```
                                 (((((((..(((.(.....)).)))((((((.......))))))).(.....)).. 
chr-1.trna75-Leu-CAA             GUCAGGAUGGCCGAG-UGGUCUAAGGCGCCAGACUCAAGUUCUGGUCCUCGUGAGAGGGC 59
chr-2.trna8-Leu-CAA              GUCAGGAUGGCCGAG-UGGUCUAAGGCGCCAGACUCAAGUUCUGGUCCUCGUGAGAGGGC 59
chr-2.trna25-Leu-CAA             GUCAGGAUGGCCGAG-UGGUCUAAGGCGCCAGACUCAAGUUCUGGUCCUCGUGAGAGGGC 59
chr-2.trna88-Leu-CAA             GUCAGGAUGGCCGAG-UGGUCUAAGGCGCCAGACUCAAGUUCUGGUCCUCGUGAGAGGGC 59
chr-7.trna6-Leu-CAA              GUCAGGAUGGCCGAG-UGGUCUAAGGCGCCAGACUCAAGUUCUGGUCCUCGUGAGAGGGC 59
chr-7.trna7-Leu-CAA              GUCAGGAUGGCCGAG-UGGUCUAAGGCGCCAGACUCAAGUUCUGGUCCUCGUGAGAGGGC 59
chr-10.trna2-Leu-CAA             GUCAGGAUGGCCGAG-UGGUCUAAGGCGCCAGACUCAAGUUCUGGUCCUCGUGAGAGGGC 59
chr-8.trna18-Leu-CAA             GUCAGGAUGGCCGAG-UGGUCUAAGGCGCCAGACUCAAGUUCUGGUCCUCGUGAGAGGGC 59
chr-1.trna18-Leu-TAA             GGUGGUUUGCCCGAG-AGGU-UAAGGGGGAAGACUUAAGAUCUUCUGCACAUAAGUGCGC 58
chr-11.trna62-Leu-TAA            GCUGGUUUGCCCGAG-AGGU-UAAGGGGGAAGACUUAAGAUCUUCUGCACAUAAGUGCGC 58
chr-8.trna28-Leu-TAA             GCUGGUUUGCCCGAG-AGGU-UAAGGGGGAAGACUUAAGAUCUUCUGCACAUAAGUGCGC 58
chr-6.trna9-Leu-TAA              GCUGGUUUGCCCGAG-AGGU-UAAGGGGGAAGACUUAAGAUCUUCUGCACAUAAGUGCGC 58
chr-2.trna1-Leu-TAG              GACGGUUUGGCCGAG-UGGUCUAAGGCGCCAGAUUUAGGCUCUGGUCC----GGAAGGGC 55
chr-6.trna8-Leu-TAG              GACAGUUUGGCCGAG-UGGUCUAAGGCGCCAGAUUUAGGCUCUGGUCC----GGAAGGGC 55
chr-2.trna105-Leu-TAG            GACAGUUUGGCCGAG-UGGUCUAAGGCGCCAGAUUUAGGCUCUGGUCC----GAAAGGGC 55
chr-6.trna2-Leu-TAG              GACAGUUUGGCCGAG-UGGUCUAAGGCGCCAGAUUUAGGCUCUGGUCC----GAAAGGGC 55
chr-4.trna29-Leu-TAG             GACAGUUUGGCCGAG-UGGUCUAAGGCGCCAGAUUUAGGCUCUGGUCC----GAAAGGGC 55
chr-8.trna35-Leu-AAG             GUUGAGAUGGCCGAGUUGGUCUAAGGCGCCAGAUUAAGGUUCUGGUCC----GAAAGGGC 56
chr-2.trna61-Leu-AAG             GUUGAGAUGGCCGAGUUGGUCUAAGGCGCCAGAUUAAGGUUCUGGUCC----GAAAGGGC 56
chr-11.trna34-Leu-AAG            GUGGAGAUGGCCGAGUUGGUCUAAGGCGCCAGAUUAAGGUUCUGGUCC----GAAAGGGC 56
chr-11.trna23-Leu-AAG            GUGGAGAUGGCCGAGUUGGUCUAAGGCGCCAGAUUAAGGUUCUGGUCC----GAAAGGGC 56
chr-6.trna69-Leu-AAG             GUUGAGAUGGCCGAGUUGGUCUAAGGCGCCAGAUUAAGGUUCUGGUCC----GAAAGGGC 56
chr-6.trna59-Leu-AAG             GUUGAGAUGGCCGAGUUGGUCUAAGGCGCCAGAUUAAGGUUCUGGUCC----GAAAGGGC 56
chr-6.trna58-Leu-AAG             GUUGAGAUGGCCGAGUUGGUCUAAGGCGCCAGAUUAAGGUUCUGGUCC----GAAAGGGC 56
chr-6.trna57-Leu-AAG             GUUGAGAUGGCCGAGUUGGUCUAAGGCGCCAGAUUAAGGUUCUGGUCC----GAAAGGGC 56
chr-11.trna45-Leu-CAG            GUCAAGAUGGCCGAGUUGGUCUAAGGCGCCAGUUUCAGGUACUGGUCC----GAAAGGGC 56
chr-9.trna1-Leu-CAG              GUCAAGAUGGCCGAGUUGGUCUAAGGCGCCAGUUUCAGGUACUGGUCC----GAAAGGGC 56
chr-4.trna20-Leu-CAG             GUCAAGAUGGCCGAGUUGGUCUAAGGCGCCAGUUUCAGGUACUGGUCC----GAAAGGGC 56
chr-4.trna38-Leu-CAG             GUCAAGAUGGCCGAGUUGGUCUAAGGCGCCAGUUUCAGGUACUGGUCC----GAAAGGGC 56
chr-4.trna30-Leu-CAA             GCCUUGGUGGUGAAA-UGGU-AGACACACGAGACUCAAAAUCUCGUGCU--AAAGAGCGU 56
chr-8.trna42-Leu-CAA             GCCUUGGUGGUGAAA-UGGU-AGACACGCGAGACUCAAAAUCUCGUGCU--AAAGAGCGU 56
chr-4.trna27-Leu-CAA             GCGUCUAUGGCUGAA-UAGU-UAAAGCGCCCAACUCAAAAUUGGC---------GAAUUC 49
chr-5.trna4-Leu-CAA              AUUAGAGUGGCGCAGCGGA---AAUGUGGUGGGCCCAAAACCCAC----------AGGCC 47
                                 .........10........20........30........40........50.........
