```
                                                  ((((.((..((((.........)))).((((((....).)))))).....(((((.....
chr-7.trna44-Phe-GAA     GCGGGAAUAGCUCAGUUGG-GAGAGCGUCAGACUGAAGAUCUGAAGGUCACGUGUUCGAU 59
chr-11.trna45-Phe-GAA    GCGAGGAUAGCUCAGUUGG-GAGAGCGUCAGACUGAAGAUCUGAAGGUCAUGUGUUCGAU 59
chr-6.trna74-Phe-GAA     GCGGGGAUAGCUCAGUUGG-GAGAGCGUCAGACUGAAGAUCUGAAGGUCGCGUGUUCGAU 59
chr-7.trna45-Phe-GAA     GCGGGGAUAGCUCAGUUGG-GAGAGCGUCAGACUGAAGAUCUGAAGGUCGCGUGUUCGAU 59
chr-2.trna43-Phe-GAA     GCGGGGAUAGCUCAGUUGG-GAGAGCGUCAGACUGAAGAUCUGAAGGUCACGUGUUCGAU 59
chr-11.trna61-Phe-GAA    GCGGGGAUAGCUCAGUUGG-GAGAGCGUCAGACUGAAGAUCUGAAGGUCACGUGUUCGAU 59
chr-3.trna24-Phe-GAA     GCGGGGAUAGCUCAGUUGG-GAGAGCGUCAGACUGAAGAUCUGAAGGUCACGUGUUCGAU 59
chr-10.trna128-Phe-GAA   GCGGGGAUAGCUCAGUUGG-GAGAGCGUCAGACUGAAGAUCUGAAGGUCACGUGUUCGAU 59
chr-3.trna25-Phe-GAA     GCGGGGAUAGCUCAGUUGG-GAGAGCGUCAGACUGAAGAUCUGAAGGUCACGUGUUCGAU 59
chr-3.trna36-Phe-GAA     GCGGGGAUAGCUCAGUUGG-GAGAGCGUCAGACUGAAGAUCUGAAGGUCACGUGUUCGAU 59
chr-10.trna123-Phe-GAA   GCGGGGAUAGCUCAGUUGG-GAGAGCGUCAGACUGAAGAUCUGAAGGUCACGUGUUCGAU 59
chr-3.trna37-Phe-GAA     GCGGGGAUAGCUCAGUUGG-GAGAGCGUCAGACUGAAGAUCUGAAGGUCACGUGUUCGAU 59
chr-10.trna119-Phe-GAA   GCGGGGAUAGCUCAGUUGG-GAGAGCGUCAGACUGAAGAUCUGAAGGUCACGUGUUCGAU 59
chr-3.trna88-Phe-GAA     GCGGGGAUAGCUCAGUUGG-GAGAGCGUCAGACUGAAGAUCUGAAGGUCACGUGUUCGAU 59
chr-3.trna89-Phe-GAA     GCGGGGAUAGCUCAGUUGG-GAGAGCGUCAGACUGAAGAUCUGAAGGUCACGUGUUCGAU 59
chr-10.trna111-Phe-GAA   GCGGGGAUAGCUCAGUUGG-GAGAGCGUCAGACUGAAGAUCUGAAGGUCACGUGUUCGAU 59
chr-4.trna51-Phe-GAA     GCGGGGAUAGCUCAGUUGG-GAGAGCGUCAGACUGAAGAUCUGAAGGUCACGUGUUCGAU 59
chr-6.trna50-Phe-GAA     GCGGGGAUAGCUCAGUUGG-GAGAGCGUCAGACUGAAGAUCUGAAGGUCACGUGUUCGAU 59
chr-10.trna105-Phe-GAA   GCGGGGAUAGCUCAGUUGG-GAGAGCGUCAGACUGAAGAUCUGAAGGUCACGUGUUCGAU 59
chr-6.trna51-Phe-GAA     GCGGGGAUAGCUCAGUUGG-GAGAGCGUCAGACUGAAGAUCUGAAGGUCACGUGUUCGAU 59
chr-10.trna40-Phe-GAA    GCGGGGAUAGCUCAGUUGG-GAGAGCGUCAGACUGAAGAUCUGAAGGUCACGUGUUCGAU 59
chr-7.trna33-Phe-GAA     GCGGGGAUAGCUCAGUUGG-GAGAGCGUCAGACUGAAGAUCUGAAGGUCACGUGUUCGAU 59
