```
                                 (((((((..((((.......)))).................((((.((.....)).)))).
chr-G2.trna76-Cys-GCA    GGGUCCAUAGCUCAGUGGUAGAGCA------------UUUGACUGCAGAUCAAGAGGUC 47
chr-G2.trna77-Cys-GCA    GGGUCCAUAGCUCAGUGGUAGAGCA------------UUUGACUGCAGAUCAAGAGGUC 47
chr-G5.trna43-Cys-GCA    GGGUCCAUAGCUCAGUGGUAGAGCA------------UUUGACUGCAGAUCAAGAGGUC 47
chr-G5.trna52-Cys-GCA    GGGUCCAUAGCUCAGUGGUAGAGCA------------UUUGACUGCAGAUCAAGAGGUC 47
chr-G6.trna61-Cys-GCA    GGGUCCAUAGCUCAGUGGUAGAGCA------------UUUGACUGCAGAUCAAGAGGUC 47
chr-G5.trna32-Cys-GCA    GGGUCCAUAGCUCAGUGGUAGAGCA------------UUUGACUGCAGAUCAAGAGGUC 47
chr-G5.trna11-Cys-GCA    GGGUUCAUAGCUCAGUGGUAGAGCA------------UUUGACUGCAGAUCAAGAGGUC 47
chr-G4.trna12-Cys-GCA    GGGUCCAUAGCUCAGUGGUAGAGCA------------UUUGACUGCAGAUCAAGAGGUC 47
chr-G5.trna56-Cys-GCA    GGGUCCAUAGCUCAGUGGGAGAGCAUUUGAGUUGCAUGUUUGAUUGCAAAUCUUGAGGUC 60
chr-G5.trna57-Cys-GCA    GGGUCCAUAGCUCAGUGGUAGAGCAUUUGAGCUGCAUGUUUGAUUGCAAAUCUUGAGGUC 60
chr-G2.trna53-Cys-GCA    GGGUCCAUAGCUCAAUGGUAGAGCAUUUGAGCUGCAUGUUUGAUUGCAAAUCUUGAGGUC 60
chr-G2.trna49-Cys-GCA    GGGUCCAUAGCUCAGUGGUAGAGCAUUUGAGCUGCAUGUUUGAUUGCAAAUCUUGAGGUC 60
chr-G2.trna54-Cys-GCA    GGGUCCAUAGCUCAGUGGUAGAGCAUUUGAGCUGCAUGUUUGAUUGCAAAUCUUGAGGUC 60
chr-G2.trna58-Cys-GCA    GGGUCCAUAGCUCAGUGGUAGAGCAUUUGAGCUGCAUGUUUGAUUGCAAAUCUUGAGGUC 60
chr-G2.trna66-Cys-GCA    GGGUCCAUAGCUCAGUGGUAGAGCAUUUGAGCUGCAUGUUUGAUUGCAAAUCUUGAGGUC 60
chr-G5.trna55-Cys-GCA    GGGUCCAUAGCUCAGUGGUAGAGCAUUUGAGCUGCAUGUUUGAUUGCAAAUCUUGAGGUC 60
chr-G2.trna57-Cys-GCA    GGGUCCAUAGCUCAAUGGUAGAGCAUUUGAGCUGCAUGUUUGAUUGCAAAUCUUGAGGUC 60
chr-G2.trna55-Cys-GCA    GGGUCCAUAGCUCAGUGGUAGAGCAUUUGAGCUGUAUGUUUGAUUGCAAAUCUUGAGGUC 60
chr-G2.trna59-Cys-GCA    GGGUCCAUAGCUCAGUGGUAGAGCAUUUGAGCUGUAUGUUUGAUUGCAAAUCUUGAGGUC 60
chr-G1.trna92-Cys-GCA    GGGUCCAUAGCUCAGUGGUAGAGCAUUUGAGCUGCAUGUUUGAUUGCAAAUCUUGAGGUC 60
chr-G1.trna91-Cys-GCA    GGGUCCAUAGCUCAGUGGUAGAGCAUUUGAGCUGCAUGUUUGAUUGCAAAUCUUGAGGUC 60
chr-G2.trna52-Cys-GCA    GGGUCCAUAGCUCAGUGGUAGAGCAUUUGAGCUGCAUGUUUGAUUGCAAAUCUUGAGGUC 60
chr-G2.trna61-Cys-GCA    GGGUCCAUAGCUCAGUGGUAGAGCAUUUGAGCUGCAUGUUUGAUUGCAAAUCUUGAGGUC 60
chr-G2.trna63-Cys-GCA    GGGUCCAUAGCUCAGUGGUAGAGCAUUUGAGCUGCAUGUUUGAUUGCAAAUCUUGAGGUC 60
chr-G2.trna67-Cys-GCA    GGGUCCAUAGCUCAGUGGUAGAGCAUUUGAGCUGCAUGUUUGAUUGCAAAUCUUGAGGUC 60
chr-G2.trna71-Cys-GCA    GGGUCCAUAGCUCAGUGGUAGAGCAUUUGAGCUGCAUGUUUGAUUGCAAAUCUUGAGGUC 60
chr-G2.trna68-Cys-GCA    GGGUCCAUAGCUCAGUGGUAGAGCAUUUGAGCUGCAUGUUUGAUUGCAAAUCUUGAGGUC 60
chr-G2.trna70-Cys-GCA    GGGUCCAUAGCUCAGUGGUAGAGCAUUUGAGCUGCAUGUUUGAUUGCAAAUCUUAAGGUC 60
chr-G2.trna46-Cys-GCA    GGGUCCAUAGCUCAGCGGUAGAGCAUUUGAGCUGCAUGUUUGAUUGCAAAUCUUGAGGUC 60
chr-G5.trna53-Cys-GCA    GGGUCCAUAGCUUAGUUGUAGAGCAUUUGAGCUGCAUGUUUGAUUGCAAAUCUUAAGGUC 60
chr-G2.trna72-Cys-GCA    GGGUCCAGAGCUCAGUGGUAGAGCAUUUGAGCUGCAUGUUUGAUUGCAAAUCUUGAGGUC 60
                         .........10........20........30........40........50.........

