```
                                 ....((((.((.......((((.........)))).(((((.......)))))).....((
chr-1.trna9-Phe-GAA      ----ACCGGGA----UC-GCUCAGUUGG-GAGAGCUUCAGACUGAAGAUCUGAAAGUCGC 50
chr-6.trna313-Phe-GAA    ----GAGGGGA----UA-GCUCAGUUGG-GAGAGCGUCAGACUGAAGAUCUGAAGGUUGC 50
chr-6.trna105-Phe-GAA    ----GCGGGGA----UA-GCUCAGUUGG-GAGAGCGUCAGACUGAAGAUCUGAAGGUCGC 50
chr-1.trna39-Phe-GAA     ----GCGGGGA----UA-GCUCAGUUGG-GAGAGCGUCAGACUGAAGAUCUGAAGGUCGC 50
chr-1.trna14-Phe-GAA     ----GCGGGGA----UA-GCUCAGUUGG-GAGAGCGUCAGACUGAAGAUCUGAAGGUCGC 50
chr-1.trna8-Phe-GAA      ----GCGGGGA----UA-GCUCAGUUGG-GAGAGCGUCAGACUGAAGAUCUGAAGGUCGC 50
chr-9.trna482-Phe-GAA    ----GCGGGGA----UA-GCUCAGUUGG-GAGAGCGUCAGACUGAAGAUCUGAAGGUCGC 50
chr-9.trna481-Phe-GAA    ----GCGGGGA----UA-GCUCAGUUGG-GAGAGCGUCAGACUGAAGAUCUGAAGGUCGC 50
chr-1.trna225-Phe-GAA    ----GCGGGGA----UA-GCUCAGUUGG-GAGAGCGUCAGACUGAAGAUCUGAAGGUCGC 50
chr-1.trna300-Phe-GAA    ----GCGGGGA----UA-GCUCAGUUGG-GAGAGCGUCAGACUGAAGAUCUGAAGGUCGC 50
chr-1.trna361-Phe-GAA    ----GCGGGGA----UA-GCUCAGUUGG-GAGAGCGUCAGACUGAAGAUCUGAAGGUCGC 50
chr-9.trna368-Phe-GAA    ----GCGGGGA----UA-GCUCAGUUGG-GAGAGCGUCAGACUGAAGAUCUGAAGGUCGC 50
chr-1.trna425-Phe-GAA    ----GCGGGGA----UA-GCUCAGUUGG-GAGAGCGUCAGACUGAAGAUCUGAAGGUCGC 50
chr-9.trna311-Phe-GAA    ----GCGGGGA----UA-GCUCAGUUGG-GAGAGCGUCAGACUGAAGAUCUGAAGGUCGC 50
chr-2.trna300-Phe-GAA    ----GCGGGGA----UA-GCUCAGUUGG-GAGAGCGUCAGACUGAAGAUCUGAAGGUCGC 50
chr-3.trna334-Phe-GAA    ----GCGGGGA----UA-GCUCAGUUGG-GAGAGCGUCAGACUGAAGAUCUGAAGGUCGC 50
chr-4.trna242-Phe-GAA    ----GCGGGGA----UA-GCUCAGUUGG-GAGAGCGUCAGACUGAAGAUCUGAAGGUCGC 50
chr-4.trna243-Phe-GAA    ----GCGGGGA----UA-GCUCAGUUGG-GAGAGCGUCAGACUGAAGAUCUGAAGGUCGC 50
chr-5.trna104-Phe-GAA    ----GCGGGGA----UA-GCUCAGUUGG-GAGAGCGUCAGACUGAAGAUCUGAAGGUCGC 50
chr-5.trna120-Phe-GAA    ----GCGGGGA----UA-GCUCAGUUGG-GAGAGCGUCAGACUGAAGAUCUGAAGGUCGC 50
chr-11.trna76-Phe-GAA    ----GCGGGGA----UA-GCUCAGUUGG-GAGAGCGUCAGACUGAAGAUCUGAAGGUCGC 50
chr-9.trna8-Phe-GAA      ----GCGGGGA----UA-GCUCAGUUGG-GAGAGCGUCAGACUGAAGAUCUGAAGGUCGC 50
chr-5.trna247-Phe-GAA    ----GCGGGGA----UA-GCUCAGUUGG-GAGAGCGUCAGACUGAAGAUCUGAAGGUCGC 50
chr-9.trna5-Phe-GAA      ----GCGGGGA----UA-GCUCAGUUGG-GAGAGCGUCAGACUGAAGAUCUGAAGGUCGC 50
