```
                                 (((((((.....((((.............)))).(((((.......)))))).........
chr-1.trna50-Asn-GTT             -UUUCUAACCUAGCGCUUGCCUCAGUGGUAGAGUGGUCAGCUGUUAACUGAUUGGUC--- 56
chr-6.trna62-Asn-GTT             UUUUCUAACCUAGCGCUUGCCUCAGUGGUAGAGUGGUCAGCUGUUAACUGAUUGGUC--- 57
chr-6.trna132-Asn-GTT            UCCUUAG---UAUCUCAGU-----GG--UAGAGUAGUUGGUUGUUAACCGAUUGGUC--- 47
chr-10.trna77-Asn-GTT            UCCUCAG---UAGCUUAGU-----GG--UAGAGCGGUCGGCUGUUAACCGAUUGGUC--- 47
chr-3.trna104-Asn-GTT            UCCUCAG---UAGCUCAGU-----GG--UAGAGCGGUCGGCUGUUAACCGAUUGGUC--- 47
chr-6.trna96-Asn-GTT             UCCUCAG---UAGCUCAGU-----GG--UAGAGUAGUCGGCUGUUAACUGAUUGGUC--- 47
chr-5.trna65-Asn-GTT             UCCUCAG---UAGCUCAGU-----GG--UAGAGCGGUCGGCUGUUAACCGAUUGGUC--- 47
chr-11.trna34-Asn-GTT            UCCUCAG---UAGUUUAGU-----GG--UAGAGCGGUCGGCUGUUAAUCGAUUGGUC--- 47
chr-12.trna41-Asn-GTT            UCCUCAG---UAGCUCAGC-----GG--UAGAGCAGUCGACUGUUAAUUGAUUGGUC--- 47
chr-1.trna125-Asn-GTT            UCCUCAG---UAGCUCAGU-----GG--UAGAGCAGUCAGUUGUUAACCGAUUGGUC--- 47
chr-4.trna61-Asn-GTT             UCCUCAG---UAGCUCAGU-----GG--UAAAGCGGUCGGUUGUUAACCGAUUGGUC--- 47
chr-1.trna80-Asn-GTT             UCCUCAG---UAGCUCAGU-----GG--UAGAGCGGCCGGCUGUUAACCAAUUGGUC--- 47
chr-8.trna83-Asn-GTT             UCCUCAG---UAGCUCAGU-----GG--UAGAGCGGCCGGCUGUUAACCGAUUGGUC--- 47
chr-10.trna17-Asn-GTT            UCCUUAG---UAGCUCAGU-----GG--UAGAGCGGUCAGCUGUUAACCGAUUGGUC--- 47
chr-8.trna57-Asn-GTT             UCCUCAG---UAGCUCAGU-----GG--UAGAGCGGUCGGCUGUUAACUAAUUGGUC--- 47
chr-2.trna1-Asn-GTT              UCCUCAG---UAGCUUAGU-----GG--UAGAGCGGUCGGCUGUUAACCGAUUGGUA--- 47
chr-3.trna111-Asn-GTT            UCCUCAG---UAGCUCAGC-----GG--UAGAACGGUCAGCUGUUAACCGAUUGGUC--- 47
chr-11.trna4-Asn-GTT             UCCUCAG---UAGCUUAGU-----GG--UAGAGCGGUCGACUGUUAACCGAUUGGAC--- 47
chr-11.trna6-Asn-GTT             UCCUCAG---UAUCUCAGU-----GG--UAGAGCGGUCGACUGUUAACUGAUUGGAC--- 47
chr-3.trna45-Asn-GTT             UCCUUAG---UAGCUCAGU-----CG--UAGAGAGGUCAGUUGUUAACCGAUUAGUC--- 47
chr-8.trna73-Asn-GTT             UUCUCAA---UAGCUCAGU-----GA--UAGAGCGGACGAUUGUUAAUCGAUUGGUC--- 47