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                                 (((((.......)))))))))))..). 
chr-1.trna75-Leu-CAA             GUGGGUUCAAAUCCCACUUCUGA--CA 84
chr-2.trna8-Leu-CAA              GUGGGUUCAAAUCCCACUUCUGA--CA 84
chr-2.trna25-Leu-CAA             GUGGGUUCAAAUCCCACUUCUGA--CA 84
chr-2.trna88-Leu-CAA             GUGGGUUCAAAUCCCACUUCUGA--CA 84
chr-7.trna6-Leu-CAA              GUGGGUUCAAAUCCCACUUCUGA--CA 84
chr-7.trna7-Leu-CAA              GUGGGUUCAAAUCCCACUUCUGA--CA 84
chr-10.trna2-Leu-CAA             GUGGGUUCAAAUCCCACUUCUGA--CA 84
chr-8.trna18-Leu-CAA             GUGGGUUCAAAUCCCACUUCUGA--CA 84
chr-1.trna18-Leu-TAA             GUGGGUUCGAACCCCACAGCCAC--CA 83
chr-11.trna62-Leu-TAA            AUGGGUUCGAACCCCAUAGCCAG--CA 83
chr-8.trna28-Leu-TAA             AUGGGUUCGAACCCCAUAGCCAG--CA 83
chr-6.trna9-Leu-TAA              AUGGGUUCGAGCCCCAUAGCCAG--CA 83
chr-2.trna1-Leu-TAG              GUGGGUUCAAAUCCCACAGCCGU--CA 80
chr-6.trna8-Leu-TAG              GUGGGUUCAAAUCCCACAGCUGU--CA 80
chr-2.trna105-Leu-TAG            GUGGGUUCAAAUCCCACAGCUGU--CA 80
chr-6.trna2-Leu-TAG              GUGGGUUCAAAUCCCACAGCUGU--CA 80
chr-4.trna29-Leu-TAG             GUGGGUUCAAAUCCCACAGCUGU--CA 80
chr-8.trna35-Leu-AAG             GUGGGUUCAAAUCCCACUCUCAA--CA 81
chr-2.trna61-Leu-AAG             GUGGGUUCAAAUCCCACUCUCAA--CA 81
chr-11.trna34-Leu-AAG            GUGGGUUCAAAUCCCACUCUCCA--CA 81
chr-11.trna23-Leu-AAG            GUGGGUUCAAAUCCCACUCUCCA--CA 81
chr-6.trna69-Leu-AAG             GUGGGUUCAAAUCCCACUCUCAA--CA 81
chr-6.trna59-Leu-AAG             GUGGGUUCAAAUCCCACUCUCAA--CA 81
chr-6.trna58-Leu-AAG             GUGGGUUCAAAUCCCACUCUCAA--CA 81
chr-6.trna57-Leu-AAG             GUGGGUUCAAAUCCCACUCUCAA--CA 81
chr-11.trna45-Leu-CAG            AUGGGUUCGAAUCCCAUUCUUGA--CA 81
chr-9.trna1-Leu-CAG              AUGGGUUCGAAUCCCAUUCUUGA--CA 81
chr-4.trna20-Leu-CAG             AUGGGUUCGAAUCCCAUUCUUGA--CA 81
chr-4.trna38-Leu-CAG             AUGGGUUCGAAUCCCAUUCUUGA--CA 81
chr-4.trna30-Leu-CAA             GGAGGUUCGAGUCCUCUUCAGGGAUCA 83
chr-8.trna42-Leu-CAA             GGAGGUUCGAGUCCUCUUCAAGG--CA 81
chr-4.trna27-Leu-CAA             GUAGGUUCAAUUCCUACUGAGUG--CA 74
chr-5.trna4-Leu-CAA              CAAGGAUCGAAACCUGGCUCUGAAAUA 74
                                 .........70........80......
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