```
                                (((((((..((((.........)))).(((((.......)))))).....(((((.......
chr-11.trna108-Glu-CTC    UCCGUUGUAGUCUAGU-UGGUUAGGAUACUCGGCUCUCACCCGAGAGACCCGGGUUCGAG 59
chr-2.trna20-Glu-CTC      UCCGUUGUAGUCUAGU-UGGUUAGGAUACUCGGCUCUCACCCGAGAGACCCGGGUUCGAG 59
chr-11.trna20-Glu-CTC     UCCGUUGUAGUCUAGU-UGGUUAGGAUACUCGGCUCUCACCCGAGAGACCCGGGUUCGAG 59
chr-9.trna9-Glu-CTC       UCCGUUGUAGUCUAGU-UGGUUAGGAUACUCGGCUCUCACCCGAGAGACCCGGGUUCGAG 59
chr-2.trna43-Glu-CTC      UCCGUUGUAGUCUAGU-UGGUUAGGAUACUCGGCUCUCACCCGAGAGACCCGGGUUCGAG 59
chr-10.trna40-Glu-CTC     UCCGUUGUAGUCUAGU-UGGUUAGGAUACUCGGCUCUCACCCGAGAGACCCGGGUUCGAG 59
chr-8.trna33-Glu-CTC      UCCGUUGUAGUCUAGU-UGGUUAGGAUACUCGGCUCUCACCCGAGAGACCCGGGUUCGAG 59
chr-7.trna78-Glu-CTC      UCCGUUGUAGUCUAGU-UGGUUAGGAUACUCGGCUCUCACCCGAGAGACCCGGGUUCGAG 59
chr-7.trna70-Glu-CTC      UCCGUUGUAGUCUAGU-UGGUUAGGAUACUCGGCUCUCACCCGAGAGACCCGGGUUCGAG 59
chr-7.trna66-Glu-CTC      UCCGUUGUAGUCUAGU-UGGUUAGGAUACUCGGCUCUCACCCGAGAGACCCGGGUUCGAG 59
chr-7.trna65-Glu-CTC      UCCGUUGUAGUCUAGU-UGGUUAGGAUACUCGGCUCUCACCCGAGAGACCCGGGUUCGAG 59
chr-2.trna44-Glu-CTC      UCCGUUGUAGUCUAGU-UGGUUAGGAUACUCGGCUCUCACCCGAGAGACCCGGGUUCGAG 59
chr-10.trna41-Glu-CTC     UCCGUUGUAGUCUAGU-UGGUUAGGAUACUCGGCUCUCACCCGAGAGACCCGGGUUCGAG 59
chr-4.trna11-Glu-CTC      UCCGUUGUAGUCUAGU-UGGUUAGGAUACUCGGCUCUCACCCGAGAGACCCGGGUUCGAG 59
chr-5.trna65-Glu-CTC      UCCGUUGUAGUCUAGU-UGGUUAGGAUACUCGGCUCUCACCCGAGAGACCCGGGUUCGAG 59
chr-6.trna52-Glu-CTC      UCCGUUGUAGUCUAGU-UGGUUAGGAUACUCGGCUCUCACCCGAGAGACCCGGGUUCGAG 59
chr-10.trna55-Glu-CTC     UCCGUUGUAGUCUAGU-UGGUUAGGAUACUCGGCUCUCACCCGAGAGACCCGGGUUCGAG 59
chr-10.trna56-Glu-CTC     UCCGUUGUAGUCUAGU-UGGUUAGGAUACUCGGCUCUCACCCGAGAGACCCGGGUUCGAG 59
chr-2.trna45-Glu-CTC      UCCGUUGUAGUCUAGU-UGGUUAGGAUACUCGGCUCUCACCCGAGAGACCCGGGUUCGAG 59
chr-3.trna33-Glu-CTC      UCCGUUGUUGUCUAGU-UGGUUAGGAUACUCGGCUCUCACCCGAGAGACCCGGGUUCGAG 59
chr-7.trna1-Glu-CTC       UCCGUUGUAGUCUAGU-UGGUUAGGAUACUCGGCUCUCACCCGAGAGACCCGGGUUCAAG 59
