```
                                (((((((..((((.........)))).(((((.......)))))).....(((((.......
chr-2.trna78-Asn-GTT    UCCUCAGUCGCUCAGU--GGUGGAGCGGUCGGUUGUUAACUAACUGGUCGUAGGUUCAAA 58
chr-12.trna43-Asn-GTT   UCCUCAGAAGCUCAGU--GGUAGAGCAGUCGGCUGUUAACUGACUGACUGUAGGUUCGAA 58
chr-2.trna67-Asn-GTT    UCCUCAGUAGCUCAGU--GGUAAAGCAGCCAGCUGUUAACUGACUGGUUGUAGGUUCGAA 58
chr-11.trna62-Asn-ATT   UCCUCAGUAGCUUAAU--GGUAGAGCGGUCGGCUAUUAACUGACUGGUCGUAGGUUCGAA 58
chr-11.trna42-Asn-GTT   UCCUUAGUAGCUCAGU--GGUAGAGCAGUCGACUGUUAAUUGACUGGUCGUAGGUUCGAA 58
chr-12.trna61-Asn-GTT   UCCUCAGUAGCUCAAU--GGUAGAGCAGUCGGCUGUUUACUGACUGGUCGUAGGUUCGAA 58
chr-10.trna46-Asn-GTT   UCCUCAGUAGCUCAGU--GGUAGAGCAGUCGGCUGUUUACUGACUGGUCGUAGGUUCGAA 58
chr-8.trna35-Asn-GTT    UCCUCAGUAGCUUAGU--GGUAGAGCAGUCGGCUGUUAACUGACUGGUCGUAGGUUCGAA 58
chr-1.trna46-Asn-ATT    UCCUCAGUAGCUUAGU--GGUAGAGCGGUCGGCUAUUAACCGACUGGUCAUAGGUUUGAA 58
chr-11.trna50-Asn-ATT   UCCUCAGUAACUUAGU--GGUAGAGCAGUCAGCUAUUAACUGACUAGUCAUAGGUUUGAA 58
chr-4.trna19-Asn-GTT    UCCUCAGUAGCUCAGU--GGUAGAGCGGUCGGCUGUUAACUGACUGGUCGUAGGUUCGAA 58
chr-6.trna55-Asn-ATT    UCUUCAGUAGCUCAGU--GGUAAAGCGGUCGGCUAUUUACUGACUGGUUGUAGAUUUGAA 58
chr-5.trna50-Asn-GTT    UCCUUAGUAGCUUAGU--GGUAGAGCGGUCGGCUGUUAACUGACUGGUCGUAGGUUCAAA 58
chr-6.trna29-Asn-GTT    UCCUCAGUAGCUCAGU--GGUAGAGCGGUCGGCUGUUAACUGACUGGUCGUAGGUUCAAA 58
chr-2.trna31-Asn-GTT    UCCUCAAUAGCUUAAU--GGUAGAGCGGUCAGCUGUUAACUGACUGGUCAUAGGUUCGAA 58
chr-7.trna5-Asn-ATT     UCCUUAGUAGCUCAAU--GGCAGAGUGGUCAACUAUUAGCUGACUGGUCGUAGGUUCAAA 58
chr-1.trna22-Asn-GTT    UCCUUAGUUGCUCAGU--GGUAAAGCAGUCGGCUGUUAACUGACUGGUCGUAGGUUCGAA 58
chr-8.trna8-Asn-GTT     UCCUCAGUAGCUCAGU--GGUAAAGCAGUCGGCUGUUAACUGACUGGUCGUAGGUUCGAA 58
chr-8.trna9-Asn-GTT     UCCUCAGUAGCUCAGU--GGUAAAGCAGUCGGCUGUUAACUGACUGGUCGUAGGUUCGAA 58
chr-11.trna20-Asn-GTT   UCCUCAGUAGCUCAGU--GAUAGAGCGGUCGACUGUUAAUUGACUGGUCAUAGGUUCGAA 58
chr-6.trna77-Asn-GTT    UCCUCAGUAGCUUAGU--GGUAGAGCGGUCGGUUGUUAACUGAUUGGUCAUAGGUCCGAA 58
