```
                        (((((((..(((...........))).(((((.......)))))).(((((.......)))))
chr-7.trna393-Ser-TGA   GGAGAGAUGGUUGAGUGGUUGAUAGCUCCGGUCUUGAAAACCGGUAUAGUUCUAGGAACU 60
chr-2.trna608-Ser-TGA   AGAGAGAUGGCUGAGUGGUUGAUAGCUCCGGUCUUGAAAACCGGUAUAGUUCUAGGAACU 60
chr-5.trna247-Ser-TGA   GAAGAGAUGGCUGAGUGGUUGAUAGCUCCGGUCUUGAAAACCGGUAUAGUUCUAGGAACU 60
chr-4.trna112-Ser-TGA   GGAGAGAUGGAUGAGUGGUUGAUAGCUCCGGUCUUGAAAACCGGUAUAGUUGUAGGAACU 60
chr-3.trna131-Ser-TGA   GGAUGGAUGUCUGAGCGGUUGAAAGAGUCGGUCUUGAAAACCGAAGUAUUGAUAGG-AAU 59
chr-1.trna464-Ser-TGA   GGAUGGAUGCCUGAGCGGUUGAAAGAGUCGGUCUUGAAAACCGAAGUAUUGAUAGG-AAU 59
chr-1.trna104-Ser-TGA   GGAUGGAUGUCUGAGCGGUUGAAAGAGUCGGUCUUGAAAACCGAAGUAUUGAUAGG-AAU 59
chr-2.trna376-Ser-TGA   GGAUGGAUGUCUGAGCGGUUGAAAGAGUCGGUCUUGAAAACCGAAGUAUUGAUAGG-AAU 59
chr-3.trna542-Ser-TGA   GGAUGGAUGUCUGAGCGGUUGAAAGAGUCGGUCUUGAAAACCGAAGUAUUGAUAGG-AAU 59
chr-4.trna241-Ser-TGA   GGAUGGAUGUCUGAGCGGUUGAAAGAGUCGGUCUUGAAAACCGAAGUAUUGAUAGG-AAU 59
chr-5.trna5-Ser-TGA     GGAUGGAUGUCUGAGCGGUUGAAAGAGUCGGUCUUGAAAACCGAAGUAUUGAUAGG-AAU 59
chr-7.trna220-Ser-TGA   GGAUGGAUGUCUGAGCGGUUGAAAGAGUCAGUCUUGAAAACCGAAGUAUUGAUAGG-AAU 59
chr-7.trna183-Ser-TGA   GGAUGGAUGUCUGAGCGGUUGAAAGAGUCAGUCUUGAAAACCGAAGUAUUGAUAGG-AAU 59
chr-4.trna295-Ser-TGA   GUCGAUAUGUCCGAGUGGUU-AAGGAGACAGACUUGAAAUCUGU-UGGGCUUC----GCC 54
chr-4.trna179-Ser-TGA   GUCGAUAUGUCCGAGUGGUU-AAGGAGACAGACUUGAAAUCUGU-UGGGCUUC----GCC 54
chr-1.trna66-Ser-TGA    GUCGAUAUGUCCGAGUGGUU-AAGGAGACAGACUUGAAAUCUGU-UGGGCUAC----GCC 54
chr-1.trna492-Ser-TGA   GUCGAUAUGUCCGAGUGGUU-AAGGAGACAGACUUGAAAUCUGU-UGGGCUAC----GCC 54
chr-1.trna493-Ser-TGA   GUCGAUAUGUCCGAGUGGUU-AAGGAGACAGACUUGAAAUCUGU-UGGGCUAC----GCC 54
chr-1.trna494-Ser-TGA   GUCGAUAUGUCCGAGUGGUU-AAGGAGACAGACUUGAAAUCUGU-UGGGCUAC----GCC 54
chr-3.trna645-Ser-TGA   GUCGAUAUGUCCGAGUGGUU-AAGGAGACAGACUUGAAAUCUGU-UGGGCUAC----GCC 54
chr-5.trna471-Ser-TGA   GUCGAUAUGUCCGAGUGGUU-AAGGAGACAGACUUGAAAUCUGU-UGGGCUAC----GCC 54
chr-2.trna585-Ser-TGA   GUCGAUAUGUCCGAGUGGUU-AAGGAGACAGACUUGAAAUCUGU-UGGGCUAC----GCC 54
chr-4.trna61-Ser-TGA    GUUGAUAUGUCCGAGUGGUU-AAGGAGACAGACUUGAAAUCUGU-UGGGCUAC----GCC 54
chr-1.trna495-Ser-TGA   GUCGAUAUGUCCGAGUGGUC-AAGGAGACAGACUUGAAAUCUGU-UGGGCUUC----GCC 54
                        .........10........20........30........40........50.........

                        )).(((((.......)))))))))))).
chr-7.trna393-Ser-TGA   AUUGAGGGUUCGAAUCCCUCUCUCUCCCU 88
chr-2.trna608-Ser-TGA   AUCGAGGGUUCGAAUCCCUCUCUCUCCCU 88
chr-5.trna247-Ser-TGA   AUCAAGGGUUCAAAUCCCUCUCUCUCCCU 88
chr-4.trna112-Ser-TGA   AUCGAGGGUUCGAAUCCCUCUCUCUCCCU 88
chr-3.trna131-Ser-TGA   AACGGGGGUUUGAUUCCCUCUCCAUCUG 87
chr-1.trna464-Ser-TGA   ACCGGGGGUUCGAAUCCCUCUUCAUCCG 87
chr-1.trna104-Ser-TGA   ACCGGGGGUUCGAAUCCCUCUCCAUCCG 87
chr-2.trna376-Ser-TGA   ACCGGGGGUUCGAAUCCCUCUCCAUCCG 87
chr-3.trna542-Ser-TGA   ACCGGGGGUUCGAAUCCCUCUCCAUCCG 87
chr-4.trna241-Ser-TGA   ACCGGGGGUUCGAAUCCCUCUCCAUCCG 87
chr-5.trna5-Ser-TGA     ACCGGGGGUUCGAAUCCCUCUCCAUCCG 87
chr-7.trna220-Ser-TGA   ACCGGGGGUUCGAAUCCCUCUCCAUCCG 87
chr-7.trna183-Ser-TGA   ACCGGGGGUUCGAAUCCCUCUCCAUCCG 87
chr-4.trna295-Ser-TGA   CGCGCAGGUUCGAUCCCUGCUGUCGACG 82
chr-4.trna179-Ser-TGA   CGCGCAGGUUCGAUCCCUGCUGUCGACG 82
chr-1.trna66-Ser-TGA    CGCGCAGGUUCGAUCCCUGCUGUCGACG 82
chr-1.trna492-Ser-TGA   CGCGCAGGUUCGAUCCCUGCUGUCGACG 82
chr-1.trna493-Ser-TGA   CGCGCAGGUUCGAUCCCUGCUGUCGACG 82
chr-1.trna494-Ser-TGA   CGCGCAGGUUCGAUCCCUGCUGUCGACG 82
chr-3.trna645-Ser-TGA   CGCGCAGGUUCGAUCCCUGCUGUCGACG 82
chr-5.trna471-Ser-TGA   CGCGCAGGUUCGAUCCCUGCUGUCGACG 82
chr-2.trna585-Ser-TGA   CGCGCAGGUUCGAUCCCUGCUGUCGACG 82
chr-4.trna61-Ser-TGA    CGCGCAGGUUCGAUCCCUGCUGUUGAUG 82
chr-1.trna495-Ser-TGA   CGCGCAGGUUCGAUCCCUGCUGUCGACG 82
                        .........70........80.......
```