```
                                 ((((((((((((.....))))))((.(.(((((.......)))))).....).))))))))
chr-2.trna61-Ile-AAT    GGCCUAUUAGCUCAGUUGGUUAGAGCGUCGUGCUAAUAACGCAA---AGGUCGCAGGUUC 57
chr-5.trna4-Ile-AAT     GGCCUAUUAGCUCAGUUGGUUAGAGCGUCGUGCUAAUAACGCGA---AGGUCGCAGGUUU 57
chr-5.trna1-Ile-AAT     GGUCUAUUAGCUCAGUUGGUUAGAGCGUCGUGCUAAUAACGCGA---AGGUCGCAGGUUU 57
chr-1.trna76-Ile-AAT    GGCCUAUUAGCUCAGUUGGUUAGAGCGUCGUGCUAAUAACGCGA---AGGUCGCAGGUUC 57
chr-2.trna15-Ile-AAT    GGCCUAUUAGCUCAGUUGGUUAGAGCGUCGUGCUAAUAACGCGA---AGGUCGCAGGUUC 57
chr-3.trna44-Ile-AAT    GGCCUAUUAGCUCAGUUGGUUAGAGCGUCGUGCUAAUAACGCGA---AGGUCGCAGGUUC 57
chr-3.trna49-Ile-AAT    GGCCUAUUAGCUCAGUUGGUUAGAGCGUCGUGCUAAUAACGCGA---AGGUCGCAGGUUC 57
chr-5.trna62-Ile-AAT    GGCCUAUUAGCUCAGUUGGUUAGAGCGUCGUGCUAAUAACGCGA---AGGUCGCAGGUUC 57
chr-7.trna24-Ile-AAT    GGCCUAUUAGCUCAGUUGGUUAGAGCGUCGUGCUAAUAACGCGA---AGGUCGCAGGUUC 57
chr-1.trna6-Ile-AAT     GGCCUAUUAGCUCAGUUGGUUAGAGCGUCGUGCUAAUAACGCGA---AGGUCGCAGGUUC 57
chr-6.trna58-Ile-AAT    GGCCUAUUAGCUCAGUUGGUUAGAGCGUCGUGCUAAUAACGCGA---AGGUCGCAGGUUC 57
chr-5.trna54-Ile-AAT    GGCCUAUUAGCUCAGUUGGUUAGAGCGUCGUGCUAAUAACGCGA---AGGUCGCAGGUUC 57
chr-1.trna55-Ile-AAT    GGCCUAUUAGCUCAGUUGGUUAGAGCGUCGUGCUAAUAACGCGA---AGGUCGCAGGUUC 57
chr-5.trna5-Ile-AAT     GGCCUAUUAGCUCAGUUGGUUAGAGCGUCGUGCUAAUAACGCGA---AGGUCGUAGGUUC 57
chr-1.trna3-Ile-AAT     GGCCUAUUAGCUCAGUUGGUUAGAGCGUCGUGCUAAUAACGCGA---AGGUCGCAGGUUC 57
chr-7.trna64-Ile-AAT    GGCCUAUUAGCUCAGUUGGUUAGAGCGUCGUGCUAAUAACGCGA---AGGUCGCAGGUUC 57
chr-5.trna2-Ile-AAT     GGCCUAUUAGCUCAGUUGGUUAGAGCGUCGUGCUAAUAACGCGA---AGGUCGCAGGUUC 57
chr-2.trna62-Ile-AAT    GGCCUAUUAGCUCAGUUGGUUAGAGCGUCGUGCUAAUAACGCGA---AGGUCGCAGGUUC 57
chr-7.trna26-Ile-AAT    GGCCUAUUAGCUCAGUUGGUUAGAGCGUCGUGCUAAUAACGCGA---AGGUCGCAGGUUC 57
chr-3.trna75-Ile-AAT    GGCCUAUUAGCUCAGUUGGUUAGAGCGUCGUGCUAAUAACGCGA---AGGUCGCAGGUUC 57
chr-3.trna76-Ile-AAT    GGCCUAUUAGCUCAGUUGGUUAGAGCGUCGUGCUAAUAACGCGA---AGGUCGCAGGUUC 57
chr-3.trna81-Ile-AAT    GGCCUAUUAGCUCAGUUGGUUAGAGCGUCGUGCUAAUAACGCGA---AGGUCGCAGGUUC 57
chr-5.trna3-Ile-AAT     GGCCUAUUAGCUCAGUUGGUUAGAGCGUCGUGCUAAUAACGCGA---AGGUCGCAGGUUC 57
chr-1.trna4-Ile-AAT     GGCCUAUUAGCUCAGCUGGUUAGAGCGUCGUGCUAAUAACGCGA---AGGUCGCAGGUUC 57
chr-1.trna21-Ile-TAT    GGUCCCGUAGCUCAGUUGGUUAGAGCGCUGGUCUUAUGAGCCGG---AGGUCGCGAGUUC 57
