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                                 ((((((((((((.....))))))((.(.(((((.......)))))..).))))))....
chr-5.trna42-Ile-AAT    GGCCUAUUAGCUCAGCUGGUUAGAGCGUCGUGCUAAUAACGCGA-AGGUCGCAGGUUCGA 59
chr-5.trna50-Ile-AAT    GGCCUAUUAGCUCAGCUGGUUAGAGCGUCGUGCUAAUAACGCGA-AGGUCGCAGGUUCGA 59
chr-2.trna21-Ile-AAT    GGCCUAUUAGCUCAGUUGGUUAGAGCGUCGUGCUAAUAACGCGA-AGGUCGCAGGUUCGA 59
chr-17.trna12-Ile-AAT   GGCCCAUUAGCUCAGUUGGUUAGAGCGUCGUGCUAAUAACGCGA-AGGUCGCAGGUUCGA 59
chr-2.trna22-Ile-AAT    GGCCUAUUAGCUCAGUUGGUUAGAGCGUCGUGCUAAUAACGCGA-AGGUCGCAGGUUCGA 59
chr-17.trna16-Ile-AAT   GGCCUAUUAGCUCAGUUGGUUAGAGCGUCGUGCUAAUAACGCGA-AGGUCGCAGGUUCGA 59
chr-4.trna15-Ile-AAT    GGCCUAUUAGCUCAGUUGGUUAGAGCGUCGUGCUAAUAACGCGA-AGGUCGCAGGUUCGA 59
chr-16.trna28-Ile-AAT   GGCCUAUUAGCUCAGUUGGUUAGAGCGUCGUGCUAAUAACGCGA-AGGUCGCAGGUUCGA 59
chr-7.trna20-Ile-AAT    GGCCUAUUAGCUCAGUUGGUUAGAGCGUCGUGCUAAUAACGCGA-AGGUCGCAGGUUCGA 59
chr-8.trna3-Ile-AAT     GGCCUAUUAGCUCAGUUGGUUAGAGCGUCGUGCUAAUAACGCGA-AGGUCGCAGGUUCGA 59
chr-8.trna33-Ile-AAT    GGCCUAUUAGCUCAGUUGGUUAGAGCGUCGUGCUAAUAACGCGA-AGGUCGCAGGUUCGA 59
chr-14.trna18-Ile-AAT   GGCCUAUUAGCUCAGUUGGUUAGAGCGUCGUGCUAAUAACGCGA-AGGUCGCAGGUUCGA 59
chr-12.trna4-Ile-AAT    GGCCUAUUAGCUCAGUUGGUUAGAGCGUCGUGCUAAUAACGCGA-AGGUCGCAGGUUCGA 59
chr-9.trna7-Ile-AAT     GGCCUAUUAGCUCAGUUGGUUAGAGCGUCGUGCUAAUAACGCGA-AGGUCGCAGGUUCGA 59
chr-11.trna17-Ile-AAT   GGCCUAUUAGCUCAGUUGGUUAGAGCGUCGUGCUAAUAACGCGA-AGGUCGCAGGUUCGA 59
chr-9.trna22-Ile-AAT    GGCCUAUUAGCUCAGUUGGUUAGAGCGUCGUGCUAAUAACGCGA-AGGUCGCAGGUUCGA 59
chr-10.trna28-Ile-AAT   GGCCUAUUAGCUCAGUUGGUUAGAGCGUCGUGCUAAUAACGCGA-AGGUCGCAGGUUCGA 59
chr-10.trna11-Ile-AAT   GGCCUAUUAGCUCAGUUGGUUAGAGCGUCGUGCUAAUAACGCGA-AGGUCGCAGGUUCGA 59
chr-9.trna36-Ile-AAT    GGCCUAUUAGCUCAGUUGGUUAGAGCGUCGUGCUAAUAACGCGA-AGGUCGCAGGUUCGA 59
chr-16.trna14-Ile-AAT   GGCCUAUUAGCUCAGUUGGUUAGAGCGUCGUGCUAAUAACGCGA-AGGUCGCAGGUUCGA 59
chr-1.trna65-Ile-TAT    GGUCCCGUAGCUCAGUUGGUUAGAGCGUUGGUCUUAUGAGCCGA-AGGUCGCGGGUUCGA 59
chr-1.trna43-Ile-TAT    GGUCCCGUAGCUCAGUUGGUUAGAGCGUUGGUCUUAUGAGCCGA-AGGUCGCGGGUUCGA 59