chr-9.trna4-Phe-GAA      ----GCGGGGA----UA-GCUCAGUUGG-GAGAGCGUCAGACUGAAGAUCUGAAGGUCGC 50
chr-9.trna3-Phe-GAA      ----GCGGGGA----UA-GCUCAGUUGG-GAGAGCGUCAGACUGAAGAUCUGAAGGUCGC 50
chr-8.trna207-Phe-GAA    ----GCGGGGA----UA-GCUCAGUUGG-GAGAGCGUCAGACUGAAGAUCUGAAGGUCGC 50
chr-5.trna394-Phe-GAA    ----GCGGGGA----UA-GCUCAGUUGG-GAGAGCGUCAGACUGAAGAUCUGAAGGUCGC 50
chr-5.trna395-Phe-GAA    ----GCGGGGA----UA-GCUCAGUUGG-GAGAGCGUCAGACUGAAGAUCUGAAGGUCGC 50
chr-6.trna6-Phe-GAA      ----GCGGGGA----UA-GCUCAGUUGG-GAGAGCGUCAGACUGAAGAUCUGAAGGUCGC 50
chr-6.trna187-Phe-GAA    ----GCGGGGA----UA-GCUCAGUUGG-GAGAGCGUCAGACUGAAGAUCUGAAGGUCGC 50
chr-9.trna483-Phe-GAA    ----GCGGGGA----UA-GCUCAGUUGG-GAGAGCGUCAGACUGAAGAUCUGAAGGUCGC 50
chr-6.trna212-Phe-GAA    ----GCGGGGA----UA-GCUCAGUUGG-GAGAGCGUCAGACUGAAGAUCUGAAGGUCGC 50
chr-6.trna235-Phe-GAA    ----GCGGGGA----UA-GCUCAGUUGG-GAGAGCGUCAGACUGAAGAUCUGAAGGUCGC 50
chr-6.trna254-Phe-GAA    ----GCGGGGA----UA-GCUCAGUUGG-GAGAGCGUCAGACUGAAGAUCUGAAGGUCGC 50
chr-7.trna210-Phe-GAA    ----GCGGGGA----UA-GCUCAGUUGG-GAGAGCGUCAGACUGAAGAUCUGAAGGUCGC 50
chr-6.trna474-Phe-GAA    ----GCGGGGA----UA-GCUCAGUUGG-GAGAGCGUCAGACUGAAGAUCUGAAGGUCGC 50
chr-2.trna210-Phe-GAA    ----GCGGGGA----UA-GCUCAGUUGG-GAGAGCGUCAGACUGAAGAUCUGAAGGUCAC 50
chr-6.trna387-Phe-GAA    ----GCGGGGA----UA-GCUCAGUUGG-GAGAGCGUCAGACUGAAGAUCUGAAGGUCAC 50
chr-5.trna284-Phe-GAA    ----GCGGGGA----UA-GCUCAGUUGG-GAGAGCGUCAGACUGAAGAUCUGAAGGUCGC 50
chr-9.trna9-Phe-GAA      ----GCGGGGA----UA-GCUCAGUUGG-GAGAGCGUCAGACUGAAGAUCUGAAGGUUGC 50
chr-3.trna384-Phe-GAA    ----GCAGGGA----UA-GCUCAGUUGG-GAGAGCGUCAGACUGAAGAUCUGAAGGUCGC 50
chr-7.trna422-Phe-GAA    ----GCCGGGA----UA-GCUCAGUUGG-GAGAGCGUCAGACUGAAGAUCUGAAGUUCGC 50
chr-1.trna491-Phe-GAA    ----GCGUGGA----UA-GCUCAGUUGG-GAGAGCGUAGGACUGAAGAUCCUAAGGUCAG 50
chr-2.trna316-Phe-GAA    ----GCGGGGA----UA-GCUCAGUUGG-GAGAGCGUCAGACUGAAGAUCUGAAGGUCGC 50
chr-4.trna287-Phe-GAA    ----GCGGGGA----UA-GCUCAGUUGG-GAGAGCGUCAGACUGAAGAUCUGAAGGUCGC 50
chr-9.trna365-Phe-GAA    ----GCGGGGA----UA-ACUCAGUUGC-GAGAGCGUGAGACUGAAGAUCUUAAGGUCAG 50
chr-6.trna479-Phe-GAA    ----GCGGGGA----UA-GCUCAGUUGG-GAGAGCGUCAGACUGAAGAUCUGAAGGUCAG 50
