```
                                 (((((((...(((((.........)))))(((((.......)))))..............
chr-26.trna6-His-GTG     GCGGAUG--UAGCCAAGUGGAUCAAGGCAGUGGAUUGUGAAUCCAC----------CAUG 48
chr-2.trna50-His-GTG     GCGAAUG--UAGCCAAGUGGAUCAAGGUAGUGGAUUGUGAAUCCAC----------CAUG 48
chr-4.trna44-His-GTG     GCGGAUG--UAGCCAAGUGGAUCAAGGUAGUGGAUUGUGAAUCCAC----------CAUG 48
chr-2.trna47-His-GTG     GCGGAUG--UAGCCAAGUGGAUCAAGGCAGUGGAUUGUGAAUCCAC----------CAUG 48
chr-2.trna21-His-GTG     GCGGAUG--UAGCCAAGUGGAUCAAGGCAGUGGAUUGUGAAUCCAC----------CAUG 48
chr-11.trna35-His-GTG    GCGGAUG--UAGCCAAGUGGAUCAAGGCAGUGGAUUGUGAAUCCAC----------CACG 48
chr-15.trna53-His-GTG    GCGGAUG--UAGCCAAGUGGAUCAAGGCAGUGGAUUGUGAAUCCAC----------CACG 48
chr-19.trna104-His-GTG   GCGGAUG--UAGCCAAGUGGAUCAAGGCAGUGGAUUGUGAAUCCAC----------CACG 48
chr-12.trna8-His-GTG     GGGCGGAUGUAGCCAAGUGGAUAAAGGCAAUGGAUUGUGAAUCCAU----------CGUG 50
chr-3.trna45-His-GTG     UGGGGCG--UGGCUAAGUGG--UAAGGCAACGGGUUGUGGUCCGC----------UAUG 46
chr-17.trna39-His-GTG    UGGGGCG--UGGCUAAGUGG--UAAGGCAACGGGUUGUGGUCCGC----------UAUG 46
chr-10.trna60-His-GTG    GUGGCUG--UAGUUUAGUGG-UAAGAAUUCUACGUUGUGGCCGUAG----------AGA 46
chr-15.trna13-His-GTG    GUGGCUG--UAGUUUAGUGG-UAAGAAUUCUACGUUGUGGCCGUAG----------AGA 46
chr-2.trna71-His-GTG     GUGGCUG--UAGUUUAGUGG-UAAGAAUUCCACGUUGUGGCCGUGG----------AGA 46
chr-18.trna2-His-GTG     GUGGCUG--UAGUUUAGUGG-UAAGAAUUCCACGUUGUGGCCGUGG----------AGA 46
chr-16.trna44-His-GTG    GUGGCUG--UAGUUUAGUGG-UAAGAAUUCCACGUUGUGGCCGUGG----------AGA 46
chr-16.trna43-His-GTG    GUGGCUG--UAGUUUAGUGG-UAAGAAUUCCACGUUGUGGCCGUGG----------AGA 46
chr-20.trna17-His-GTG    GUGGCUG--UAGUUUAGUGG-UAAGAAUUCCACGUUGUGGCCGUGG----------AGA 46
chr-10.trna77-His-GTG    GUGGCUG--UAGUUUAGUGG-UAAGAAUUCCACGUUGUGGCCGUGG----------AGA 46
chr-10.trna78-His-GTG    GUGGCUG--UAGUUUAGUGG-UAAGAAUUCCACGUUGUGGCCGUGG----------AGA 46
chr-12.trna1-His-GTG     GUGGCUG--UAGUUUAGUGG-UAAGAAUUCCACGUUGUGGCCGUGG----------AGA 46
chr-12.trna2-His-GTG     GUGGCUG--UAGUUUAGUGG-UAAGAAUUCCACGUUGUGGCCGUGG----------AGA 46
chr-13.trna37-His-GTG    GUGGCUG--UAGUUUAGUGG-UGAGAAUUCCACGUUGUGGCCGUGG----------AGA 46
chr-26.trna15-His-GTG    GUGGCUG--UAGUUUAGUGG-UUAGAAUUCUACGUUGUGGCCGUAG----------AGA 46
chr-21.trna7-His-GTG     GUGGCUG--UAGUUUAGUGG-UUAGAAUUCUACGUUGUGGCCGUAG----------AGA 46
chr-24.trna52-His-GTG    GUGGCUG--UAGUUUAGUGG-UAAGAAUUCUACGUUGUGGCCGUAG----------AGA 46
chr-19.trna52-His-GTG    GUGGCUG--UAGUUUAGAGG-UUAGAUUUCUACGUUGUGGCCGUAG----------AGA 46
chr-7.trna35-His-GTG     GUGGCUG--UAGUUUAGUGG-UAAGAAGUCCACGUUGUGGCCGUGG----------AGA 46
chr-9.trna45-His-GTG     GGGUCGA--UGCCCGAGCGGUUAAUGGGGAUGGAUUGUGAAUUCGUUGGCAAUAUGUCUA 58
chr-22.trna49-His-GTG    G--------UAGCUAAGUGGAUCAAGGCAGUGGAUUGUGAAUCCAU----------UAUG 42
                         .........10........20........30........40........50.........
