```
                                 (((((((.(...((((((..(((.(..(((((((...)))))))..).))).....))))
chr-9.trna114-Thr-AGT    GCUUUCAUAGCUCAGUUGGUCAGAGCA-CCCGUUUAGUAAGUGGGAGGUCUUGAGUUCAA 59
chr-9.trna115-Thr-AGT    GCUUUCAUAGCUCAGUUGGUCAGAGCA-CCCGUUUAGUAAGCGGGAGGUCUUGAGUUCAA 59
chr-1.trna485-Thr-AGT    GCUUUCAUAGCUCAGUUGGUUAGAGCA-CCCGUUUAGUAAGCGGGAGGUCUUGAGUUCAA 59
chr-11.trna208-Thr-AGT   GCUUUCAUAGCUCAGUUGGUUAGAGCA-CCCGUUUAGUAAGCGGGAGGUCUUGAGUUCAA 59
chr-1.trna510-Thr-AGT    GCUUUCAUAGCUCAGUUGGUUAGAGCA-CCCGUUUAGUAAGCGGGAGGUCUUGAGUUCAA 59
chr-3.trna46-Thr-AGT     GCUUUCAUAGCUCAGUUGGUUAGAGCA-CCCGUUUAGUAAGCGGGAGGUCUUGAGUUCAA 59
chr-9.trna314-Thr-AGT    GCUUUCAUAGCUCAGUUGGUUAGAGCA-CCCGUUUAGUAAGCGGGAGGUCUUGAGUUCAA 59
chr-9.trna290-Thr-AGT    GCUUUCAUAGCUCAGUUGGUUAGAGCA-CCCGUUUAGUAAGCGGGAGGUCUUGAGUUCAA 59
chr-3.trna48-Thr-AGT     GCUUUCAUAGCUCAGUUGGUUAGAGCA-CCCGUUUAGUAAGCGGGAGGUCUUGAGUUCAA 59
chr-4.trna51-Thr-AGT     GCUUUCAUAGCUCAGUUGGUUAGAGCA-CCCGUUUAGUAAGCGGGAGGUCUUGAGUUCAA 59
chr-5.trna126-Thr-AGT    GCUUUCAUAGCUCAGUUGGUUAGAGCA-CCCGUUUAGUAAGCGGGAGGUCUUGAGUUCAA 59
chr-7.trna137-Thr-AGT    GCUUUCGUAGCUCAGUUGAUUAGAGCA-CCCGUUUAGUAAGCGGGAGGUCUUGAGUUCAA 59
chr-5.trna211-Thr-AGT    GCUUUCAUAGCUCAGUUGGUUAGAGCA-CCCGUUUAGUAAGCGGGAGGUCUUGAGUUCAA 59
chr-5.trna355-Thr-AGT    GCUUUCAUAGCUCAGUUGGUUAGAGCA-CCCGUUUAGUAAGCGGGAGGUCUUGAGUUCAA 59
chr-8.trna67-Thr-AGT     GCUUUCAUAGCUCAGUUGGUUAGAGCA-CCCGUUUAGUAAGCGGGAGGUCUUGAGUUCAA 59
chr-5.trna396-Thr-AGT    GCUUUCAUAGCUCAGUUGGUUAGAGCA-CCCGUUUAGUAAGCGGGAGGUCUUGAGUUCAA 59
chr-7.trna18-Thr-AGT     GCUUUCAUAGCUCAGUUGGUUAGAGCA-CCCGUUUAGUAAGCGGGAGGUCUUGAGUUCAA 59
chr-7.trna34-Thr-AGT     GCUUUCAUAGCUCAGUUGGUUAGAGCA-CCCGUUUAGUAAGCGGGAGGUCUUGAGUUCAA 59
chr-8.trna42-Thr-AGT     GCUUUCAUAGCUCAGUUGGUUAGAGCA-CCCGUUUAGUAAGCGGGAGGUCUUGAGUUCAA 59
chr-7.trna419-Thr-AGT    GCUUUCAUAGCUCAGUUGGUUAGAGCA-CCCGUUUAGUAAGCGGGAGGUCUUGAGUUCAA 59
chr-4.trna35-Thr-AGT     GCUUUCAUAGCUCAGUUGGUUAGAGCA-CCUGUUUAGUAAGCGGGAGGUCUUGAGUUCAA 59
chr-8.trna52-Thr-AGT     GCUUUUAUAGCUCAGUUGGUUAGAGCA-CCCGUUUAGUAAGCGGGAGGUCUUGAGUUCAA 59
chr-6.trna54-Thr-AGT     GCUUUCAUAGCUUAGUUGGUUAGAGCA-CCCGUUUAGUAAGCGGGAGGUCUUGAGUUCAA 59
