```
                                (((.((((....((((.........)))).(((((.......)))))).....(((((.
chr-VII.trna13-Glu-TTC     GUC-CCUUUC--GUCUAG-CGGUUCAAGAUCUCUUCUUUUCAUGUCGAAG--ACACGGGU 54
chr-VI.trna31-Glu-TTC      GCC-CCUAUC--GUCUAG-UGGUUCAGAACAUCUCUCUUUCAAGGAGGCA--GCGGGGAU 54
chr-VII.trna68-Glu-CTC     UCC-AUUGCA--GUCUAG-CUGGUUAGGAUAUUUGGCUCUCACCUGAGAG--ACCUGGGU 54
chr-I.trna48-Glu-CTC       UCC-GUUGUA--GUCUAG-CUGGUUAGGAUACUCGGCUCUCACCGAGAG--ACCCGGGU 54
chr-I.trna56-Glu-CTC       UCC-GUUGUA--GUCUAG-CUGGUUAGGAUACUCGGCUCUCACCGAGAG--ACCCGGGU 54
chr-IX.trna7-Glu-CTC       UCC-GUUGUA--GUCUAG-CUGGUUAGGAUACUCGGCUCUCACCGAGAG--ACCCGGGU 54
chr-IX.trna14-Glu-CTC      UCC-GUUGUA--GUCUAG-CUGGUUAGGAUACUCGGCUCUCACCGAGAG--ACCCGGGU 54
chr-I.trna12-Glu-CTC       UCC-GUUGUA--GUCUAG-CUGGUUAGGAUACUCGGCUCUCACCGAGAG--ACCCGGGU 54
chr-VII.trna65-Glu-CTC     UCC-GUUGUA--GUCUAG-CUGGUUAGGAUACUCGGCUCUCACCGAGAG--ACCCGGGU 54
chr-IX.trna52-Glu-CTC      UCC-GUUGUA--GUCUAG-CUGGUUAGGAUACUCGGCUCUCACCGAGAG--ACCCGGGU 54
chr-II.trna33-Glu-CTC      UCC-GUUGUA--GUCUAG-CUGGUUAGGAUACUCGGCUCUCACCGAGAG--ACCCGGGU 54
chr-II.trna49-Glu-CTC      UCC-GUUGUA--GUCUAG-CUGGUUAGGAUACUCGGCUCUCACCGAGAG--ACCCGGGU 54
chr-II.trna74-Glu-CTC      UCC-GUUGUA--GUCUAG-CUGGUUAGGAUACUCGGCUCUCACCGAGAG--ACCCGGGU 54
chr-IX.trna5-Glu-CTC       UCC-GUUGUA--GUCUAG-CUGGUUAGGAUACUCGGCUCUCACCGAGAG--ACCCGGGU 54
chr-II.trna89-Glu-CTC      UCC-GUUGUA--GUCUAG-CUGGUUAGGAUACUCGGCUCUCACCGAGAG--ACCCGGGU 54
chr-III.trna3-Glu-CTC      UCC-GUUGUA--GUCUAG-CUGGUUAGGAUACUCGGCUCUCACCGAGAG--ACCCGGGU 54
chr-VI.trna28-Glu-CTC      UCC-GUUGUA--GUCUAG-CUGGUUAGGAUACUCGGCUCUCACCGAGAG--ACCCGGGU 54
chr-VI.trna24-Glu-CTC      UCC-GUUGUA--GUCUAG-CUGGUUAGGAUACUCGGCUCUCACCGAGAG--ACCCGGGU 54
chr-V.trna74-Glu-CTC       UCC-GUUGUA--GUCUAG-CUGGUUAGGAUACUCGGCUCUCACCGAGAG--ACCCGGGU 54
chr-III.trna19-Glu-CTC     UCC-GUUGUA--GUCUAG-CUGGUUAGGAUACUCGGCUCUCACCGAGAG--ACCCGGGU 54
chr-V.trna62-Glu-CTC       UCC-GUUGUA--GUCUAG-CUGGUUAGGAUACUCGGCUCUCACCGAGAG--ACCCGGGU 54
chr-V.trna61-Glu-CTC       UCC-GUUGUA--GUCUAG-CUGGUUAGGAUACUCGGCUCUCACCGAGAG--ACCCGGGU 54
chr-V.trna22-Glu-CTC       UCC-GUUGUA--GUCUAG-CUGGUUAGGAUACUCGGCUCUCACCGAGAG--ACCCGGGU 54
chr-V.trna15-Glu-CTC       UCC-GUUGUA--GUCUAG-CUGGUUAGGAUACUCGGCUCUCACCGAGAG--ACCCGGGU 54
chr-V.trna8-Glu-CTC        UCC-GUUGUA--GUCUAG-CUGGUUAGGAUACUCGGCUCUCACCGAGAG--ACCCGGGU 54
