```
                                 ((((((((((((.....))))))(((.(((((.......)))))).).)))))).....
chr-4.trna112-Asn-GTT    GCUGGAAUAGCUCAGUUGGUUAGAGCGUGUGGCUGUUAACCACAAGGUCGGAGGUUCAA- 59
chr-2.trna80-Asn-GTT     GCUGGAAUAGCUCAGUUGGUUAGAGCGUGUGGCUGUUAACCACAAGGUCGGAGGAUCAA- 59
chr-2.trna42-Asn-GTT     GCUGGAAUAGCUCAGUUGGUUGGAGCGUGUGGCUGUUAACCACAAGGUCGGAGGUUCAA- 59
chr-2.trna91-Asn-GTT     GCUGGAAUAGCUCAGUUGGUUAGAGCGUGUGGCUGUUAACCACAAGGUCGGAGGUUCAA- 59
chr-2.trna94-Asn-GTT     GCUGGAAUAGCUCAGUUGGUUAGAGCGUGUGGCUGUUAACCACAAGGUCGGAGGUUCAA- 59
chr-3.trna136-Asn-GTT    GCUGGAAUAGCUCAGUUGGUUAGAGCGUGUGGCUGUUAACCACAAGGUCGGAGGUUCAA- 59
chr-5.trna68-Asn-GTT     GCUGGAAUAGCUCAGUUGGUUAGAGCGUGUGGCUGUUAACCACAAGGUCGGAGGUUCAA- 59
chr-1.trna96-Asn-GTT     GCUGGAAUAGCUCAGUUGGUUAGAGCGUGUGGCUGUUAACCACAAGGUCGGAGGUUCAA- 59
chr-7.trna7-Asn-GTT      GCUGGAAUAGCUCAGUUGGUUAGAGCGUGUGGCUGUUAACCACAAGGUCGGAGGUUCAA- 59
chr-10.trna17-Asn-GTT    GCUGGAAUAGCUCAGUUGGUUAGAGCGUGUGGCUGUUAACCACAAGGUCGGAGGUUCAA- 59
chr-8.trna133-Asn-GTT    GCUGGAAUAGCUCAGUUGGUUAGAGCGUGUGGCUGUUAACCACAAGGUCGGAGGUUCAA- 59
chr-7.trna88-Asn-GTT     GCUGGAAUAGCUCAGUUGGUUAGAGCGUGUGGCUGUUAACCACAAGGUCGGAGGUUCAA- 59
chr-8.trna74-Asn-GTT     GCUGGAAUAGCUCAGUUGGUUAGAGCGUGUGGCUGUUAACCACAAGGUCGGAGGUUCAA- 59
chr-8.trna73-Asn-GTT     GCUGGAAUAGCUCAGUUGGUUAGAGCGUGUGGCUGUUAACCACAAGGUCGGAGGUUCAA- 59
chr-8.trna59-Asn-GTT     GCUGGAAUAGCUCAGUUGGUUAGAGCGUGUGGCUGUUAACCACAAGGUCGGAGGUUCAA- 59
chr-1.trna118-Asn-GTT    GCUGGAAUAGCUCAGUUGGUUAGAGCGUGUGGCUGUUAACCACAAGGUCGGAGGUUCAA- 59
chr-3.trna126-Asn-GTT    GCUGGAAUAGCUCAGUUGGUUAGAGCGUGUGGCUGUUAACCACAAGGUCGGAGGUUCAA- 59
chr-3.trna128-Asn-GTT    GCUGGAAUAGCUCAGUUGGUUAGAGCGUGUGGCUGUUAACCACAAGGUCGGAGGUUUAA- 59
chr-11.trna4-Asn-GTT     GCUGGAAUAGCUCAGUUGGUUAGAGCGUGUGGCUGUUAACCACAAGGUCGGAGGUUCAA- 59
chr-5.trna34-Asn-GTT     GCUGGAAUAGCUCAGUUGGUUAGAGCGUGUGGCUGUUAACCACAAGGUCGGAGGUUCAA- 59
chr-8.trna17-Asn-GTT     GCUGGAAUAGCUCAGUUGGUUAGAGCGUGUGGCUGUUAACCACAAGGUCGGAGGUUCAA- 59
chr-7.trna18-Asn-GTT     GUUGGAAUAGCUCAGUUGGUUAGAGCGUGUGGCUGUUAACCACAAGGUCGGAGGUUCAA- 59
chr-4.trna109-Asn-GTT    GCUGGAAUAGCUCAGUUGGUUAGAGCGUGUGGCUGUUAACCAUAAGGUCGGAGGUUCAA- 59
chr-7.trna70-Asn-GTT     GCUGGAAUAGCUCAGUUGGUUAGAGCGUGUGGCUGUUAACCACAAGGUGGAAGGUUCAA- 59
chr-6.trna78-Asn-GTT     GCUGGAAUAGCUCAGUUGGUUAGAGCGUGUGGCUGUUAACCACAAGGUCGGAGGUUCGA- 59
chr-10.trna136-Asn-GTT   GCUGGAAUAGCUCAGUUGGUUAGAGCGUGUGGCUGUUAACCACAAGGUCGGAGGUUCGA- 59
chr-8.trna64-Asn-ATT     GCUAGAAUAGCUCAGUUGGUUAGAGCGUGUGGCUAUUAACCACAAGGUCGAAGGUUCAA- 59
chr-4.trna110-Asn-GTT    GCUGGAAUAGGUCAGUUGGUUAGAGCGUGUGGCUGUUAACCACAAGGUCGGAGGUUCAA- 59
chr-4.trna111-Asn-GTT    GCUGGAAUAGGUCAGUUGGUUAGAGCGUGUGGCUGUUAACCACAAGGUCGGAGGUUCAA- 59
chr-2.trna93-Asn-GTT     GCUGGAAUAGCUCAGUUGGUUAGAGCAUGUGGCUGUUAACCACAAGGUCGGAGGUUCAA- 59
