```
                        (((((((..((((((((((.....)).)))))))(.....)))))).))(((((.....
chr-1.trna31-Glu-CTC    UCCGUUGUAGUCUAGCUGGUUAGGAUACUCGGCUCUCACCC-GAGAG-ACCCGGGUUCGA 58
chr-1.trna34-Glu-CTC    UCCGUUGUAGUCUAGCUGGUUAGGAUACUCGGCUCUCACCC-GAGAG-ACCCGGGUUCGA 58
chr-16.trna44-Glu-CTC   UCCGUUGUAGUCUAGCUGGUUAGGAUACUCGGCUCUCACCC-GAGAG-ACCCGGGUUCGA 58
chr-15.trna24-Glu-CTC   UCCGUUGUAGUCUAGCUGGUUAGGAUACUCGGCUCUCACCC-GAGAG-ACCCGGGUUCGA 58
chr-1.trna64-Glu-CTC    UCCGUUGUAGUCUAGCUGGUUAGGAUACUCGGCUCUCACCC-GAGAG-ACCCGGGUUCGA 58
chr-15.trna20-Glu-CTC   UCCGUUGUAGUCUAGCUGGUUAGGAUACUCGGCUCUCACCC-GAGAG-ACCCGGGUUCGA 58
chr-14.trna34-Glu-CTC   UCCGUUGUAGUCUAGCUGGUUAGGAUACUCGGCUCUCACCC-GAGAG-ACCCGGGUUCGA 58
chr-2.trna25-Glu-CTC    UCCGUUGUAGUCUAGCUGGUUAGGAUACUCGGCUCUCACCC-GAGAG-ACCCGGGUUCGA 58
chr-13.trna26-Glu-CTC   UCCGUUGUAGUCUAGCUGGUUAGGAUACUCGGCUCUCACCC-GAGAG-ACCCGGGUUCGA 58
chr-12.trna28-Glu-CTC   UCCGUUGUAGUCUAGCUGGUUAGGAUACUCGGCUCUCACCC-GAGAG-ACCCGGGUUCGA 58
chr-12.trna6-Glu-CTC    UCCGUUGUAGUCUAGCUGGUUAGGAUACUCGGCUCUCACCC-GAGAG-ACCCGGGUUCGA 58
chr-11.trna38-Glu-CTC   UCCGUUGUAGUCUAGCUGGUUAGGAUACUCGGCUCUCACCC-GAGAG-ACCCGGGUUCGA 58
chr-2.trna38-Glu-CTC    UCCGUUGUAGUCUAGCUGGUUAGGAUACUCGGCUCUCACCC-GAGAG-ACCCGGGUUCGA 58
chr-10.trna20-Glu-CTC   UCCGUUGUAGUCUAGCUGGUUAGGAUACUCGGCUCUCACCC-GAGAG-ACCCGGGUUCGA 58
chr-9.trna17-Glu-CTC    UCCGUUGUAGUCUAGCUGGUUAGGAUACUCGGCUCUCACCC-GAGAG-ACCCGGGUUCGA 58
chr-8.trna60-Glu-CTC    UCCGUUGUAGUCUAGCUGGUUAGGAUACUCGGCUCUCACCC-GAGAG-ACCCGGGUUCGA 58
chr-8.trna53-Glu-CTC    UCCGUUGUAGUCUAGCUGGUUAGGAUACUCGGCUCUCACCC-GAGAG-ACCCGGGUUCGA 58
chr-2.trna87-Glu-CTC    UCCGUUGUAGUCUAGCUGGUUAGGAUACUCGGCUCUCACCC-GAGAG-ACCCGGGUUCGA 58
chr-8.trna28-Glu-CTC    UCCGUUGUAGUCUAGCUGGUUAGGAUACUCGGCUCUCACCC-GAGAG-ACCCGGGUUCGA 58
chr-8.trna18-Glu-CTC    UCCGUUGUAGUCUAGCUGGUUAGGAUACUCGGCUCUCACCC-GAGAG-ACCCGGGUUCGA 58
chr-3.trna27-Glu-CTC    UCCGUUGUAGUCUAGCUGGUUAGGAUACUCGGCUCUCACCC-GAGAG-ACCCGGGUUCGA 58
chr-3.trna71-Glu-CTC    UCCGUUGUAGUCUAGCUGGUUAGGAUACUCGGCUCUCACCC-GAGAG-ACCCGGGUUCGA 58
