```
                         ((((.((((..(..(((.........)))).(((((((...)))))))).....(((((...
chr-2.trna94-Thr-AGT     GCUC-UCGUAG--CUCAGUUGGUUAGAGCACCCGUUUAGUAAGCGGGAGGUCUUGAGUUC 57
chr-3.trna38-Thr-AGT     GCUC-UCGUAG--CUCAGUUGGUUAGAGCACCCGUUUAGUAAGCGGGAGGUCUUGAGUUC 57
chr-1.trna9-Thr-AGT      GCUC-UCGUAG--CUCAGUUGGUUAGAGCACCCGUUUAGUAAGCGGGAGGUCUUGAGUUC 57
chr-5.trna3-Thr-AGT      GCUC-UCGUAG--CUCAGUUGGUUAGAGCACCCGUUUAGUAAGCGGGAGGUCUUGAGUUC 57
chr-6.trna6-Thr-AGT      GCUC-UCGUAG--CUCAGUUGGUUAGAGCACCCGUUUAGUAAGCGGGAGGUCUUGAGUUC 57
chr-7.trna54-Thr-AGT     GCUC-UCGUAG--CUCAGUUGGUUAGAGCACCCGUUUAGUAAGCGGGAGGUCUUGAGUUC 57
chr-4.trna84-Thr-AGT     GCUC-UCGUAG--CUCAGUUGGUUAGAGCACCUGUUUAGUAAGCGGGAGGUCUUGAGUUC 57
chr-1.trna43-Thr-AGT     GCUU-UCAUAG--CUCAGUUGGUUAGAGCACCCGUUUAGUAAGCGGGAGGUCUUGAGUUC 57
chr-2.trna32-Thr-AGT     GCUU-UCAUAG--CUCAGUUGGUUAGAGCACCCGUUUAGUAAGCGGGAGGUCUUGAGUUC 57
chr-6.trna19-Thr-AGT     GCUU-UCAUAG--CUCAGUUGGUUAGAGCACCCGUUUAGUAAGCGGGAGGUCUUGAGUUC 57
chr-2.trna100-Thr-AGT    GCUU-UCAUAG--CUCAGUUGGUUAGAGCACCCGUUUAGUAAGCGGGAGGUCUUGAGUUC 57
chr-2.trna109-Thr-AGT    GCUU-UCAUAG--CUCAGUUGGUUAGAGCACCCGUUUAGUAAGCGGGAGGUCUUGAGUUC 57
chr-3.trna146-Thr-AGT    GCUU-UCAUAG--CUCAGUUGGUUAGAGCACCCGUUUAGUAAGCGGGAGGUCUUGAGUUC 57
chr-4.trna65-Thr-AGT     GCUU-UCAUAG--CUCAGUUGGUUAGAGCACCCGUUUAGUAAGCGGGAGGUCUUGAGUUC 57
chr-7.trna85-Thr-AGT     GCUU-UCAUAG--CUCAGUUGGUUAGAGCACCCGUUUAGUAAGCGGGAGGUCUUGAGUUC 57
chr-2.trna95-Thr-AGT     GCUC-UUGUAG--CUCAGUUGGUUAGAGCACUUGUUUAGUAAGCGGGAGGUCUUGAAUUC 57
chr-4.trna171-Thr-AGT    GCUC-UCAUAGCUCUCAGUUGGUUAGAUCACCCGUUUAGUAAGCGGGACGUCUUGAGUUC 59
chr-4.trna16-Thr-TGT     GCCC-GCUUAG--CUCAG-AGGUUAGAGCAUCGCAUUUGUAAUGCGAUGGUCAUCGGUUC 56
chr-4.trna26-Thr-TGT     GCCC-GCUUAG--CUCAG-AGGUUAGAGCAUCGCAUUUGUAAUGCGAUGGUCAUCGGUUC 56
chr-6.trna1-Thr-TGT      GCCC-GCUUAG--CUCAG-AGGUUAGAGCAUCGCAUUUGUAAUGCGAUGGUCAUCGGUUC 56
chr-6.trna12-Thr-TGT     GCCC-GCUUAG--CUCAG-AGGUUAGAGCAUCGCAUUUGUAAUGCGAUGGUCAUCGGUUC 56
chr-7.trna114-Thr-TGT    GCCC-GCUUAG--CUCAG-AGGUUAGAGCAUCGCAUUUGUAAUGCGAUGGUCAUCGGUUC 56
