```
                                                  ((((.(.(..((((.........)))).((((((....).)))))).....(((((.....
chr-Lu13.trna86-Phe-GAA    GCUGGG-AUAGCUCAGAAGG-UAGAGCAGAGGACUGAAAAUCCUCGUGUCACCAGUUCAA 58
chr-Lu11.trna79-Phe-GAA    UCGGGG-AUAGCUCAGUUGG-GAGAGCGUCAGACUGAAGAUCUGAAGGUCGCGUGUUCGA 58
chr-Lu3.trna81-Phe-GAA     UCGGGG-AUAGCUCAGUUGG-GAGAGCGUCAGACUGAAGAUCUGAAGGUCGCGUGUUCGA 58
chr-Lu1.trna76-Phe-GAA     GCGGGG-AUAGCUCAGUUGG-GAGAGCGUCAGAUUGAAGAUUUGAAGGUUGCGUGUUCGA 58
chr-Lu1.trna75-Phe-GAA     GCGGGG-AUAGCUCAGUUGG-GAGAGCGUCAGACUGAAGAUCUGAAGGUCGCGUGUUCGA 58
chr-Lu1.trna103-Phe-GAA    GCGGGG-AUAGCUCAGUUGG-GAGAGCGUCAGACUGAAGAUCUGAAGGUCGCGUGUUCGA 58
chr-Lu8.trna51-Phe-GAA     GCGGGG-AUAGCUCAGUUGG-GAGAGCGUCAGACUGAAGAUCUGAAGGUCGCGUGUUCGA 58
chr-Lu6.trna64-Phe-GAA     GCGGGG-AUAGCUCAGUUGG-GAGAGCGUCAGACUGAAGAUCUGAAGGUCGCGUGUUCGA 58
chr-Lu13.trna3-Phe-GAA     GCGGGG-AUAGCUCAGUUGG-GAGAGCGUCAGACUGAAGAUCUGAAGGUCGCGUGUUCGA 58
chr-Lu13.trna24-Phe-GAA    GCGGGG-AUAGCUCAGUUGG-GAGAGCGUCAGACUGAAGAUCUGAAGGUCGCGUGUUCGA 58
chr-Lu5.trna58-Phe-GAA     GCGGGG-AUAGCUCAGUUGG-GAGAGCGUCAGACUGAAGAUCUGAAGGUCGCGUGUUCGA 58
chr-Lu13.trna77-Phe-GAA    GCGGGG-AUAGCUCAGUUGG-GAGAGCGUCAGACUGAAGAUCUGAAGGUCGCGUGUUCGA 58
chr-Lu5.trna41-Phe-GAA     GCGGGG-AUAGCUCAGUUGG-GAGAGCGUCAGACUGAAGAUCUGAAGGUCGCGUGUUCGA 58
chr-Lu4.trna63-Phe-GAA     GCGGGG-AUAGCUCAGUUGG-GAGAGCGUCAGACUGAAGAUCUGAAGGUCGCGUGUUCGA 58
chr-Lu4.trna45-Phe-GAA     GCGGGG-AUAGCUCAGUUGG-GAGAGCGUCAGACUGAAGAUCUGAAGGUCGCGUGUUCGA 58
chr-Lu4.trna39-Phe-GAA     GCGGGG-AUAGCUCAGUUGG-GAGAGCGUCAGACUGAAGAUCUGAAGGUCGCGUGUUCGA 58
chr-Lu4.trna7-Phe-GAA      GCGGGG-AUAGCUCAGUUGG-GAGAGCGUCAGACUGAAGAUCUGAAGGUCGCGUGUUCGA 58
chr-Lu13.trna82-Phe-GAA    GCGGGG-AUAGCUCAGUUGG-GAGAGCGUCAGACUGAAGAUCUGAAGGUCGCGUGUUCGA 58
chr-Lu14.trna32-Phe-GAA    GCGGGG-AUAGCUCAGUUGG-GAGAGCGUCAGACUGAAGAUCUGAAGGUCGCGUGUUCGA 58
chr-Lu3.trna31-Phe-GAA     GCGGGG-AUAGCUCAGUUGG-GAGAGCGUCAGACUGAAGAUCUGAAGGUCGCGUGUUCGA 58
chr-Lu2.trna70-Phe-GAA     GCGGGG-AUAGCUCAGUUGG-GAGAGCGUCAGACUGAAGAUCUGAAGGUCGCGUGUUCGA 58
chr-Lu2.trna55-Phe-GAA     GCGGGG-AUAGCUCAGUUGG-GAGAGCGUCAGACUGAAGAUCUGAAGGUCGCGUGUUCGA 58
chr-Lu15.trna1-Phe-GAA     GCGGGG-AUAGCUCAGUUGG-GAGAGCGUCAGACUGAAGAUCUGAAGGUCGCGUGUUCGA 58
chr-Lu15.trna30-Phe-GAA    GCGGGG-AUAGCUCAGUUGG-GAGAGCGUCAGACUGAAGAUCUGAAGGUCGCGUGUUCGA 58
chr-Lu2.trna13-Phe-GAA     GCGGGG-AUAGCUCAGUUGG-GAGAGCGUCAGACUGAAGAUCUGAAGGUCGCGUGUUCGA 58
chr-Lu1.trna28-Phe-GAA     GCGGGG-AUAGCUUAGUUGG-GAGAGCGUCAGACUGAAGAUCUGAAGGUCGCGUGUUCGA 58
chr-Lu2.trna19-Phe-GAA     GCGGGG-AUAGCUCAGUUGG-GAGAGCGUCAGACUGAAGAUCUGAAGGUCGCGUGUUUGA 58
