```
                                 (((((((..((((........)))).((((((....).)))))).....(((((.......
chr-Lu15.trna17-Tyr-GTA    GGGUCCAUAACUCAG-UGGUAAAGCAUUUGAUUGUAGAUCAAGAGGUCAAUAAUUUGAAC 59
chr-Lu6.trna44-Tyr-ATA     GGGUCCAUAGCUUAG-UGGUAGAAUAUUUGAUUAUAGAUCAAGAGAUCACAGAUUUAAAC 59
chr-Lu1.trna41-Tyr-GTA     CCGACCUUAGCUCAGUUGGUAGAGCGGAGGACUGUAGAUCCUUAGGUCGCUGGUUCGAAU 60
chr-Lu1.trna113-Tyr-GTA    CCGACCUUAGCUCAGUUGGUAGAGCGGAGGACUGUAGAUCCUUAGGUCGCUGGUUCGAAU 60
chr-Lu10.trna38-Tyr-GTA    CCGACCUUAGCUCAGUUGGUAGAGCGGAGGACUGUAGAUCCUUAGGUCGCUGGUUCGAAU 60
chr-Lu9.trna34-Tyr-GTA     CCGACCUUAGCUCAGUUGGUAGAGCGGAGGACUGUAGAUCCUUAGGUCGCUGGUUCGAAU 60
chr-Lu8.trna26-Tyr-GTA     CCGACCUUAGCUCAGUUGGUAGAGCGGAGGACUGUAGAUCCUUAGGUCGCUGGUUCGAAU 60
chr-Lu11.trna12-Tyr-GTA    CCGACCUUAGCUCAGUUGGUAGAGCGGAGGACUGUAGAUCCUUAGGUCGCUGGUUCGAAU 60
chr-Lu6.trna21-Tyr-GTA     CCGACCUUAGCUCAGUUGGUAGAGCGGAGGACUGUAGAUCCUUAGGUCGCUGGUUCGAAU 60
chr-Lu13.trna25-Tyr-GTA    CCGACCUUAGCUCAGUUGGUAGAGCGGAGGACUGUAGAUCCUUAGGUCGCUGGUUCGAAU 60
chr-Lu14.trna22-Tyr-GTA    CCGACCUUAGCUCAGUUGGUAGAGCGGAGGACUGUAGAUCCUUAGGUCGCUGGUUCGAAU 60
chr-Lu15.trna22-Tyr-GTA    CCGACCUUAGCUCAGUUGGUAGAGCGGAGGACUGUAGAUCCUUAGGUCGCUGGUUCGAAU 60
chr-Lu15.trna34-Tyr-GTA    CCGACCUUAGCUCAGUUGGUAGAGCGGAGGACUGUAGAUCCUUAGGUCGCUGGUUCGAAU 60
chr-Lu9.trna41-Tyr-GTA     CCGACCUUAGCUCAGUUGGUAGAGCGGAGGACUGUAGAUCCUUAGGUCACUGGUUCGAAU 60
chr-Lu10.trna29-Tyr-GTA    CCGACCUUAGCUCAGUUGGUAGAGCGGAGGACUGUAGAUCCUUAGGUCACUGGUUCGAAU 60
chr-Lu10.trna30-Tyr-GTA    CCGACCUUAGCUCAGUUGGUAGAGCGGAGGACUGUAGAUCCUUAGGUCACUGGUUCGAAU 60
chr-Lu14.trna67-Tyr-GTA    CCGACCUUAGCUCAGUUGGUAGAGCGGAGGACUGUAGAUCCUUAGGUCACUGGUUCGAAU 60
chr-Lu7.trna30-Tyr-GTA     CCGACCUUAGCUCAGUUGGUAGAGCGGAGGACUGUAGAUCCUUAGGUCACUGGUUCGAAU 60
chr-Lu2.trna32-Tyr-GTA     CCGACCUUAGCUCAGUUGGUAGAGCGGAGGACUGUAGAUCCUUAGGUCACUGGUUCGAAU 60
chr-Lu10.trna40-Tyr-GTA    CCGACCUUAGCUCAGUUGGUAGAGCGGAGGACUGUAGAUCCUUAGGUCACUGGUUCGAAU 60
chr-Lu2.trna71-Tyr-GTA     CCGACCUUAGCUCAGUUGGUAGAGCGGAGGACUGUAGAUCCUUAGGUCACUGGUUCGAAU 60
chr-Lu2.trna20-Tyr-GTA     CCGACCAUAGCUCAGUUGGUAGAGCGGAGGACUGUAGAUCCUUAGGUCACUGGUUCGAAU 60
