```
                                 (((((((..(((.(((.....)).)))(((..((((.((.....)))))))..)))(((
chr-1.trna73-Leu-CAG     GUCAAGAUGGCCGAGUUGGUCUAAGGCGCCAGUUUCAGGUACUGGUCCGAAA-GGGCAUG 59
chr-1.trna19-Leu-CAG     GUCAAGAUGGCCGAGUUGGUCUAAGGCGCCAGUUUCAGGUACUGGUCCGAAA-GGGCAUG 59
chr-5.trna70-Leu-CAG     GUCAAGAUGGCCGAGUUGGUCUAAGGCGCCAGUUUCAGGUACUGGUCCGAAA-GGGCAUG 59
chr-6.trna62-Leu-CAG     GUUAAGAUGGCCGAGUUGGUCUAAGGCGCCAGUUUCAGGUACUGGUCCGAAA-GGGCAUG 59
chr-11.trna92-Leu-CAG    GUCAAGAUGGCCGAGUUGGUCUAAGGCGCCAGUUUCAGGUACUGGUCCGAAA-GUGCAUG 59
chr-8.trna88-Leu-CAG     GUCAAGAUGGCCGAGUUGGUCUAAGGCGCUAGUUUCAGGUACUGGUCCGAAA-GGGCAUG 59
chr-1.trna74-Leu-CAG     GUCAAGAUGGCCGAGUUGGUCUAAGGCGCCAGUUUCAGGUACUGGUCCGAAA-GGGCAUG 59
chr-1.trna108-Leu-CAG    GUCAAGAUGGCCGAGUUGGUCUAAGGCGCCAGUUUCAGGUACUGGUCCGAAA-GGGCAUG 59
chr-1.trna118-Leu-CAG    GUCAAGAUGGCCGAGUUGGUCUAAGGCGCCAGUUUCAGGUACUGGUCCGAAA-GGGCAUG 59
chr-3.trna21-Leu-CAG     GUCAAGAUGGCCGAGUUGGUCUAAGGCGCCAGUUUCAGGUACUGGUCCGAAA-GGGCAUG 59
chr-3.trna54-Leu-CAG     GUCAAGAUGGCCGAGUUGGUCUAAGGCGCCAGUUUCAGGUACUGGUCCGAAA-GGGCAUG 59
chr-3.trna125-Leu-CAG    GUCAAGAUGGCCGAGUUGGUCUAAGGCGCCAGUUUCAGGUACUGGUCCGAAA-GGGCAUG 59
chr-3.trna126-Leu-CAG    GUCAAGAUGGCCGAGUUGGUCUAAGGCGCCAGUUUCAGGUACUGGUCCGAAA-GGGCAUG 59
chr-3.trna128-Leu-CAG    GUCAAGAUGGCCGAGUUGGUCUAAGGCGCCAGUUUCAGGUACUGGUCCGAAA-GGGCAUG 59
chr-5.trna243-Leu-CAG    GUCAAGAUGGCCGAGUUGGUCUAAGGCGCCAGUUUCAGGUACUGGUCCGAAA-GGGCAUG 59
chr-5.trna263-Leu-CAG    GUCAAGAUGGCCGAGUUGGUCUAAGGCGCCAGUUUCAGGUACUGGUCCGAAA-GGGCAUG 59
chr-6.trna3-Leu-CAG      GUCAAGAUGGCCGAGUUGGUCUAAGGCGCCAGUUUCAGGUACUGGUCCGAAA-GGGCAUG 59
chr-6.trna6-Leu-CAG      GUCAAGAUGGCCGAGUUGGUCUAAGGCGCCAGUUUCAGGUACUGGUCCGAAA-GGGCAUG 59
chr-6.trna133-Leu-CAG    GUCAAGAUGGCCGAGUUGGUCUAAGGCGCCAGUUUCAGGUACUGGUCCGAAA-GGGCAUG 59
chr-6.trna124-Leu-CAG    GUCAAGAUGGCCGAGUUGGUCUAAGGCGCCAGUUUCAGGUACUGGUCCGAAA-GGGCAUG 59