chr-7.trna54-Glu-CTC    UCCGUUGUAGUCUAGCUGGUUAGGAUACUCGGCUCUCACCC-GAGAG-ACCCGGGUUCGA 58
chr-4.trna10-Glu-CTC    UCCGUUGUAGUCUAGCUGGUUAGGAUACUCGGCUCUCACCC-GAGAG-ACCCGGGUUCGA 58
chr-7.trna7-Glu-CTC     UCCGUUGUAGUCUAGCUGGUUAGGAUACUCGGCUCUCACCC-GAGAG-ACCCGGGUUCGA 58
chr-6.trna84-Glu-CTC    UCCGUUGUAGUCUAGCUGGUUAGGAUACUCGGCUCUCACCC-GAGAG-ACCCGGGUUCGA 58
chr-6.trna73-Glu-CTC    UCCGUUGUAGUCUAGCUGGUUAGGAUACUCGGCUCUCACCC-GAGAG-ACCCGGGUUCGA 58
chr-6.trna30-Glu-CTC    UCCGUUGUAGUCUAGCUGGUUAGGAUACUCGGCUCUCACCC-GAGAG-ACCCGGGUUCGA 58
chr-4.trna11-Glu-CTC    UCCGUUGUAGUCUAGCUGGUUAGGAUACUCGGCUCUCACCC-GAGAG-ACCCGGGUUCGA 58
chr-5.trna42-Glu-CTC    UCCGUUGUAGUCUAGCUGGUUAGGAUACUCGGCUCUCACCC-GAGAG-ACCCGGGUUCGA 58
chr-5.trna15-Glu-CTC    UCCGUUGUAGUCUAGCUGGUUAGGAUACUCGGCUCUCACCC-GAGAG-ACCCGGGUUCGA 58
chr-4.trna55-Glu-CTC    UCCGUUGUAGUCUAGCUGGUUAGGAUACUCGGCUCUCACCC-GAGAG-ACCCGGGUUCGA 58
chr-11.trna20-Glu-CTC   UCCGUUGUAGUCUAGUUGGUUAGGAUACUCGGCUCUCACCC-GAGAG-ACCCGGGUUCGA 58
chr-7.trna55-Glu-CTC    UCCGUUGUAGUCUAGCUGGUUAGGAUACUCGGCUCUCACCC-GAGAG-ACCCGGGUUCGA 58
chr-1.trna85-Glu-CTC    UUCGUUGUAGUCUAGCUGGUUAGGAUACUCGGCUCUCACCC-GAGAG-A-CCGGGUUCGA 57
chr-5.trna49-Glu-CTC    UCCGUUGUAGUCUAGUUGGUUAGGAUACUCGGCUCUCACCC-GAGAA-ACCCGGGUUCGA 58
chr-4.trna16-Glu-CTC    UCCGUUGUAGUCUAGGUGGUUAGGAUACUCGGCUCUCACCC-AAGAG-ACCCAGGUUCGA 58
chr-15.trna21-Glu-CTC   UCCGUUGUAGUCUAGCUGGUUAGGAUGCUCGGCUCUCACCC-GAGAG-AUCCGGGUUCGA 58
chr-3.trna29-Glu-CTC    UCCGUUGUAGUCUAGCUGGUUAGGAUGCUCGACUCUCACCCUGAGAG-ACCCGGGUUCGU 59
chr-13.trna32-Glu-CTC   UCCGUUCUAGUCUAGCUGGUUAGGAUACUCGGCUCUCACCC-GAGAGAACCGCGGUUCGA 59
chr-8.trna29-Glu-CTC    UCCGUUGUAGUCUAGCUGGUUAGGAUACUCGGCCCUCACCC-GAGAG-ACACGGGUUGGA 58
chr-3.trna63-Glu-CTC    UCCGUUGU-GUCUAGCUGGUUAGGAUACUCGGCUCUCACCA-GAGAG-ACCCGGGUUCGA 57
chr-7.trna37-Glu-CTC    UCCGUUGUAGUCUAGCUGGUUAGGAUACUCGGCUCUCGCCC-GAGAG-ACCCGGGUUCGAG 58
chr-8.trna2-Glu-CTC     -----GAUAAUCUAGUUGGUUAGGAUACUGGGCUCUCACCC-GAGAG-ACCCGGGUUCGA 53
                        .........10........20........30........40........50.........