chr-6.trna484-Phe-GAA    ----GCGGGGA----UA-GCUCAGUUGG-GAGAGCGUCAGACUGAAGAUCUGAAGGUCAG 50
chr-11.trna4-Phe-GAA     ----GCGGGGA----UA-GCUCAGUUGG-GAGAGCGUCAGACUGAAGAUCUGAAGGUCAG 50
chr-6.trna477-Phe-GAA    ----GCGGGGA----UA-GCUCAGUUGG-GAGAGCGUCAGACUGAAGAUCUGAAGGUCAG 50
chr-9.trna45-Phe-GAA     ----GCGGGGA----UA-GCUCAGUUGG-GAGAGCGUCAGACUGAAGAUCUGAAGGUCAG 50
chr-6.trna485-Phe-GAA    ----GCGGGGA----UA-GCUCAGUUGG-GAGAGCGUCAGACUGAAGAUCUGAAGGUCAG 50
chr-6.trna476-Phe-GAA    ----GCGGGGA----UA-GCUCAGUUGG-GAGAGCGUCAGACUGAAGAUCUGAAGGCCAG 50
chr-6.trna478-Phe-GAA    ----GCGGGGA----UA-GCUCAGUUAG-GAGAGCGUCAGACUGAAGAUCUGAAGGUCAG 50
chr-9.trna46-Phe-GAA     ----GCGGGGA----UA-GCUCAGUUGG-GAGAGCGUCAGACUGAAGAUCUGAAGGUCAG 50
chr-9.trna480-Phe-GAA    ----GAGGGGA----UA-GCUCAGUUGG-GAGAGCGUCAGACUGAAGAUCUGAAGGUCAG 50
chr-5.trna119-Phe-GAA    ----GCGGGGA----UA-GCUCAGUUGG-GAGAGCGUUACACUGAAGAUCUGGGGUCGC 50
chr-9.trna6-Phe-GAA      ----GUUGGGA----UA-GCUCAGUUGG-AAGAUCUUCAGACUGAAGAUCUGAAGGUCGC 50
chr-1.trna490-Phe-GAA    ----GCGGGGA----UA-GCUCAGUUGG-GAGAGCGUUAGACUGAAGAUCUGAAGCUCGU 50
chr-6.trna375-Phe-GAA    ----GCGGGGA----UA-GCUCAGUUGG-GAGAGCGUCAGACUGAAGAUCUGAAGGUCGC 50
chr-2.trna118-Phe-GAA    ----GCGGGGA----UA-GCUCAGUUGG-GAGAGCAUCAGACUGAAGAUAUGAAGGUCAC 50
chr-6.trna2-Phe-GAA      ----GCGGGGA----UA-GAUCAGUUGG-GAGAGCGUCAGACUGAAGAUUUGAAGGUCAG 50
chr-4.trna50-Phe-GAA     ----GCGGGGA----UG-GCUCAGUUGG-GAGAGCGUUAGACUGAAGAUUUGAAGGUCGC 50
chr-6.trna315-Phe-GAA    ----GUGGGAA----UA-GCUCAGUUGG-GAGAGCGUAGGACUGAAGAUCCUAACGUCAG 50
chr-5.trna103-Phe-GAA    ----GCGGGGA----UG-GUUCAGUUGG-GAGAGCGUCAGACUGAAGAUCUGAAGGUCGC 50
chr-1.trna549-Phe-GAA    ----GCCAUCU----UA-ACUCAAUUGG-UAGAGCGCAUGGCCGAAGGCCAUGUAGUUGU 50
chr-7.trna449-Phe-GAA    ---------GGG---UA-GCUCAGCUGGUUAGAGCAAAGGACUGAAAAUCCUUGUGUCAG 47
chr-2.trna271-Phe-GAA    ----GCUUGGG----UA-GCUCAGCUGGUUAGAGCAAAGGACUGAAAAUCCUUGUGUCAG 51
chr-11.trna72-Phe-GAA    ----GCUUGGG----UA-GCUCAGCUGGUUAGAGCAAAGGACUGAAAAUCCUUGUGUCAG 51
chr-9.trna179-Phe-GAA    ----GCUUGGG----UA-GCUCAGAUGGUUAGAGCAAAGGAAUGAAAAUCCUUGUGUCAG 51
chr-7.trna430-Phe-GAA    ----GCUUGGG----UA-GCUCAGAUGGUUAGAGAAAAGGACUGAAAAUCCUUGUGUUAG 51
chr-5.trna43-Phe-GAA     ----GCUUGGG----UA-GCUCAGCUGGUUAGAGCAAGGAUUGAAAAUCCUUGUGUCUG 51
