```
                                 (((((((..(((.(((.....)).)))(((((.......)))))))(....)).)).(((((
chr-8B.trna40-Leu-CAG    GUCAAGAUGGCCGAGUUGAUCUAAGGCGCCAGUUUCAGGUACUGGUCCGAAAGGGCAUGG 60
chr-1B.trna7-Leu-CAG     GUCAAGAUGGCCGAGUUGGUCUAAGGCGCCAGUUUCAGGUACUGGUCCGAAAGGGCAUGG 60
chr-1B.trna14-Leu-CAG    GUCAAGAUGGCCGAGUUGGUCUAAGGCGCCAGUUUCAGGUACUGGUCCGAAAGGGCAUGG 60
chr-8C.trna24-Leu-CAG    GUCAAGAUGGCCGAGUUGGUCUAAGGCGCCAGUUUCAGGUACUGGUCCGAAAGGGCAUGG 60
chr-8C.trna23-Leu-CAG    GUCAAGAUGGCCGAGUUGGUCUAAGGCGCCAGUUUCAGGUACUGGUCCGAAAGGGCAUGG 60
chr-8B.trna41-Leu-CAG    GUCAAGAUGGCCGAGUUGGUCUAAGGCGCCAGUUUCAGGUACUGGUCCGAAAGGGCAUGG 60
chr-1B.trna100-Leu-CAG   GUCAAGAUGGCCGAGUUGGUCUAAGGCGCCAGUUUCAGGUACUGGUCCGAAAGGGCAUGG 60
chr-8A.trna5-Leu-CAG     GUCAAGAUGGCCGAGUUGGUCUAAGGCGCCAGUUUCAGGUACUGGUCCGAAAGGGCAUGG 60
chr-1D.trna9-Leu-CAG     GUCAAGAUGGCCGAGUUGGUCUAAGGCGCCAGUUUCAGGUACUGGUCCGAAAGGGCAUGG 60
chr-1D.trna105-Leu-CAG   GUCAAGAUGGCCGAGUUGGUCUAAGGCGCCAGUUUCAGGUACUGGUCCGAAAGGGCAUGG 60
chr-7B.trna70-Leu-CAG    GUCAAGAUGGCCGAGUUGGUCUAAGGCGCCAGUUUCAGGUACUGGUCCGAAAGGGCAUGG 60
chr-7B.trna20-Leu-CAG    GUCAAGAUGGCCGAGUUGGUCUAAGGCGCCAGUUUCAGGUACUGGUCCGAAAGGGCAUGG 60
chr-7B.trna19-Leu-CAG    GUCAAGAUGGCCGAGUUGGUCUAAGGCGCCAGUUUCAGGUACUGGUCCGAAAGGGCAUGG 60
chr-8D.trna4-Leu-CAG     GUCAAGAUGGCCGAGUUGGUCUAAGGCGCCAGUUUCAGGUACUGGUCCGAAAGGGCAUGG 60
chr-1A.trna99-Leu-CAG    GUCAAGAUGGCCGAGUUGGUCUAAGGCGCCAGUUUCAGGUACUGGUCCGAAAGGGCAUGG 60
chr-6D.trna52-Leu-CAG    GUCAAGAUGGCCGAGUUGGUCUAAGGCGCCAGUUUCAGGUACUGGUCCGAAAGGGCAUGG 60
chr-6C.trna52-Leu-CAG    GUCAAGAUGGCCGAGUUGGUCUAAGGCGCCAGUUUCAGGUACUGGUCCGAAAGGGCAUGG 60
chr-6C.trna51-Leu-CAG    GUCAAGAUGGCCGAGUUGGUCUAAGGCGCCAGUUUCAGGUACUGGUCCGAAAGGGCAUGG 60
chr-6B.trna56-Leu-CAG    GUCAAGAUGGCCGAGUUGGUCUAAGGCGCCAGUUUCAGGUACUGGUCCGAAAGGGCAUGG 60
chr-6B.trna54-Leu-CAG    GUCAAGAUGGCCGAGUUGGUCUAAGGCGCCAGUUUCAGGUACUGGUCCGAAAGGGCAUGG 60