chr-Lu2.trna26-Phe-GAA     GCGGGG-AUAGCUCAGUUGG-GAGAGCGUCAGACUGAAGAUUUGAAGGUCGCGUGUUCGA 58
chr-Lu5.trna53-Phe-GAA     GCGGGG-AUAGCUCAGUUGG-GAGAGCGUCAGACUGAAGAUUUGAAGGUCGCGUGUUCAA 58
chr-Lu6.trna28-Phe-GAA     GCGGGG-AUAGCUCAGUUGG-GAGAGCGUCAGACUGAAGAUCUGAAGGUGUAGUGUUCGA 58
chr-Lu13.trna43-Phe-GAA    GCGGGG-AUAGCUUAGUUGG-GAGAGCGUCAAAUUGAAGAUCUGAAGGUUGCAUGUUUGA 58
chr-Lu3.trna77-Phe-GAA     AGUGGGAAUAGCUCAGUUGG-GAGAGCGUCAAACUGAAGAUUUGAAGGUCGCGUGUUUGA 59
chr-Lu12.trna46-Phe-GAA    ACGGAG-AUAGCUCAAUUAG-CAGAAUAUUAAAUUGAAAAUCUAAAAGUCGUGUGUUCGA 58
chr-Lu6.trna55-Phe-GAA     GUUCAG-GUAGCUCAGCUGGUUAGAGCAAAGGACUGAAAAUCCUUGUCUCAGUGGUUCAA 59
chr-Lu10.trna10-Phe-GAA    GUUCAG-GUAGAUCAGCUGGCUAGAGCAAAGGACUGAAAAUCCUUAUGUUAGUGGUUCAA 59
                           .........10........20........30........40........50.........
                           ..)))))))..))))).
chr-Lu13.trna86-Phe-GAA    AUCUGGUUCCUGGUA 73
chr-Lu11.trna79-Phe-GAA    UCCACGCUCACCGCA 73
chr-Lu3.trna81-Phe-GAA     UCCACGCUCACCGCA 73
chr-Lu1.trna76-Phe-GAA     UCCACGCUCACCGCA 73
chr-Lu1.trna75-Phe-GAA     UCCACGCUCACCGCA 73
chr-Lu1.trna103-Phe-GAA    UCCACGCUCACCGCA 73
chr-Lu8.trna51-Phe-GAA     UCCACGCUCACCGCA 73
chr-Lu6.trna64-Phe-GAA     UCCACGCUCACCGCA 73
chr-Lu13.trna3-Phe-GAA     UCCACGCUCACCGCA 73
chr-Lu13.trna24-Phe-GAA    UCCACGCUCACCGCA 73
chr-Lu5.trna58-Phe-GAA     UCCACGCUCACCGCA 73
chr-Lu13.trna77-Phe-GAA    UCCACGCUCACCGCA 73
chr-Lu5.trna41-Phe-GAA     UCCACGCUCACCGCA 73
chr-Lu4.trna63-Phe-GAA     UCCACGCUCACCGCA 73
chr-Lu4.trna45-Phe-GAA     UCCACGCUCACCGCA 73
chr-Lu4.trna39-Phe-GAA     UCCACGCUCACCGCA 73
chr-Lu4.trna7-Phe-GAA      UCCACGCUCACCGCA 73
chr-Lu13.trna82-Phe-GAA    UCCACGCUCACCGCA 73
chr-Lu14.trna32-Phe-GAA    UCCACGCUCACCGCA 73
chr-Lu3.trna31-Phe-GAA     UCCACGCUCACCGCA 73
chr-Lu2.trna70-Phe-GAA     UCCACGCUCACCGCA 73
chr-Lu2.trna55-Phe-GAA     UCCACGCUCACCGCA 73
chr-Lu15.trna1-Phe-GAA     UCCACGCUCACCGCA 73
chr-Lu15.trna30-Phe-GAA    UCCACGCUCACCGCA 73
chr-Lu2.trna13-Phe-GAA     UCCACGCUCACCGCA 73
chr-Lu1.trna28-Phe-GAA     UCCACGCUCACCGCA 73
chr-Lu2.trna19-Phe-GAA     UCCACGCUCACCGCA 73
chr-Lu2.trna26-Phe-GAA     UCCAUGCUCACCGCA 73
chr-Lu5.trna53-Phe-GAA     UCCACGCUCACCGCA 73
chr-Lu6.trna28-Phe-GAA     UCCACGCUCACCGCA 73
chr-Lu13.trna43-Phe-GAA    UCCACGCUUGCCGCA 73
chr-Lu3.trna77-Phe-GAA     UCCAUGCU--CACUG 72
chr-Lu12.trna46-Phe-GAA    UCCACACACUCAAUA 73
chr-Lu6.trna55-Phe-GAA     AUACACUUCAGAGCG 74
chr-Lu10.trna10-Phe-GAA    AUCCACUUAUGAACG 74
                           .........70....
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