```
                                 ((((((((((((.....))))))(((.(((((.......)))))).)....)))))))).
chr-10.trna86-Ile-AAT    GGCCUAUUAGCUCAGCUGGUUAGAGCGUUGUGCUAAUAACGCGAAG---GUCGCAGGUUU 57
chr-7.trna12-Ile-AAT     GGCCUAUUAGCUCAGCUGGUUAGAGCGUCGUGCUAAUAACGCGAAG---GUCGCAGGUUC 57
chr-8.trna5-Ile-AAT      GGCCUAUUAGCUCAGCUGGUUAGAGCGUCGUGCUAAUAACGCGAAG---GUCGCAGGUUC 57
chr-10.trna60-Ile-AAT    GGCCUAUUAGCUCAGCUGGUUAGAGCGUCGUGCUAAUAACGCGAAG---GUCGCAGGUUC 57
chr-10.trna97-Ile-AAT    GGCCUAUUAGCUCAGCUGGUUAGAGUGUCGUGCUAAUAACGCGAAG---GUCGCAGGUUC 57
chr-10.trna96-Ile-AAT    GGCCUAUUAGCUCAGCUGGUUAGAGUGUCGUGCUAAUAACGCGAAG---GUCGCAGGUUC 57
chr-4.trna75-Ile-AAT     GGCCUAUUAGCUCAGUUGGUUAGAGCGUCGUGCUAAUAACGCGAAG---GUCGCAGGUUC 57
chr-1.trna42-Ile-AAT     GGCCUAUUAGCUCAGUUGGUUAGAGCGUCGUGCUAAUAACGCGAAG---GUCGCAGGUUC 57
chr-3.trna46-Ile-AAT     GGCCUAUUAGCUCAGUUGGUUAGAGCGUCGUGCUAAUAACGCGAAG---GUCGCAGGUUC 57
chr-10.trna42-Ile-AAT    GGCCUAUUAGCUCAGUUGGUUAGAGCGUCGUGCUAAUAACGCGAAG---GUCGCAGGUUC 57
chr-12.trna30-Ile-AAT    GGCCUAUUAGCUCAGUUGGUUAGAGCGUCGUGCUAAUAACGCGAAG---GUCGCAGGUUC 57
chr-6.trna26-Ile-AAT     GGCCCAUUAGCUCAGUUGGUUAGAGCGUGGUGCUAAUAACGCCAAG---GUCGCAGGUUC 57
chr-13.trna120-Ile-AAT   GGCCUAUUAGCUCAGUUGGUUAGAGCGUCGUGCUAAUAACGCGAAG---GUCGCAGGUUC 57
chr-9.trna3-Ile-AAT      GGCCUAUUAGCUCAGUUGGUUAGAGCGUCGUGCUAAUAACGCGAAG---GUCGCAGGUUC 57
chr-11.trna3-Ile-AAT     GGCCUAUUAGCUCAGUUGGUUAGAGCGUCGUGCUAAUAACGCGAAG---GUCGCAGGUUC 57
chr-9.trna93-Ile-AAT     GGCCUAUUAGCUCAGUUGGUUAGAGCGUCGUGCUAAUAACGCGAAG---GUCGCAGGUUC 57
chr-9.trna95-Ile-AAT     GGCCUAUUAGCUCAGUUGGUUAGAGCGUCGUGCUAAUAACGCGAAG---GUCGCAGGUUC 57
chr-10.trna62-Ile-AAT    GGCCUAUUAGCUCAGUUGUUUAGAGCGUCGUGCUAAUAACGCGAAG---GUCGCAGGUUC 57
chr-9.trna94-Ile-AAT     GGCCUAUUAGCUCAGCUGGUUAGAGCGUCGUCCUAAUAACGCGAAG---GUCGCAGGUUC 57
chr-1.trna5-Ile-AAT      GGCCUAUUAGCUCAGCUGGUUAGAGCGUCGUGCUAAUAACGCGAAG---GUCGCAGGUUC 57
chr-10.trna61-Ile-AAT    GGCCCAUUAGCUCAGUUGGUUAGAGCGUGGUGCUAAUAACGCGAAG---GUCGCAGGUUC 57
chr-10.trna95-Ile-AAT    GGUCUAUUAACUCAGCUGGUUAGAGCGUCGUGCUAAUAACGCGAAG---GUAGCAGGUUC 57
chr-13.trna3-Ile-TAT     GGUCCCGUAGCUCAGUUGGUUAGAGCGUUGGUCUUAUGAGCCGAAG---GUCGCGGGUUC 57
chr-2.trna18-Ile-TAT     GGUCCCGUAGCUCAGUUGGUUAGAGCGUUGGUCUUAUGAGCCGAAG---GUCGCGGGUUC 57
chr-7.trna6-Ile-TAT      GGUCCCGUAGCUCAGUUGGUUAGAGCGUUGGUCUUAUGAGCCGAAG---GUCGCGGGUUC 57
chr-7.trna7-Ile-TAT      GGUCCCGUAGCUCAGUUGGUUAGAGCGUUGGUCUUAUGAGCCGAAG---GUCGCGGGUUC 57
chr-9.trna41-Ile-TAT     GGUCCCGUAGCUCAGUUGGUUAGAGCGUUGGUCUUAUGAGCCGAAG---GUCGCGGGUUC 57