chr-6.trna236-Thr-AGT    GCUUUCAUAGCUCAGUUGGUUAGAGCA-CCCGUUUAGUAAGCGGGAGGUCUUGAGUUCAA 59
chr-8.trna43-Thr-AGT     GCUUUCAUAGCUCAGUUGGUUAGAGCA-CCCGUUUAGUAAGCGGGAGUUCUUGAGUUCAA 59
chr-4.trna34-Thr-AGT     GCUUUCAUAGCUCAGUUGGUUAGAGCA-CCCGUUUAGUAAGCGGGAGGUCUUGAAUUCAA 59
chr-9.trna333-Thr-AGT    GCUUUCAUAGCUCAGUUGGUUAGAGCA-CCCGUUUAGUAAGCGGGAGGUCUUGAGUUCAA 59
chr-3.trna353-Thr-AGT    GCUUUCAUAACUCAGUUGGUUAGAGCA-CUUGUUUAGUAAGCGGGAGGUCUUGAGUUCAG 59
chr-2.trna66-Thr-AGT     GCUUUCAUAGCUCAGUUGGUUAGAGCA-CCCGUUUAGUAAGCGGGAGGUCUUCAGUUCAA 59
chr-1.trna37-Thr-AGT     GCUUUCAUAGCUCAGUUGGUUAGAGCA-CCCGUUUAGUAAGCGGGAGGUCUUGAGUCCAA 59
chr-1.trna401-Thr-AGT    GCUUUCAUAGCUCAGUUGGUUAGAGCA-CCCGUUUAGUAAGCGGGAGGUCUUGAGUUCAA 59
chr-3.trna122-Thr-AGT    GCUUUCAUAGCUCAGUUGGUUAGAGCA-CCAGUUUAGUAAGCGGGAGGUCUUGAGUUCAA 59
chr-8.trna44-Thr-AGT     GCUUUCAUAGCUCAGUUGGUUAGAGCA-CCCGUUUAGUAAGCGGGAUGUCUUGAGUUCAA 59
chr-4.trna33-Thr-AGT     GUUAUCAUAUCUCAGUUGGUUAGAGCA-CCCGUUUAGUAAGUGGGAGGUCUUGAGUUCAA 59
chr-4.trna39-Thr-AGT     GCUUUCAUAUCUCAGUUGGUUAGAGCA-CCCGUUUAGUAAGCGGGAGAUCUUGAGCUCAA 59
chr-11.trna41-Thr-AGT    GCUUUCAUAGCUCAGUUGGUUACAGCA-UCCGUUUAGUAAGCGGGAGGUCUUGAGGUCAA 59
chr-9.trna119-Thr-AGT    GUUUUCAUAGCUCAGUUGGUUAGAGCA-CCGAUUUAGUAAGUGGGAGGUCUUUAGUUCAA 59
chr-8.trna144-Thr-AGT    GCUUUCAUAGCUUAGUUGGUUAGAGCA-CACGUUUAGUAAGCGGGAGGUCUUGAGUUCAA 59
chr-9.trna98-Thr-AGT     GCUUUCAUAGCUCAGUUGGUUAGAGCACCCCGUUUAGUAAGCGGGAGGUCUUGAGUUCAA 60
chr-1.trna526-Thr-AGT    CCUUUCAUAGCUCAGUUGGUUAGAGCA-CCCACUUAGUAAGUGGGAGGUCUGGAGUUUUA 59
chr-8.trna228-Thr-AGT    GCUUUCAUAGCUCAGUUGGUUAGAGCA-CCUGUUUAGUAAGCGGCAGGUCUUGAAUUCGA 59
chr-7.trna453-Thr-AGT    GCUUUCAUAGCUCAGUUGGUUAGAGCA-CCGGUUUAGUAAGCCGAAGGUCUUGAGUUUAU 59
chr-7.trna555-Thr-AGT    GC--UCAUAGCUCAGUUGGUUAGAGCA-CCCGUUUAGUAAGCGGGAGGUCUUGAGUUCAA 57
chr-11.trna261-Thr-AGT   GCUUUCAUAGCUCAGUUGGUUAGAGCA-CCCAUUUAGUAAGCGAGAGGUUUUGAGUUCAA 59
chr-6.trna191-Thr-AGT    GCUUUCAUAGCUCAGUUGGUUAGAGCA-CCCGUUUAGUAAGCGGGAGGUCUUGAGUUCAA 59
chr-7.trna143-Thr-AGT    UUCCUUUUAACUCAGCGG--UAGAGUA-ACGCCAUAGUAAGGCAUAAGUCAUCGGUUCAA 57
chr-1.trna56-Thr-AGT     GGGGAUGUAGCUCAGAUGG-UAGAGCG-CUCGCUUAGUAUGCGAGAGGUAUGGGGAUCGA 58
                         .........10........20........30........40........50.........