chr-9.trna6-Glu-CTC       CCCGUUGUAGUCUAGU-UGGUUAGGAUACUCGGCUCUCACCCGAGAGACCCGGGUUCGAG 59
chr-3.trna4-Glu-CTC       UCCGUUGUAGUCUAGU-UGGUUAGGAUACUCGGCUCUCACCCCAGAGACCCGGGUUCGAG 59
chr-5.trna66-Glu-CTC      UCCGUUGUAGUCUAGU-UGGUUAGGAUACUCGGCUCUCACCCGAGAGACCGGGGUUCGAG 59
chr-7.trna64-Glu-CTC      UCCGUUGUAGUCUAGU-UGGUUACGAUACUCGGCUCUCACCCGAGAGACCCCGGUU--AG 57
chr-1.trna2-Glu-TTC       UCCAUUGUCGUCUAGUCCGGUUAGGAUACCUGGCUUUCACCCAGGCGACCCGGGUUCAAA 60
chr-1.trna22-Glu-TTC      UCCAUUGUCGUCUAGUCCGGUUAGGAUACCUGGCUUUCACCCAGGCGACCCGGGUUCAAA 60
chr-2.trna41-Glu-TTC      UCCAUUGUCGUCUAGUCCGGUUAGGAUACCUGGCUUUCACCCAGGCGACCCGGGUUCAAA 60
chr-6.trna53-Glu-TTC      UCCAUUGUCGUCUAGUCCGGUUAGGAUACCUGGCUUUCACCCAGGCGACCCGGGUUCAAA 60
chr-6.trna54-Glu-TTC      UCCAUUGUCGUCUAGUCCGGUUAGGAUACCUGGCUUUCACCCAGGCGACCCGGGUUCAAA 60
chr-6.trna57-Glu-TTC      UCCAUUGUCGUCUAGUCCGGUUAGGAUACCUGGCUUUCACCCAGGCGACCCGGGUUCAAA 60
chr-7.trna3-Glu-TTC       UCCAUUGUCGUCUAGUCCGGUUAGGAUACCUGGCUUUCACCCAGGCGACCCGGGUUCAAA 60
chr-8.trna64-Glu-TTC      UCCAUUGUCGUCUAGUCCGGUUAGGAUACCUGGCUUUCACCCAGGCGACCCGGGUUCAAA 60
chr-8.trna65-Glu-TTC      UCCAUUGUCGUCUAGUCCGGUUAGGAUACCUGGCUUUCACCCAGGCGACCCGGGUUCAAA 60
chr-8.trna66-Glu-TTC      UCCAUUGUCGUCUAGUCCGGUUAGGAUACCUGGCUUUCACCCAGGCGACCCGGGUUCAAA 60
chr-10.trna4-Glu-TTC      UCCGUUGUCGUCUAGUCCGGUUAGGAUACCUGGCUUUCACCCAGGCGACCCGGGUUCAAA 60
chr-9.trna42-Glu-TTC      UCCAUUGUCGUCUAGUCCGGUUAGGAUACCUGGCUUUCACCCAGGCGACCCGGGUUCAAA 60
chr-9.trna41-Glu-TTC      UCCAUUGUCGUCUAGUCCGGUUAGGAUACCUGGCUUUCACCCAGGCGACCCGGGUUCAAA 60
chr-9.trna13-Glu-TTC      UCCAUUGUCGUCUAGUCCGGUUAGGAUACCUGGCUUUCACCCAGGCGACCCGGGUUCAAA 60
chr-10.trna21-Glu-TTC     UCCAUUGUCGUCCAGUCCGGUUAGGAUACCUGGCUUUCACCCAGGCGACCCGGGUUCAAA 60
chr-6.trna64-Glu-TTC      UCCAUUGUCAUCUAGUCUGGUUAGGAUUCCUGGCUUUCAUCCAGGCGACCCGGGUUCAAA 60
chr-6.trna63-Glu-TTC      UCCAUUGUA-UCUAGUCUUGGUAGGAUUCCUGGCUUUCAUCCAGGCGACCCGGGUUCAAA 59
chr-11.trna4-Glu-TTC      GUCCCUUUCGUCCAGU--GGUUAGGACAUCAUCUUUUCAUGUCGAAGACACAAGUUUGA- 57
                          .........10........20........30........40........50.........