chr-10.trna18-Asn-GTT    GCUGGAAUAGCUCAGUUGGUUAGAGCAUGUGGCUGUUAACCACAAGGUCGGAGGUUCAA- 59
chr-4.trna108-Asn-GTT    GCUGGAAUAGCUCAGUUGGUUAGAGCGUGUGGCUGUUAACCAAAAGGUUGGAGGUUCAA- 59
chr-2.trna97-Asn-GTT     GCUGGAAUAGCUCAGUUGGUUAGAGCGUGUGGCUGUUAAUCACAAGGUCGGAGGUUCAAG 60
chr-5.trna69-Asn-GTT     GCUGGAAUAGCUCAGUUGGUUAGAGCGUGUGGCUGUUAACCACAAGGUCGGAGGCUCA-- 58
chr-2.trna95-Asn-GTT     GCUGGAAUAGCUCAGUUGGUUAGAGCGUGUGGUUGUUAACCACAAGGUCGGAGGUUCAA- 59
chr-6.trna9-Asn-GTT      UCCUCAGUAGCUCAGU--GGUAGAGCGGUCGGCUGUUAAUUGACUGGUCGUAGGUUCGA- 57
chr-10.trna144-Asn-GTT   UCCUCAGUAGCUCAGU--GGUAGAGCGGUCGGCUGUUAACUGACUGGUCGUAGGUUCAA- 57
chr-11.trna23-Asn-GTT    UCCUCAGUAGCUCAGU--GGUAGAGCGGUCGGCUGUUAAUUGACUGGUCGUAGGUUCGA- 57
chr-8.trna98-Asn-ATT     GUUGUUGUAG-UAUGGUGGCAAGUAUUCCUGCUUAUUACGCGGG-UGACCUGGGUUCGA- 57
                         .........10........20........30........40........50.........
                         ..))))))))))).
chr-4.trna112-Asn-GTT    GCCCUCUUUCUAGCG 74
chr-2.trna80-Asn-GTT     GCCCUCCUUCUAGCG 74
chr-2.trna42-Asn-GTT     GCCCUCCUUCUAGCG 74
chr-2.trna91-Asn-GTT     GCCCUCCUUCUAGCG 74
chr-2.trna94-Asn-GTT     GCCCUCCUUCUAGCG 74
chr-3.trna136-Asn-GTT    GCCCUCCUUCUAGCG 74
chr-5.trna68-Asn-GTT     GCCCUCCUUCUAGCG 74
chr-1.trna96-Asn-GTT     GCCCUCCUUCUAGCG 74
chr-7.trna7-Asn-GTT      GCCCUCCUUCUAGCG 74
chr-10.trna17-Asn-GTT    GCCCUCCUUCUAGCG 74
chr-8.trna133-Asn-GTT    GCCCUCCUUCUAGCG 74
chr-7.trna88-Asn-GTT     GCCCUCCUUCUAGCG 74
chr-8.trna74-Asn-GTT     GCCCUCCUUCUAGCG 74
chr-8.trna73-Asn-GTT     GCCCUCCUUCUAGCG 74
chr-8.trna59-Asn-GTT     GCCCUCCUUCUAGCG 74
chr-1.trna118-Asn-GTT    GCCCUUCUUCUAGCG 74
chr-3.trna126-Asn-GTT    GUCCUCCUUCUAGCG 74
chr-3.trna128-Asn-GTT    GCCCUCCUUCUAGCG 74
chr-11.trna4-Asn-GTT     ACCCUCCUUCUAGCG 74
chr-5.trna34-Asn-GTT     ACCCUCCUUCUAGCG 74
chr-8.trna17-Asn-GTT     ACCCUCCUUCUAGCG 74
chr-7.trna18-Asn-GTT     ACCCUCCUUCUAGCG 74
chr-4.trna109-Asn-GTT    GCCUUCCUUCUAGCG 74
chr-7.trna70-Asn-GTT     GCCCUUCUUCUAGCG 74
chr-6.trna78-Asn-GTT     ACCCUCCUUCUAGCG 74
chr-10.trna136-Asn-GTT   ACCCUCCUUCUAGCG 74
chr-8.trna64-Asn-ATT     ACCCUUCUUCUAGCG 74
chr-4.trna110-Asn-GTT    GCCCUCCUUCUAGUG 74
chr-4.trna111-Asn-GTT    GCCCUCCUUCUAGUG 74
chr-2.trna93-Asn-GTT     GCCCUCCUUCUAGCG 74
chr-10.trna18-Asn-GTT    GCCCUCCUUCUAGCG 74
chr-4.trna108-Asn-GTT    GCCCUUUUUCUAGCG 74
chr-2.trna97-Asn-GTT     GCCCUCCUUCUAGCG 75
chr-5.trna69-Asn-GTT     GCCCUCCUUCUAGCG 73
chr-2.trna95-Asn-GTT     GUCCUCCUUCUAGCG 74
chr-6.trna9-Asn-GTT      AUCCUACUUGGGGAG 72
chr-10.trna144-Asn-GTT   AUCCUACUUGGGGAG 72
chr-11.trna23-Asn-GTT    AUCCUACUUGGGGAG 72
chr-8.trna98-Asn-ATT     UCAUCGGCAACGGCG 72
                         .........70....
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