chr-8.trna48-Phe-GAA     GCGGGGAUAGCUCAGUUGG-GAGAGCGUCAGACUGAAGAUCUGAAGGUCACGUGUUCGAU 59
chr-7.trna99-Phe-GAA     GCGGGGAUAGCUCAGUUGG-GAGAGCGUCAGACUGAAGAUCUGAAGGUCACGUGUUCGAU 59
chr-10.trna134-Phe-GAA   GCGGGGAUAGCUCAGUUGG-GAGAGCGUCAGACUGAAGAUCUGAAGGUCACGUGUUCGAU 59
chr-10.trna41-Phe-GAA    GCGGGGAUAGCUCAGUUGG-GAGAGCGUCAGACUGAAGAUCUGAAGGUCACGUGUUCGAU 59
chr-11.trna121-Phe-GAA   GCGAGGAUAGCUCAGUUGG-GAGAGCGUCAGACUGAAGAUCUGAAGGUCACGUGUUCGAU 59
chr-8.trna49-Phe-GAA     GCGAGGAUAGCUCAGUUGG-GAGAGCGUCAGACUGAAGAUCUGAAGGUCACGUGUUCGAU 59
chr-1.trna81-Phe-GAA     GCGGGGAUUGCUCAGUUGG-GAGAGCGUCAGACUGAAGAUCUGAAGGUCGCGUGUUCGAU 59
chr-10.trna122-Phe-GAA   GCGGGGAUAGCUCAGUUGG-AAGAGUGUCAGACUGAAGAUCUAAAGGUCACGUGUUCGAG 59
chr-10.trna126-Phe-GAA   GCGGGGAUAGCUCAGUUGG-AAGAGUGUCAGACUGAAGAUCUAAAGGUCACGUGUUCGAG 59
chr-10.trna131-Phe-GAA   GCGGGGAUAGCUCAGUUGG-AAGAGUGUCAGACUGAAGAUCUAAAGGUCACGUGUUCGAG 59
chr-10.trna117-Phe-GAA   GCGGGGAUAGCUCAGUUGG-AAUAGUGUCAGACUGAAGAUCUAAAGGUCACGUGUUCGAU 59
chr-6.trna49-Phe-GAA     GUGGGGAUAGCUCAGUUGG-GAGAGGGUCAGACUGAAGAUCUGAAGGUCACGUGUCCGAU 59
chr-10.trna108-Phe-GAA   GCGGGGAUAGCUCAGUAAG-GAGAGCGUCAGAUUGAAGAUCUGAAGGUCACGUGUUCGAU 59
chr-4.trna10-Phe-GAA     GCGGGGAUAGCUCAGUUUG-GAGAGCGUCAGACUGAAGAUUUGAAGGUCAUGUGUUCGAU 59
chr-10.trna130-Phe-GAA   GCAGGGAUAGCUCAAUUGC-GAGAGCGUUAGACUGAAGAUCUGAAGGUCACGUGUUCGAU 59
chr-10.trna125-Phe-GAA   GCAGGGAUAGCUCAAUUGC-GAGAGCGUUAGACUGAAGAUCUGAAGGUCACGUGUUCGAU 59
chr-10.trna110-Phe-AAA   GCAAGGAUAACUUAGUUGG-GAGAGCGUUAGACUAAAGAUCUGAAGGUCACGUGUUUGAU 59
chr-10.trna114-Phe-GAA   GCGGGGAUAGCUCAGUUGG-GAGAGCGUCAGACUGAAGAUCUGAAGGUCACGUAAUCUAU 59
chr-7.trna89-Phe-GAA     GUCGGGACAGCUCAGUUGG-UAGAGCAGAGGAUUGAAAAUCCUCGUGUCACCAGUUCAAA 59
chr-3.trna76-Phe-GAA     GCGGUGAUAGCUUAGUUGG-GAGAGCAUCAGAUUGAAGAUCUGAAGGUCGCAUGUUCAAU 59
chr-7.trna98-Phe-GAA     ACGAGGAUAGCUCAGUUGG-GAGAGCGUCAGACUGAAAAUCUAAAGGUCACGUAUUUGAU 59
chr-7.trna10-Phe-GAA     GUUCAGGUAGCUCAACUGGUUAGAGCAAAGGACUGAAAAUCCUUGUGUCAGUGGUUCGAA 60
                         .........10........20........30........40........50.........