chr-11.trna14-Ile-TAT   GGUCCCGUAGCUCAGUUGGUUAGAGCGUUGGUCUUAUGAGCCGA-AGGUCGCGGGUUCGA 59
chr-11.trna21-Ile-TAT   GGUCCCGUAGCUCAGUUGGUUAGAGCGUUGGUCUUAUGAGCCGA-AGGUCGCGGGUUCGA 59
chr-18.trna13-Ile-TAT   GGUCCCGUAGCUCAGUUGGUUAGAGCGUUGGUCUUAUGAGCCGA-AGGUCGCGGGUUCGA 59
chr-9.trna41-Ile-TAT    GGUCCCGUAGCUCAGUUGGUUAGAGCGUUGGUCUUAUGAGCCGA-AGGUCGCGGGUUCGA 59
chr-6.trna45-Ile-TAT    GGUCCCGUAGCUCAGUUGGUUAGAGCGUUGGUCUUAUGAGCCGA-AGGUCGCGGGUUCGA 59
chr-15.trna8-Ile-GAT    UCGACCUUAGCUCAG-UGGCGAGAGCAGAGGGCUGAU--UCCUCUAGGUCGCUGGUUCGA 57
chr-16.trna18-Ile-TAT   GUAUUCAUAGCUGAA-UGAUUAAGCACCUAACUUAUUAUUGGUGAAUUCGUAGGUUCAA 59
                        .........10........20........30........40........50.........

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chr-5.trna42-Ile-AAT    AACCUGCAUGGGCCA 74
chr-5.trna50-Ile-AAT    GACCUGCAUGGGCCA 74
chr-2.trna21-Ile-AAT    AACCUGCAUGGGCCA 74
chr-17.trna12-Ile-AAT   AACCUGCAUGGGCCA 74
chr-2.trna22-Ile-AAT    AACCUGCAUGGGCCA 74
chr-17.trna16-Ile-AAT   AACCUGCAUGGGCCA 74
chr-4.trna15-Ile-AAT    AACCUGCAUGGGCCA 74
chr-16.trna28-Ile-AAT   AACCUGCAUGGGCCA 74
chr-7.trna20-Ile-AAT    AACCUGCAUGGGCCA 74
chr-8.trna3-Ile-AAT     AACCUGCAUGGGCCA 74
chr-8.trna33-Ile-AAT    AACCUGCAUGGGCCA 74
chr-14.trna18-Ile-AAT   AACCUGCAUGGGCCA 74
chr-12.trna4-Ile-AAT    AACCUGCAUGGGCCA 74
chr-9.trna7-Ile-AAT     AACCUGCAUGGGCCA 74
chr-11.trna17-Ile-AAT   AACCUGCAUGGGCCA 74
chr-9.trna22-Ile-AAT    AACCUGCAUGGGCCA 74
chr-10.trna28-Ile-AAT   AACCUGCAUGGGCCA 74
chr-10.trna11-Ile-AAT   AACCUGCAUGGGCCA 74
chr-9.trna36-Ile-AAT    AACCUGCAUGGGCCA 74
chr-16.trna14-Ile-AAT   AACGUGCAUGGGCCA 74
chr-1.trna65-Ile-TAT    GCCCCGCCGGGACCA 74
chr-1.trna43-Ile-TAT    GCCCCGCCGGGACCA 74
chr-11.trna14-Ile-TAT   GCCCCGCCGGGACCA 74
chr-11.trna21-Ile-TAT   GCCCCGCCGGGACCA 74
chr-18.trna13-Ile-TAT   GCCCCGCCGGGACCA 74
chr-9.trna41-Ile-TAT    GCCCCGCCGGGACCA 74
chr-6.trna45-Ile-TAT    GCCCCGCCGGGACCA 74
chr-15.trna8-Ile-GAT    UUCCGGCAGGUCGAG 72
chr-16.trna18-Ile-TAT   UUCCUACUGGAUGCA 74
                        .........70....

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