chr-6A.trna78-Leu-CAG    GUCAAGAUGGCCGAGUUGGUCUAAGGCGCCAGUUUCAGGUACUGGUCCGAAAGGGCAUGG 60
chr-5C.trna18-Leu-CAG    GUCAAGAUGGCCGAGUUGGUCUAAGGCGCCAGUUUCAGGUACUGGUCCGAAAGGGCAUGG 60
chr-5A.trna55-Leu-CAG    GUCAAGAUGGCCGAGUUGGUCUAAGGCGCCAGUUUCAGGUACUGGUCCGAAAGGGCAUGG 60
chr-2A.trna97-Leu-CAG    GUCAAGAUGGCCGAGUUGGUCUAAGGCGCCAGUUUCAGGUACUGGUCCGAAAGGGCAUGG 60
chr-4A.trna64-Leu-CAG    GUCAAGAUGGCCGAGUUGGUCUAAGGCGCCAGUUUCAGGUACUGGUCCGAAAGGGCAUGG 60
chr-2A.trna101-Leu-CAG   GUCAAGAUGGCCGAGUUGGUCUAAGGCGCCAGUUUCAGGUACUGGUCCGAAAGGGCAUGG 60
chr-3C.trna72-Leu-CAG    GUCAAGAUGGCCGAGUUGGUCUAAGGCGCCAGUUUCAGGUACUGGUCCGAAAGGGCAUGG 60
chr-3C.trna35-Leu-CAG    GUCAAGAUGGCCGAGUUGGUCUAAGGCGCCAGUUUCAGGUACUGGUCCGAAAGGGCAUGG 60
chr-3B.trna36-Leu-CAG    GUCAAGAUGGCCGAGUUGGUCUAAGGCGCCAGUUUCAGGUACUGGUCCGAAAGGGCAUGG 60
chr-3A.trna60-Leu-CAG    GUCAAGAUGGCCGAGUUGGUCUAAGGCGCCAGUUUCAGGUACUGGUCCGAAAGGGCAUGG 60
chr-3A.trna41-Leu-CAG    GUCAAGAUGGCCGAGUUGGUCUAAGGCGCCAGUUUCAGGUACUGGUCCGAAAGGGCAUGG 60
chr-3A.trna20-Leu-CAG    GUCAAGAUGGCCGAGUUGGUCUAAGGCGCCAGUUUCAGGUACUGGUCCGAAAGGGCAUGG 60
chr-2D.trna3-Leu-CAG     GUCAAGAUGGCCGAGUUGGUCUAAGGCGCCAGUUUCAGGUACUGGUCCGAAAGGGCAUGG 60
chr-2B.trna105-Leu-CAG   GUCAAGAUGGCCGAGUUGGUCUAAGGCGCCAGUUUCAGGUACUGGUCCGAAAGGGCAUGG 60
chr-7D.trna62-Leu-CAG    GUCAAGAUGGCCGAGUUGGUCUAAGGCGCCAGUUUCAGGUACUGGUCCGAAAGGGCAUGG 60
chr-7D.trna18-Leu-CAG    GUCAAGAUGGCCGAGUUGGUCUAAGGCGCCAGUUUCAGGUACUGGUCCGAAAGGGCAUGG 60
chr-3D.trna40-Leu-CAG    GUCAAAAUGGCCGAGUUGGUCUAAGGCGCCAGUUUCAGGUACUGGUCCGAAAGGGCAUGG 60
chr-7A.trna18-Leu-CAG    GUCAAGAUGGUCGAGUUGGUCUAAGGCGCCAGUUUCAGGUACUGGUCCGAAAGGGCAUGG 60
chr-7A.trna19-Leu-CAG    GUCAAGAUGGUCGAGUUGGUCUAAGGCGCCAGUUUCAGGUACUGGUCCGAAAGGGCAUGG 60
chr-4D.trna19-Leu-CAG    GUCAAGAUGGCCGAGUUGGUCUAAGGCGCCAGUUUCAGGUACUGGUCCGAAAGGGCAUGG 60
chr-1B.trna52-Leu-CAG    GUGAAGGUGGCCGAG-CGGUCUAAGGCGCCAGUUUCAGGGUCUGGUCCUAAAAGGCGUGG 59
                         .........10........20........30........40........50.........

