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                                 ((((.((..((((.........)))).(((((....).)))))).....(((((.....
chr-13.trna1-Phe-GAA     GCAGAGAUAGCUCAGUUGG-CAGAGCGUCGGACUGAAGAUCUGAAGGUCGCGUGUUCGAU 59
chr-13.trna2-Phe-GAA     GCAGAGAUAGCUCAGUUGG-CAGAGCGUCGGACUGAAGAUCUGAAGGUCGCGUGUUCGAU 59
chr-13.trna50-Phe-GAA    GCAGAGAUAGCUCAGUUGG-CAGAGCGUCGGACUGAAGAUCUGAAGGUCGCGUGUUCGAU 59
chr-13.trna52-Phe-GAA    GCAGAGAUAGCUCAGUUGG-CAGAGCGUCGGACUGAAGAUCUGAAGGUCGCGUGUUCGAU 59
chr-14.trna22-Phe-GAA    GCGGGGAUAGCUCAGUUGG-GAGAGCGUCAGAUUGAAGAUCUGAAGGUCGCAUGUUCGAU 59
chr-2.trna53-Phe-GAA     GCGGGGAUAGCUCAGUUGG-GAGAGCGUCAGACUGAAGAUCUGAAGGUCGCGUGUUCGAU 59
chr-3.trna2-Phe-GAA      GCGGGGAUAGCUCAGUUGG-GAGAGCGUCAGACUGAAGAUCUGAAGGUCGCGUGUUCGAU 59
chr-15.trna6-Phe-GAA     GCGGGGAUAGCUCAGUUGG-GAGAGCGUCAGACUGAAGAUCUGAAGGUCGCGUGUUCGAU 59
chr-3.trna25-Phe-GAA     GCGGGGAUAGCUCAGUUGG-GAGAGCGUCAGACUGAAGAUCUGAAGGUCGCGUGUUCGAU 59
chr-14.trna17-Phe-GAA    GCGGGGAUAGCUCAGUUGG-GAGAGCGUCAGACUGAAGAUCUGAAGGUCGCGUGUUCGAU 59
chr-4.trna26-Phe-GAA     GCGGGGAUAGCUCAGUUGG-GAGAGCGUCAGACUGAAGAUCUGAAGGUCGCGUGUUCGAU 59
chr-14.trna1-Phe-GAA     GCGGGGAUAGCUCAGUUGG-GAGAGCGUCAGACUGAAGAUCUGAAGGUCGCGUGUUCGAU 59
chr-15.trna34-Phe-GAA    GCGGGGAUAGCUCAGUUGG-GAGAGCGUCAGACUGAAGAUCUGAAGGUCGCGUGUUCGAU 59
chr-16.trna26-Phe-GAA    GCGGGGAUAGCUCAGUUGG-GAGAGCGUCAGACUGAAGAUCUGAAGGUCGCGUGUUCGAU 59
chr-4.trna62-Phe-GAA     GCGGGGAUAGCUCAGUUGG-GAGAGCGUCAGACUGAAGAUCUGAAGGUCGCGUGUUCGAU 59
chr-5.trna58-Phe-GAA     GCGGGGAUAGCUCAGUUGG-GAGAGCGUCAGACUGAAGAUCUGAAGGUCGCGUGUUCGAU 59
chr-1.trna7-Phe-GAA      GCGGGGAUAGCUCAGUUGG-GAGAGCGUCAGACUGAAGAUCUGAAGGUCGCGUGUUCGAU 59
chr-12.trna56-Phe-GAA    GCGGGGAUAGCUCAGUUGG-GAGAGCGUCAGACUGAAGAUCUGAAGGUCGCGUGUUCGAU 59
chr-12.trna25-Phe-GAA    GCGGGGAUAGCUCAGUUGG-GAGAGCGUCAGACUGAAGAUCUGAAGGUCGCGUGUUCGAU 59
chr-12.trna18-Phe-GAA    GCGGGGAUAGCUCAGUUGG-GAGAGCGUCAGACUGAAGAUCUGAAGGUCGCGUGUUCGAU 59
chr-11.trna6-Phe-GAA     GCGGGGAUAGCUCAGUUGG-GAGAGCGUCAGACUGAAGAUCUGAAGGUCGCGUGUUCGAU 59
chr-6.trna2-Phe-GAA      GCGGGGAUAGCUCAGUUGG-GAGAGCGUCAGACUGAAGAUCUGAAGGUCGCGUGUUCGAU 59
chr-6.trna66-Phe-GAA     GCGGGGAUAGCUCAGUUGG-GAGAGCGUCAGACUGAAGAUCUGAAGGUCGCGUGUUCGAU 59
