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                                                 (((((..((..((((.........)))).(((((((...)))))))).....(.((((...
chr-1.trna229-Thr-TGT    GCCCA--CUUAGCUCAGA-GGUUAGAGCAUCGCAUUUGUAAUGCGAGGGUCA-UCGGUUC 56
chr-6.trna148-Thr-TGT    GCCCA--CUUAGCUCAGA-GGUUAGGGCAUCGCAUUUGUAAUGCGAGGGUCA-UCGGUUC 56
chr-1.trna226-Thr-TGT    GCCCA--CUUAGCUCAGA-GGUUAGAGCAUCGCAUUUGUAAUGCGAGGGUCA-UCUGUUC 56
chr-1.trna228-Thr-TGT    GCCCA--CUUAGCUCAAA-GGUUAGAGCAUCGCAUUUGUAAUGCGAGGGUCA-UCAGUUC 56
chr-8.trna163-Thr-TGT    AUCAAACAUUAGCUCAGA-GGUUAGAGCAUCGCAUUUGUAAUGCGAGGGUCA-UCGGUUC 58
chr-3.trna115-Thr-TGT    AACCCCACUUAGCUCAGA-GGUUAGAGCAUCGCAUUUGUAAUAUGACGGUCA-UCGGUUC 58
chr-1.trna9-Thr-CGT      GCCUC--CGUAGCAUAGU--GGUAGUGCGUUCGCUUCGUAAGCGAAAGGUCG-CGAGUUC 55
chr-9.trna62-Thr-CGT     GCCUC--CGUAGCAUAGU--GGUAGUGCGUUCGCUUCGUAAGCGAAAGGUCG-CGAGUUC 55
chr-10.trna84-Thr-CGT    GCUUC--CGUAGCAUAGU--GGUAGUGCGUUCGCUUCGUAAGCGAAAGGUCG-CGAGUUC 55
chr-5.trna91-Thr-CGT     GCUUC--CGUAGCAUAGU--GGUAGUGCGUUCGCUUCGUAAGCGAAAGGUCG-CGAGUUC 55
chr-4.trna61-Thr-CGT     GCCUC--CGUAGCAUAGU--GGUAGUGCGUUCGCUUCGUAAGCGAAAGGUCG-CGAGUUC 55
chr-4.trna58-Thr-CGT     GCUUC--CGUAGCAUAGU--GGUAGUGCGUUCGCUUCGUAAGCGAAAGGUCG-CGAGUUC 55
chr-1.trna185-Thr-TGT    GCCCC--UAUAGCUCAGU--GGUAGAGCGUCAGCUUGUAAACUGAAGGUCU-GUAGUUC 55
chr-5.trna197-Thr-TGT    GCCCC--UAUAGCUCAGU--GGUAGAGCGUCAGCUUGUAAACUGAAGGUCU-GUAGUUC 55
chr-4.trna220-Thr-TGT    GCCCC--UAUAGCUCAGU--GGUAGAGCGUCAGCUUGUAAACUGAAGGUCU-GUAGUUC 55
chr-5.trna85-Thr-TGT     GCCCC--UAUAGCUCAGU--GGUAGAGCGUCAGCUUGUAAACUGAAGGUCU-GUAGUUC 55
chr-1.trna282-Thr-TGT    GCCCC--UAUAGCUCAGU--GGUAGAGCGUCAGCUUGUAAACUGAAGGUCC-GUAGUUC 55
chr-2.trna198-Thr-TGT    GCCCC--UAUAGCUCAGU--GGUAGAGCGUCAGCUUGUAAACUGAAGGUCC-GUAGUUC 55
chr-1.trna42-Thr-AGT     GCUUU--CGUAGCUCAGUUGGUUAGAGCACCGGUUAGUAAGCGGGAGGUCU-UGAGUUC 57
chr-3.trna63-Thr-AGT     GCUUU--CGUAGCUCAGUUGGUUAGAGCACCGGUUAGUAAGCGGGAGGUCU-UGAGUUC 57
