```
                                                  (((((((..((((.........).....))).(((((.......)))))).....(((((
chr-12.trna6-Asn-GTT    UCCUCAAUAGCUUAGUGGUAAAGACGUAAAAUGGUCAACUGUUAAUUGACUGGUCGUAGG 60
chr-10.trna21-Asn-GTT   UCCUUAGUAGCUCAAUGGUACAGUGGU-CAGCCGUUAACUGAUUGGUUGUAGCUUGUAGG 59
chr-1.trna20-Asn-GTT    UCCUCAGUAGCUCAGUGG--UAG------AGCGGUCGGCUGUUAACUGACUGGUCGUAGG 52
chr-1.trna55-Asn-GTT    UCCUCAGUAGCUCAGUGG--UAG------AGCGGUCGGCUGUUAACUGACUGGUCGUAGG 52
chr-1.trna57-Asn-GTT    UCCUCAGUAGCUCAGUGG--UAG------AGCGGUCGGCUGUUAACUGACUGGUCGUAGG 52
chr-3.trna39-Asn-GTT    UCCUCAGUAGCUCAGUGG--UAG------AGCGGUCGGCUGUUAACUGACUGGUCGUAGG 52
chr-10.trna1-Asn-GTT    UCCUCAGUAGCUUAGUGG--UAG------AGCGGUCAGUUGUUAAUUGAUUGGUUGUAGG 52
chr-6.trna8-Asn-GTT     UCCUCAGUAGCUCAGUGG--UAG------AGCGGUCGGCUGUUAACUGACUGGUCAUAGG 52
chr-12.trna56-Asn-GTT   UCCUCAAUAACUCAGUGG--UAG------AGCGGUCGGCUGUUAAUUGACUUGUUGUAGG 52
chr-12.trna59-Asn-GTT   UCCUCAGUAGCUCAGUGG--UAG------AGCGGUCGACUGUUAACUGAAAGGUUGUAGG 52
chr-7.trna53-Asn-GTT    UCCUCGGUAGUUUAGUGG--CAG------AGCAGUCGGCUGUUAACAGACCGGUCGUAGG 52
chr-6.trna54-Asn-GTT    GCUGGAAUAGCUCAGUUGGCUAG------AGCGUGUGGCUGUUAACCACAAGGUCGGAGG 54
chr-9.trna11-Asn-GTT    GCUGGAAUAGCUCAGUUGGCUAG------AGCGUGUGGCUGUUAACCACAAGGUCGGAGG 54
chr-10.trna46-Asn-GTT   GCUGGAAUAGCUCAGUUGGCUAG------AGCGUGUGGCUGUUAACCACAAGGUCGGAGG 54
chr-3.trna23-Asn-GTT    GCUGGAGUAGCUCAGUUGGUUAG------AGCGUGUGGCUGUUAACCACAAGGUCGAAGG 54
chr-5.trna5-Asn-GTT     GCUGGAGUAGCUCAGUUGGUUAG------AGCGUGUGGCUGUUAACCACAAGGUCGAAGG 54
chr-11.trna23-Asn-GTT   GCUGGAGUAGCUCAGUUGGUUAG------AGCGUGUGGCUGUUAACCACAAGGUCGAAGG 54
chr-3.trna14-Asn-GTT    GCUGGAAUAGCUCAGUUGGUUAG------AGCGUGUGGCUGUUAACCACAAGGUCGGAGG 54
chr-4.trna49-Asn-GTT    GCUGGAAUAGCUCAGUUGGUUAG------AGCGUGUGGCUGUUAACCACAAGGUCGGAGG 54
chr-12.trna16-Asn-GTT   GCUGGAAUAGCUCAGUUGGUUAG------AGCGUGUGGCUGUUAACCACAAGGUCGGAGG 54
chr-5.trna30-Asn-GTT    GCUGGAAUAGCUCAGUUGGUUAG------AGCGUGUGGCUGUUAACCACAAGGUCGGAGG 54
chr-5.trna31-Asn-GTT    GCUGGAAUAGCUCAGUUGGUUAG------AGCGUGUGGCUGUUAACCACAAGGUCGGAGG 54
chr-5.trna45-Asn-GTT    GCUGGAAUAGCUCAGUUGGUUAG------AGCGUGUGGCUGUUAACCACAAGGUCGGAGG 54
chr-5.trna46-Asn-GTT    GCUGGAAUAGCUCAGUUGGUUAG------AGCGUGUGGCUGUUAACCACAAGGUCGGAGG 54
chr-5.trna47-Asn-GTT    GCUGGAAUAGCUCAGUUGGUUAG------AGCGUGUGGCUGUUAACCACAAGGUCGGAGG 54
chr-8.trna62-Asn-GTT    GCUGGAAUAGCUCAGUUGGUUAG------AGCGUGUGGCUGUUAACCACAAGGUCGGAGG 54
chr-6.trna23-Asn-GTT    GCUGGAAUAGCUCAGUUGGUUAG------AGCGUGUGGCUGUUAACCACAAGGUCGGAGG 54
chr-7.trna42-Asn-GTT    GCUGGAAUAGCUCAGUUGGUUAG------AGCGUGUGGCUGUUAACCACAAGGUCGGAGG 54
chr-7.trna41-Asn-GTT    GCUGGAAUAGCUCAGUUGGUUAG------AGCGUGUGGCUGUUAACCACAAGGUCGGAGG 54
chr-7.trna9-Asn-GTT     GCUGGAAUAGCUCAGUUGGUUAG------AGCGUGUGGCUGUUAACCACAAGGUCGGAGG 54
chr-1.trna4-Asn-GTT     GCUGGAAUAGCUCAGUUGGUUAG------AGCGUGUGGCUGUUAACCACAAGGUCGGAGG 54
chr-10.trna5-Asn-GTT    GCUGGAGUAGCUCAGUUGGUUAG------AGCGUGUGGCUGUUAACCACAAGGUCGGAGG 54
chr-2.trna59-Asn-GTT    AUGGUUAAAACUCAAUUGGUUAG------AGUGUGUGGCUGUUAACCACGAGGUCAGAGG 54
chr-4.trna43-Asn-GTT    ----G---CUCUUAGAGC-UUAG------AGCAUGUGGCUGUUAACCACAAUGUUGAAGG 46
chr-3.trna1-Asn-GTT     UUUUG---CUCUUAGAGC-UUAG------AGCAUGUGGCUGUUAACCACAACGUCGAAGG 50
                        .........10........20........30........40........50.........