chr-8.trna27-Asn-GTT    UCCUCAGUAGCUCAGU--GGUAGAGCGGUCGGUUGUUACCUGACUGGUCAUAGGUUCAAA 58
chr-6.trna83-Asn-GTT    UCCUCAGUAGCUCAAU--GGUAGAGCAGUCGGCUGUUAACUGACUAAUCAUAGAUUCGAA 58
chr-3.trna23-Asn-GTT    UCCUUAGCAGCUUAGU--GGUAGACAGGUCAGCUGUUAAUUGACUAGUCAUAGGUUCGAA 58
chr-11.trna34-Asn-GTT   UCCUCAGUAGCUUAGU--GGUAGAGCAGUUGGCUGUUAACUAACUGAUAUGGGGUUCAAA 58
chr-5.trna40-Asn-GTT    UCCUCAAUAGCUCAAU--GGUAGAGUGGUCGACUGUUAACUGAGUGGUCGUAGGUUUGAA 58
chr-10.trna22-Asn-GTT   UCCUCAAUAGCUCAAU--GGUAGAGUGGUCGACUGUUAACUGAGUGGUCGUAGGUUUGAA 58
chr-3.trna9-Asn-ATT     UCCUCAGUAGCUCAGU--GGUAGAGUGGUUGGCUAUUAACUGACUGGUUGUAGGUUCGAA 58
chr-2.trna4-Asn-GTT     UCCUCAGUAGCUCAAU--AGUAAAGCAGUUGGUUGUUAACUGAUUGGUCGUAGGUUCGAA 58
chr-1.trna10-Asn-GTT    GCUGGAAUAGCUCAGUUGGUUAGAGCGUGUGGCUGUUAACCACAAGGUCGGAGGUUCAAG 60
chr-1.trna62-Asn-GTT    GCUGGAAUAGCUCAGUUGGUUAGAGCGUGUGGCUGUUAACCACAAGGUCGGAGGUUCAAG 60
chr-4.trna34-Asn-GTT    GCUGGAAUAGCUCAGUUGGUUAGAGCGUGUGGCUGUUAACCACAAGGUCGGAGGUUCAAG 60
chr-4.trna42-Asn-GTT    GCUGGAAUAGCUCAGUUGGUUAGAGCGUGUGGCUGUUAACCACAAGGUCGGAGGUUCAAG 60
chr-4.trna50-Asn-GTT    GCUGGAAUAGCUCAGUUGGUUAGAGCGUGUGGCUGUUAACCACAAGGUCGGAGGUUCAAG 60
chr-4.trna51-Asn-GTT    GCUGGAAUAGCUCAGUUGGUUAGAGCGUGUGGCUGUUAACCACAAGGUCGGAGGUUCAAG 60
chr-7.trna23-Asn-GTT    GCUGGAAUAGCUCAGUUGGUUAGAGCGUGUGGCUGUUAACCACAAGGUCGGAGGUUCAAG 60
chr-8.trna86-Asn-GTT    GCUGGAAUAGCUCAGUUGGUUAGAGCGUGUGGCUGUUAACCACAAGGUCGGAGGUUCAAG 60
chr-9.trna45-Asn-GTT    GCUGGAAUAGCUCAGUUGGUUAGAGCGUGUGGCUGUUAACCACAAGGUCGGAGGUUCAAG 60
chr-10.trna51-Asn-GTT   GCUGGAAUAGCUCAGUUGGUUAGAGCGUGUGGCUGUUAACCACAAGGUCGGAGGUUCAAG 60
chr-10.trna50-Asn-GTT   GCUGGAAUAGCUCAGUUGGUUAGAGCGUGUGGCUGUUAACCACAAGGUCGGAGGUUCAAG 60
chr-9.trna46-Asn-GTT    GCUGGAAUAGCUCAGUUGGUUAGAGCGUGUGGCUGUUAACCACAAGGUCGGAGGUUCAAG 60
chr-10.trna8-Asn-GTT    GCUGGAAUAGCUCAGUUGGUUAGAGCGUGUGGCUGUUAACCACAAGGUCGGAGGUUCAAG 60
                        .........10........20........30........40........50.........