chr-3.trna27-Ile-TAT     GGUCCCGUAGCUCAGUUGGUUAGAGCGUUGGUCUUAUGAGCCGAAG---GUCGCGAGUUC 57
chr-13.trna67-Ile-TAT    GGUCCCGUAGCUCAGUCGGUUAGAGCGUUGGUCUUAUGAGCCGAAG---GUCGCGAGUUC 57
chr-13.trna2-Ile-TAT     GGUCUCAUAGCUCAGUUGGUUAGAGUGUUGGUCUUAUGAGCCGAAG---GUCGCGGGUUC 57
chr-5.trna43-Ile-AAT     AGCCUAUUAGCUCAGUUGGUUAGAGCAUUGUGCUAAUAACGCGAAG---GUCGCAGGUUC 57
chr-9.trna52-Ile-AAT     GGCCUAUUAGCUUAGUUGGUUAGAGUUUCGUGCUAAUAAUGUGAAU---GUCGUAGGCUU 57
chr-7.trna55-Ile-AAT     GUGAGGAUAGCUCAGUUAG-GAGAGCGUCAAAUUAAUGAUCUAAUG---GUCACAUGUUU 56
chr-2.trna2-Ile-TAT      AUCC--AUAGCUGA-UUGGUUAAAGCGUUCAACUUAUAAUUGAAAUAAAUUCGUAGGUUU 57
                         .........10........20........30........40........50.........

                         ..)))))).)))))))).
chr-10.trna86-Ile-AAT    GAGACCUG-CAUGGGCCA 74
chr-7.trna12-Ile-AAT     GAGACCUG-CAUGGGCCA 74
chr-8.trna5-Ile-AAT      GAGACCUG-CAUGGGCCA 74
chr-10.trna60-Ile-AAT    GAGACCUG-CAUGGGCCA 74
chr-10.trna97-Ile-AAT    GAGACCUG-CAUGGGCCA 74
chr-10.trna96-Ile-AAT    GAGACCUG-CAUGGGCCA 74
chr-4.trna75-Ile-AAT     AAGACCUG-CAUGGGCCA 74
chr-1.trna42-Ile-AAT     GAGACCUG-CAUGGGCCA 74
chr-3.trna46-Ile-AAT     GAGACCUG-CAUGGGCCA 74
chr-10.trna42-Ile-AAT    GAGACCUG-CAUGGGCCA 74
chr-12.trna30-Ile-AAT    GAGACCUG-CAUGGGCCA 74
chr-6.trna26-Ile-AAT     GAGACCUG-CAUGGGCCA 74
chr-13.trna120-Ile-AAT   GAAACCUG-CAUGGGCCA 74
chr-9.trna3-Ile-AAT      GAAACCUG-CAUGGGCCA 74
chr-11.trna3-Ile-AAT     GAAACCUG-CAUGGGCCA 74
chr-9.trna93-Ile-AAT     GAAACCUG-CAUGGGCCA 74
chr-9.trna95-Ile-AAT     GAAACCUG-CAUGGGCCA 74
chr-10.trna62-Ile-AAT    GAGACCUG-CAUGGGCCA 74
chr-9.trna94-Ile-AAT     GAGACCUG-CAUGGGCCA 74
chr-1.trna5-Ile-AAT      GAUCCCUG-CAUGGGCCA 74
chr-10.trna61-Ile-AAT    GAGACCUG-CAUGGGCCA 74
chr-10.trna95-Ile-AAT    GAGACCUG-CAUCGGCCA 74
chr-13.trna3-Ile-TAT     GAGCCUUG-UCGGGACCA 74
chr-2.trna18-Ile-TAT     GAGCCCCG-CCGGGACCA 74
chr-7.trna6-Ile-TAT      GAGCCCCG-CCGGGACCA 74
chr-7.trna7-Ile-TAT      GAGCCCCG-CCGGGACCA 74
chr-9.trna41-Ile-TAT     GAGCCCCG-CCGGGACCA 74
chr-3.trna27-Ile-TAT     GAGCCUCG-CCGGGACCA 74
chr-13.trna67-Ile-TAT    GAGCCUCG-CCGGGACCA 74
chr-13.trna2-Ile-TAT     GAGCCCCG-CCGGGACCA 74
chr-5.trna43-Ile-AAT     GAAACCUG-CAUGGGCCA 74
chr-9.trna52-Ile-AAT     GAGACCUG-CAUGGGCUA 74
chr-7.trna55-Ile-AAT     GAUCCAUG-UUCAUCGCA 73
chr-2.trna2-Ile-TAT      AAUUCCUACCCUUCAAUA 75
                         .........70.......
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