chr-10.trna132-Thr-AGT   GCUUU--CGUAGCUCAGUUGGUUAGAGCACCGGUUAGUAAGCGGGAGGUCU-UGAGUUC 57
chr-3.trna64-Thr-AGT     GCUUU--CGUAGCUCAGUUGGUUAGAGCACCGGUUAGUAAGCGGGAGGUCU-UGAGUUC 57
chr-3.trna208-Thr-AGT    GCUUU--CGUAGCUCAGUUGGUUAGAGCACCGGUUAGUAAGCGGGAGGUCU-UGAGUUC 57
chr-5.trna11-Thr-AGT     GCUUU--CGUAGCUCAGUUGGUUAGAGCACCGGUUAGUAAGCGGGAGGUCU-UGAGUUC 57
chr-8.trna9-Thr-AGT      GCUUU--CGUAGCUCAGUUGGUUAGAGCACCGGUUAGUAAGCGGGAGGUCU-UGAGUUC 57
chr-3.trna59-Thr-AGT     GCUUU--CGUAGCUCAGUUGGUUAGAGCACCUGUUAGUAAGCGGGAGGUCU-UGAGUUC 57
chr-10.trna123-Thr-AGT   GCUCU--CGUAGCUCAGUUGGUUAGAGCACCGGUUAGUAAGCGGGAGGUCU-UGAGUUC 57
chr-3.trna207-Thr-AGT    GCUUU--CGUAGCUCAGUUGGUUAGAGCACCGGUUAGUAAGCGGGAGGUCU-UGAGUUC 57
chr-10.trna21-Thr-AGT    GCUCU--UGUAGCUCAGUUGGUUAGAGCACCGGUUAGUAAGCGGGAGGUCU-UGAGUUC 57
chr-1.trna147-Thr-AGT    GCUUU--CAUAGCUCAGUUGGUUAGAGCACCGGUUAGUAAGCGGGAGGUCU-UGAGUUC 57
chr-5.trna151-Thr-AGT    GCUUU--CAUAGCUCAGUUGGUUAGAGCACCGGUUAGUAAGCGGGAGGUCU-UGAGUUC 57
chr-8.trna8-Thr-AGT      GCUUU--CGUAGCUCAGUUGGUUAGAGCACCGGUUAGUAAGCGGGAGGUCU-UGAGUUC 57
chr-10.trna131-Thr-AGT   GCUUU--CGUAGCUCAGUUGGUUAGAGCACCUGUUAGUAAGCGGGAGGUCU-UGAGUUC 57
chr-3.trna61-Thr-AGT     GCUUU--CGUACCUCAGUUGGUUAGAGCACCGGUUAGUAAGCGGGAGGUCU-UGAGUUC 57
chr-5.trna10-Thr-AGT     GCUUU--CAUAGCUCAGUUGGUUAGAGCACCGGUUAGUAAGCGGGAGGUCUUUGAGUUC 58
chr-3.trna60-Thr-AGT     GCUUA--CGUAGCUCAGUUGGUUAGAGCACCGCUUAGUAAGCGGGAGGUCU-UGAGUUC 57
chr-6.trna137-Thr-TGT    GCCUC--CGUUGCAUAGU--GGUAGUGUGUUUGUUUGUAAGCGAAAGGUCG-CGAGUUU 55
chr-4.trna13-Thr-GGT     GCCCU--UUUAACUCAAU--GGUAGAGUAAUGCCAUGGUAAGACAUAAGUCA-UCAGUUC 55
chr-3.trna98-Thr-GGT     GCCCU--UUUAACUCAGU--GGUAGAGUAAUGCCAUGGUAAGACAUAAGUCA-UCAGUUC 55
chr-8.trna99-Thr-GGT     GCCCU--UUUAACCCAAU--AGUAGAGUAAUGCCAUGGUAAGUCACAAGCCA-UCGGUUC 55
chr-9.trna85-Thr-CGT     GCUUG--UCUAGCUCAGUU-GGUAGAGCGCAAGGCUCGUAACCUUAAGGUCG-UGGGUUC 56
                         .........10........20........30........40........50.........