chr-3.trna63-Asn-GTT             GCUGGAG---UAGCUCAGU-----UGGUUAGAGCGUGUGGCUGUUAACCACAAGGUC--- 49
chr-3.trna89-Asn-GTT             GCUGGAA---UAGCUCAGU-----UGGUUAGAGCGUAUGGCUGUUAACCAUAAGGUC--- 49
chr-2.trna10-Asn-GTT             GCUGGAA---UAGCUCAGU-----UGGUUAGAGCGUGUGGCUGUUAACCACAAGGUC--- 49
chr-2.trna51-Asn-GTT             GCUGGAA---UAGCUCAGU-----UGGUUAGAGCGUGUGGCUGUUAACCACAAGGUC--- 49
chr-2.trna65-Asn-GTT             GCUGGAA---UAGCUCAGU-----UGGUUAGAGCGUGUGGCUGUUAACCACAAGGUC--- 49
chr-2.trna92-Asn-GTT             GCUGGAA---UAGCUCAGU-----UGGUUAGAGCGUGUGGCUGUUAACCACAAGGUC--- 49
chr-6.trna41-Asn-GTT             GCUGGAA---UAGCUCAGU-----UGGUUAGAGCGUGUGGCUGUUAACCACAAGGUC--- 49
chr-11.trna93-Asn-GTT            GCUGGAA---UAGCUCAGU-----UGGUUAGAGCGUGUGGCUGUUAACCACAAGGUC--- 49
chr-6.trna118-Asn-GTT            GCUGGAA---UAGCUCAGU-----UGGUUAGAGCGUGUGGCUGUUAACCACAAGGUC--- 49
chr-11.trna13-Asn-GTT            GCUGGAA---UAGCUCAGU-----UGGUUAGAGCGUGUGGCUGUUAACCACAAGGUC--- 49
chr-11.trna14-Asn-GTT            GCUGGAA---UAGCUCAGU-----UGGUUAGAGCGUGUGGCUGUUAACCACAAGGUC--- 49
chr-11.trna17-Asn-GTT            GCUGGAA---UAGCUCAGU-----UGGUUAGAGCGUGUGGCUGUUAACCACAAGGUC--- 49
chr-12.trna7-Asn-GTT             GCUGGAA---UAGCUCAGU-----UGGUUAGAGCGUGUGGCUGUUAACCACAAGGUC--- 49
chr-12.trna122-Asn-GTT           GGUUUCG---UGGUGUAGU-----UGGUUAUCACGUCAGUGUGUUACACUGAAGGUC--- 49
chr-3.trna5-Asn-GTT              UCAGU------AGCUCAGU-----AGUAUAGAGUGGUCGGUUGUUAAUCGAUUGGUU--- 46
chr-8.trna68-Asn-GTT             GCUGGAG---UAGCUCAGU-----UGGUUAGAGCGUGUGGCUGUUAACCACAAGGGUUAA 52
chr-7.trna122-Asn-GTT            AUCAUUG---UAGUAUAGU------GGUGAUUAUUCCUACCUGUUACGUGGGUGAC---- 47
chr-3.trna23-Asn-GTT             GGCAUUG---UAGUAUAGU------GGUGAGUAUUCCCGCCUGUUACGCGGGUAAC---- 47
chr-2.trna100-Asn-GTT            GGAGAGA---UGGUUGAGU-----GGACUAAAGCGGCGGAUUGUUAAUCCGUUGUACGAG 52
                                 .........10........20........30........40........50.........
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                                 .(((((........)))))........)))))))...
