAGAGCGCAAGGCUCUUAACCUUGUGGUCGUGGGUU 55
chr-3.trna6-Lys-CTT      GCCC----GUCUAGCUCAGUU-GGUAGAGCGCAAGGCUCUUAACCUUGUGGUCGUGGGUU 55
chr-17.trna15-Lys-CTT    GCCC----GUCUAGCUCAGUU-GGUAGAGCGCAAGGCUCUUAACCUUGUGGUCGUGGGUU 55
chr-17.trna8-Lys-CTT     GCCC----GUCUAGCUCAGUU-GGUAGAGCGCAAGGCUCUUAACCUUGUGGUCGUGGGUU 55
chr-20.trna4-Lys-CTT     GCCC----GUCUAGCUCAGUU-GGUAGAGCGCAAGGCUCUUAACCUUGUGGUCGUGGGUU 55
chr-4.trna32-Lys-CTT     GCCC----GUCUAGCUCAGUU-GGUAGAGCGCAAGGCUCUUAACCUUGUGGUCGUGGGUU 55
chr-5.trna14-Lys-CTT     GCCC----GUCUAGCUCAGUU-GGUAGAGCGCAAGGCUCUUAACCUUGUGGUCGUGGGUU 55
chr-5.trna17-Lys-CTT     GCCC----GUCUAGCUCAGUU-GGUAGAGCGCAAGGCUCUUAACCUUGUGGUCGUGGGUU 55
chr-14.trna5-Lys-CTT     GCCC----GUCUAGCUCAGUU-GGUAGAGCGCAAGGCUCUUAACCUUGUGGUCGUGGGUU 55
chr-5.trna48-Lys-CTT     GCCC----GUCUAGCUCAGUU-GGUAGAGCGCAAGGCUCUUAACCUUGUGGUCGUGGGUU 55
chr-11.trna7-Lys-CTT     GCCC----GUCUAGCUCAGUU-GGUAGAGCGCAAGGCUCUUAACCUUGUGGUCGUGGGUU 55
chr-11.trna2-Lys-CTT     GCCC----GUCUAGCUCAGUU-GGUAGAGCGCAAGGCUCUUAACCUUGUGGUCGUGGGUU 55
chr-7.trna1-Lys-CTT      GCCC----GUCUAGCUCAGUU-GGUAGAGCGCAAGGCUCUUAACCUUGUGGUCGUGGGUU 55
chr-10.trna25-Lys-CTT    GCCC----GUCUAGCUCAGUU-GGUAGAGCGCAAGGCUCUUAACCUUGUGGUCGUGGGUU 55
chr-8.trna20-Lys-CTT     GCCC----GUCUAGCUCAGUU-GGUAGAGCGCAAGGCUCUUAACCUUGUGGUCGUGGGUU 55
chr-9.trna14-Lys-CTT     GCCC----GUCUAGCUCAGUU-GGUAGAGCGCAAGGCUCUUAACCUUGUGGUCGUGGGUU 55
chr-8.trna42-Lys-CTT     GCCC----GUCUAGCUCAGUU-GGUAGAGCGCAAGGCUCUUAACCUUGUGGUCGUGGGUU 55
chr-18.trna26-Lys-TTT    GCCG----UCUUAGCUCAG-U-GGUAGAGCGCGUGGCUUUUAACCACGUGGUCGUGGGUU 54
chr-18.trna52-Lys-TTT    GCCG----UCUUAGCUCAG-U-GGUAGAGCGCGUGGCUUUUAACCACGUGGUCGUGGGUU 54
chr-8.trna54-Lys-TTT     GCCG----UCUUAGCUCAG-U-GGUAGAGCGCGUGGCUUUUAACCACGUGGUCGUGGGUU 54
chr-8.trna63-Lys-TTT     GCCG----UCUUAGCUCAG-U-GGUAGAGCGCGUGGCUUUUAACCACGUGGUCGUGGGUU 54
chr-2.trna27-Lys-TTT     GCCG----UCUUAGCUCAG-U-GGUAGAGCGCGUGGCUUUUAACCACGUGGUCGUGGGUU 54
chr-2.trna30-Lys-TTT     GCCG----UCUUAGCUCAG-U-GGUAGAGCGCGUGGCUUUUAACCACGUGGUCGUGGGUU 54
chr-8.trna66-Lys-TTT     GCCG----UCUUAGCUCAG-U-GGUAGAGCGCGUGGCUUUUAACCACGUGGUCGUGGGUU 54
chr-3.trna33-Lys-TTT     GCCG----UCUUAGCUCAG-U-GGUAGAGCGCGUGGCUUUUAACCACGUGGUCGUGGGUU 54
chr-14.trna34-Lys-TTT    GCCG----UCUUAGCUCAG-U-GGUAGAGCGCGUGGCUUUUAACCACGUGGUCGUGGGUU 54
chr-14.trna14-Lys-TTT    GCCG----UCUUAGCUCAG-U-GGUAGAGCGCGUGGCUUUUAACCACGUGGUCGUGGGUU 54
chr-5.trna45-Lys-TTT     GCCG----UCUUAGCUCAG-U-GGUAGAGCGCGUGGCUUUUAACCACGUGGUCGUGGGUU 54
chr-5.trna37-Lys-TTT     GCCG----UCUUAGCUCAG-U-GGUAGAGCGCGUGGCUUUUAACCACGUGGUCGUGGGUU 54
chr-11.trna29-Lys-TTT    GCCG----UCUUAGCUCAG-U-GGUAGAGCGCGUGGCUUUUAACCACGUGGUCGUGGGUU 54
chr-9.trna22-Lys-TTT     GCCG----UCUUAGCUCAG-U-GGUAGAGCGCGUGGCUUUUAACCACGUGGUCGUGGGUU 54
chr-14.trna35-Lys-TTT    GCCG----CCUUAGCUCAG-A-GGAAGAGCAUGUGGCUUUUAACCACGUGGUCGUAGGUU 54
chr-8.trna33-Lys-TTT     GCUA----UCUUAGCUCAGCU-GGUAGAGCACAUGGUUUUUAACCAUGUGGUCGUGGGUU 55
chr-6.trna19-Lys-CTT     AAUAACCUGUCUAGCUCAGCU-AGUAGAGCACAAGGCUCUUAACCUUGUGGUUGUGGGUU 59
chr-17.trna42-Lys-CTT    ACCC----GUUUAGUUCAGUU-AGUAGAAUGCAAAGCUCUUAACCUUGUGGUUGUGGGUU 55
chr-2.trna57-Lys-TTT     GC--------UUAGCUUAGAG-GUUUGAGCAUCGCAUAUUUUAUGCGAUGGUCAUCGGUU 51
chr-10.trna39-Lys-CTT    GCUG----AAAUUGUUCAAUUCGUUAGAACAUGUAGCCCUUAACCACAAGGUUGGAGGUU 56
                         .........10........20........30........40........50.........