chr-7.trna47-Phe-GAA     GCGGGGAUAGCUCAGUUGG-GAGAGCGUCAGACUGAAGAUCUGAAGGUCGCGUGUUCGAU 59
chr-7.trna17-Phe-GAA     GCGGGGAUAGCUCAGUUGG-GAGAGUGUCAGACUGAAGAUCUGAAGGUCGCGUGUUCGAU 59
chr-7.trna59-Phe-GAA     GCGGGGAUAGCUCAGUUGG-GAGAGCGUCAGACUGAAGAUCUGAAGGUCGCGUGUUCGAU 59
chr-14.trna14-Phe-GAA    GCGGGGAUAGCUCAGUUGG-GAGAGCGUCAUACUGAAGAUCUGAAGGUCGCGUGUUCGAU 59
chr-8.trna33-Phe-GAA     GCGGGGAUAGCUCAGUUAU-U-GAGCGUCAGACUGAAGAUCCGAAGGUCGCGUGUUCGAU 58
chr-13.trna22-Phe-GAA    GCGGUGAUAGCUCAGUUGG-GAGAGCGUCAGACUGAAGAUCUGAA----GCGUGUUCGAU 55
chr-10.trna42-Phe-GAA    GUCAGGAUAGCUCAGUUGG-UAGAGCAGAGGACUGAAAAUCCUCGUGUUACCAUUUCAAA 59
chr-16.trna2-Phe-GAA     GUUCUGGUAGCUCAGCUGGUUAGAGCAAAGGACUGAAAAUCCUU----CAGUGGUUCGAA 56
                         .........10........20........30........40........50.........

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chr-13.trna1-Phe-GAA     CCACGCUCACCGCA 73
chr-13.trna2-Phe-GAA     CCACGCUCACCGCA 73
chr-13.trna50-Phe-GAA    CCACGCUCACCGCA 73
chr-13.trna52-Phe-GAA    CCACGCUCACCGCA 73
chr-14.trna22-Phe-GAA    CCACGCUCACAGCA 73
chr-2.trna53-Phe-GAA     CCACGCUCACCGCA 73
chr-3.trna2-Phe-GAA      CCACGCUCACCGCA 73
chr-15.trna6-Phe-GAA     CCACGCUCACCGCA 73
chr-3.trna25-Phe-GAA     CCACGCUCACCGCA 73
chr-14.trna17-Phe-GAA    CCACGCUCACCGCA 73
chr-4.trna26-Phe-GAA     CCACGCUCACCGCA 73
chr-14.trna1-Phe-GAA     CCACGCUCACCGCA 73
chr-15.trna34-Phe-GAA    CCACGCUCACCGCA 73
chr-16.trna26-Phe-GAA    CCACGCUCACCGCA 73
chr-4.trna62-Phe-GAA     CCACGCUCACCGCA 73
chr-5.trna58-Phe-GAA     CCACGCUCACCGCA 73
chr-1.trna7-Phe-GAA      CCACGCUCACCGCA 73
chr-12.trna56-Phe-GAA    CCACGCUCACCGCA 73
chr-12.trna25-Phe-GAA    CCACGCUCACCGCA 73
chr-12.trna18-Phe-GAA    CCACGCUCACCGCA 73
chr-11.trna6-Phe-GAA     CCACGCUCACCGCA 73
chr-6.trna2-Phe-GAA      CCACGCUCACCGCA 73
chr-6.trna66-Phe-GAA     CCACGCUCACCGCA 73
chr-7.trna47-Phe-GAA     CCACGCUCACCGCA 73
chr-7.trna17-Phe-GAA     CCACGCUCACCGCA 73
chr-7.trna59-Phe-GAA     CCACGCUCAUCGCA 73
chr-14.trna14-Phe-GAA    CCACGCUCACCGCA 73
chr-8.trna33-Phe-GAA     CCGCGCUCACCGCA 72
chr-13.trna22-Phe-GAA    CCACGUUCACCGCA 69
chr-10.trna42-Phe-GAA    UCUUGUUCCUGGCA 73
chr-16.trna2-Phe-GAA     UCCACAUCUGAGCG 70
                         .........70...

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