chr-5.trna99-Thr-TGT     GCCC-CUAUAG--CUCAGU--GGUAGAGCGCCAGUCUUGUAAACUGGAGGUCUGUAGUUC 55
chr-7.trna103-Thr-TGT    GCCC-UUAUAG--CUCAGU--GGUAGAGCGUCAGUCUUGUAAACUGAAGGUCUGUAGUUC 55
chr-7.trna115-Thr-TGT    GCCC-CUAUAG--CUUAGU--GGUAGAGCGCCAGUCUUGUAAACUGGAGGUCUGUAGUUC 55
chr-8.trna74-Thr-TGT     GCCC-UUAUAG--CUCAGU--GGUAGAGCGUCAGUCUUGUAAACUGAAGGUCCAUAGUUC 55
chr-1.trna83-Thr-TGT     GCCC-UUAUAG--CUCAGU--GGUAGAGCAUCAGUCUUGUAAACUGAAGGUCCGUAGUUC 55
chr-7.trna102-Thr-TGT    GCCC-UUAUAG--CUCAGU--GGUAGAGCGUCAGUCUUGUAAACUGAAGGUCCGUAGUUC 55
chr-8.trna48-Thr-TGT     GCCC-UUAUAG--CUCAGU--GGUAGAGCGUCAGUCUUGUAAACUGAAGGUCCGUAGUUC 55
chr-4.trna41-Thr-TGT     GCCC-UUAUAG--CUCAGU--GGUAGAGCGUCAGUCUUGUAAACUGAAGGUCCGUAGUUC 55
chr-4.trna61-Thr-TGT     GCCC-UUAUAG--CUCAGU--GGUAGAGCGUCAGUCUUGUAAACUGAAGGUCCGUAGUUC 55
chr-2.trna61-Thr-TGT     GCCC-UUAUAG--CUCAGU--GGUAGAGCGCCAGUCUUGUAAACUGGAGGUCCGUAGUUC 55
chr-5.trna4-Thr-TGT      GCCC-UUAUAG--CUCAGU--GGUAGAGCGCCAGUCUUGUAAACUGGAGGUCCGUAGUUC 55
chr-8.trna1-Thr-TGT      GCCC-UUAUAG--CUCAGU--GGUAGAGCGCCAGUCUUGUAAACUGAAGGUCCGCAGUUC 55
chr-8.trna19-Thr-GGT     GCCC-CUUUAA--CUCAGU--GGUAGAGUAACGCCAUGGUAAGGCGUAAGUCAUCGGUUC 55
chr-4.trna153-Thr-GGT    GCCC-CUUUAA--CUCAGU--GGUAGAGUAACGCCAUGGUAAGGCGUAAGUCAUCGGUUC 55
chr-4.trna34-Thr-GGT     GCCC-CUUUAA--CUCAGU--GGUAGAGUAACGCCAUGGUAAGGCGUAAGUCAUCGGUUC 55
chr-5.trna47-Thr-GGT     GCCC-CUUUAA--CUCAGU--GGUAGAGUAACGCCAUGGUAAGGCGUAAGUCAUCGGUUC 55
chr-3.trna133-Thr-GGT    GCCC-CUUUAA--CUCAGU--GGUAGAGUAACGUCAUGGUAAGGUGUAAGUCAUCGGUUC 55
chr-4.trna167-Thr-GGT    GCCC-UUU-AA--CUCAGU--GGUAGAGUAACGCCAUGGUAAGGCGUAAGUCAUCGGUUC 54
chr-4.trna106-Thr-CGT    GCCU-CCGUAG--CAUAGU--GGUAUUGCGUUCGCUUCGUAAGCGAAAGGUCGUGAGUUC 55
chr-4.trna88-Thr-CGT     GCUU-CCAUAG--CAUAGU--GGUAGUGCGUUCCCUUCGUAAGGGAAAGGUCGCGAGUUC 55
chr-4.trna124-Thr-CGT    GCUU-CCGUAG--CAUAGU--GGUAGUGCGUUCGCUUCGUAAGCGAAAGGUCGCGAGUUC 55
chr-7.trna21-Thr-TGT     GCUCAUCUUAUAGCUCAGU--GGUAGAGCGCCAGUCCUGUAAACUGAAGGUCCGUAGUUC 58
chr-4.trna14-Thr-AGT     GCCUCUCGUAG--CUCAUUUGGUUAGAGCACCCGUUUAGUAAGCGGGAGGUC------UC 52
                         .........10........20........30........40........50.........