                        .......)))))))))))).
chr-12.trna6-Asn-GTT    UUCGAAUCUUAUUUGGGAAG 80
chr-10.trna21-Asn-GTT   UUUGAAUCCUACUUGGGGAG 79
chr-1.trna20-Asn-GTT    UUCAAAUCCUACUUGGGGAG 72
chr-1.trna55-Asn-GTT    UUCAAAUCCUACUUGGGGAG 72
chr-1.trna57-Asn-GTT    UUCAAAUCCUACUUGGGGAG 72
chr-3.trna39-Asn-GTT    UUCAAAUCCUACUUGGGGAG 72
chr-10.trna1-Asn-GTT    UUCAAAUCCUACUUGAGGAG 72
chr-6.trna8-Asn-GTT     UUCAAAUCCUACUUAGGGAG 72
chr-12.trna56-Asn-GTT   UUCAAAUCCUACUUGGGGAG 72
chr-12.trna59-Asn-GTT   UUCAAAUCCUACUUGGGGGG 72
chr-7.trna53-Asn-GTT    UUCAAAUCCUACUUGGGGAG 72
chr-6.trna54-Asn-GTT    UUCAAGCCCUCCUUCUAGCG 74
chr-9.trna11-Asn-GTT    UUCAAGCCCUCCUUCUAGCG 74
chr-10.trna46-Asn-GTT   UUCAAGCCCUCCUUCUAGCU 74
chr-3.trna23-Asn-GTT    UUCAAGCCCUUCCUCUAGCG 74
chr-5.trna5-Asn-GTT     UUCAAGCCCUUCCUCUAGCG 74
chr-11.trna23-Asn-GTT   UUCAAGCCCUUCCUCUAGCG 74
chr-3.trna14-Asn-GTT    UUCAAGCCCUCCUUCUAGCG 74
chr-4.trna49-Asn-GTT    UUCAAGCCCUCCUUCUAGCG 74
chr-12.trna16-Asn-GTT   UUCAAGCCCUCCUUCUAGCG 74
chr-5.trna30-Asn-GTT    UUCAAGCCCUCCUUCUAGCG 74
chr-5.trna31-Asn-GTT    UUCAAGCCCUCCUUCUAGCG 74
chr-5.trna45-Asn-GTT    UUCAAGCCCUCCUUCUAGCG 74
chr-5.trna46-Asn-GTT    UUCAAGCCCUCCUUCUAGCG 74
chr-5.trna47-Asn-GTT    UUCAAGCCCUCCUUCUAGCG 74
chr-8.trna62-Asn-GTT    UUCAAGCCCUCCUUCUAGCG 74
chr-6.trna23-Asn-GTT    UUCAAGCCCUCCUUCUAGCG 74
chr-7.trna42-Asn-GTT    UUCAAGCCCUCCUUCUAGCG 74
chr-7.trna41-Asn-GTT    UUCAAGCCCUCCUUCUAGCG 74
chr-7.trna9-Asn-GTT     UUCAAGCCCUCCUUCUAGCG 74
chr-1.trna4-Asn-GTT     UUCAAGCCCUCCUUCUAGCG 74
chr-10.trna5-Asn-GTT    UUCAAGCCCUCCUUCUAGCG 74
chr-2.trna59-Asn-GTT    UUCAAGCCCUCCUUCCAAUG 74
chr-4.trna43-Asn-GTT    UUCAAGCCCUUCCUUUAGCG 66
chr-3.trna1-Asn-GTT     UUCAAGCCCUUCCUAAAAAA 70
                        .........70.........
```