```
                          ..(((((((.................(((((((((.......))))))).)))))))...
chr-11.trna231-Pro-TGG    --GGACGUUUGGUCUAGU---GGUA-GAUUCUCGCUUUGGGUGUGAGG--UCCCGAGUUC 52
chr-9.trna48-Pro-TGG      --GGGCGUUUGGUCUAGU---GGUAUGAUUCUCGCUUUGGGUGCGAGAGGUCCCGAGUUC 55
chr-6.trna207-Pro-TGG     --GGGUGUUUGGUCUAGU---GGUAUGAUUCUUGCUUUGGGUGCGAGAGGUCCCGAGUUC 55
chr-6.trna11-Pro-TGG      --GGGCAUUUGGUCUAGU---GGUAUGAUUCUCGCUUUGGGUGCGAGAGGUCCCGAGUUC 55
chr-8.trna118-Pro-TGG     --GGGCAUUUGGUCUAGU---GGUAUGAUUCUCGCUUUGGGUGCGAGAGGUCCCGAGUUC 55
chr-8.trna125-Pro-TGG     --GGGCAUUUGGUCUAGU---GGUAUGAUUCUCGCUUUGGGUGCGAGAGGUCCCGAGUUC 55
chr-8.trna129-Pro-TGG     --GGGCAUUUGGUCUAGU---GGUAUGAUUCUCGCUUUGGGUGCGAGAGGUCCCGAGUUC 55
chr-6.trna246-Pro-TGG     --GGGCAUUUGGUCUAGU---GGUAUGAUUCUCGCUUUGGGUGCGAGAGGUCCCGAGUUC 55
chr-9.trna136-Pro-TGG     --GGGUGUUUGGUCUAGU---GGUAUGAUUCUCGCUUUGGGUGCGAGAGGUCGUGAGUUU 55
chr-6.trna203-Pro-TGG     --GGGCGUUUGGUCUAGU---GGUAUGAUUCUCGCUUUGGGUGCGAGAGGUCCCGAGUUU 55
chr-9.trna137-Pro-TGG     --GGGUGUUUGGUCUAGU---GGUAUGAUUCUCGCUUUGGGUGCGAGAGGUCGUGAGUUU 55
chr-8.trna132-Pro-TGG     --GGGCAUUUGGUCUAGU---UGUAUGACUCUCGCUUUGGGUGCGAGAGGUCCCGAGUUC 55
chr-15.trna139-Pro-TGG    --GGGCGUUUGGUCUAGU---GGUAUGAUUCUCGCUUUGGGUGCGAGAGGUCCCGAGUUC 55
chr-2.trna63-Pro-TGG      --GGGCGUUUGGUCUAGU---GGUAUGAUUCUCGCUUUGGGUGCGAGAGGUCCCGAGUUC 55
chr-2.trna106-Pro-TGG     --GGGCGUUUGGUCUAGU---GGUAUGAUUCUCGCUUUGGGUGCGAGAGGUCCCGAGUUC 55
chr-15.trna142-Pro-TGG    --GGGCGUUUGGUCUAGU---GGUAUGAUUCUCGCUUUGGGUGCGAGAGGUCCCGAGUUC 55
chr-3.trna10-Pro-TGG      --GGGCGUUUGGUCUAGU---GGUAUGAUUCUCGCUUUGGGUGCGAGAGGUCCCGAGUUC 55
chr-5.trna20-Pro-TGG      --GGGCGUUUGGUCUAGU---GGUAUGAUUCUCGCUUUGGGUGCGAGAGGUCCCGAGUUC 55
chr-14.trna145-Pro-TGG    --GGGCGUUUGGUCUAGU---GGUAUGAUUCUCGCUUUGGGUGCGAGAGGUCCCGAGUUC 55
chr-6.trna204-Pro-TGG     --GGGCGUUUGGUCUAGU---GGUAUGAUUCUCGCUUUGGGUGCGAGAGGUCCCGAGUUC 55
chr-6.trna208-Pro-TGG     --GGGCGUUUGGUCUAGU---GGUAUGAUUCUCGCUUUGGGUGCGAGAGGUCCCGAGUUC 55
chr-8.trna247-Pro-TGG     --GGGCGUUUGGUCUAGU---GGUAUGAUUCUCGCUUUGGGUGCGAGAGGUCCCGAGUUC 55