                         (((((.......)))))))))))).
chr-G2.trna76-Cys-GCA    ACCGGUUCGAACCCGGUUGGGCCCU 72
chr-G2.trna77-Cys-GCA    ACCGGUUCGAACCCGGUUGGGCCCU 72
chr-G5.trna43-Cys-GCA    ACCGGUUCGAACCCGGUUGGGCCCU 72
chr-G5.trna52-Cys-GCA    ACCGGUUCGAACCCGGUUGGGCCCU 72
chr-G6.trna61-Cys-GCA    ACCGGUUCGAACCCGGUUGGGCCCU 72
chr-G5.trna32-Cys-GCA    ACCGGUUCGAACCCGGUUGGGCCCU 72
chr-G5.trna11-Cys-GCA    ACCGGUUCGAACCCGGUUGGGCCCU 72
chr-G4.trna12-Cys-GCA    ACCGGUUCGAUCCUGGUUGGGCCCU 72
chr-G5.trna56-Cys-GCA    AUCGGUUCGAACCCGGUUGGGCCCU 85
chr-G5.trna57-Cys-GCA    AUUGGUUCGAACCCGGUUGGGCCCU 85
chr-G2.trna53-Cys-GCA    AUCGGUUCGAACCCGGUUGGGCCCU 85
chr-G2.trna49-Cys-GCA    ACCGGUUCGAACCCGGUUGGGCCCU 85
chr-G2.trna54-Cys-GCA    ACCGGUUCGAACCCGGUUGGGCCCU 85
chr-G2.trna58-Cys-GCA    ACCGGUUCGAACCCGGUUGGGCCCU 85
chr-G2.trna66-Cys-GCA    ACCGGUUCGAACCCGGUUGGGCCCU 85
chr-G5.trna55-Cys-GCA    ACCGGUUCGAACCCGGUUGGGCCCU 85
chr-G2.trna57-Cys-GCA    AUCGGUUCGAACCCGGUUGGGCCCU 85
chr-G2.trna55-Cys-GCA    AUCGGUUCGAACCCGGUUGGGCCCU 85
chr-G2.trna59-Cys-GCA    AUCGGUUCGAACCCGGUUGGGCCCU 85
chr-G1.trna92-Cys-GCA    AUCGGUUCGAACCCGGUUGGGCCCU 85
chr-G1.trna91-Cys-GCA    AUCGGUUCGAACCCGGUUGGGCCCU 85
chr-G2.trna52-Cys-GCA    AUCGGUUCGAACCCGGUUGGGCCCU 85
chr-G2.trna61-Cys-GCA    AUCGGUUCGAACCCGGUUGGGCCCU 85
chr-G2.trna63-Cys-GCA    AUCGGUUCGAACCCGGUUGGGCCCU 85
chr-G2.trna67-Cys-GCA    AUCGGUUCGAACCCGGUUGGGCCCU 85
chr-G2.trna71-Cys-GCA    AUCGGUUCGAACCCGGUUGGGCCCU 85
chr-G2.trna68-Cys-GCA    AUCGGUUCGAACCCGGUUGGGCCCU 85
chr-G2.trna70-Cys-GCA    AUCGGUUCGAACCCGGUUGGGCCCU 85
chr-G2.trna46-Cys-GCA    ACCGGUUUGAACCCGGUUGGGCCCU 85
chr-G5.trna53-Cys-GCA    ACUGGUUCGAACCCGGUUGGGCCCU 85
chr-G2.trna72-Cys-GCA    ACCGGUUUGAACACGGUUGGGCCCU 85
                         .........70........80....
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