chr-11.trna144-Leu-CAG   GUUAAGAUGGCCGAGUUGGUCUAAGGCGCCAGUUUCAGGUACUGGUCCGAAA-GGGCAUG 59
chr-8.trna17-Leu-CAG     GUCAAGAUGGCCGAGUUGGUCUAAGGCGCCAGUUUCAGGUACUGGUCCGAAA-GGGCAUG 59
chr-5.trna116-Leu-CAG    GUCAAGAUGGCCGAGUUGGUCUAAGGCGCUAGUUUCAGGUACUGGUCCGAAA-GGGCAUG 59
chr-12.trna150-Leu-CAG   GUCAAGAAGGCCGAGUUGGUCUAAGGCGCCAGUUUCAGGUACUGGUCCGAAA-GGGCUUG 59
chr-9.trna76-Leu-CAG     GUCAAGAUGGCCGAGUUGGUCUAAGGCGCCAGUUUCAGGUACUGGUCCGAAA-GGGCAUG 59
chr-4.trna23-Leu-CAG     GUCAAGAUGGCCGAGUUGGUCUAAGGCGCCAAUUUCAGGUACUGGUUCGAAA-GGGCAUG 59
chr-5.trna54-Leu-CAG     GUCAAGAUGGCUGAGUUGGUCUAAGGCGCCAGUUUCAGGUACUGGUCCGAAA-GGACAUG 59
chr-3.trna52-Leu-CAG     GUCAAGAUGGCCGAGUUGGUCUAAGGCGCCAUUUUCAGGUACUGGUCCGAAA-GGGCAUG 59
chr-9.trna165-Leu-CAG    GUCAAGAUGGCCGAGUUGGUCUAAGGCGCCAAUUUCAGGUACUGGUCCGACA-GGGCAUG 59
chr-6.trna61-Leu-CAG     GUCAAGAUGGCCGAGUUGGUCUAAGGCGCCAGUUUCAGGUAUUGGUCCGAAA-GGGCAUG 59
chr-11.trna145-Leu-CAG   GUCAAGAUGGCCGAGUUGGUCUAAGGCGCCAGUUUCAGGUACUGGUCCGAAA-GGGCAUG 59
chr-13.trna92-Leu-CAG    GUCAAGAUGGCCGAGUUGGUCUAAGGCGCCUGUUUCAGGUACUUGUCCGAAA-GGGCAUG 59
chr-6.trna45-Leu-CAG     GUCAAGAUGGCCGAGUUGGUCUAAGAUGCCAGUUUCAGGUACUGGUCCGCAA-GGGCAUG 59
chr-5.trna244-Leu-CAG    GUCAAGAUGGCCGAGUUGGUCUAAGGCGCCAGUUUCAGGUACUGGUCCGGAA-GGGCAUG 59
chr-5.trna165-Leu-CAG    GUCAAGAUGGCCGAGUUGGUCUAAGGCGCCAGUUUCAGGUACUGGUCCGAAAGGGGCAUG 60
chr-5.trna262-Leu-CAG    GUCAAGAUGGCCGAGUUGGUCUAAGGCGCCAGUUUCAGGUACUGGUCCGAAA-GGGCAUG 59
chr-5.trna65-Leu-CAG     GUCAAGAUGGCCGAGUUGGUCUAAGGCGACAGUUUCAGGUACUGGUCCGAAA-GGGUAUG 59
chr-4.trna164-Leu-CAG    GUCAAGAUGGCUGAGUUGGUCAAAGGCGCUAGUUUCAGGUACUGGUCUGAAA-GGGCAUU 59
chr-1.trna117-Leu-CAG    -----GAUGGCCGAGUUGGUCUAAGGCGCCAGUGUCAGGUACUGGUCCGAAA-AGGCAUG 54
chr-9.trna161-Leu-CAG    GGGGUGGUGGCGUAGUUAGUC-AGCGCGCAAGUUUCAGUAUCUUGA------GGUCGAG 52
                         .........10........20........30........40........50.........

