```
                                ((.(((((..(((...((((........(((((.......)))))))))))).........
chr-1.trna29-Leu-AAG     GA-CGAGAUGGCCGAGUUGGUCUAAGGCGCCAGAUUAAGGUUCUGGUCCGAAA------G 53
chr-2.trna27-Leu-AAG     GU-UGAGAUGGCCGAGUUGGUCUAAGGCGCCAGAUUAAGGUUCUGGUCCGAAA------G 53
chr-2.trna72-Leu-AAG     GA-CGAGAUGGCCGAGUUGGUCUAAGGCGCCAGAUUAAGGUUCUGGUCCGAAA------G 53
chr-15.trna49-Leu-AAG    GU-UGAGAUGGCCGAGUUGGUCUAAGGCGCCAGAUUAAGGUUCUGGUCCGAAA------G 53
chr-14.trna29-Leu-AAG    GU-UGAGAUGGCCGAGUUGGUCUAAGGCGCCAGAUUAAGGUUCUGGUCCGAAA------G 53
chr-14.trna27-Leu-AAG    GU-UGAGAUGGCCGAGUUGGUCUAAGGCGCCAGAUUAAGGUUCUGGUCCGAAA------G 53
chr-14.trna16-Leu-AAG    GU-UGAGAUGGCCGAGUUGGUCUAAGGCGCCAGAUUAAGGUUCUGGUCCGAAA------G 53
chr-3.trna17-Leu-AAG     GU-UGAGAUGGCCGAGUUGGUCUAAGGCGCCAGAUUAAGGUUCUGGUCCGAAA------G 53
chr-12.trna9-Leu-AAG     GA-CGAGAUGGCCGAGUUGGUCUAAGGCGCCAGAUUAAGGUUCUGGUCCGAAA------G 53
chr-3.trna65-Leu-AAG     GU-UGAGAUGGCCGAGUUGGUCUAAGGCGCCAGAUUAAGGUUCUGGUCCGAAA------G 53
chr-11.trna3-Leu-AAG     GA-CGAGAUGGCCGAGUUGGUCUAAGGCGCCAGAUUAAGGUUCUGGUCCGAAA------G 53
chr-10.trna27-Leu-AAG    GU-UGAGAUGGCCGAGUUGGUCUAAGGCGCCAGAUUAAGGUUCUGGUCCGAAA------G 53
chr-9.trna12-Leu-AAG     GU-UGAGAUGGCCGAGUUGGUCUAAGGCGCCAGAUUAAGGUUCUGGUCCGAAA------G 53
chr-8.trna51-Leu-AAG     GU-UGAGAUGGCCGAGUUGGUCUAAGGCGCCAGAUUAAGGUUCUGGUCCGAAA------G 53
chr-8.trna47-Leu-AAG     GU-UGAGAUGGCCGAGUUGGUCUAAGGCGCCAGAUUAAGGUUCUGGUCCGAAA------G 53
chr-8.trna30-Leu-AAG     GU-UGAGAUGGCCGAGUUGGUCUAAGGCGCCAGAUUAAGGUUCUGGUCCGAAA------G 53
chr-7.trna56-Leu-AAG     GU-UGAGAUGGCCGAGUUGGUCUAAGGCGCCAGAUUAAGGUUCUGGUCCGAAA------G 53
chr-7.trna46-Leu-AAG     GU-UGAGAUGGCCGAGUUGGUCUAAGGCGCCAGAUUAAGGUUCUGGUCCGAAA------G 53
chr-7.trna32-Leu-AAG     GU-UGAGAUGGCCGAGUUGGUCUAAGGCGCCAGAUUAAGGUUCUGGUCCGAAA------G 53
chr-4.trna44-Leu-AAG     GU-UGAGAUGGCCGAGUUGGUCUAAGGCGCCAGAUUAAGGUUCUGGUCCGAAA------G 53
chr-7.trna5-Leu-AAG      GU-UGAGAUGGCCGAGUUGGUCUAAGGCGCCAGAUUAAGGUUCUGGUCCGAAA------G 53
chr-4.trna51-Leu-AAG     GU-UGAGAUGGCCGAGUUGGUCUAAGGCGCCAGAUUAAGGUUCUGGUCCGAAA------G 53
chr-11.trna31-Leu-AAG    GA-CGAGAUGGCCGAGUUGGUCUAAGGCGCCAGAUUAAGGUUCUGGUCCGAAA------G 53
chr-16.trna14-Leu-AAG    GU-UGAGAUGGCCGAGUUGGUCUAAGGCGCCAGAUUAAGGUUCUGGUACGAAA------G 53
chr-12.trna52-Leu-AAG    GA-CGAGAUGGCCGAGUUGGUCUAAGGCGCCAGAUUAAGGUUCUGGUCCGAAA------G 53
chr-7.trna11-Leu-AAG     GU-UGAGAUGGCCGAGUUGG-------CGCCAGAUUAAGGUUCUGGUCCGAAA------G 46
chr-3.trna3-Leu-AAG      GAUGGAGAUGGCCGAG-CGGUCUAAGGCGCCAGAUUAAGGCUCUGGUCCGAAAGGCGUGG 59
                         .........10........20........30........40........50.........

