```
                                                  (.((((((..((((.........)))).(((((((...)))))))).....(((((.....
chr-2.trna29-Thr-GGT    G-CCUUUUUAACUCAGU--GGUAGAGUAACGCCAUGGUAAGGCGUAAGUCAUCGGUUCAA 57
chr-3.trna48-Thr-GGT    G-CCUUUUUAACUCAGU--GGUAGAGUAACGCCAUGGUAAGGCGUAAGUCAUCG-UUCAA 56
chr-2.trna70-Thr-CGT    G-CUUCCGUAGCAUAGU--GGUAGUGCGUUCGCUUCGUAAGCGAAAGGUCGCGAGUUCGA 57
chr-5.trna136-Thr-CGT   G-CCUCCGUAGCAUAGU--GGUAGUGCGUUCGCUUCGUAAGCGAAAGGUCGCGAGUUCGA 57
chr-2.trna69-Thr-CGT    G-CUUCCGUAGCAUAGU--GGUAGUGCGUUCGCUUCGUAAGCGAAAGGUUGCGAGUUCGA 57
chr-6.trna23-Thr-CGT    G-CUUCCAUAGCAUAGU--GGUAAUGCGUUCGCUUCGUAAGCGAAAAGUCGCGAGUUCGA 57
chr-5.trna12-Thr-CGT    G-CUUCUGUAGCAUAGU--GGUAGUGCGUUCGCUUCGUAAGCGAAAGGUCGUGAGUUCAA 57
chr-3.trna151-Thr-CGT   G-CUUCCGUAGCAUAGU--GGUAGUGCGUUCGCUUCGUAAGCGAAAGGUCGUGAGUUCGA 57
chr-11.trna16-Thr-TGT   G-CCCUUAUAGCUCAGU--GGUAGAGCGUCAGUCUUGUAAACUGAAGGUCCGUAGUUCGA 57
chr-1.trna8-Thr-TGT     G-CCCUUAUAGCUCAGU--GGUAGAGCGUCAGUCUUGUAAACUGAAGGUCCGUAGUUCGA 57
chr-11.trna1-Thr-TGT    G-CCCCUAUAGCUCAGU--GGUAGAGCGUCAGUCUUGUAAACUGAAGGUGUGUAGUUCGA 57
chr-1.trna78-Thr-TGT    G-CCCCUAUAGCUCAGU--GGUAGAGCGUCAGUCUUGUAAACUGAAGGUCUGUAGUUCGA 57
chr-2.trna37-Thr-TGT    G-CCCCUAUAGCUCAGU--GGUAGAGCGUCAGUCUUGUAAACUGAAGGUCUGUAGUUCGA 57
chr-2.trna79-Thr-TGT    G-CCCCUAUAGCUCAGU--GGUAGAGCGUCAGUCUUGUAAACUGAAGGUCUGUAGUUCGA 57
chr-2.trna83-Thr-TGT    G-CCCCUAUAGCUCAGU--GGUAGAGCGUCAGUCUUGUAAACUGAAGGUCUGUAGUUCGA 57
chr-7.trna48-Thr-TGT    G-CCCCUAUAGCUCAGU--GGUAGAGCGUCAGUCUUGUAAACUGAAGUUCUGUAGUUCGA 57
chr-10.trna3-Thr-AGT    G-CUUUUAUAGCUCAGUUGGUUAGAGCACCUAUUUAGUAAGCGGGAGGUCUUGAGUUUAA 59
chr-11.trna20-Thr-AGT   G-CUUUCAUAGCUCAGUUGGUUAGAGCACCCGUUUAGUAAGCGAGAGGUCUUGAGUUCAA 59
chr-2.trna115-Thr-AGT   G-CUUUCAUAGCUCAGUUGGUUAGAGCACCCGUUUAGUAAGCGGGAGGUCUUGAGUUCAA 59
chr-5.trna127-Thr-AGT   G-CUUUCAUAGCUCAGUUGGUUAGAGCACCCGUUUAGUAAGCGGGAGGUCUUGAGUUCAA 59
chr-6.trna74-Thr-AGT    G-CUUUCAUAGCUCAGUUGGUUAGAGCACCCGUUUAGUAAGCGGGAGGUCUUGAGUUCAA 59
chr-11.trna23-Thr-AGT   G-CUUUCAUAGCUCAGUUGGUUAGAGCACCCGUUUAGUAAGCGGGAGGUCUUGAGUUCAA 59
chr-1.trna58-Thr-AGT    G-CUCUCGUAGCUCAGUUGGUUAGAGCACCCGUUUAGUAAGCGGGAGGUCUUGAGUUCGA 59
chr-2.trna19-Thr-AGT    G-CUCUCGUAGCUCAGUUGGUUAGAGCACCCGUUUAGUAAGCGGGAGGUCUUGAGUUCGA 59
chr-2.trna51-Thr-AGT    G-CUCUCGUAGCUCAGUUGGUUAGAGCACCCGUUUAGUAAGCGGGAGGUCUUGAGUUCGA 59