chr-1.trna50-Asn-GTT             -GUAGG-UUCAAAUCCUAC----U--UGGGGA---U 81
chr-6.trna62-Asn-GTT             -GUAGG-UUCGAAUCCUAC----U--UGGGGAA--A 83
chr-6.trna132-Asn-GTT            -GUAGG-UUCAAAUCCUAC-------UUGGGGA--G 72
chr-10.trna77-Asn-GTT            -GUAGG-UUUGAAUCCUAC-------UUGGGGA--G 72
chr-3.trna104-Asn-GTT            -AUAGG-UUCGAAUCCUAC-------UUGGGGA--G 72
chr-6.trna96-Asn-GTT             -AUAGG-UUUGAAUCCUAC-------UUGGGGA--G 72
chr-5.trna65-Asn-GTT             -GUAGG-UUCGAAUUCUAC-------UUGGGGA--G 72
chr-11.trna34-Asn-GTT            -AUAGG-UUCAAAUUCUAC-------UUGGGGA--G 72
chr-12.trna41-Asn-GTT            -AUAGU-UUUGAAUCCUAC-------AUGGGGA--G 72
chr-1.trna125-Asn-GTT            -GUAGG-UUUGAAUCCUAC-------UUGGGGA--G 72
chr-4.trna61-Asn-GTT             -AUAGG-UUCGAAUCCUAC-------UUGGGGA--G 72
chr-1.trna80-Asn-GTT             -GUAGG-UUCAAAUCCUAC-------UUGGGGA--G 72
chr-8.trna83-Asn-GTT             -GUAGG-UUCAAAUCCUAC-------UUGGGGA--G 72
chr-10.trna17-Asn-GTT            -GUAGG-UUCAAAUCCUAC-------UUAGGGA--G 72
chr-8.trna57-Asn-GTT             -GUAGG-UUCAAAUCCUAC-------UUGGGGA--G 72
chr-2.trna1-Asn-GTT              -GUAGG-UUCGAAUCCUAC-------UUGGGGG--G 72
chr-3.trna111-Asn-GTT            -GUAGG-UUUGAAUCCUAC-------UUAGGGA--G 72
chr-11.trna4-Asn-GTT             -GUAGG-UUCGAAUCCUAC-------UUGGGGA--G 72
chr-11.trna6-Asn-GTT             -GUAGG-UUCGAAUCCUAC-------UUGGGGA--U 72
chr-3.trna45-Asn-GTT             -GUAGG-UUCGAAUCCUAC-------UUAGAGA--G 72
chr-8.trna73-Asn-GTT             -AUAAU-UUGGAAUCCUAC-------UUGAGGA--G 72
chr-3.trna63-Asn-GTT             -GAAGG-UUCAACCCCUUC-------CUCUAGC--G 74
chr-3.trna89-Asn-GTT             -GGAGG-UUCAACCCCUCC-------UUCUAGC--G 74
chr-2.trna10-Asn-GTT             -GGAGG-UUCAAGCCCUCC-------UUCUAGC--G 74
chr-2.trna51-Asn-GTT             -GGAGG-UUCAAGCCCUCC-------UUCUAGC--G 74
chr-2.trna65-Asn-GTT             -GGAGG-UUCAAGCCCUCC-------UUCUAGC--G 74
chr-2.trna92-Asn-GTT             -GGAGG-UUCAAGCCCUCC-------UUCUAGC--G 74
chr-6.trna41-Asn-GTT             -GGAGG-UUCAAGCCCUCC-------UUCUAGC--G 74
chr-11.trna93-Asn-GTT            -GGAGG-UUCAAGCCCUCC-------UUCUAGC--G 74
chr-6.trna118-Asn-GTT            -GGAGG-UUCAAGCCCUCC-------UUCUAGC--G 74
chr-11.trna13-Asn-GTT            -GGAGG-UUCAAGCCCUCC-------UUCUAGC--G 74
chr-11.trna14-Asn-GTT            -GGAGG-UUCAAGCCCUCC-------UUCUAGC--G 74
chr-11.trna17-Asn-GTT            -GGAGG-UUCGACCCCUCC-------UUCUAGC--G 74
chr-12.trna7-Asn-GTT             -GUAGG-UUCAAGCCCUCC-------UUCUAGC--G 74
chr-12.trna122-Asn-GTT           -UCCGG-UUCAAAUCCGGG-------CGAAGCC--A 74
chr-3.trna5-Asn-GTT              -GUAGG-UUCGAAUCCUAU----C--CAGCACA--A 72
chr-8.trna68-Asn-GTT             GAGAAU-UAUAAUUAUUUU----C--UUUUA-C--U 78
chr-7.trna122-Asn-GTT            -CCGGG-UUCGAUCUCCGG----CAACGGCG----- 72
chr-3.trna23-Asn-GTT             -CCUGG-UUUGAUCCUCGG----CAACAAUGCU--A 75
chr-2.trna100-Asn-GTT            UUAAUCAUACCGACGGUUCGAAUCCCUCUCUUUUUG 88
                                 .........70........80........90.....
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