                                 ((.......)))))))))))).
chr-1.trna73-Leu-CAG     GGUUCAAAAUCCCAUUCUUGACA 81
chr-1.trna19-Leu-CAG     GGUUCAAAAUCCCAUUCUUGACA 81
chr-5.trna70-Leu-CAG     GGUUCAAAAUCCCAUUCUUGACA 81
chr-6.trna62-Leu-CAG     GGUUCAAAAUCCCAUUCUUGACA 81
chr-11.trna92-Leu-CAG    GGUUCAAAAUCCCAUUCUUGACA 81
chr-8.trna88-Leu-CAG     GGUUCAAAAUCCCAUUCUUGACA 81
chr-1.trna74-Leu-CAG     GGUUCGAAAUCCCAUUCUUGACA 81
chr-1.trna108-Leu-CAG    GGUUCGAAUCCCAUUCUUGACA 81
chr-1.trna118-Leu-CAG    GGUUCGAAUCCCAUUCUUGACA 81
chr-3.trna21-Leu-CAG     GGUUCGAAUCCCAUUCUUGACA 81
chr-3.trna54-Leu-CAG     GGUUCGAAUCCCAUUCUUGACA 81
chr-3.trna125-Leu-CAG    GGUUCGAAUCCCAUUCUUGACA 81
chr-3.trna126-Leu-CAG    GGUUCGAAUCCCAUUCUUGACA 81
chr-3.trna128-Leu-CAG    GGUUCGAAUCCCAUUCUUGACA 81
chr-5.trna243-Leu-CAG    GGUUCGAAUCCCAUUCUUGACA 81
chr-5.trna263-Leu-CAG    GGUUCGAAUCCCAUUCUUGACA 81
chr-6.trna3-Leu-CAG      GGUUCGAAUCCCAUUCUUGACA 81
chr-6.trna6-Leu-CAG      GGUUCGAAUCCCAUUCUUGACA 81
chr-6.trna133-Leu-CAG    GGUUCGAAUCCCAUUCUUGACA 81
chr-6.trna124-Leu-CAG    GGUUCGAAUCCCAUUCUUGACA 81
chr-11.trna144-Leu-CAG   GGUUCGAAUCCCAUUCUUGACA 81
chr-8.trna17-Leu-CAG     GGUUCGAAUCCUAUUCUUGACA 81
chr-5.trna116-Leu-CAG    GGUUCGAAUCCCAUUCUUGACA 81
chr-12.trna150-Leu-CAG   GGUUCGAAUCCCAAUCUUGACA 81
chr-9.trna76-Leu-CAG     GGAUCGAAUCCCAUUCUUGACA 81
chr-4.trna23-Leu-CAG     GGUUCGAAUCCCAUUCUUGACA 81
chr-5.trna54-Leu-CAG     GGUUCAAAUCCCAUUCUUGACA 81
chr-3.trna52-Leu-CAG     GGUUCAAAUCCCAUUCUUGACA 81
chr-9.trna165-Leu-CAG    GGUUCAAAUCCCAUUCUUGAUA 81
chr-6.trna61-Leu-CAG     GGUUCAAAUCCCAUUCUUGACA 81
chr-11.trna145-Leu-CAG   GGUUCGAAUCCAAUUCUUGACA 81
chr-13.trna92-Leu-CAG    GGUUCAAAUCCCAUUCUUGACA 81
chr-6.trna45-Leu-CAG     GGUUCAAAUCCCAUUCUUGACA 81
chr-5.trna244-Leu-CAG    GGUUUAAAUCACAUUCUUGACA 81
chr-5.trna165-Leu-CAG    GGUUCGAAUUCCAUUCUCGACA 82
chr-5.trna262-Leu-CAG    GGUUCGAAUCCCA-UCUUGACA 80
chr-5.trna65-Leu-CAG     AGUUCAAAUCCCAUUCUUGACA 81
chr-4.trna164-Leu-CAG    GGUUCAAAUCCCAUUCUUGACA 81
chr-1.trna117-Leu-CAG    GGUUCAAAUCCCAU----AACA 72
chr-9.trna161-Leu-CAG    AAUUCAAAUCUCUCCCACUUUU 74
                         .........70........80.
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