chr-6.trna278-Phe-GAA    ----GCUUGGG----UA-GCUCAGCUGUUUAGAGCAAAGGACUGAAAAUCCUUGUGUCAG 51
chr-1.trna377-Phe-GAA    ----GCUUGGG----UA-GCUCAGCUGGUUAGAGCAAAGGACUGAAAAUCCUUGUGUCAG 51
chr-3.trna41-Phe-GAA     ----GCUUGGG----UA-GCUCUGCUAGUUAGAGCAAAGGACUGAAAAUCCUUGUGUCAG 51
chr-7.trna335-Phe-GAA    ----GCUUGGG----UA-UCUCAGUUGCUUAGAGCAAAGGACUGAAGAUCCUUAUGUCAG 51
chr-7.trna334-Phe-GAA    ----GCUUGGG----UA-UCUCAGUUGCUUAGAGCAAAUGACCGAAGAUCCUUAUGUCAG 51
chr-8.trna195-Phe-GAA    ----GCUUGGG----UA-GCUCAGUUGCUUAGAGAAAAUGACCGAAGAUCCUUAUGUCAG 51
chr-5.trna108-Phe-GAA    AGUGGCCUGGG----UA-GCUCAGCUGGUUAGAGCAAAGGACUGAAAAUCCUUGUGUCAG 55
chr-9.trna384-Phe-GAA    ----GUUGGGG----CA-GCUCAGUUGG-UAGAGCAGAGGACUGAAAAUCCUCGUGUCAC 50
chr-1.trna140-Phe-GAA    ----GUUGGGA----UA-GCUCAGUUGG-UAGAGCAGAGGACUGAAAAUCCUCGUGUCAC 50
chr-5.trna244-Phe-GAA    ----GUCAGGA----UA-GCUCAGCUGG-UAGAGCAGAGGACUGAAUAUCCUCGUGUCAC 50
chr-9.trna134-Phe-GAA    ----GUUGGGA----UA-GCUCAGUUGG-UAGAGAAGAGGACUGAAAAUCCUCGUGUCAC 50
chr-7.trna423-Phe-GAA    ----GUUGGGG----UA-GCUCAGUUGG-UAGAGCAGAGGACUGAAAAUCCUCGUGUCAC 50
chr-1.trna471-Phe-GAA    ----GUUGGGA----UA-GCUCAGUUGG-UAGAGCAGAGGACUGAAAAUCCUCGUGUCAC 50
chr-9.trna11-Phe-GAA     ----GUUGGGA----UG-GCUCAGUUGG-UAGAGCAGAGGACUGAAAAUCCUCAUGUCAC 50
chr-2.trna78-Phe-AAA     ----GUUUGGA----UA-GCUCAGUUGG-UAGAGCAGGGGACUAAAAGUCCUCGUGUCAC 50
chr-3.trna118-Phe-AAA    ----GUUGGGA----UA-GCUCAGUUGG-UAGAGCAGAGGACUAAAAGUCCUCGUGUCAC 50
chr-2.trna114-Phe-AAA    ----GGUUGGGA---UA-GCUCGGUUGG-UAAAGCAGAGGACUAAAUAUCCUCGUGUCAC 51
chr-1.trna277-Phe-AAA    ----AUAAUGA----UA-GCUCAGCUGG-UAGAGCAGAGGACUAAAUAUCCUCGUGUCAC 50
chr-6.trna231-Phe-GAA    ----GUUGGGA----UA-GCUCAGUUGA-UAGAGCAGAUGACUGAAAAUCCUCGUGUCAC 50
chr-9.trna381-Phe-GAA    ------GG-GA----UA-GGUCAGUUGG-GAGAGCUUCAGACUGAAAAUCUGAAGGUCGA 47
chr-8.trna165-Phe-GAA    ------GG-GA----UA-GCUCAGUUGG-GAGAGCGUGAGACUGAAGAUCUUAAGGUCGG 47
chr-6.trna466-Phe-GAA    ------GGAAA----AA-GCUCAGUUGG-GCGAGCGUAGGACUGAAGAUCCUAAGGUCAG 48
chr-6.trna214-Phe-GAA    ------GGGGA----UA-GCUCAGUUGG-GAGGGCGUAGGACUGAAGAUCCUAAGGUCAG 48
chr-7.trna3-Phe-AAA      ----GCAGUCG----UG-GUGUAGUUGGGUAUCACAUCUUCCCAAAACGGAGAAGGUCCC 51
chr-5.trna476-Phe-AAA    ----GAAUCUG----UG-GUGCAAUGG--UAGCACAACUGACUAAAUGUCAGAAAAU-GU 48
