```
                                                  ((((.(.(..((((.........))).).(((((.......)))))).....(((...((.
chr-Lu11.trna79-Phe-GAA    UCGGGG-AUAGCUCAGUUGG-GAGAG-CGUCAGACUGAAGAUCUGAAGGUCGCG---UGU 54
chr-Lu3.trna81-Phe-GAA     UCGGGG-AUAGCUCAGUUGG-GAGAG-CGUCAGACUGAAGAUCUGAAGGUCGCG---UGU 54
chr-Lu1.trna76-Phe-GAA     GCGGGG-AUAGCUCAGUUGG-GAGAG-CGUCAGAUUGAAGAUUUGAAGGUUGCG---UGU 54
chr-Lu1.trna75-Phe-GAA     GCGGGG-AUAGCUCAGUUGG-GAGAG-CGUCAGACUGAAGAUCUGAAGGUCGCG---UGU 54
chr-Lu1.trna103-Phe-GAA    GCGGGG-AUAGCUCAGUUGG-GAGAG-CGUCAGACUGAAGAUCUGAAGGUCGCG---UGU 54
chr-Lu13.trna3-Phe-GAA     GCGGGG-AUAGCUCAGUUGG-GAGAG-CGUCAGACUGAAGAUCUGAAGGUCGCG---UGU 54
chr-Lu8.trna51-Phe-GAA     GCGGGG-AUAGCUCAGUUGG-GAGAG-CGUCAGACUGAAGAUCUGAAGGUCGCG---UGU 54
chr-Lu6.trna64-Phe-GAA     GCGGGG-AUAGCUCAGUUGG-GAGAG-CGUCAGACUGAAGAUCUGAAGGUCGCG---UGU 54
chr-Lu13.trna24-Phe-GAA    GCGGGG-AUAGCUCAGUUGG-GAGAG-CGUCAGACUGAAGAUCUGAAGGUCGCG---UGU 54
chr-Lu13.trna77-Phe-GAA    GCGGGG-AUAGCUCAGUUGG-GAGAG-CGUCAGACUGAAGAUCUGAAGGUCGCG---UGU 54
chr-Lu5.trna58-Phe-GAA     GCGGGG-AUAGCUCAGUUGG-GAGAG-CGUCAGACUGAAGAUCUGAAGGUCGCG---UGU 54
chr-Lu13.trna82-Phe-GAA    GCGGGG-AUAGCUCAGUUGG-GAGAG-CGUCAGACUGAAGAUCUGAAGGUCGCG---UGU 54
chr-Lu5.trna41-Phe-GAA     GCGGGG-AUAGCUCAGUUGG-GAGAG-CGUCAGACUGAAGAUCUGAAGGUCGCG---UGU 54
chr-Lu4.trna63-Phe-GAA     GCGGGG-AUAGCUCAGUUGG-GAGAG-CGUCAGACUGAAGAUCUGAAGGUCGCG---UGU 54
chr-Lu4.trna45-Phe-GAA     GCGGGG-AUAGCUCAGUUGG-GAGAG-CGUCAGACUGAAGAUCUGAAGGUCGCG---UGU 54
chr-Lu4.trna39-Phe-GAA     GCGGGG-AUAGCUCAGUUGG-GAGAG-CGUCAGACUGAAGAUCUGAAGGUCGCG---UGU 54
chr-Lu14.trna32-Phe-GAA    GCGGGG-AUAGCUCAGUUGG-GAGAG-CGUCAGACUGAAGAUCUGAAGGUCGCG---UGU 54
chr-Lu4.trna7-Phe-GAA      GCGGGG-AUAGCUCAGUUGG-GAGAG-CGUCAGACUGAAGAUCUGAAGGUCGCG---UGU 54
chr-Lu15.trna1-Phe-GAA     GCGGGG-AUAGCUCAGUUGG-GAGAG-CGUCAGACUGAAGAUCUGAAGGUCGCG---UGU 54
