```
                                 ((((((...(..(((...........)))(((((((....).)))))))((....))))
chr-1.trna290-Leu-TAA    GAGUCU---GUGGCACAAU--GGUCGUGCGUCUGACUUAAAGUCAGA---------AGGU 46
chr-11.trna61-Leu-TAA    GCUUGG---GUAGAUCAUCCGGUUAGAGAAAAGGACUUAAAAUCCUU---------GUGU 48
chr-3.trna377-Leu-TAA    CCCGCU---AUGGUGAAAUCGGUAGACACGCUGCUCUUAAAAAGCAGUGCUA----GAGC 53
chr-4.trna131-Leu-TAA    GCUCUG---AUGGUGAAAU-GGUAGACACACGAGACUUAAAAUCUCGUGCUGAU--GAGC 54
chr-1.trna301-Leu-TAA    GCUGGU---UUGCCCGAGA-GGUUAAGGGGGAAGACUUAAGAUCUUCUGCACAUAAGUGC 56
chr-4.trna259-Leu-TAA    GCUGGU---UUGCCCGAGA-GGUUAAGGGGGAAGACUUAAGAUCUUCUGCACAUAAGUGC 56
chr-11.trna44-Leu-TAA    GCUGGU---UUGCCCGAGA-GGUUAAGGGGGCAGACUUAAGAUCUGCUGCACAUAAGUGC 56
chr-1.trna362-Leu-TAA    GCUGGU---UUGCCCGAGU-GGUUAAGGGGGAAGACUUAAGAUCUUCUGCACAUAAGUGC 56
chr-2.trna209-Leu-TAA    GCUGGU---UUGCCCGAGU-GGUUAAGGGGGAAGACUUAAGAUCUUCUGCACAUAAGUGC 56
chr-3.trna409-Leu-TAA    GCUGGU---UUGCCCGAGU-GGUUAAGGGGGAAGACUUAAGAUCUUCUGCACAUAAGUGC 56
chr-6.trna334-Leu-TAA    GCUGGU---UUGCCCGAGU-GGUUAAGGGGGAAGACUUAAGAUCUUCUGCACAUAAGUGC 56
chr-6.trna335-Leu-TAA    GCUGGU---UUGCCCGAGU-GGUUAAGGGGGAAGACUUAAGAUCUUCUGCACAUAAGUGC 56
chr-7.trna417-Leu-TAA    GCUGGU---UUGCCCGAGU-GGUUAAGGGGGAAGACUUAAGAUCUUCUGCACAUAAGUGC 56
chr-9.trna32-Leu-TAA     GCUGGU---UUGCCCGAGU-GGUUAAGGGGGAAGACUUAAGAUCUUCUGCACAUAAGUGC 56
chr-11.trna2-Leu-TAA     GCUGGU---UUGCCCGAGU-GGUUAAGGGGGAAGACUUAAGAUCUUCUGCACAUAAGUGC 56
chr-9.trna405-Leu-TAA    GCUGGU---UUGCCCGAGU-GGUUAAGGGGGAAGACUUAAGAUCUUCUGCACAUAAGUGC 56
chr-9.trna33-Leu-TAA     GCUGGU---UUGCCCGAGU-GGUUAAGGGGGAAGACUUAAGAUCUUCUGCACAUAAGUGC 56
chr-9.trna260-Leu-TAA    GCUGGU---UUGCCCGAGU-GGUUAAGGGGGAAGACUUAAGAUCUUCUGCACAUAAGUGC 56
chr-9.trna403-Leu-TAA    GCUGGU---UUGCCCGAGU-GGUUAAGGGGGAAGACUUAAGAUCUUCUGCACUCAAGUGC 56
chr-11.trna13-Leu-TAA    GCUGGU---UUGCCCGAGU-GGUUAAGGGGGAAGACUUAAGAUCUUCUGCACUCAAGUGC 56
chr-1.trna506-Leu-TAA    GCUGGU---UUGCCCGAGU-GGUUAAGGGGGAAGACUUAAGAUCUUCUGCACAUAAGUGU 56
chr-2.trna356-Leu-TAA    GCUGGU---UUGCCCGAGU-GGUUAAGGGGGAAGACUUAAGAUCUUCUGCACUGUAGUGC 56
chr-11.trna3-Leu-TAA     GCUGGU---UUGCCCGAGU-GGUUAAGGGGUAAGACUUAAGAUCUUCUGCACAUAAUUGC 56
chr-11.trna14-Leu-TAA    GCUGGU---UUGCCCGAGU-GGUUAAGGGGGAAGACUUAAGAUCUUCUGCACUCAAGUGC 56
chr-9.trna336-Leu-TAA    GCUGGU---UUUCCCGAGA-GGUUAAGGGGGCAGACUUAAGAUCUGCUGCACAUAAGUGC 56
chr-9.trna404-Leu-TAA    GCUGGU---UUGCCCGAGU-GGUUAAGGGGGAAUACUUAAGAUCUUCUGCAC-UAAGUGC 55
chr-1.trna366-Leu-TAA    GCUGGU---UUGCCCGAGA-GGUCAAGGGCGAAGACUUAAGAUCUUCUCCACAUAAGGGC 56
chr-1.trna507-Leu-TAA    GCUGGU---UUGCCCGAGU-GGUUAUGGGGGGAGACUUAAGAUCUUCCGCACAUCAGUGC 56
chr-6.trna164-Leu-TAA    GCUGGU---UUGCCCGAGU-GGUUAAGGG-GAAGGCUUAAGAUCUUCUGCAUUUGAAUGC 55
chr-11.trna251-Leu-TAA   GCUCGU---UUGCCCGAGU-GGUUAAGGGGGAAGACUUAAGAUCUUCUGC-CAUUAGUGU 55
chr-1.trna508-Leu-TAA    ACUU-U---UGUUCCGAGU-GGUUAAGGGGGAAGACUUAAGAUCUUCUGCACAUAAGUGU 55
chr-9.trna203-Leu-TAA    ACCAGCUGGUUGCCCGAGU-GGUUAAGGG-GAAGACUUAAGAUCUUGUGCACAUAAGUGU 58
chr-6.trna473-Leu-TAA    GCUGGU---UUGCCCGA----GUUAAGGGGUCAGACUUAAGAUCUUCCGC-------UGC 46
                         .........10........20........30........40........50.........