chr-6.trna3-Phe-GAA      ----GCGGGGAUAUAUU-GCUCAGUGGG-GAGAGCGUCAGACUGAAGAUCUGAAGGU--- 51
chr-9.trna250-Phe-GAA    ----GCGGGGAUA-----GCUCAGUUGG-GAGAGCGUCAGACUGAAGAUCUGAAGGU--- 47
chr-3.trna297-Phe-GAA    GCUAAGGGAAUCAAGUGCACUCAGCUGGUUAGAGCAAAGGACUGAAAAUCCUUGUGUUAG 60
chr-6.trna165-Phe-GAA    ----GGCGGCA----UG-GCCGAGUGGUCAGGCGGGGGAAGGAAAAUCCUUUA---CCC 48
                         .........10........20........30........40........50.........
                                 (((..............)))))))).)))))
chr-1.trna9-Phe-GAA      GUGUU-------CGAUCCACGCUCACCGCA 73
chr-6.trna313-Phe-GAA    GUGUU-------CGAUCCAUGCUUACCGCA 73
chr-6.trna105-Phe-GAA    GUGUU-------UGAUCCACGCUCAUCGCA 73
chr-1.trna39-Phe-GAA     GUGUU-------CGAUCCGCGCUCACCGCA 73
chr-1.trna14-Phe-GAA     GUGUU-------CGAUCCACGCUCACCGCA 73
chr-1.trna8-Phe-GAA      GUGUU-------CGAUCCACGCUCACCGCA 73
chr-9.trna482-Phe-GAA    GUGUU-------CGAUCCACGCUCACCGCA 73
chr-9.trna481-Phe-GAA    GUGUU-------CGAUCCACGCUCACCGCA 73
chr-1.trna225-Phe-GAA    GUGUU-------CGAUCCACGCUCACCGCA 73
chr-1.trna300-Phe-GAA    GUGUU-------CGAUCCACGCUCACCGCA 73
chr-1.trna361-Phe-GAA    GUGUU-------CGAUCCACGCUCACCGCA 73
chr-9.trna368-Phe-GAA    GUGUU-------CGAUCCACGCUCACCGCA 73
chr-1.trna425-Phe-GAA    GUGUU-------CGAUCCACGCUCACCGCA 73
chr-9.trna311-Phe-GAA    GUGUU-------CGAUCCACGCUCACCGCA 73
chr-2.trna300-Phe-GAA    GUGUU-------CGAUCCACGCUCACCGCA 73
chr-3.trna334-Phe-GAA    GUGUU-------CGAUCCACGCUCACCGCA 73
chr-4.trna242-Phe-GAA    GUGUU-------CGAUCCACGCUCACCGCA 73
chr-4.trna243-Phe-GAA    GUGUU-------CGAUCCACGCUCACCGCA 73
chr-5.trna104-Phe-GAA    GUGUU-------CGAUCCACGCUCACCGCA 73
chr-5.trna120-Phe-GAA    GUGUU-------CGAUCCACGCUCACCGCA 73
chr-11.trna76-Phe-GAA    GUGUU-------CGAUCCACGCUCACCGCA 73
chr-9.trna8-Phe-GAA      GUGUU-------CGAUCCACGCUCACCGCA 73
chr-5.trna247-Phe-GAA    GUGUU-------CGAUCCACGCUCACCGCA 73
chr-9.trna5-Phe-GAA      GUGUU-------CGAUCCACGCUCACCGCA 73
chr-9.trna4-Phe-GAA      GUGUU-------CGAUCCACGCUCACCGCA 73
chr-9.trna3-Phe-GAA      GUGUU-------CGAUCCACGCUCACCGCA 73
chr-8.trna207-Phe-GAA    GUGUU-------CGAUCCACGCUCACCGCA 73
chr-5.trna394-Phe-GAA    GUGUU-------CGAUCCACGCUCACCGCA 73
chr-5.trna395-Phe-GAA    GUGUU-------CGAUCCACGCUCACCGCA 73