                         ....)))))))))))).
chr-2.trna94-Thr-AGT     AACUCUCAACGAGAGCA 74
chr-3.trna38-Thr-AGT     AACUCUCAACGAGAGCA 74
chr-1.trna9-Thr-AGT      AACUCUCAACGAGAGCA 74
chr-5.trna3-Thr-AGT      AACUCUCAACGAGAGCA 74
chr-6.trna6-Thr-AGT      AACUCUCAACGAGAGCA 74
chr-7.trna54-Thr-AGT     AACUCUCAACGAGAGCA 74
chr-4.trna84-Thr-AGT     AACUCUCAACGAGAGCA 74
chr-1.trna43-Thr-AGT     AACUCUCAAUGAAAGCA 74
chr-2.trna32-Thr-AGT     AACUCUCAAUGAAAGCA 74
chr-6.trna19-Thr-AGT     AACUCUCAAUGAAAGCA 74
chr-2.trna100-Thr-AGT    AACUCUCAAUGAAAGCA 74
chr-2.trna109-Thr-AGT    AACUCUCAAUGAAAGCA 74
chr-3.trna146-Thr-AGT    AACUCUCAAUGAAAGCA 74
chr-4.trna65-Thr-AGT     AACUCUCAAUGAAAGCA 74
chr-7.trna85-Thr-AGT     AACUCUCAAUGAAAGCA 74
chr-2.trna95-Thr-AGT     AACUUUUAACGAGAGCA 74
chr-4.trna171-Thr-AGT    GACUCUCAACGAGAGCU 76
chr-4.trna16-Thr-TGT     GAUUCCGAUAGCCGGCU 73
chr-4.trna26-Thr-TGT     GAUUCCGAUAGCCGGCU 73
chr-6.trna1-Thr-TGT      GAUUCCGAUAGCCGGCU 73
chr-6.trna12-Thr-TGT     GAUUCCGAUAGCCGGCU 73
chr-7.trna114-Thr-TGT    GAUUCCGAUAGCCGGCU 73
chr-5.trna99-Thr-TGT     GAUCCUGCAUGGGGGCA 72
chr-7.trna103-Thr-TGT    GAUCCUGCGUGAGGGCA 72
chr-7.trna115-Thr-TGT    GAUCCUUCAUGGAGGCA 72
chr-8.trna74-Thr-TGT     GAUCCUGCGUGAGGGCA 72
chr-1.trna83-Thr-TGT     GAUCCUGCGUGAGGGCA 72
chr-7.trna102-Thr-TGT    GAUCCUGCGUGAGGGCA 72
chr-8.trna48-Thr-TGT     GAUCCUGCGUGAGGGCA 72
chr-4.trna41-Thr-TGT     GAUCCUGCGUGAGGGCA 72
chr-4.trna61-Thr-TGT     GAUCCUGCGUGAGGGCA 72
chr-2.trna61-Thr-TGT     GAUCCUGCGUGAGGGCA 72
chr-5.trna4-Thr-TGT      GAUCCUGCGUGAGGGCA 72
chr-8.trna1-Thr-TGT      GAUCCUGCGUGAGGGCA 72
chr-8.trna19-Thr-GGT     AAAUCCGAUAAGGGGCU 72
chr-4.trna153-Thr-GGT    AAAUCCGAUAAGGGGCU 72
chr-4.trna34-Thr-GGT     AAAUCCGAUAAGGGGCU 72
chr-5.trna47-Thr-GGT     AAAUCCGAUAAGGGGCU 72
chr-3.trna133-Thr-GGT    AAAUCCGAUAAGGGGCU 72
chr-4.trna167-Thr-GGT    AAAUCCGAUAAGGGGCU 71
chr-4.trna106-Thr-CGT    GAUCCUCGCCGGGGGCU 72
chr-4.trna88-Thr-CGT     AAUCCUCGCUGGGAGCU 72
chr-4.trna124-Thr-CGT    GAUCCUCGCCGGGAGCU 72
chr-7.trna21-Thr-TGT     AAUCCUUCGUGAGGGCA 75
chr-4.trna14-Thr-AGT     AACUCUCAAUGAGAGCA 69
                         .........70......
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