                        .)))))))))))).
chr-2.trna78-Asn-GTT    UCCUACUUGGGGAG 72
chr-12.trna43-Asn-GTT   UCCUACUUGGGGAG 72
chr-2.trna67-Asn-GTT    UCCUACUUAGGGAG 72
chr-11.trna62-Asn-ATT   UCCUACUUAGGGAG 72
chr-11.trna42-Asn-GTT   UCCUACUUGGGAAG 72
chr-12.trna61-Asn-GTT   UCCUACUUAGGGAG 72
chr-10.trna46-Asn-GTT   UCCUACUUAGGGAG 72
chr-8.trna35-Asn-GTT    UCCUACUUAGGGAC 72
chr-1.trna46-Asn-ATT    UCCUACUUGGGGAG 72
chr-11.trna50-Asn-ATT   UCCUACUUGGGGAG 72
chr-4.trna19-Asn-GTT    UACUAUUUGGGGAG 72
chr-6.trna55-Asn-ATT    AACUACUUGGGGAG 72
chr-5.trna50-Asn-GTT    UCCUACUUGGGGAG 72
chr-6.trna29-Asn-GTT    UCCUACUUGGGGAG 72
chr-2.trna31-Asn-GTT    UCCUACUUGGGGAG 72
chr-7.trna5-Asn-ATT     UCCUACUUAAGGAG 72
chr-1.trna22-Asn-GTT    UCCUACUUGGGGAG 72
chr-8.trna8-Asn-GTT     CCCUACUUGGGGAG 72
chr-8.trna9-Asn-GTT     CCCUACUUGGGGAG 72
chr-11.trna20-Asn-GTT   UCCUACCUAAGGAG 72
chr-6.trna77-Asn-GTT    UCUUACUUGAGGAG 72
chr-8.trna27-Asn-GTT    UCCUACUUGGGGAG 72
chr-6.trna83-Asn-GTT    UCCUACUUGGAGAG 72
chr-3.trna23-Asn-GTT    UCCUACUUAGGGAG 72
chr-11.trna34-Asn-GTT   UCCUACUUGGGGAG 72
chr-5.trna40-Asn-GTT    UUCUACUUGGGGAG 72
chr-10.trna22-Asn-GTT   UUCUACUUGGGGAG 72
chr-3.trna9-Asn-ATT     UCCUAAUUGGGAAG 72
chr-2.trna4-Asn-GTT     UCCUACUUGGAAAA 72
chr-1.trna10-Asn-GTT    CCCUCCUUCUAGCG 74
chr-1.trna62-Asn-GTT    CCCUCCUUCUAGCG 74
chr-4.trna34-Asn-GTT    CCCUCCUUCUAGCG 74
chr-4.trna42-Asn-GTT    CCCUCCUUCUAGCG 74
chr-4.trna50-Asn-GTT    CCCUCCUUCUAGCG 74
chr-4.trna51-Asn-GTT    CCCUCCUUCUAGCG 74
chr-7.trna23-Asn-GTT    CCCUCCUUCUAGCG 74
chr-8.trna86-Asn-GTT    CCCUCCUUCUAGCG 74
chr-9.trna45-Asn-GTT    CCCUCCUUCUAGCG 74
chr-10.trna51-Asn-GTT   CCCUCCUUCUAGCG 74
chr-10.trna50-Asn-GTT   CCCUCCUUCUAGCG 74
chr-9.trna46-Asn-GTT    CCCUCCUUCUAGCG 74
chr-10.trna8-Asn-GTT    CCCUCCUUCUAGCG 74
                        .........70...
```