chr-6.trna6-Phe-GAA      GUGUU-------CGAUCCACGCUCACCGCA 73
chr-6.trna187-Phe-GAA    GUGUU-------CGAUCCACGCUCACCGCA 73
chr-9.trna483-Phe-GAA    GUGUU-------CGAUCCACGCUCACCGCA 73
chr-6.trna212-Phe-GAA    GUGUU-------CGAUCCACGCUCACCGCA 73
chr-6.trna235-Phe-GAA    GUGUU-------CGAUCCACGCUCACCGCA 73
chr-6.trna254-Phe-GAA    GUGUU-------CGAUCCACGCUCACCGCA 73
chr-7.trna210-Phe-GAA    GUGUU-------CGAUCCACGCUCACCGCA 73
chr-6.trna474-Phe-GAA    GUGUU-------CGAUCCACGCUCACCGCA 73
chr-2.trna210-Phe-GAA    GUGUU-------CGAUCCACGUUCACCGCA 73
chr-6.trna387-Phe-GAA    GUGUU-------CGAUCCACGUUCACCGCA 73
chr-5.trna284-Phe-GAA    GUGUU-------CGAUCCAUGCUCACCGCA 73
chr-9.trna9-Phe-GAA      GUGUU-------CGAUCCACGUUCACCGCA 73
chr-3.trna384-Phe-GAA    GUGUU-------CGAUCCACGCUCACCGCA 73
chr-7.trna422-Phe-GAA    GUGUU-------CGAUCCACGCUCACCGCA 73
chr-1.trna491-Phe-GAA    GUGUU-------CGAUCCACCUUCACCGCA 73
chr-2.trna316-Phe-GAA    UUGUU-------CAAUCCACGCUCACCGCA 73
chr-4.trna287-Phe-GAA    GUGUU-------CGAUCCACGCUCACCUCA 73
chr-9.trna365-Phe-GAA    GUGUU-------CGAUCCACCUUCACCGCG 73
chr-6.trna479-Phe-GAA    GUGUU-------CGAUCCACCUUCACCGCA 73
chr-6.trna484-Phe-GAA    GUGUU-------CGAUCCACCUUCACCGCA 73
chr-11.trna4-Phe-GAA     GUGUU-------CGAUCCACCUUCACCGCA 73
chr-6.trna477-Phe-GAA    GUGUU-------CGAUCCACCUUCACCGCA 73
chr-9.trna45-Phe-GAA     GUGUU-------CGAUCCACCUUCACCGCA 73
chr-6.trna485-Phe-GAA    GUGUU-------CGAUCCACCUUCACCGCA 73
chr-6.trna476-Phe-GAA    GUGUU-------CGAUCCACCUUCACCGCA 73
chr-6.trna478-Phe-GAA    GUGUU-------CGAUCAACCUUCACCGCA 73
chr-9.trna46-Phe-GAA     GUGUU-------CGAUCCACCUUCACCACA 73
chr-9.trna480-Phe-GAA    GUUUU-------CGAUCCACCUUCACCGCA 73
chr-5.trna119-Phe-GAA    GUGUU-------CGAUCCACGCUCACCGCA 73
chr-9.trna6-Phe-GAA      GUGUU-------CGAUCCACGCUCACCGCA 73
chr-1.trna490-Phe-GAA    UUGUU-------UGAUCCACGCUCACCGCA 73
chr-6.trna375-Phe-GAA    GUGUA--------GAUCCACGCUCACCACA 72
chr-2.trna118-Phe-GAA    AUGAU-------UGAUCCACGUUCACCGCA 73
chr-6.trna2-Phe-GAA      GUGUU----GUCCGAUCCACCUUCACCGCA 76
chr-4.trna50-Phe-GAA     GUGUU---CAAUCCAUCCACACUCACCGCA 77
chr-6.trna315-Phe-GAA    GUGUU-------CGAUCCACCUU---CACA 70
chr-5.trna103-Phe-GAA    GUGUCUUGUGCUCGAUCCACGCUCCCCGCA 80