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chr-1.trna229-Thr-TGT    AAAUCUGAUGGUCA----GCU 73
chr-6.trna148-Thr-TGT    AAAUCCGAUAGUCG----GCU 73
chr-1.trna226-Thr-TGT    AAAUCCGAUAGUCG----GCU 73
chr-1.trna228-Thr-TGT    AAAUCCGAUAGUCG----GCU 73
chr-8.trna163-Thr-TGT    AAAUCCGAUAGUUG----GCU 75
chr-3.trna115-Thr-TGT    AAAUCUGAUAGUGG----UCG 75
chr-1.trna9-Thr-CGT      GAUCCUCGCCGGGG----GCU 72
chr-9.trna62-Thr-CGT     GAUCCUCGCCGGGG----GCU 72
chr-10.trna84-Thr-CGT    GAUCCUCGCCGGGA----GCU 72
chr-5.trna91-Thr-CGT     GAUCCUCGCCGGGA----GCU 72
chr-4.trna61-Thr-CGT     GAUCCUCGCCGGGG----GCU 72
chr-4.trna58-Thr-CGT     GAUCCUCGCCGGGA----GCU 72
chr-1.trna185-Thr-TGT    GAUCCUGCAUGGGG----GCA 72
chr-5.trna197-Thr-TGT    GAUCCUGCAUGGGG----GCA 72
chr-4.trna220-Thr-TGT    GAUCCUGCAUGGGG----GCA 72
chr-5.trna85-Thr-TGT     GAUCCUGCAUGGGG----GCA 72
chr-1.trna282-Thr-TGT    GAUCCUGCGUGGGG----GCA 72
chr-2.trna198-Thr-TGT    GAUCCUGCGUGGGG----GCA 72
chr-1.trna42-Thr-AGT     AACUCUCAACGAAA----GCA 74
chr-3.trna63-Thr-AGT     AACUCUCAACGAAA----GCA 74
chr-10.trna132-Thr-AGT   AACUCUCAACGAAA----GCA 74
chr-3.trna64-Thr-AGT     AACUCUCAACGAAA----GCA 74
chr-3.trna208-Thr-AGT    AACUCUCAACGAAA----GCA 74
chr-5.trna11-Thr-AGT     AACUCUCAACGAAA----GCA 74
chr-8.trna9-Thr-AGT      AACUCUCAACGAAA----GCA 74
chr-3.trna59-Thr-AGT     AACUCUCAAUGAAA----GCA 74
chr-10.trna123-Thr-AGT   GACUCUCAACGAGA----GCA 74
chr-3.trna207-Thr-AGT    GACUCUCAACGAAA----GCA 74
chr-10.trna21-Thr-AGT    GACUCUCAACGAGA----GCA 74
chr-1.trna147-Thr-AGT    GACUCUCAAUGAAA----GCA 74
chr-5.trna151-Thr-AGT    GACUCUCAAUGAAA----GCA 74
chr-8.trna8-Thr-AGT      GACUCUCAAUGAAA----GCA 74
chr-10.trna131-Thr-AGT   GACUCUCAACGAAA----GCA 74
chr-3.trna61-Thr-AGT     AACUCUCAACGAAA----GCA 74
chr-5.trna10-Thr-AGT     AACUCUCAAUGAAA----GCA 75
chr-3.trna60-Thr-AGT     AACUCUCAACGAAA----GCA 74
chr-6.trna137-Thr-TGT    GAUCCUCGCUGGGGCUUUGUA 76
chr-4.trna13-Thr-GGT     AAAUCCGAUAAAGG----GCU 72
chr-3.trna98-Thr-GGT     AAAUCCGAUAAAGG----GCU 72
chr-8.trna99-Thr-GGT     AAAUCCGAUAGAGG----GCU 72
chr-9.trna85-Thr-CGT     GAGCCCCACCGUGA----ACA 73
                         .........70........80
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