```
                                 ((((((((((...))))).....((.(.(((((.......)))))).).))))))).)
chr-Lu11.trna63-Ile-AAT    GGCCUAUUAGCUCAGCUGGUUAGAGCGUCGUGCUAAUAACGUGAAGGUCGCAGGUUCGAG 60
chr-Lu4.trna43-Ile-AAT     UGCCUAUUAGCUCAGCUGGUUAGAGCGUCGUGCUAAUAACGCGAAGGUCACAGGUUCGAG 60
chr-Lu8.trna28-Ile-AAT     GGCCUAUUAGCUCAGCUGGUUAGAGCGCCGUGCUAAUAACGCGAAGGUCACAGGUUCGAG 60
chr-Lu1.trna109-Ile-AAT    GGCCUAUUAGCUCAGCUGGUUAGAGCGUCGUGCUAAUAACGCGAAGGUCACAGGUUCGAG 60
chr-Lu1.trna93-Ile-AAT     GGCCUAUUAGCUCAGCUGGUUAGAGCGUCGUGCUAAUAACGCGAAGGUCACAGGUUCGAG 60
chr-Lu6.trna18-Ile-AAT     GGCCUAUUAGCUCAGCUGGUUAGAGCGUCGCGCUAAUAACGCGAAGGUCACAGGUUCGAG 60
chr-Lu10.trna37-Ile-AAT    GGCCUAUUAGCUCAGCUGGUUAGAGCGUCGUGCUAAUAACGCGAAGGUCACAGGUUCGAG 60
chr-Lu12.trna14-Ile-AAT    GGCCUAUUAGCUCAGCUGGUUAGAGCGUCGUGCUAAUAACGCGAAGGUCACAGGUUCGAG 60
chr-Lu1.trna49-Ile-AAT     GGCCUAUUAGCUCAGCUGGUUAGAGCGUCGUGCUAAUAACGCGAAGGUCACAGGUUCGAG 60
chr-Lu14.trna20-Ile-AAT    GGCCUAUUAGCUCAGCUGGUUAGAGCGUCGUGCUAAUAACGCGAAGGUCACAGGUUCGAG 60
chr-Lu3.trna37-Ile-AAT     GGCCUAUUAGCUCAGCUGGUUAGAGCGUCGUGCUAAUAACGCGAAGGUCACAGGUUCGAG 60
chr-Lu5.trna49-Ile-AAT     GGCCUAUUAGCUCAGCUGGUUAGAGCGUCGUGCUAAUAACGCGAAGGUCACAGGUUCGAG 60
chr-Lu4.trna26-Ile-AAT     GGCCUAUUAGCUCAGCUGGUUAGAGCGUCGUGCUAAUAACGCGAAGGUCACAGGUUCGAG 60
chr-Lu9.trna82-Ile-AAT     GGCCUAUUAGCUCAGCUGGUUAGAGCGUCGUGCUAAUAACGCGAAGGUCACAGGUUCGAG 60
chr-Lu5.trna23-Ile-AAT     GGCCUAUUAGCUCAGCUGGUUAGAGCGUCGUGCUAAUAACGCGAAGGUCACAGGUUCGAG 60
chr-Lu9.trna51-Ile-AAT     GGCCUAUUAGCUCAGCUGGUUAGAGCGUCGUGCUAAUAACGCGAAGGUCACAGGUUCGAG 60
chr-Lu13.trna57-Ile-AAT    GGCCUAUUAGCUCAGCUGGUUAGAGCGUCGUGCUAAUAACGCGAAGGUCACAGGUUCGAG 60
chr-Lu13.trna58-Ile-AAT    GGCCUAUUAGCUCAGCUGGUUAGAGCGUCGUGCUAAUAACGCGAAGGUCACAGGUUCGAG 60
chr-Lu6.trna59-Ile-AAT     GGCCUAUUAGCUCAGUUGGUUAGAGCGUCGUGCUAAUAACGCGAAGGUCACAGGUUCGAA 60
chr-Lu9.trna57-Ile-AAT     GGCCUAUUAGCUCAGUUGGUUAGAGCGUCGUGCUAAUAACGCGAAGGUCACAGGUUCGAG 60
chr-Lu5.trna27-Ile-AAT     GGCCCAUUAGCUCAGUUGGUUAGAGCGUGGUGCUAAUAACGCCAAGGUCACAGGUUCGAG 60
chr-Lu6.trna4-Ile-AAT      GGCCCAUUAGCUCAGUUGGUUAGAGCGUGGUGCUAAUAACGCCAAGGUCACAGGUUCGAG 60
chr-Lu4.trna51-Ile-AAT     GGCCCAUUAGCUCAGUUGGUUAGAGCGUGGUGCUAAUAACGCCAAGGUCAUAGGUUCGAG 60
chr-Lu5.trna39-Ile-AAT     GGCCUAUUAGCUCAGCUGGUUAGAGCGUUGUGCUAAUAACGCGAAGGUCACAGGUUCGAG 60
chr-Lu9.trna52-Ile-AAT     GGCCUAUUAGCUCAGCUGGUUAGAGCGUUGUGCUAAUAACGCGAAGGUCACAGGUUCGAG 60
chr-Lu8.trna30-Ile-AAT     GGCCUAUUAGCUCAGCUGGUUAGAGCGUUGUGCUAAUAACGCGAAGGUCACAGGUUCGAG 60