chr-Lu15.trna30-Phe-GAA    GCGGGG-AUAGCUCAGUUGG-GAGAG-CGUCAGACUGAAGAUCUGAAGGUCGCG---UGU 54
chr-Lu3.trna31-Phe-GAA     GCGGGG-AUAGCUCAGUUGG-GAGAG-CGUCAGACUGAAGAUCUGAAGGUCGCG---UGU 54
chr-Lu2.trna70-Phe-GAA     GCGGGG-AUAGCUCAGUUGG-GAGAG-CGUCAGACUGAAGAUCUGAAGGUCGCG---UGU 54
chr-Lu2.trna55-Phe-GAA     GCGGGG-AUAGCUCAGUUGG-GAGAG-CGUCAGACUGAAGAUCUGAAGGUCGCG---UGU 54
chr-Lu2.trna13-Phe-GAA     GCGGGG-AUAGCUCAGUUGG-GAGAG-CGUCAGACUGAAGAUCUGAAGGUCGCG---UGU 54
chr-Lu1.trna28-Phe-GAA     GCGGGG-AUAGCUUAGUUGG-GAGAG-CGUCAGACUGAAGAUCUGAAGGUCGCG---UGU 54
chr-Lu2.trna19-Phe-GAA     GCGGGG-AUAGCUCAGUUGG-GAGAG-CGUCAGACUGAAGAUCUGAAGGUCGCG---UGU 54
chr-Lu2.trna26-Phe-GAA     GCGGGG-AUAGCUCAGUUGG-GAGAG-CGUCAGACUGAAGAUUUGAAGGUCGCG---UGU 54
chr-Lu5.trna53-Phe-GAA     GCGGGG-AUAGCUCAGUUGG-GAGAG-CGUCAGACUGAAGAUUUGAAGGUCGCG---UGU 54
chr-Lu6.trna28-Phe-GAA     GCGGGG-AUAGCUCAGUUGG-GAGAG-CGUCAGACUGAAGAUCUGAAGGUGUAG---UGU 54
chr-Lu13.trna43-Phe-GAA    GCGGGG-AUAGCUUAGUUGG-GAGAG-CGUCAAAUUGAAGAUCUGAAGGUUGCA---UGU 54
chr-Lu13.trna86-Phe-GAA    GCUGGG-AUAGCUCAGAAGG-UAGAG-CAGAGGACUGAAAAUCCUCGUGUCACC---AGU 54
chr-Lu3.trna77-Phe-GAA     AGUGGGAAUAGCUCAGUUGG-GAGAG-CGUCAAACUGAAGAUUUGAAGGUCGCG---UGU 55
chr-Lu12.trna46-Phe-GAA    ACGGAG-AUAGCUCAAUUAG-CAGAA-UAUUAAAUUGAAAAUCUAAAAGUCGUG---UGU 54
chr-Lu10.trna10-Phe-GAA    GUUCAG-GUAGAUCAGCUGGCUAGAG-CAAAGGACUGAAAAUCCUUAUGUUAGU---GGU 55
chr-Lu6.trna55-Phe-GAA     GUUCAG-GUAGCUCAGCUGGUUAGAG-CAAAGGACUGAAAAUCCUUGUCUCAGU---GGU 55
chr-Lu4.trna32-Phe-AAA     GGCGGGAAUAGCUCAGUUGG-GAAAA-CUUCAGACUAAAAAUUUGAAGAUCGCG---UAU 55
chr-Lu10.trna20-Phe-AAA    GUUGAG-AUGGCCGAGUUGGUCUAAGACGCCAGAUUAAAAUUCUGGUCCGAAAGAACAUG 59
chr-Lu9.trna78-Phe-AAA     UAU-----UAGUUCAACUGGUUAGAA-CGUCGUGUUAAAAAUGUGAAGAUCACAGG-UUU 53
                           .........10........20........30........40........50.........