                          .)))))))))))....).
chr-11.trna108-Glu-CTC    UCCCGGCAACGG----AA 73
chr-2.trna20-Glu-CTC      UCCCGGCAACGG----AA 73
chr-11.trna20-Glu-CTC     UCCCGGCAACGG----AA 73
chr-9.trna9-Glu-CTC       UCCCGGCAACGG----AA 73
chr-2.trna43-Glu-CTC      UCCCGGCAACGG----AA 73
chr-10.trna40-Glu-CTC     UCCCGGCAACGG----AA 73
chr-8.trna33-Glu-CTC      UCCCGGCAACGG----AA 73
chr-7.trna78-Glu-CTC      UCCCGGCAACGG----AA 73
chr-7.trna70-Glu-CTC      UCCCGGCAACGG----AA 73
chr-7.trna66-Glu-CTC      UCCCGGCAACGG----AA 73
chr-7.trna65-Glu-CTC      UCCCGGCAACGG----AA 73
chr-2.trna44-Glu-CTC      UCCCGGCAACGG----AA 73
chr-10.trna41-Glu-CTC     UCCCGGCAACGG----AA 73
chr-4.trna11-Glu-CTC      UCCCGGCAACGG----AA 73
chr-5.trna65-Glu-CTC      UCCCGGCAACGG----AA 73
chr-6.trna52-Glu-CTC      UCCCGGCAACGG----AA 73
chr-10.trna55-Glu-CTC     UCCCGGCAACGG----AA 73
chr-10.trna56-Glu-CTC     UCCCGGCAACGG----AA 73
chr-2.trna45-Glu-CTC      UCUCGGCAACGG----AA 73
chr-3.trna33-Glu-CTC      UCCCGGCAACGG----AA 73
chr-7.trna1-Glu-CTC       UCCCGGCAACGG----AA 73
chr-9.trna6-Glu-CTC       UCCCGGCAACGG----AA 73
chr-3.trna4-Glu-CTC       UCCCGGCAACGG----AA 73
chr-5.trna66-Glu-CTC      UCCUGGCAACGG----AA 73
chr-7.trna64-Glu-CTC      UCCCGGCAACGG----AA 71
chr-1.trna2-Glu-TTC       UCCCGGCAAUGG----AA 74
chr-1.trna22-Glu-TTC      UCCCGGCAAUGG----AA 74
chr-2.trna41-Glu-TTC      UCCCGGCAAUGG----AA 74
chr-6.trna53-Glu-TTC      UCCCGGCAAUGG----AA 74
chr-6.trna54-Glu-TTC      UCCCGGCAAUGG----AA 74
chr-6.trna57-Glu-TTC      UCCCGGCAAUGG----AA 74
chr-7.trna3-Glu-TTC       UCCCGGCAAUGG----AA 74
chr-8.trna64-Glu-TTC      UCCCGGCAAUGG----AA 74
chr-8.trna65-Glu-TTC      UCCCGGCAAUGG----AA 74
chr-8.trna66-Glu-TTC      UCCCGGCAAUGG----AA 74
chr-10.trna4-Glu-TTC      UCCCGGCAACGG----AA 74
chr-9.trna42-Glu-TTC      UCCCGGCAAUGG----AA 74
chr-9.trna41-Glu-TTC      UCCCGGCAAUGG----AA 74
chr-9.trna13-Glu-TTC      UUCCGGCAAUGG----AA 74
chr-10.trna21-Glu-TTC     UCCCGGCAAUGG----AA 74
chr-6.trna64-Glu-TTC      UCCCGGCAAUGG----AA 74
chr-6.trna63-Glu-TTC      UCCCGGCAAUGGUCUGAU 77
chr-11.trna4-Glu-TTC      UUCCGUAAGGGA----UA 71
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                          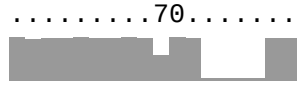
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