                         .....)))))))))))).
chr-1.trna20-Lys-TTT     CGAUUCCCACAGACGGCG 73
chr-8.trna32-Lys-TTT     CGAUUCCCACAGACGGCG 73
chr-16.trna4-Lys-TTT     CGAUUCCCACAGACGGCG 73
chr-18.trna15-Lys-TTT    CGAUUCCCACAGACGGCG 73
chr-19.trna39-Lys-TTT    CGAUUCCCACAGAUGGCG 73
chr-1.trna27-Lys-CTT     CGAGCCCCACGGUGGGCG 73
chr-1.trna32-Lys-CTT     CGAGCCCCACGGUGGGCG 73
chr-18.trna35-Lys-CTT    CGAGCCCCACGGUGGGCG 73
chr-1.trna35-Lys-CTT     CGAGCCCCACGGUGGGCG 73
chr-2.trna32-Lys-CTT     CGAGCCCCACGGUGGGCG 73
chr-3.trna6-Lys-CTT      CGAGCCCCACGGUGGGCG 73
chr-17.trna15-Lys-CTT    CGAGCCCCACGGUGGGCG 73
chr-17.trna8-Lys-CTT     CGAGCCCCACGGUGGGCG 73
chr-20.trna4-Lys-CTT     CGAGCCCCACGGUGGGCG 73
chr-4.trna32-Lys-CTT     CGAGCCCCACGGUGGGCG 73
chr-5.trna14-Lys-CTT     CGAGCCCCACGGUGGGCG 73
chr-5.trna17-Lys-CTT     CGAGCCCCACGGUGGGCG 73
chr-14.trna5-Lys-CTT     CGAGCCCCACGGUGGGCG 73
chr-5.trna48-Lys-CTT     CGAGCCCCACGGUGGGCG 73
chr-11.trna7-Lys-CTT     CGAGCCCCACGGUGGGCG 73
chr-11.trna2-Lys-CTT     CGAGCCCCACGGUGGGCG 73
chr-7.trna1-Lys-CTT      CGAGCCCCACGGUGGGCG 73
chr-10.trna25-Lys-CTT    CGAGCCCCACGGUGGGCG 73
chr-8.trna20-Lys-CTT     CGAGCCCCACGGUGGGCG 73
chr-9.trna14-Lys-CTT     CGAGCCCCACGGUGGGCG 73
chr-8.trna42-Lys-CTT     CGAGCCCCACGGUGGGCG 73
chr-18.trna26-Lys-TTT    CGAUCCCCACAGACGGCG 72
chr-18.trna52-Lys-TTT    CGAUCCCCACAGACGGCG 72
chr-8.trna54-Lys-TTT     CGAUCCCCACAGACGGCG 72
chr-8.trna63-Lys-TTT     CGAUCCCCACAGACGGCG 72
chr-2.trna27-Lys-TTT     CGAUCCCCACAGACGGCG 72
chr-2.trna30-Lys-TTT     CGAUCCCCACAGACGGCG 72
chr-8.trna66-Lys-TTT     CGAUCCCCACAGACGGCG 72
chr-3.trna33-Lys-TTT     CGAUCCCCACAGACGGCG 72
chr-14.trna34-Lys-TTT    CGAUCCCCACAGACGGCG 72
chr-14.trna14-Lys-TTT    CGAUCCCCACAGACGGCG 72
chr-5.trna45-Lys-TTT     CGAUCCCCACAGACGGCG 72
chr-5.trna37-Lys-TTT     CGAUCCCCACAGACGGCG 72
chr-11.trna29-Lys-TTT    CGAUCCCCACAGACGGCG 72
chr-9.trna22-Lys-TTT     CGAUCCCCACAGUCGGCG 72
chr-14.trna35-Lys-TTT    CGAUCCCCACAGGCGGCA 72
chr-8.trna33-Lys-TTT     CAAUUUCCA--GACAGCG 71
chr-6.trna19-Lys-CTT     UGAGCCCCACGUAUAUUG 77
chr-17.trna42-Lys-CTT    AGAGUCCCAUGGCGGAUU 73
chr-2.trna57-Lys-TTT     UGAAUCCGAUAAUCGACU 69
chr-10.trna39-Lys-CTT    UAAGUCCUCCUUCUAGUG 74
                         .........70.......
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