                           ......)))))))..))))
chr-Lu11.trna79-Phe-GAA    UCGAUCCACGCUCACCGCA 73
chr-Lu3.trna81-Phe-GAA     UCGAUCCACGCUCACCGCA 73
chr-Lu1.trna76-Phe-GAA     UCGAUCCACGCUCACCGCA 73
chr-Lu1.trna75-Phe-GAA     UCGAUCCACGCUCACCGCA 73
chr-Lu1.trna103-Phe-GAA    UCGAUCCACGCUCACCGCA 73
chr-Lu13.trna3-Phe-GAA     UCGAUCCACGCUCACCGCA 73
chr-Lu8.trna51-Phe-GAA     UCGAUCCACGCUCACCGCA 73
chr-Lu6.trna64-Phe-GAA     UCGAUCCACGCUCACCGCA 73
chr-Lu13.trna24-Phe-GAA    UCGAUCCACGCUCACCGCA 73
chr-Lu13.trna77-Phe-GAA    UCGAUCCACGCUCACCGCA 73
chr-Lu5.trna58-Phe-GAA     UCGAUCCACGCUCACCGCA 73
chr-Lu13.trna82-Phe-GAA    UCGAUCCACGCUCACCGCA 73
chr-Lu5.trna41-Phe-GAA     UCGAUCCACGCUCACCGCA 73
chr-Lu4.trna63-Phe-GAA     UCGAUCCACGCUCACCGCA 73
chr-Lu4.trna45-Phe-GAA     UCGAUCCACGCUCACCGCA 73
chr-Lu4.trna39-Phe-GAA     UCGAUCCACGCUCACCGCA 73
chr-Lu14.trna32-Phe-GAA    UCGAUCCACGCUCACCGCA 73
chr-Lu4.trna7-Phe-GAA      UCGAUCCACGCUCACCGCA 73
chr-Lu15.trna1-Phe-GAA     UCGAUCCACGCUCACCGCA 73
chr-Lu15.trna30-Phe-GAA    UCGAUCCACGCUCACCGCA 73
chr-Lu3.trna31-Phe-GAA     UCGAUCCACGCUCACCGCA 73
chr-Lu2.trna70-Phe-GAA     UCGAUCCACGCUCACCGCA 73
chr-Lu2.trna55-Phe-GAA     UCGAUCCACGCUCACCGCA 73
chr-Lu2.trna13-Phe-GAA     UCGAUCCACGCUCACCGCA 73
chr-Lu1.trna28-Phe-GAA     UCGAUCCACGCUCACCGCA 73
chr-Lu2.trna19-Phe-GAA     UUGAUCCACGCUCACCGCA 73
chr-Lu2.trna26-Phe-GAA     UCGAUCCAUGCUCACCGCA 73
chr-Lu5.trna53-Phe-GAA     UCAAUCCACGCUCACCGCA 73
chr-Lu6.trna28-Phe-GAA     UCGAUCCACGCUCACCGCA 73
chr-Lu13.trna43-Phe-GAA    UUGAUCCACGCUUGCCGCA 73
chr-Lu13.trna86-Phe-GAA    UCAAAUCUGGUUCCUGGUA 73
chr-Lu3.trna77-Phe-GAA     UUGAUCCAUGCU--CACUG 72
chr-Lu12.trna46-Phe-GAA    UCGAUCCACACACUCAAUA 73
chr-Lu10.trna10-Phe-GAA    UCAAAUCCACUUAUGAACG 74
chr-Lu6.trna55-Phe-GAA     UCAAAUACACUUCAGAGCG 74
chr-Lu4.trna32-Phe-AAA     UCCAUCCACACU--CGCUG 72
chr-Lu10.trna20-Phe-AAA    GCAAAACUCACUCUCAACA 78
chr-Lu9.trna78-Phe-AAA     AAAAUCUGUUGCAGCAAAG 72
                           .........70........
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