                         ))..).......)))))))).
chr-9.trna114-Thr-AGT    CUCUC------AAUGAAAGUA 74
chr-9.trna115-Thr-AGT    CUCUC------AAUGAAAGCA 74
chr-1.trna485-Thr-AGT    CUCUC------AAUGAAAGCA 74
chr-11.trna208-Thr-AGT   CUCUC------AAUGAAAGCA 74
chr-1.trna510-Thr-AGT    CUCUC------AAUGAAAGCA 74
chr-3.trna46-Thr-AGT     CUCUC------AAUGAAAGCA 74
chr-9.trna314-Thr-AGT    CUCUC------AAUGAAAGCA 74
chr-9.trna290-Thr-AGT    CUCUC------AAUGAAAGCA 74
chr-3.trna48-Thr-AGT     CUCUC------AAUGAAAGCA 74
chr-4.trna51-Thr-AGT     CUCUC------AAUGAAAGCA 74
chr-5.trna126-Thr-AGT    CUCUC------AAUGAAAGCA 74
chr-7.trna137-Thr-AGT    CUCUC------AACGAAAGCA 74
chr-5.trna211-Thr-AGT    CUCUC------AAUGAAAGCA 74
chr-5.trna355-Thr-AGT    CUCUC------AAUGAAAGCA 74
chr-8.trna67-Thr-AGT     CUCUC------AAUGAAAGCA 74
chr-5.trna396-Thr-AGT    CUCUC------AAUGAAAGCA 74
chr-7.trna18-Thr-AGT     CUCUC------AAUGAAAGCA 74
chr-7.trna34-Thr-AGT     CUCUC------AAUGAAAGCA 74
chr-8.trna42-Thr-AGT     CUCUC------AAUGAAAGCA 74
chr-7.trna419-Thr-AGT    CUCUC------AAUGAAAGCA 74
chr-4.trna35-Thr-AGT     CUCUC------AAUGAAAGCA 74
chr-8.trna52-Thr-AGT     UUCUC------AAUGAAAGCA 74
chr-6.trna54-Thr-AGT     CUCUC------AAUGAAAGCA 74
chr-6.trna236-Thr-AGT    CUCUU------AAUGAAAGCA 74
chr-8.trna43-Thr-AGT     CUCUC------AAUGAAAGCA 74
chr-4.trna34-Thr-AGT     CUCUC------AAUGAAAGCA 74
chr-9.trna333-Thr-AGT    CUCUC------AAUGAAAGCU 74
chr-3.trna353-Thr-AGT    CUCUC------AAUGAAAGCA 74
chr-2.trna66-Thr-AGT     CUCUC------AAUGAAAGCA 74
chr-1.trna37-Thr-AGT     CUCUG------AAUGAAAGCA 74
chr-1.trna401-Thr-AGT    CUCUC------AAUGAAAACA 74
chr-3.trna122-Thr-AGT    CUCUC------AAUGAAAGCA 74
chr-8.trna44-Thr-AGT     CUCUC------AAUGAAAGCA 74
chr-4.trna33-Thr-AGT     CUCUC------AAUGAAAGCA 74
chr-4.trna39-Thr-AGT     CUCUC------AAUGAAAGCA 74
chr-11.trna41-Thr-AGT    CUCUC------AAUGAAAGCA 74
chr-9.trna119-Thr-AGT    CUCUC------AAUGAAAGCA 74
chr-8.trna144-Thr-AGT    CACUC------AAUGAAAGCA 74
chr-9.trna98-Thr-AGT     CUCUC------AAUGAAAGAA 75
chr-1.trna526-Thr-AGT    CUCUC------AAUGAAAGCA 74
chr-8.trna228-Thr-AGT    CUCUA------AAUGAAAGCA 74
chr-7.trna453-Thr-AGT    CUCUC------AAUGAAAACA 74
chr-7.trna555-Thr-AGT    CUCUC------AAUGAAAGCA 72
chr-11.trna261-Thr-AGT   CUCUC------AAUAAAAGCA 74
chr-6.trna191-Thr-AGT    CUUUCAAUGAAAAUGAAAGCA 80
chr-7.trna143-Thr-AGT    AUCCG------AUAAGGGGCU 72
chr-1.trna56-Thr-AGT     UGCCC-----CUUUUUUGUCA 74
                         .........70........80
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