                                 .(((((........)))))..)))))))).
chr-26.trna6-His-GTG     CGUGGGUUCA-AUUCUCGU--CGUUCGCC 74
chr-2.trna50-His-GTG     CGCGGGUUCA-AUUCCCGU--CAUUCGCC 74
chr-4.trna44-His-GTG     CGCAGGUUCA-AUUCCCGU--CGUUCGCC 74
chr-2.trna47-His-GTG     CGCGUGUUCA-AUUCCCGU--CGUUCGCC 74
chr-2.trna21-His-GTG     CACGGGUUCA-AUUCCCGU--CGUUCGCC 74
chr-11.trna35-His-GTG    CGCGGGUUCA-AUCCCCGU--CGUUCGCC 74
chr-15.trna53-His-GTG    CGCGGGUUCA-AUCCCCGU--CGUUCGCC 74
chr-19.trna104-His-GTG   CGCGGGUUCA-AUUCCCGU--CGUUCGCC 74
chr-12.trna8-His-GTG     UGCAAAUUCA-AUUCUCGUAGUUCGCCCG 78
chr-3.trna45-His-GTG     CGGAGGUUCG-AAUCCUUC--CGUCCCAA 72
chr-17.trna39-His-GTG    CGGAGGUUCG-AAUCCUUC--CGUCCCAA 72
chr-10.trna60-His-GTG    CCUGGGCUCG-AAUCCCAG--CAGCCACA 72
chr-15.trna13-His-GTG    CCUGGGCUCG-AAUCCCAG--CAGUCGCA 72
chr-2.trna71-His-GTG     CCUGGGCUCG-AAUCCCAG--CAGCCACA 72
chr-18.trna2-His-GTG     CCUGGGCUCG-AAUCCCAG--CAGCCACA 72
chr-16.trna44-His-GTG    CCUGGGCUCG-AAUCCCAG--CAGCCACA 72
chr-16.trna43-His-GTG    CCUGGGCUCG-AAUCCCAG--CAGCCACA 72
chr-20.trna17-His-GTG    CCUGGGCUCG-AAUCCCAG--CAGCCACA 72
chr-10.trna77-His-GTG    CCUGGGCUCG-AAUCCCAG--CAGCCACA 72
chr-10.trna78-His-GTG    CCUGGGCUCG-AAUCCCAG--CAGCCACA 72
chr-12.trna1-His-GTG     CCUGGGCUCG-AAUCCCAG--CAGCCACA 72
chr-12.trna2-His-GTG     CCUGGGCUCG-AAUCCCAG--CAGCCACA 72
chr-13.trna37-His-GTG    CCUGGGCUCG-AAUCCCAG--CAGCCACA 72
chr-26.trna15-His-GTG    CCUGGGCUCG-AAUUCCAG--CAGCCACA 72
chr-21.trna7-His-GTG     CCUGGACUCG-AAUCCCAG--CAGUCACA 72
chr-24.trna52-His-GTG    CCUGGGCUCG-AAUCCAAG--CAGCCACA 72
chr-19.trna52-His-GTG    CCUGGGCUCG-AAUCCCAG--CAGCCACA 72
chr-7.trna35-His-GTG     CCUGGGCUCGUAAUCCCAG--CAGCCACA 73
chr-9.trna45-His-GTG     CGUUGGUUUA-AAUCCAGC--UCGGCCCA 84
chr-22.trna49-His-GTG    CGCGGGUUCA-AUUUCCGU----GUC-CA 65
                         .........70........80........
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