                        ....))))))))))))..
chr-1.trna31-Glu-CTC    --GUCCCGGCAACGGA-A 73
chr-1.trna34-Glu-CTC    --GUCCCGGCAACGGA-A 73
chr-16.trna44-Glu-CTC   --GUCCCGGCAACGGA-A 73
chr-15.trna24-Glu-CTC   --GUCCCGGCAACGGA-A 73
chr-1.trna64-Glu-CTC    --GUCCCGGCAACGGA-A 73
chr-15.trna20-Glu-CTC   --GUCCCGGCAACGGA-A 73
chr-14.trna34-Glu-CTC   --GUCCCGGCAACGGA-A 73
chr-2.trna25-Glu-CTC    --GUCCCGGCAACGGA-A 73
chr-13.trna26-Glu-CTC   --GUCCCGGCAACGGA-A 73
chr-12.trna28-Glu-CTC   --GUCCCGGCAACGGA-A 73
chr-12.trna6-Glu-CTC    --GUCCCGGCAACGGA-A 73
chr-11.trna38-Glu-CTC   --GUCCCGGCAACGGA-A 73
chr-2.trna38-Glu-CTC    --GUCCCGGCAACGGA-A 73
chr-10.trna20-Glu-CTC   --GUCCCGGCAACGGA-A 73
chr-9.trna17-Glu-CTC    --GUCCCGGCAACGGA-A 73
chr-8.trna60-Glu-CTC    --GUCCCGGCAACGGA-A 73
chr-8.trna53-Glu-CTC    --GUCCCGGCAACGGA-A 73
chr-2.trna87-Glu-CTC    --GUCCCGGCAACGGA-A 73
chr-8.trna28-Glu-CTC    --GUCCCGGCAACGGA-A 73
chr-8.trna18-Glu-CTC    --GUCCCGGCAACGGA-A 73
chr-3.trna27-Glu-CTC    --GUCCCGGCAACGGA-A 73
chr-3.trna71-Glu-CTC    --GUCCCGGCAACGGA-A 73
chr-7.trna54-Glu-CTC    --GUCCCGGCAACGGA-A 73
chr-4.trna10-Glu-CTC    --GUCCCGGCAACGGA-A 73
chr-7.trna7-Glu-CTC     --GUCCCGGCAACGGA-A 73
chr-6.trna84-Glu-CTC    --GUCCCGGCAACGGA-A 73
chr-6.trna73-Glu-CTC    --GUCCCGGCAACGGA-A 73
chr-6.trna30-Glu-CTC    --GUCCCGGCAACGGA-A 73
chr-4.trna11-Glu-CTC    --GUCCCGGCAACGGA-A 73
chr-5.trna42-Glu-CTC    --GUCCCGGCAACGGA-A 73
chr-5.trna15-Glu-CTC    --GUCCCGGCAACGGA-A 73
chr-4.trna55-Glu-CTC    --UUCCCGGCAACGGA-A 73
chr-11.trna20-Glu-CTC   --AUCCCGGCAACGGA-A 73
chr-7.trna55-Glu-CTC    --GUCCCGGCAAUGGA-A 73
chr-1.trna85-Glu-CTC    --GUCCCGGCAACGGA-A 72
chr-5.trna49-Glu-CTC    --GUCCCGGCAACGGA-A 73
chr-4.trna16-Glu-CTC    --GUCCCGGCAACGGA-A 73
chr-15.trna21-Glu-CTC   --GUCCCGACAACGGGAA 74
chr-3.trna29-Glu-CTC    --GUCCCGGCAACGGA-A 74
chr-13.trna32-Glu-CTC   --GUUCCGGCAACGGA-A 74
chr-8.trna29-Glu-CTC    --GUCCCGGCAACGGA-A 73
chr-3.trna63-Glu-CTC    ---UCCCGGCAACGGA-A 71
chr-7.trna37-Glu-CTC    UCGUCCCGGCAACGGA-A 75
chr-8.trna2-Glu-CTC     --AUUCCGGCAACG---- 65
                        .........70.......
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