chr-III.trna32-Glu-CTC     UCC-GUUGUA--GUCUAG-CUGGUUAGGAUACUCGGCUCUCACCGAGAG--ACCCGGGU 54
chr-IV.trna30-Glu-CTC      UCC-GUUGUA--GUCUAG-CUGGUUAGGAUACUCGGCUCUCACCGAGAG--ACCCGGGU 54
chr-IX.trna56-Glu-CTC      UCC-GUUGUA--GUCUAG-CUGGUUAGGAUACUCGGCUCUCACCGAGAG--ACCCGGGU 54
chr-V.trna7-Glu-CTC        UCUAGUUGUA--GUCUAG-CUGGUUAGGAUACUCGGCUCUCACCGAGAG--ACCCGGGU 55
chr-VII.trna25-Glu-TTC     UCC-GUUGUC--GUCCAG-C-GGUUAGGAUAUCUGGCUUUCACCCAGGAG--ACCCGGGU 53
chr-IX.trna123-Glu-CTC     UCC-AUUGUA--GUCUAG-CUGGUUAGGAUACUCGGCUCUCACCGAGAG--ACCCGGGU 54
chr-II.trna1-Glu-TTC       UCC-AUUGUC--GUCUAGUCCGGUUAGGAUACCUGGCUUUCACCCAGGCG--ACCCGGGU 55
chr-VII.trna48-Glu-TTC     UCC-AUUGUC--GUCUAGUCCGGUUAGGAUACUGGCUUUCACCCAGACG--ACCCGGGU 55
chr-III.trna53-Glu-TTC     UCC-AUUGUC--GUCUAGUCCGGUUAGGAUACCUGGCUUUCACCCAGGCG--ACCCGGGU 55
chr-III.trna61-Glu-TTC     UCC-AUUGUC--GUCUAGUCCGGUUAGGAUACCUGGCUUUCACCCAGGCG--ACCCGGGU 55
chr-VII.trna57-Glu-TTC     UCC-AUUGUC--GUCUAGUCCGGUUAGGAUACCUGGCUUUCACCCAGGCG--ACCCGGGU 55
chr-VIII.trna10-Glu-TTC    UCC-AUUGUC--GUCUAGUCCGGUUAGGAUACCUGGCUUUCACCCAGGCG--ACCCGGGU 55
chr-IX.trna16-Glu-TTC      UCC-AUUGUC--GUCUAGUCCGGUUAGGAUACCUGGCUUUCACCCAGGCG--ACCCGGGU 55
chr-VIII.trna27-Glu-TTC    UCC-AUUGUC--GUCUAGUCCGGUUAGGAUACCUGGCUUUCACCCAGGCG--ACCCGGGU 55
chr-VIII.trna34-Glu-TTC    UCC-AUUGUC--GUCUAGUCCGGUUAGGAUACCUGGCUUUCACCCAGGCG--ACCCGGGU 55
chr-III.trna55-Glu-TTC     UCC-AUUGUC--GUCCAGCCCGGUUAGGAUACCUGGCUUUCACCCAGGCG--ACCCGGGU 55
chr-VI.trna47-Glu-TTC      UCC-AUUGUC--AUCUAGUCCGGUUAGGAUACCUGGCUUUCACCCAGGCGACACCCGGGU 57
chr-IX.trna82-Glu-TTC      UCC-GUUGUC--GUCUAGUCCGGUUAGGAUACCUGGCUUUCAUCCAGGCG--ACCAAGGU 55
chr-V.trna68-Glu-TTC       GUC-GUUGUA--GUAUAG--UGGUGAGUAUUCCCGCCUUUCACGCGGGUG--ACCCGGGU 53
chr-III.trna51-Glu-TTC     GGG-GAUGUA--GCUCAA-UUGGUAGAGCACUAAGUAUUUCAUGCUAGAGGCAC-AGUGU 55
chr-VII.trna55-Glu-TTC     GUCCGUUGAAACUUCUAGUCCGGUUAGGAUACCUGGCUUUCACCCAGGCG--ACCCGGGU 58
chr-II.trna84-Glu-TTC      GAC----CUA--GCUCAG---UGGUAGAGCGCGUGGCUUUCAACCACAUGGUCGUGGUAA 51
chr-II.trna85-Glu-TTC      GAC----CUA--GCUCAG---UGGUAGAGCGCGUGGCUUUCAACCACAUGGUCGUGGUAA 51
chr-VIII.trna11-Glu-TTC    GAC----CUA--GCUCAG---UGGUAGAGCGCGUGGCUUUCAACCACAUGGUCGUGGUAA 51
                           .........10.........20.........30.........40.........50.........