                                ))))((((.........))))))))))).
chr-1.trna29-Leu-AAG     GGCGUGGG-UUCAAAUCCCACUCUCGUCA 81
chr-2.trna27-Leu-AAG     GGCGUGGG-UUCAAAUCCCACUCUCAACA 81
chr-2.trna72-Leu-AAG     GGCGUGGG-UUCAAAUCCCACUCUCGUCA 81
chr-15.trna49-Leu-AAG    GGCGUGGG-UUCAAAUCCCACUCUCAACA 81
chr-14.trna29-Leu-AAG    GGCGUGGG-UUCAAAUCCCACUCUCAACA 81
chr-14.trna27-Leu-AAG    GGCGUGGG-UUCAAAUCCCACUCUCAACA 81
chr-14.trna16-Leu-AAG    GGCGUGGG-UUCAAAUCCCACUCUCAACA 81
chr-3.trna17-Leu-AAG     GGCGUGGG-UUCAAAUCCCACUCUCAACA 81
chr-12.trna9-Leu-AAG     GGCGUGGG-UUCAAAUCCCACUCUCGUCA 81
chr-3.trna65-Leu-AAG     GGCGUGGG-UUCAAAUCCCACUCUCAACA 81
chr-11.trna3-Leu-AAG     GGCGUGGG-UUCAAAUCCCACUCUCGUCA 81
chr-10.trna27-Leu-AAG    GGCGUGGG-UUCAAAUCCCACUCUCAACA 81
chr-9.trna12-Leu-AAG     GGCGUGGG-UUCAAAUCCCACUCUCAACA 81
chr-8.trna51-Leu-AAG     GGCGUGGG-UUCAAAUCCCACUCUCAACA 81
chr-8.trna47-Leu-AAG     GGCGUGGG-UUCAAAUCCCACUCUCAACA 81
chr-8.trna30-Leu-AAG     GGCGUGGG-UUCAAAUCCCACUCUCAACA 81
chr-7.trna56-Leu-AAG     GGCGUGGG-UUCAAAUCCCACUCUCAACA 81
chr-7.trna46-Leu-AAG     GGCGUGGG-UUCAAAUCCCACUCUCAACA 81
chr-7.trna32-Leu-AAG     GGCGUGGG-UUCAAAUCCCACUCUCAACA 81
chr-4.trna44-Leu-AAG     GGCGUGGG-UUCAAAUCCCACUCUCAACA 81
chr-7.trna5-Leu-AAG      GGCGUGGG-UUCAAAUCCCACUCUCAACA 81
chr-4.trna51-Leu-AAG     GGCGUGGG-UUCAAAUCCCACUCUCAACA 81
chr-11.trna31-Leu-AAG    GGCGUGGG-UUCAAAUCUCACUCUCGUCA 81
chr-16.trna14-Leu-AAG    GGCGUGGG-UUCAAAUCCCACUCUCAAUA 81
chr-12.trna52-Leu-AAG    GGCGUGGGUUUCAAAUCCCACUCUCGUCA 82
chr-7.trna11-Leu-AAG     GGCGUGGG-UUCAAAUCCCACUCUCAACG 74
chr-3.trna3-Leu-AAG      GGCGUGGG-UUCAAAUCCCACUCUCCUCC 87
                         .........70........80........
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