chr-Lu2.trna27-Tyr-GTA     CCGACCUUAGCUCAGUUGGUAGAGCGGAGGACUGUAGAUCCUUAGGGCGCUGGUUCGAAU 60
chr-Lu15.trna32-Tyr-GTA    CCGACCUUAGCUCAGUUGGUAGAGCGGAGGAUUGUAGAUCCUUAGGUCAUUGGUUUGAAU 60
chr-Lu10.trna19-Tyr-GTA    CCGACCUUAGCUCAGUUGGUAGAGCGGAGGACUGUAGAUCCUUAGGUCACUGAUUCGAAU 60
chr-Lu11.trna65-Tyr-GTA    CCGACCUUAGCUCGGUUGGUAGAGCGGAGGAUUGUAGAUUCUUAGGUCAUUGGUUUGAAU 60
chr-Lu1.trna57-Tyr-GTA     CCGACCUUAGCUCAGUUGGAAGAGCGGAGUACUGUAGAUUCUUAGGUCACUGGUUUGAAC 60
chr-Lu1.trna7-Tyr-ATA      -UGCCAUUUGGUCUAGUGGUAUGGCUCUUGUUUAUAAUGCGAGAGGUCUUGAGUUUAAUU 59
                           .........10........20........30........40........50.........

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chr-Lu15.trna17-Tyr-GTA    UUGGUUUG---GCCCU 72
chr-Lu6.trna44-Tyr-ATA     UCGGUUGG---UCUCU 72
chr-Lu1.trna41-Tyr-GTA     CCGGCAGG---UCGGA 73
chr-Lu1.trna113-Tyr-GTA    CCGGCAGG---UCGGA 73
chr-Lu10.trna38-Tyr-GTA    CCGGCAGG---UCGGA 73
chr-Lu9.trna34-Tyr-GTA     CCGGCAGG---UCGGA 73
chr-Lu8.trna26-Tyr-GTA     CCGGCAGG---UCGGA 73
chr-Lu11.trna12-Tyr-GTA    CCGGCAGG---UCGGA 73
chr-Lu6.trna21-Tyr-GTA     CCGGCAGG---UCGGA 73
chr-Lu13.trna25-Tyr-GTA    CCGGCAGG---UCGGA 73
chr-Lu14.trna22-Tyr-GTA    CCGGCAGG---UCGGA 73
chr-Lu15.trna22-Tyr-GTA    CCGGCAGG---UCGGA 73
chr-Lu15.trna34-Tyr-GTA    CCGGCAGG---UCGGA 73
chr-Lu9.trna41-Tyr-GTA     CCGGUAGG---UCGGA 73
chr-Lu10.trna29-Tyr-GTA    CCGGUAGG---UCGGA 73
chr-Lu10.trna30-Tyr-GTA    CCGGUAGG---UCGGA 73
chr-Lu14.trna67-Tyr-GTA    CCGGUAGG---UCGGA 73
chr-Lu7.trna30-Tyr-GTA     CCGGUAGG---UCGGA 73
chr-Lu2.trna32-Tyr-GTA     CCGGUAGG---UCGGA 73
chr-Lu10.trna40-Tyr-GTA    CCGGUAGG---UCGGA 73
chr-Lu2.trna71-Tyr-GTA     CCGGUAGG---UCGGA 73
chr-Lu2.trna20-Tyr-GTA     CCGGUUGG---UCGGA 73
chr-Lu2.trna27-Tyr-GTA     CCGGCAGG---UCGGA 73
chr-Lu15.trna32-Tyr-GTA    CCGGUAGG---UCGGA 73
chr-Lu10.trna19-Tyr-GTA    CCGGUAGG---UCGGA 73
chr-Lu11.trna65-Tyr-GTA    UCGAUAGG---UCAGA 73
chr-Lu1.trna57-Tyr-GTA     CCGGUAGG---CCGGA 73
chr-Lu1.trna7-Tyr-ATA      CUCAAAAUGCCCCCAU 75
                           .........70.....
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