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chr-VII.trna13-Glu-TTC     U--CGAUUCCCGUAAGG--GAUC 73
chr-VI.trna31-Glu-TTC      U--CGACUUCCCCUGAG--GGUA 73
chr-VII.trna68-Glu-CTC     U--UGAGUCCUCGCAAC--GGAA 73
chr-I.trna48-Glu-CTC       U--CGAGUCCCGGCAAC--GGAA 73
chr-I.trna56-Glu-CTC       U--CGAGUCCCGGCAAC--GGAA 73
chr-IX.trna7-Glu-CTC       U--CGAGUCCCGGCAAC--GGAA 73
chr-IX.trna14-Glu-CTC      U--CGAGUCCCGGCAAC--GGAA 73
chr-I.trna12-Glu-CTC       U--CGAGUCCCGGCAAC--GGAA 73
chr-VII.trna65-Glu-CTC     U--CGAGUCCCGGCAAC--GGAA 73
chr-IX.trna52-Glu-CTC      U--CGAGUCCCGGCAAC--GGAA 73
chr-II.trna33-Glu-CTC      U--CGAGUCCCGGCAAC--GGAA 73
chr-II.trna49-Glu-CTC      U--CGAGUCCCGGCAAC--GGAA 73
chr-II.trna74-Glu-CTC      U--CGAGUCCCGGCAAC--GGAA 73
chr-IX.trna5-Glu-CTC       U--CGAGUCCCGGCAAC--GGAA 73
chr-II.trna89-Glu-CTC      U--CGAGUCCCGGCAAC--GGAA 73
chr-III.trna3-Glu-CTC      U--CGAGUCCCGGCAAC--GGAA 73
chr-VI.trna28-Glu-CTC      U--CGAGUCCCGGCAAC--GGAA 73
chr-VI.trna24-Glu-CTC      U--CGAGUCCCGGCAAC--GGAA 73
chr-V.trna74-Glu-CTC       U--CGAGUCCCGGCAAC--GGAA 73
chr-III.trna19-Glu-CTC     U--CGAGUCCCGGCAAC--GGAA 73
chr-V.trna62-Glu-CTC       U--CGAGUCCCGGCAAC--GGAA 73
chr-V.trna61-Glu-CTC       U--CGAGUCCCGGCAAC--GGAA 73
chr-V.trna22-Glu-CTC       U--CGAGUCCCGGCAAC--GGAA 73
chr-V.trna15-Glu-CTC       U--CGAGUCCCGGCAAC--GGAA 73
chr-V.trna8-Glu-CTC        U--CGAGUCCCGGCAAC--GGAA 73
chr-III.trna32-Glu-CTC     U--CGAGUCCCGGCAAC--GGAA 73
chr-IV.trna30-Glu-CTC      U--CGAGUCCCGGCAAC--GGAA 73
chr-IX.trna56-Glu-CTC      U--CGAGUCCCGGCAAC--GGAA 73
chr-V.trna7-Glu-CTC        U--CGAGUCCCGGCAAC--GGAA 74
chr-VII.trna25-Glu-TTC     U--CGAUUCCCGGCAAC--GGAA 72
chr-IX.trna123-Glu-CTC     U--UGAGUCC---CAAC--GGAA 70
chr-II.trna1-Glu-TTC       U--CAAAUCCCGGCAAU--GGAA 74
chr-VII.trna48-Glu-TTC     U--CAAAUCCCGGCAAU--GGAA 74
chr-III.trna53-Glu-TTC     U--CAAAUCCCGGCAAU--GGAA 74
chr-III.trna61-Glu-TTC     U--CAAAUCCCGGCAAU--GGAA 74
chr-VII.trna57-Glu-TTC     U--CAAAUCCCGGCAAU--GGAA 74
chr-VIII.trna10-Glu-TTC    U--CAAAUCCCGGCAAU--GGAA 74
chr-IX.trna16-Glu-TTC      U--CAAAUCCCGGCAAU--GGAA 74
chr-VIII.trna27-Glu-TTC    U--CAAAUCCCGGCAAU--GGAA 74
chr-VIII.trna34-Glu-TTC    U--CAAAUCCCGGCAAU--GGAA 74
chr-III.trna55-Glu-TTC     U--CAAAUCCCGGCAAU--GGAA 74
chr-VI.trna47-Glu-TTC      U--CAAAUCCCGGCAAU--GGAA 76
chr-IX.trna82-Glu-TTC      U--CACAUCCCGGUAAG--GGAA 74
chr-V.trna68-Glu-TTC       U--CGAUCCCCGGCAAC--GGCG 72
chr-III.trna51-Glu-TTC     U--CAAUUCCUCUCAUC--UCCA 74
chr-VII.trna55-Glu-TTC     UCCCAAAUCCCGGAAAUCGAACU 81
chr-II.trna84-Glu-TTC      UUUUGACAUGCCACGCUGUAACA 74
chr-II.trna85-Glu-TTC      UUUUGACAUGCCACGCUGUAACA 74
chr-VIII.trna11-Glu-TTC    UUUUGACAUGCCACGCUGUAACA 74
                           .........70.........80..

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