chr-9.trna23-Thr-AGT    G-CUCUCGUAGCUCAGUUGGUUAGAGCACCCGUUUAGUAAGCGGGAGGUCUUGAGUUCGA 59
chr-7.trna55-Thr-AGT    G-CUUUCAUAGCUCAGUUGGUUAGAGCACCCGUUUAGUAAGCGGGAGGUCUUGAGUUCGA 59
chr-6.trna67-Thr-AGT    G-CUUUCAUAGGUCAGUUGGUUAGAGCACCUGUUUAGUAAGCGGGAGGUCUUGAUUUCAA 59
chr-3.trna18-Thr-AGT    G-CUCUCGUAGCUCAGUUGGUUAGAGCACCCGUUUAGUAAGCGGGAGGUCUUGAGUUCCA 59
chr-3.trna22-Thr-AGT    G-CUCUCGUAGCUCAGCUGGUUAGAGCACCCGUUUAGUAAGCGGGAGGUCUUGAGUUCGA 59
chr-11.trna22-Thr-AGT   G-CUUUCAUAGUUCAAUUGGUUAGAGCACCCGUUUAGUAAGCGGGAGG---UGAGUUCAA 56
chr-6.trna26-Thr-CGT    G-GGAUGGUGGCGCAGUUGGCUUGCGCAUAGGUCUCGUAAUCCUGAGGUCGAGAGUUCGA 59
chr-4.trna69-Thr-GGT    GACAUUUUUAACUCAGU--GGUAGAGUAACGCCAUGGUAAGGCAUAAGUCAUCGGUUCAA 58
                        .........10........20........30........40........50.........

                        ..)))))))))))).
chr-2.trna29-Thr-GGT    AUUCGAUAAAGGGCU 72
chr-3.trna48-Thr-GGT    AUCCGAUAAGGGGCU 71
chr-2.trna70-Thr-CGT    UCCUCGCCGGGAGCU 72
chr-5.trna136-Thr-CGT   UCCUCGCCGGGGGCU 72
chr-2.trna69-Thr-CGT    UCCUCGCCGGGAGCU 72
chr-6.trna23-Thr-CGT    UCCUCGCUGGGAGCU 72
chr-5.trna12-Thr-CGT    UUCUCGCCGGGAGCU 72
chr-3.trna151-Thr-CGT   UCCUCGCUGGGAGCU 72
chr-11.trna16-Thr-TGT   UCCUGCGUGAGGGCA 72
chr-1.trna8-Thr-TGT     UCCUGCGUGAGGGCA 72
chr-11.trna1-Thr-TGT    UCCUGCAUGGGGGCA 72
chr-1.trna78-Thr-TGT    UCCUGCAUGGGGGCA 72
chr-2.trna37-Thr-TGT    UCCUGCAUGGGGGCA 72
chr-2.trna79-Thr-TGT    UCCUGCAUGGGGGCA 72
chr-2.trna83-Thr-TGT    UCCUGCAUGGGGGCA 72
chr-7.trna48-Thr-TGT    UCCUGCAUGGGGGCA 72
chr-10.trna3-Thr-AGT    CUCUCAAUGAAAGCA 74
chr-11.trna20-Thr-AGT   CUCUCAAUGAAAGCA 74
chr-2.trna115-Thr-AGT   CUCUCAAUGAAAGCA 74
chr-5.trna127-Thr-AGT   CUCUCAAUGAAAGCA 74
chr-6.trna74-Thr-AGT    CUCUCAAUGAAAGCA 74
chr-11.trna23-Thr-AGT   CUCUCAAUGAAAGCA 74
chr-1.trna58-Thr-AGT    CUCUCAACGAGAGCA 74
chr-2.trna19-Thr-AGT    CUCUCAACGAGAGCA 74
chr-2.trna51-Thr-AGT    CUCUCAACGAGAGCA 74
chr-9.trna23-Thr-AGT    CUCUCAACGAGAGCA 74
chr-7.trna55-Thr-AGT    CUCUCAAUGAAAGCA 74
chr-6.trna67-Thr-AGT    CUCUCAAUGGAAGCA 74
chr-3.trna18-Thr-AGT    CUCUCAAUGAGAGCA 74
chr-3.trna22-Thr-AGT    CUCUCAACGAGAGCA 74
chr-11.trna22-Thr-AGT   CUCUCAAUGAAAGCA 71
chr-6.trna26-Thr-CGT    GCCUCUCUCACCCCA 74
chr-4.trna69-Thr-GGT    AUUCGAUGAGGGGCU 73
                        .........70....
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