chr-11.trna232-Pro-TGG    --GGGCGUUUGGUCUAGU---GGUAUGAUUCUCGCUUUGGGUGCGAGAGGUCCCGAGUUC 55
chr-9.trna28-Pro-TGG      --GGGCGUUUGGUCUAGU---GGUAUGAUUCUCGCUUUGGGUGCGAGAGGUCCCGAGUUC 55
chr-9.trna47-Pro-TGG      --GGGCGUUUGGUCUAGU---GGUAUGAUUCUCGCUUUGGGUGCGAGAGGUCCCGAGUUC 55
chr-11.trna190-Pro-TGG    --GGGCGUUUGGUCUAGU---GGUAUGAUUCUCGCUUUGGGUGCGAGAGGUCCCGAGUUC 55
chr-11.trna189-Pro-TGG    --GGGCGUUUGGUCUAGU---GGUAUGAUUCUCGCUUUGGGUGCGAGAGGUCCCGAGUUC 55
chr-9.trna102-Pro-TGG     --GGGCGUUUGGUCUAGU---GGUAUGAUUCUCGCUUUGGGUGCGAGAGGUCCCGAGUUC 55
chr-1.trna60-Pro-TGG      --GGGCAUUUGGUCUAGU---GGUAUGAUUCUCGCUUUGGGUGCGAGAGGUCCCGAGUUC 55
chr-1.trna102-Pro-TGG     --GGGCAUUUGGUCUAGU---GGUAUGAUUCUCGCUUUGGGUGCGAGAGGUCCCGAGUUC 55
chr-5.trna19-Pro-TGG      --GGGCGUUUGGUCUAGU---GGUAUGAUUCUUGCUUUGGGUGCAAGAGGUCCCGAGUUC 55
chr-14.trna37-Pro-TGG     --GGGCAUUUGGUCUAGU---GGUAUGAUUCUCGCUUUGGGUGCGAGAGGUCCCGAGUUC 55
chr-5.trna86-Pro-TGG      --GGGCAUUUGGUCUAGU---GGUAUGAUUCUCGCUUUGGGUGCGAGAGGUCCCGAGUUC 55
chr-6.trna206-Pro-TGG     --GGGCGUUUGGUCUAGU---GGUAUGAUUCUUGCUUUGGGUGCAAGAGGUCCCGAGUUC 55
chr-6.trna209-Pro-TGG     --GGGCGUUUGGUCUAGU---GGUAUGAUUCUUGCUUUGGGUGCAAGAGGUCCCGAGUUC 55
chr-11.trna209-Pro-TGG    --GGGCAUUUGGUCUAGU---GGUAUGAUUCUCGCUUUGGGUGCGAGAGGUCCCGAGUUC 55
chr-9.trna49-Pro-TGG      --GGGCGUUUGGUCUAGU---GGUAUGAUUCUUGCUUUGGGUGCAAGAGGUCCCGAGUUC 55
chr-2.trna62-Pro-TGG      --GGGCGUUUGGUCUAGU---GGUAUGAUUCUCGCUUUGGGUGCGAGAGGUCCCGAGUUC 55
chr-1.trna59-Pro-TGG      --GGGCAUUUGGUCUAGU---GGUAUGAUUCUUGCUUUGGGUGCGAGAGGUCCCGAGUUC 55
chr-5.trna21-Pro-TGG      --GGGCGUUUGGUCUAGU---GGUAUGAUUCUUGCUUUGGGUGCAAGAGGUCCCGAGUUC 55
chr-11.trna137-Pro-TGG    --GGGCGUUUGGUCUAGU---GGUAUGAUUCUCGCUUUGGGUGCGAGAGGUCUCGAGUUC 55
chr-3.trna133-Pro-TGG     --GGGCGUUUGGUCUAGU---GGUAUGAUUCUCGCUUUGGGUGCGAGAGGUCCCGAGUUU 55
chr-9.trna144-Pro-TGG     --GGGCGUUUGGUCUAGU---GGUAUGAUUCUCGCUUUGGGUGCGAGAGAUCCCGAGUUU 55
chr-9.trna35-Pro-TGG      --GGGCGUUUGGUCUAGU---GGUAUGAUUCUCGCUUUGGGUGCGAGAGGUCCCGAGUUC 55