chr-Lu8.trna79-Ile-AAT     GGCCUAUUAGCUCAGCUGGUUAGAGCGUCAUGCUAAUAACGCGAAGGUCACAGGUUCGAG 60
chr-Lu3.trna38-Ile-AAT     GGCCUAUUAGCUCAACUGGUUAGAGCGUCGUGCUAAUAACGCGAAGGUCACAGGUUUGAG 60
chr-Lu6.trna72-Ile-AAT     GGCCUAUUAGCUCAGCUGGUUAGGACGUUGUGCUAAUAACGCGAAGGUGACAGGUUCGAG 60
chr-Lu10.trna32-Ile-AAT    GGCCUAUUAGCUCAGCUGUUUAGAGCGGCGUGCUAAUAUCGCGAAGAUCACAGGCUCGAG 60
chr-Lu9.trna46-Ile-AAT     AGCUUAUUAGCUCAGUUGGUUAAAGUGUUGUGAUAAUAACGCAAAUGUCACAAGUUCAAG 60
chr-Lu12.trna72-Ile-AAT    GGUAUAUUAGCUUAGUUGGUUUGAGCGUGAUGUUAAUAACGCCAAGGUCAUAAGUUUGAG 60
chr-Lu15.trna49-Ile-AAT    GCCUAUA-AGCUAAGUUGAUUAGAGCGUGGUGCUAAUAACGCCAAGAUCGUAGGUUCGAG 59
                           .........10........20........30........40........50.........

                           ))))))...)))))))).
chr-Lu11.trna63-Ile-AAT    ACCUGC---AUGGGCCA 74
chr-Lu4.trna43-Ile-AAT     ACCUGU---AUGGGCCA 74
chr-Lu8.trna28-Ile-AAT     ACCUGU---AUGGGCCA 74
chr-Lu1.trna109-Ile-AAT    ACCUGU---AUGGGCCA 74
chr-Lu1.trna93-Ile-AAT     ACCUGU---AUGGGCCA 74
chr-Lu6.trna18-Ile-AAT     ACCUGU---AUGGGCCA 74
chr-Lu10.trna37-Ile-AAT    ACCUGU---AUGGGCCA 74
chr-Lu12.trna14-Ile-AAT    ACCUGU---AUGGGCCA 74
chr-Lu1.trna49-Ile-AAT     ACCUGU---AUGGGCCA 74
chr-Lu14.trna20-Ile-AAT    ACCUGU---AUGGGCCA 74
chr-Lu3.trna37-Ile-AAT     ACCUGU---AUGGGCCA 74
chr-Lu5.trna49-Ile-AAT     ACCUGU---AUGGGCCA 74
chr-Lu4.trna26-Ile-AAT     ACCUGU---AUGGGCCA 74
chr-Lu9.trna82-Ile-AAT     ACCUGU---AUGGGCCA 74
chr-Lu5.trna23-Ile-AAT     ACCUGU---AUGGGCCA 74
chr-Lu9.trna51-Ile-AAT     ACCUGU---AUGGGCCA 74
chr-Lu13.trna57-Ile-AAT    ACCUGU---AUGGGUCA 74
chr-Lu13.trna58-Ile-AAT    ACCUGU---AUGGGUCA 74
chr-Lu6.trna59-Ile-AAT     ACCUGU---AUAGGCCA 74
chr-Lu9.trna57-Ile-AAT     ACCUGU---AUGGGCCA 74
chr-Lu5.trna27-Ile-AAT     ACCUGU---AUGGGCCA 74
chr-Lu6.trna4-Ile-AAT      ACUUGU---AUGGGCCA 74
chr-Lu4.trna51-Ile-AAT     ACCUGU---AUGGGCCA 74
chr-Lu5.trna39-Ile-AAT     ACCUGU---AUGGGCCA 74
chr-Lu9.trna52-Ile-AAT     ACCUGU---AUGGGCCA 74
chr-Lu8.trna30-Ile-AAT     ACCUGU---AUGGGCCA 74
chr-Lu8.trna79-Ile-AAT     ACCUGU---AUGGGCCA 74
chr-Lu3.trna38-Ile-AAT     ACUUGU---AUGGGCCA 74
chr-Lu6.trna72-Ile-AAT     ACCUGU---AUGGGCCA 74
chr-Lu10.trna32-Ile-AAT    ACCUGU---AUGGGCCA 74
chr-Lu9.trna46-Ile-AAT     ACUUGU---GUGGGCUG 74
chr-Lu12.trna72-Ile-AAT    AUUUGU---AUGAGCCA 74
chr-Lu15.trna49-Ile-AAT    ACCUAUGUAUAUGGACC 76
                           .........70......
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