                                 (.......)))))...)))))))).
chr-8B.trna40-Leu-CAG    GUUCGAAUCCCAU---UCUUGACA 81
chr-1B.trna7-Leu-CAG     GUUCGAAUCCCAU---UCUUGACA 81
chr-1B.trna14-Leu-CAG    GUUCGAAUCCCAU---UCUUGACA 81
chr-8C.trna24-Leu-CAG    GUUCGAAUCCCAU---UCUUGACA 81
chr-8C.trna23-Leu-CAG    GUUCGAAUCCCAU---UCUUGACA 81
chr-8B.trna41-Leu-CAG    GUUCGAAUCCCAU---UCUUGACA 81
chr-1B.trna100-Leu-CAG   GUUCGAAUCCCAU---UCUUGACA 81
chr-8A.trna5-Leu-CAG     GUUCGAAUCCCAU---UCUUGACA 81
chr-1D.trna9-Leu-CAG     GUUCGAAUCCCAU---UCUUGACA 81
chr-1D.trna105-Leu-CAG   GUUCGAAUCCCAU---UCUUGACA 81
chr-7B.trna70-Leu-CAG    GUUCGAAUCCCAU---UCUUGACA 81
chr-7B.trna20-Leu-CAG    GUUCGAAUCCCAU---UCUUGACA 81
chr-7B.trna19-Leu-CAG    GUUCGAAUCCCAU---UCUUGACA 81
chr-8D.trna4-Leu-CAG     GUUCGAAUCCCAU---UCUUGACA 81
chr-1A.trna99-Leu-CAG    GUUCGAAUCCCAU---UCUUGACA 81
chr-6D.trna52-Leu-CAG    GUUCGAAUCCCAU---UCUUGACA 81
chr-6C.trna52-Leu-CAG    GUUCGAAUCCCAU---UCUUGACA 81
chr-6C.trna51-Leu-CAG    GUUCGAAUCCCAU---UCUUGACA 81
chr-6B.trna56-Leu-CAG    GUUCGAAUCCCAU---UCUUGACA 81
chr-6B.trna54-Leu-CAG    GUUCGAAUCCCAU---UCUUGACA 81
chr-6A.trna78-Leu-CAG    GUUCGAAUCCCAU---UCUUGACA 81
chr-5C.trna18-Leu-CAG    GUUCGAAUCCCAU---UCUUGACA 81
chr-5A.trna55-Leu-CAG    GUUCGAAUCCCAU---UCUUGACA 81
chr-2A.trna97-Leu-CAG    GUUCGAAUCCCAU---UCUUGACA 81
chr-4A.trna64-Leu-CAG    GUUCGAAUCCCAU---UCUUGACA 81
chr-2A.trna101-Leu-CAG   GUUCGAAUCCCAU---UCUUGACA 81
chr-3C.trna72-Leu-CAG    GUUCGAAUCCCAU---UCUUGACA 81
chr-3C.trna35-Leu-CAG    GUUCGAAUCCCAU---UCUUGACA 81
chr-3B.trna36-Leu-CAG    GUUCGAAUCCCAU---UCUUGACA 81
chr-3A.trna60-Leu-CAG    GUUCGAAUCCCAU---UCUUGACA 81
chr-3A.trna41-Leu-CAG    GUUCGAAUCCCAU---UCUUGACA 81
chr-3A.trna20-Leu-CAG    GUUCGAAUCCCAU---UCUUGACA 81
chr-2D.trna3-Leu-CAG     GUUCGAAUCCCAU---UCUUGACA 81
chr-2B.trna105-Leu-CAG   GUUCGAAUCCCAU---UCUUGACA 81
chr-7D.trna62-Leu-CAG    GUUCAAAUCCCAU---UCUUGACA 81
chr-7D.trna18-Leu-CAG    GUUCAAAUCCCAU---UCUUGACA 81
chr-3D.trna40-Leu-CAG    GUUCGAAUCCCAU---UCUUGACA 81
chr-7A.trna18-Leu-CAG    GUUCGAAUCCCAU---UCUUGACA 81
chr-7A.trna19-Leu-CAG    GUUCGAAUCCCAA---UCUUGACA 81
chr-4D.trna19-Leu-CAG    GUUCUUAUCCCAU---UAUUGACA 81
chr-1B.trna52-Leu-CAG    GUUCAAAUCCCACUCUCCUCUAUA 83
                         .........70........80...
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