chr-5.trna81-Pro-TGG      --UGGCGUUUGGUCUAGU---GGUAUGAUUCUCGCUUUGGGUGCGAGAGGUCCCGAGUUC 55
chr-6.trna251-Pro-TGG     --GGGCAUUUGGGCUAGU---GGUAUGAUUCUCGCUUUGGGUGCGAGAGGUCCCGAGUUC 55
chr-11.trna166-Pro-TGG    --GGGUGUUUGGUAUAGU---GGUAUGAUCCUCGCUUUGGGUGCGAGAGGUCGUGAGUUC 55
chr-11.trna155-Pro-TGG    --GAGUGUUUGGUCUAGU---GGUAUGAUUCUCGCUUUGGGUGCGAGAGGUCGUGAGUUC 55
chr-3.trna134-Pro-TGG     --GGGCGUUUGGUCUAGU---GGUAUGAUUCUCGCUUUGGGUGCGAGAGGUCCCGAGUUU 55
chr-8.trna127-Pro-TGG     --GGGGAUUUGGUCUAGU---GGUAUGAUUCUCGCUUUGGGUGCGAGAGGUCUCGAGUUU 55
chr-8.trna131-Pro-TGG     --GGGCAUUUGGUCUAGU---GGUACGAUUCUCGCUUUGGGUGCGAGAGGUCUCUAGUUC 55
chr-9.trna138-Pro-TGG     --GGGUUUUUGGUCUAGU---GGUAUGAUUCUUGCUUUGGGUGCGAGAGGUCGUGAGGUC 55
chr-13.trna63-Pro-TGG     --GGGCUUUUUGUCUAGU---GGUAUGAUUCUCGCUUUGGGUGCGAGAGGUCCUGAGUUU 55
chr-5.trna90-Pro-TGG      --GGGCUUUUUGUCUAGU---GGUAUGAUUCUCGCUUUGGGUGCGAGAGGUCCCGAGUUU 55
chr-4.trna1-Pro-TGG       --GGGCGUUUGGUCUAGU---GGUUUGAUUCUCGCUUUGGGUGCGAGUGGUCCCGAGUUC 55
chr-11.trna154-Pro-TGG    --GGGUGUUUGGUCUAGU---GGUAUGAUUCUCGCUUUGGGUGCGAGAGGUCGUUAGUUC 55
chr-9.trna134-Pro-TGG     --GGAUGUUUAGUCUAGU---GGUAUAAUUCUCGCUUUGGGUGCGAGAGGUCGUGAGUUU 55
chr-4.trna246-Pro-TGG     --GGGCGUAUGGUCUAGU---GGUAUGAUUCUUGCUUUGGCUGCAAGAGGUCCUGAUUUC 55
chr-11.trna119-Pro-TGG    --GGGUGUUUGGUCUAGU---GGUAUGAUUCUUGCUUUGGGUGCAGG---UCGUGAGUUC 52
chr-14.trna199-Pro-TGG    --GGGCGUUUGGUUUAGU---GGUAUGACUUUUUCUUUGGGUGCGAGAGGUCCCGAGUUC 55
chr-2.trna208-Pro-TGG     --GGGCGUUUGGUCUAGU---GGUAUGA---UCGCUUUGGGUGCGAGAGGUCCCGAGUUC 52
chr-11.trna114-Pro-TGG    --CGAGGUGUAGCGCAAUCUGGUCAGCGCAUCUGUUUUGGAUACAGAGAGCCAUAGGUUC 58
chr-1.trna40-Pro-TGG      --CGAGGUGUAGCGCAGUCUGGUCAGCGCAUCUGUUUUGGGUACAGAGGGCCAUAGGUUC 58
chr-5.trna51-Pro-TGG      --CGAGGUGUAGCGUAGUCUGGUCAGCGCAUCUGUUUUGGGUACAGAGGGCCAUAGGUUC 58
chr-13.trna114-Pro-TGG    GACGAGGUGUAGCGCAGUCUGGUCAGCGCAUCUGUUUUGGGUACAGAGGGCCAUAGGUUC 60
                          .........10........20........30........40........50.........
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                          ....))))))))))))).