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                         ..(((((.......)))))..........
chr-1.trna290-Leu-TAA    -UGUGUGUUCGAUUCACACCAGAUUC---A 72
chr-11.trna61-Leu-TAA    -CAGUGGUUCAAAUCCACUUCUAAAC---A 74
chr-3.trna377-Leu-TAA    AUCUCGAUUCGAGUCCGAGUGGCGGC---A 80
chr-4.trna131-Leu-TAA    GUGGAGGUUCGAGUCCUCUUCAAGGC---A 81
chr-1.trna301-Leu-TAA    GCAUGGGUUCGAACCCCAUAGCCAGC---A 83
chr-4.trna259-Leu-TAA    GCAUGGGUUCGAACCCCAUAGCCAGC---A 83
chr-11.trna44-Leu-TAA    GCAUGGGUUCGAACCCCAUAGCCAGC---A 83
chr-1.trna362-Leu-TAA    GCAUGGGUUCGAACCCCAUAGCCAGC---A 83
chr-2.trna209-Leu-TAA    GCAUGGGUUCGAACCCCAUAGCCAGC---A 83
chr-3.trna409-Leu-TAA    GCAUGGGUUCGAACCCCAUAGCCAGC---A 83
chr-6.trna334-Leu-TAA    GCAUGGGUUCGAACCCCAUAGCCAGC---A 83
chr-6.trna335-Leu-TAA    GCAUGGGUUCGAACCCCAUAGCCAGC---A 83
chr-7.trna417-Leu-TAA    GCAUGGGUUCGAACCCCAUAGCCAGC---A 83
chr-9.trna32-Leu-TAA     GCAUGGGUUCGAACCCCAUAGCCAGC---A 83
chr-11.trna2-Leu-TAA     GCAUGGGUUCGAACCCCAUAGCCAGC---A 83
chr-9.trna405-Leu-TAA    GCAUGGGUUCGAACCCCAUAGCCAGC---A 83
chr-9.trna33-Leu-TAA     GCAUGGGUUCGAACCCCAUAGCCAGC---A 83
chr-9.trna260-Leu-TAA    GCAUGGGUUCGAACCCCAUAGCCAGC---A 83
chr-9.trna403-Leu-TAA    GCAUGGGUUCGAACCCCAUAGCCAGC---A 83
chr-11.trna13-Leu-TAA    GCAUGGGUUCGAACCCCAUAGCCAGC---A 83
chr-1.trna506-Leu-TAA    GCAUGGGUUCGAACCUCAUAGCUAGC---A 83
chr-2.trna356-Leu-TAA    GCAUGGGUUCGAACCCCAUAGCCAGC---A 83
chr-11.trna3-Leu-TAA     GCAUGGGUCCGAACCCCAUAGCCAGC---A 83
chr-11.trna14-Leu-TAA    GCAUGGGUUCGAACCCCAUAGCCUGC---A 83
chr-9.trna336-Leu-TAA    GCAUGGGUUCGAACCCCAU-GCCAGC---A 82
chr-9.trna404-Leu-TAA    GCAUGGGUUCGAACCUCAUAGCCAGC---A 82
chr-1.trna366-Leu-TAA    GCAUGGGUUCGAACCCCAUAGCCAGC---A 83
chr-1.trna507-Leu-TAA    GCAUGGGUUCGAACCCCAUAGCCAAC---A 83
chr-6.trna164-Leu-TAA    GCAUGGAUUUGAACCCCAUAGCCAGC---A 82
chr-11.trna251-Leu-TAA   GCAUGGGUUCGAACCCCAUAGCCAAC---A 82
chr-1.trna508-Leu-TAA    GCAUGGGUUCGAACCCCAUAGCCAGC---A 82
chr-9.trna203-Leu-TAA    GCAUGGGUUUGAACCCCAUAGCCCGCGGGA 88
chr-6.trna473-Leu-TAA    GCAUGGGUUCGAACCCCAUAGCCAGC---A 73
                         .........70........80.........
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