chr-1.trna51-Ile-TAT    GGUCCCGUAGCUCAGUUGGUUAGAGCGUUGGUCUUAUGAGCCGG---AGGUCGCGGGUUC 57
chr-4.trna40-Ile-TAT    GGUCCCGUAGCUCAGUUGGUUAGAGCGUUGGUCUUAUGAGCCGA---AGGUCGCGGGUUC 57
chr-1.trna61-Ile-TAT    GGUCCCGUAGCUCAGUUGGUUAGAGCGUUGGUCUUAUGAGCCGA---AGGUCGCGGGUUC 57
chr-4.trna54-Ile-TAT    GGUCCCGUAGCUCAGUUGGUUAGAGCGUUGGUCUUAUGAGCCGA---AGGUCGCGGGUUC 57
chr-4.trna39-Ile-TAT    GGUCCCGUAGCUCAGUUGGUUAGAGCGUUGGUCUUAUGAGCCGA---AGGUCGCGGGUUC 57
chr-5.trna6-Ile-AAT     GGCCUAUUAGCACAGUUCGUUAUAACAUCGUGCUAAUAACACGA---AGGUCGCAGGUUC 57
chr-7.trna62-Ile-AAT    GGCCUAUUAGCUCAGUUGGUUAGAGCGUCGUGCUAAUAAUGCGACCAAGGCUGCAGCUUC 60
                        .........10........20........30........40........50.........

                        ..)))))))))))))).
chr-2.trna61-Ile-AAT    GAAACCUGCAUGGGCCA 74
chr-5.trna4-Ile-AAT     GAAACCUGCAUGGGCCA 74
chr-5.trna1-Ile-AAT     GAAACCUGCAUGGGCCA 74
chr-1.trna76-Ile-AAT    GAGACCUGCAUGGGCCA 74
chr-2.trna15-Ile-AAT    GAGACCUGCAUGGGCCA 74
chr-3.trna44-Ile-AAT    GAGACCUGCAUGGGCCA 74
chr-3.trna49-Ile-AAT    GAGACCUGCAUGGGCCA 74
chr-5.trna62-Ile-AAT    GAGACCUGCAUGGGCCA 74
chr-7.trna24-Ile-AAT    GAGACCUGCAUGGGCCA 74
chr-1.trna6-Ile-AAT     GAAACCUGCAUGGGCCA 74
chr-6.trna58-Ile-AAT    GAAACCUGCAUGGGCCA 74
chr-5.trna54-Ile-AAT    GAAACCUGCAUGGGCCA 74
chr-1.trna55-Ile-AAT    GAAACCUGCAUGGGCCA 74
chr-5.trna5-Ile-AAT     GAAACCUGCAUGGGCCA 74
chr-1.trna3-Ile-AAT     GAAACCUGCAUGGGCCA 74
chr-7.trna64-Ile-AAT    GAAACCUGCAUGGGCCA 74
chr-5.trna2-Ile-AAT     GAAACCUGCAUGGGCCA 74
chr-2.trna62-Ile-AAT    GAAACCUGCAUGGGCCA 74
chr-7.trna26-Ile-AAT    GAAACCUGCAUGGGCCA 74
chr-3.trna75-Ile-AAT    GAAACCUGCAUGGGCCA 74
chr-3.trna76-Ile-AAT    GAAACCUGCAUGGGCCA 74
chr-3.trna81-Ile-AAT    GAAACCUGCAUGGGCCA 74
chr-5.trna3-Ile-AAT     GAAACCUGCAUGGGCCA 74
chr-1.trna4-Ile-AAT     GAGACCUGCAUGGGCCA 74
chr-1.trna21-Ile-TAT    GAGCCUCGCCGGGACCA 74
chr-1.trna51-Ile-TAT    GAGCCCCGCCGGGACCA 74
chr-4.trna40-Ile-TAT    GAGCCCCGCCGGGACCA 74
chr-1.trna61-Ile-TAT    GAGCCCCGCCGGGACCA 74
chr-4.trna54-Ile-TAT    GAGCCCCGCCGGGACCA 74
chr-4.trna39-Ile-TAT    GAGCCCCGCCGGGACCA 74
chr-5.trna6-Ile-AAT     GAAACCUGCAUGGGCCA 74
chr-7.trna62-Ile-AAT    GGAACCUUGAUAGGCCA 77
                        .........70......
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