```
                                (((((((...(((((.........)))))(((((.......)))))).....(((((....
chr-2.trna371-His-GTG    GCGGAUG--UAGCCAAGUGGAUCAAGGCAGUGGAUUGUGAAUCCACCAUGUGCGGGUUCA 58
chr-5.trna419-His-GTG    GCGGAUG--UAGCCAAGUGGAUCAAGGCAGUGGAUUGUGAAUCCACCAUGUGCGGGUUCA 58
chr-4.trna369-His-GTG    GCGGAUG--UAGCCAAGUGGAUCAAGGCAGUGGAUUGUGAAUCCACCAUGCGCGAGUUCA 58
chr-6.trna214-His-GTG    GCGGAUG--UAGCCAAGUGGAUCAAGGCAGUGGAUUGUGAAUCCACCAUGCGCGGGUUCA 58
chr-4.trna507-His-GTG    GCGGAUG--UGGCCAAGCGGAUCAAGGCAGUGGAUUGUGAAUCCACCAUGCGCGGGUUCA 58
chr-4.trna514-His-GTG    GCGGAUG--UGGCCAAGCGGAUCAAGGCAGUGGAUUGUGAAUCCACCAUGCGCGGGUUCA 58
chr-6.trna325-His-GTG    GCGGAUG--UAGCCAAGUGGAUCAAGGAAGUGGAUUGUGAAUCCACCAUGCGCGGGUUCA 58
chr-5.trna211-His-GTG    GUGGAUG--UAGCCAAGUGGAUCAAGGCAGUGGAUUGUGAAUCCACCAUGCGCGGGUUCA 58
chr-5.trna351-His-GTG    GCGGAUG--UAGCCAAGUGGAUCAAGGCAGUGGAUUGUGAAUCCACCAUGCGCGGGUUCA 58
chr-7.trna382-His-GTG    GCGGAUG--UGGCCAAGUGGAUCAAGGCAGUGGAUUGUGAAUCCACCAUGCGCGGGUUCA 58
chr-7.trna458-His-GTG    GGGCGGAUGUAGCCAAGUGGAUCAAGGCAGUGGAUUGUGAAUCCACUA--CGCUGGUUCA 58
chr-1.trna187-His-GTG    GUGGCUG--UAGUUUAGUGG-UGAGAAUUCCACGUUGUGGCCGUGG-AGACCUGGGCUCG 56
chr-1.trna390-His-GTG    GUGGCUG--UAGUUUAGUGG-UGAGAAUUCCACGUUGUGGCCGUGG-AGACCUGGGCUCG 56
chr-6.trna71-His-GTG     GUGGCUG--UAGUUUAGUGG-UGAGAAUUCCACGUUGUGGCCGUGG-AGACCUGGGCUCG 56
chr-6.trna57-His-GTG     GUGGCUG--UAGUUUAGUGG-UGAGAAUUCCACGUUGUGGCCGUGG-AGACCUGGGCUCG 56
chr-6.trna56-His-GTG     GUGGCUG--UAGUUUAGUGG-UGAGAAUUCCACGUUGUGGCCGUGG-AGACCUGGGCUCG 56
chr-6.trna55-His-GTG     GUGGCUG--UAGUUUAGUGG-UGAGAAUUCCACGUUGUGGCCGUGG-AGACCUGGGCUCG 56
chr-6.trna54-His-GTG     GUGGCUG--UAGUUUAGUGG-UGAGAAUUCCACGUUGUGGCCGUGG-AGACCUGGGCUCG 56
chr-7.trna190-His-GTG    GUGGCUG--UAGUUUAGUGG-UGAGAAUUCCACGUUGUGGCCGUGG-AGACCUGGGCUCG 56
chr-5.trna395-His-GTG    GUGGCUG--UAGUUUAGUGG-UGAGAAUUCCACGUUGUGGCCGUGG-AGACCUGGGCUCG 56
chr-1.trna185-His-GTG    GUGGCUG--UAGUUUAGUGG-UGAGAAUUCCACGUUGUGGCCGUGG-AGACCUGGGCUCG 56
chr-2.trna99-His-GTG     GUGGCUG--UAGUUUAGUGG-UGAGAAUUCCACGUUGUGGCCGUGG-AGACCUGGGCUCG 56
chr-2.trna127-His-GTG    GUGGCUG--UAGUUUAGUGG-UGAGAAUUCCACGUUGUGGCCGUGG-AGACCUGGGCUCG 56
chr-2.trna152-His-GTG    GUGGCUG--UAGUUUAGUGG-UGAGAAUUCCACGUUGUGGCCGUGG-AGACCUGGGCUCG 56
chr-2.trna502-His-GTG    GUGGCUG--UAGUUUAGUGG-UGAGAAUUCCACGUUGUGGCCGUGG-AGACCUGGGCUCG 56
chr-4.trna206-His-GTG    GUGGCUG--UAGUUUAGUGG-UGAGAAUUCCACGUUGUGGCCGUGG-AGACCUGGGCUCG 56
chr-4.trna207-His-GTG    GUGGCUG--UAGUUUAGUGG-UGAGAAUUCCACGUUGUGGCCGUGG-AGACCUGGGCUCG 56
chr-6.trna380-His-GTG    GUGGCUG--UAGUUUAGUGG-UGAGAAUUCCAUGUUGUGGCCGUGG-AGACCUGGGCUCG 56
chr-7.trna388-His-GTG    GUGGCUG--UAGUUUAGUGG-UGAGAAUUCCACGUUGUGGCCGUGG-AGACCUGGGCUCA 56