chr-11.trna231-Pro-TGG    GAUUCUCGGAACGCCCC 69
chr-9.trna48-Pro-TGG      GAUUCUCAGAAUGCCCC 72
chr-6.trna207-Pro-TGG     GAUUCCCGGAACGCCCC 72
chr-6.trna11-Pro-TGG      AAUUCUCGGAAUGCCCC 72
chr-8.trna118-Pro-TGG     AAUUCUCGGAAUGCCCC 72
chr-8.trna125-Pro-TGG     AAUUCUCGGAAUGCCCC 72
chr-8.trna129-Pro-TGG     AAUUCUCGGAAUGCCCC 72
chr-6.trna246-Pro-TGG     AAUUCUUGGAAUGCCCC 72
chr-9.trna136-Pro-TGG     AAUUCUCACAACACCCC 72
chr-6.trna203-Pro-TGG     AAUUCUCGGAACGCCCC 72
chr-9.trna137-Pro-TGG     AAUUCUCACAACACCCC 72
chr-8.trna132-Pro-TGG     AAUUCUCGGAAUGCCCC 72
chr-15.trna139-Pro-TGG    GAUUCUUGGAACGCCCC 72
chr-2.trna63-Pro-TGG      GAUUCUCGGAACGCCCC 72
chr-2.trna106-Pro-TGG     GAUUCUCGGAACGCCCC 72
chr-15.trna142-Pro-TGG    GAUUCUCGGAACGCCCC 72
chr-3.trna10-Pro-TGG      GAUUCUCGGAACGCCCC 72
chr-5.trna20-Pro-TGG      GAUUCUCGGAACGCCCC 72
chr-14.trna145-Pro-TGG    GAUUCUCGGAACGCCCC 72
chr-6.trna204-Pro-TGG     GAUUCUCGGAACGCCCC 72
chr-6.trna208-Pro-TGG     GAUUCUCGGAACGCCCC 72
chr-8.trna247-Pro-TGG     GAUUCUCGGAACGCCCC 72
chr-11.trna232-Pro-TGG    GAUUCUCGGAACGCCCC 72
chr-9.trna28-Pro-TGG      GAUUCUCGGAACGCCCC 72
chr-9.trna47-Pro-TGG      GAUUCUCGGAACGCCCC 72
chr-11.trna190-Pro-TGG    GAUUCUCGGAACGCCCC 72
chr-11.trna189-Pro-TGG    GAUUCUCGGAACGCCCC 72
chr-9.trna102-Pro-TGG     GAUUCUCGGAACGCCCC 72
chr-1.trna60-Pro-TGG      GAUUCUCGGAAUGCCCC 72
chr-1.trna102-Pro-TGG     GAUUCUCGGAAUGCCCC 72
chr-5.trna19-Pro-TGG      GAUUCUCGGAACGCCCC 72
chr-14.trna37-Pro-TGG     GAUUCUCGGAAUGCCCC 72
chr-5.trna86-Pro-TGG      GAUUCUCGGAAUGCCCC 72
chr-6.trna206-Pro-TGG     GAUUCUCGGAACGCCCC 72
chr-6.trna209-Pro-TGG     GAUUCUCGGAACGCCCC 72
chr-11.trna209-Pro-TGG    GAUUCUCGGAAUGCCCC 72
chr-9.trna49-Pro-TGG      GAUUCUCGGAACGCCCC 72
chr-2.trna62-Pro-TGG      GAUUCUCGGAAUGCCCC 72
chr-1.trna59-Pro-TGG      GAUUCUCGGAAUGCCCC 72
chr-5.trna21-Pro-TGG      GAUUCUCGAAACGCCCC 72
chr-11.trna137-Pro-TGG    GAUUCUCGGAACGCCCC 72
chr-3.trna133-Pro-TGG     GAUUCUCGGAACGCCCC 72
chr-9.trna144-Pro-TGG     GAUUCUCGGAACGCCCC 72
chr-9.trna35-Pro-TGG      GGUUCUCGGAACGCCCC 72
chr-5.trna81-Pro-TGG      GAUUCUCGGAACGCCCC 72
chr-6.trna251-Pro-TGG     AAUUCUCGGAAUGCCCC 72
chr-11.trna166-Pro-TGG    AAUUCUCACAACACCCC 72
chr-11.trna155-Pro-TGG    AAUUCUCACAACACCCC 72
chr-3.trna134-Pro-TGG     GAUUCUGGGAAUGCCCC 72
chr-8.trna127-Pro-TGG     AAUUCUCGGAAUGCCCC 72
chr-8.trna131-Pro-TGG     AAUUCUCGGAAUGCCCC 72
chr-9.trna138-Pro-TGG     AAUUCUCACAACACCCC 72
chr-13.trna63-Pro-TGG     GAUUCUCGGAACGCCCC 72
chr-5.trna90-Pro-TGG      GAUUCUCGGAACGCCCC 72
chr-4.trna1-Pro-TGG       GAUUCGCGGAACGCCCC 72
chr-11.trna154-Pro-TGG    AAUUCUCACAACACCCC 72
chr-9.trna134-Pro-TGG     AAUUCUCACAACACCCC 72
chr-4.trna246-Pro-TGG     GAUUCUCGGAACACCCC 72
chr-11.trna119-Pro-TGG    GAUUCUCACAACACCCC 69
chr-14.trna199-Pro-TGG    AAUUGUCGGAAUGCCCC 72
chr-2.trna208-Pro-TGG     GGUUCUCGGAACGCCCC 69
chr-11.trna114-Pro-TGG    AAAUCCUGUCACCUUGA 75
chr-1.trna40-Pro-TGG      GAAUCCUGUCACCUUGA 75
chr-5.trna51-Pro-TGG      GAAUCCUGUCACCUUGA 75
chr-13.trna114-Pro-TGG    GAAUCCUGUCCCCGCCU 77
                          .........70......
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