                         .)))))))....)))).
chr-7.trna44-Phe-GAA     CAACGUUC---ACCGCA 73
chr-11.trna45-Phe-GAA    CCACGUUC---AUCGCA 73
chr-6.trna74-Phe-GAA     CCACGCUC---ACCGCA 73
chr-7.trna45-Phe-GAA     CCACGCUC---ACCGCA 73
chr-2.trna43-Phe-GAA     CCACGUUC---ACCGCA 73
chr-11.trna61-Phe-GAA    CCACGUUC---ACCGCA 73
chr-3.trna24-Phe-GAA     CCACGUUC---ACCGCA 73
chr-10.trna128-Phe-GAA   CCACGUUC---ACCGCA 73
chr-3.trna25-Phe-GAA     CCACGUUC---ACCGCA 73
chr-3.trna36-Phe-GAA     CCACGUUC---ACCGCA 73
chr-10.trna123-Phe-GAA   CCACGUUC---ACCGCA 73
chr-3.trna37-Phe-GAA     CCACGUUC---ACCGCA 73
chr-10.trna119-Phe-GAA   CCACGUUC---ACCGCA 73
chr-3.trna88-Phe-GAA     CCACGUUC---ACCGCA 73
chr-3.trna89-Phe-GAA     CCACGUUC---ACCGCA 73
chr-10.trna111-Phe-GAA   CCACGUUC---ACCGCA 73
chr-4.trna51-Phe-GAA     CCACGUUC---ACCGCA 73
chr-6.trna50-Phe-GAA     CCACGUUC---ACCGCA 73
chr-10.trna105-Phe-GAA   CCACGUUC---ACCGCA 73
chr-6.trna51-Phe-GAA     CCACGUUC---ACCGCA 73
chr-10.trna40-Phe-GAA    CCACGUUC---ACCGCA 73
chr-7.trna33-Phe-GAA     CCACGUUC---ACCGCA 73
chr-8.trna48-Phe-GAA     CCACGUUC---ACCGCA 73
chr-7.trna99-Phe-GAA     CCACGUUC---ACCGCA 73
chr-10.trna134-Phe-GAA   CCACGUUC---ACCGCA 73
chr-10.trna41-Phe-GAA    CCACGUUC---ACUGCA 73
chr-11.trna121-Phe-GAA   CCACGUUC---AUCGCA 73
chr-8.trna49-Phe-GAA     CCACGUUC---AUCGCA 73
chr-1.trna81-Phe-GAA     CCACGCUC---ACCGCA 73
chr-10.trna122-Phe-GAA   CCACGUUC---ACUGCA 73
chr-10.trna126-Phe-GAA   CCACGUUC---ACUGCA 73
chr-10.trna131-Phe-GAA   CCACGUUC---ACUGCA 73
chr-10.trna117-Phe-GAA   CCACGUUC---ACUGCA 73
chr-6.trna49-Phe-GAA     CCACGUUC---ACCGCA 73
chr-10.trna108-Phe-GAA   CCACGUUC---ACCGCA 73
chr-4.trna10-Phe-GAA     CCACGUUC---ACCACA 73
chr-10.trna130-Phe-GAA   CGAUGUUU---ACUGCA 73
chr-10.trna125-Phe-GAA   CGAUGUUU---ACUGCA 73
chr-10.trna110-Phe-AAA   CAAUGUUC---AUUGCA 73
chr-10.trna114-Phe-GAA   CAAAGUUC---AUUGCA 73
chr-7.trna89-Phe-GAA     UCUGGUUC---CUGACA 73
chr-3.trna76-Phe-GAA     CCAUGCUC---ACCGCA 73
chr-7.trna98-Phe-GAA     CCACGUUC---AUUGCA 73
chr-7.trna10-Phe-GAA     UCCACUUCUAAGGGGCU 77
                         .........70......
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