chr-6.trna72-His-GTG     GUGGCUG--UAGUUUAGUGG-UGAGAAUUCCACGUUGUGGCCGUGG-AGACUUGGGCUCG 56
chr-2.trna128-His-GTG    GUGGUUG--UAGUUUAGUGG-UGAGAAUUCCACGUGGUGGCCGUGG-AGACCUGGGCUUG 56
chr-2.trna142-His-GTG    GUGGUUG--UAGUUUAGUGG-UGAGAAUUCCACGUGGUGGCCGUGG-AGACCUGGGCUUG 56
chr-6.trna73-His-GTG     GUGGCUG--UAGUUUAGUGG-UGAGAAUUCCACGUUGUGGCCGUGG-AGACCUGGGCUUG 56
chr-2.trna121-His-GTG    GUGGGUG--UAGUGUAGUGG-UGAGAAUUCCACGUUGUGGCCGUGG-AGACCUGGGCUCG 56
chr-4.trna344-His-GTG    GUGGCUG--UAGUUUAGUGG-UGAGAAUUCCACGUUGUGGCCGUGG-AGAUCUGGGCUCG 56
chr-2.trna131-His-GTG    GUGGCUG--CAGUUUAGUGG-UGAGAAUUCCACGUUGUGGCCGUGA-AGA-CCAGGCUCG 55
                         .........10........20........30........40........50.........
                                  ...))))))))).......)))).
chr-2.trna371-His-GTG    AUUCCCGUCGU-------UCGCC 74
chr-5.trna419-His-GTG    AUUCCCGUCAU-------UCGCC 74
chr-4.trna369-His-GTG    AUUCCCGUCGU-------UCGCC 74
chr-6.trna214-His-GTG    AUUCCAGUCGU-------UCGCC 74
chr-4.trna507-His-GTG    AUUCCCGUCAU-------UCGCC 74
chr-4.trna514-His-GTG    AUUCCCGUCAU-------UCGCC 74
chr-6.trna325-His-GTG    AUUCCUGUCGU-------UCGCC 74
chr-5.trna211-His-GTG    AUUCCCGUCGU-------UCUCC 74
chr-5.trna351-His-GTG    AUUCCCGCCGUUCUCCCAUCGCA 81
chr-7.trna382-His-GTG    AUUCCCGUCGUUCUCCCAUCGCA 81
chr-7.trna458-His-GTG    AAUCCAGCUCG-------GCCCA 74
chr-1.trna187-His-GTG    AAUCCCAGCAG-------CCACA 72
chr-1.trna390-His-GTG    AAUCCCAGCAG-------CCACA 72
chr-6.trna71-His-GTG     AAUCCCAGCAG-------CCACA 72
chr-6.trna57-His-GTG     AAUCCCAGCAG-------CCACA 72
chr-6.trna56-His-GTG     AAUCCCAGCAG-------CCACA 72
chr-6.trna55-His-GTG     AAUCCCAGCAG-------CCACA 72
chr-6.trna54-His-GTG     AAUCCCAGCAG-------CCACA 72
chr-7.trna190-His-GTG    AAUCCCAGCAG-------CCACA 72
chr-5.trna395-His-GTG    AAUCCCAGCAG-------CCACA 72
chr-1.trna185-His-GTG    AAUCCCAGCAG-------CCACA 72
chr-2.trna99-His-GTG     AAUCCCAGCAG-------CCACA 72
chr-2.trna127-His-GTG    AAUCCCAGCAG-------CCACA 72
chr-2.trna152-His-GTG    AAUCCCAGCAG-------CCACA 72
chr-2.trna502-His-GTG    AAUCCCAGCAG-------CCACA 72
chr-4.trna206-His-GTG    AAUCCCAGCAG-------CCACA 72
chr-4.trna207-His-GTG    AAUCCCAGCAG-------CCACA 72
chr-6.trna380-His-GTG    AAUCCCAGCAG-------CCACA 72
chr-7.trna388-His-GTG    AAUCCCAGCAG-------CCACA 72
chr-6.trna72-His-GTG     AAUCCCAGCAG-------CCACA 72
chr-2.trna128-His-GTG    AAUCCCAGCAG-------CCACA 72
chr-2.trna142-His-GTG    AAUCCCAGCAG-------CCACA 72
chr-6.trna73-His-GTG     AAUCCCAGCAG-------CCACA 72
chr-2.trna121-His-GTG    AAUCCCAGCAG-------CCACA 72
chr-4.trna344-His-GTG    AAUAUCAGAAG-------CCACA 72
chr-2.trna131-His-GTG    AAUCCCAGCAG-------CCACA 71
                         .........70........80..
```