chr-1.trna549-Phe-GAA    GGGUU-------CGACUCCCACAUACGGCA 73
chr-7.trna449-Phe-GAA    UGGUU-------CAAAUCCACUUCUAAGCA 70
chr-2.trna271-Phe-GAA    UGGUU-------CAAAUCCACUUCUAAGCA 74
chr-11.trna72-Phe-GAA    UGGUU-------CAAAUCCACUUCUAAGCA 74
chr-9.trna179-Phe-GAA    UGGUU-------CAAAUCCACUUCUAAGCA 74
chr-7.trna430-Phe-GAA    UGGUU-------CAAAUCCACUUCUAAGCA 74
chr-5.trna43-Phe-GAA     UGGUU-------CAAAUCCACUUCUAAGCA 74
chr-6.trna278-Phe-GAA    UGGUU-------CAAAUCCACUUAUAAGCA 74
chr-1.trna377-Phe-GAA    UGGUU-------CAAAUCCACUUCUACGGA 74
chr-3.trna41-Phe-GAA     UGGUU-------CAAAUCCACUUCUAAUUU 74
chr-7.trna335-Phe-GAA    UGGUU-------CAAAUCCACUUCUAAGCA 74
chr-7.trna334-Phe-GAA    UGGUU-------CAAAUCCACUUCUAAGCA 74
chr-8.trna195-Phe-GAA    UGGUU-------CAAAUCCACUUUUAAGCA 74
chr-5.trna108-Phe-GAA    UGGUU-------CAAAUCCACUUCUAAUUU 78
chr-9.trna384-Phe-GAA    CAGUU-------CCAAUCUGGUUCCUGACA 73
chr-1.trna140-Phe-GAA    CAAUU-------CAAAUCUGGUUCCUGACA 73
chr-5.trna244-Phe-GAA    CAGUU-------CAAAUCUGGUUCCUGACA 73
chr-9.trna134-Phe-GAA    CAGUU-------CAAAUCUGGUUCCUGACA 73
chr-7.trna423-Phe-GAA    CAGUU-------CAAAUUUGGUUCCUGACA 73
chr-1.trna471-Phe-GAA    CAGUU-------CAAAUAUGUUUCCUGACA 73
chr-9.trna11-Phe-GAA     CAGUU-------UAAAUCUGGUUCCUGACA 73
chr-2.trna78-Phe-AAA     CAGUU-------CAAAUCUGGUUCCUGACA 73
chr-3.trna118-Phe-AAA    CAGUU-------CAAAUAUGG-UUCUGACA 72
chr-2.trna114-Phe-AAA    CAGUU-------CAAAUCUGGUUCCUGCCA 74
chr-1.trna277-Phe-AAA    CAGUU-------CAAAUCUGGUUCCUGACA 73
chr-6.trna231-Phe-GAA    CAAUU-------CAAAUCUGGUUACUGACA 73
chr-9.trna381-Phe-GAA    GUGUU-------CGAUCCACGCUCACCG-- 68
chr-8.trna165-Phe-GAA    GUGUU-------CGAUCCACCUUCACCU-- 68
chr-6.trna466-Phe-GAA    GUGUU-------CGAUCCACCUUAACCG-- 69
chr-6.trna214-Phe-GAA    GUGUC-------CGAUCCACCUUAACCG-- 69
chr-7.trna3-Phe-AAA      CAGUU-------CAAACCUGGGCGAAACCA 74
chr-5.trna476-Phe-AAA    GUGUU-------CGACUCACACUAGGUUCA 71
chr-6.trna3-Phe-GAA      ------------CGAUCCACCUUCACCGCA 69
chr-9.trna250-Phe-GAA    ------------CGCUCCACGCUCACCGCA 65
chr-3.trna297-Phe-GAA    UGGUU-------CAAAUCCACUUCUAAGCA 83
chr-6.trna165-Phe-GAA    CAGUU-------CAAAUCCGGGGUGCCGCCU 71
                         .........70........80.........
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