```
                                 ((((((((.(...((((((.........(((.(.(((((((...)))))))).).)))..
chr-2C.trna80-Thr-AGT    GCUUUCGUAGCUCAGUUGG--------UUAGAGCACCCGUUUAGUAAGCGGGAGGUCUUG 52
chr-2C.trna81-Thr-AGT    GCUUUCGUAGCUCAGUUGG--------UUAGAGCACCCGUUUAGUAAGCGGGAGGUCUUG 52
chr-7D.trna44-Thr-AGT    GCUUUCGUAGCUCAGUUGG--------UUAGAGCACCCGUUUAGUAAGCGGGAGGUCUUG 52
chr-7D.trna43-Thr-AGT    GCUUUCGUAGCUCAGUUGG--------UUAGAGCACCCGUUUAGUAAGCGGGAGGUCUUG 52
chr-7B.trna47-Thr-AGT    GCUUUCGUAGCUCAGUUGG--------UUAGAGCACCCGUUUAGUAAGCGGGAGGUCUUG 52
chr-7C.trna53-Thr-AGT    GCUUUCGUAGCUCAGUUGG--------UUAGAGCACCCGUUUAGUAAGCGGGAGGUCUUG 52
chr-5B.trna3-Thr-AGT     GCUUUCAUAGCUCAGUUGG--------UUAGAGCACCCGUUUAGUAAGCGGGAGGUCUUG 52
chr-5D.trna7-Thr-AGT     GCUUUCAUAGCUCAGUUGG--------UUAGAGCACCCGUUUAGUAAGCGGGAGGUCUUG 52
chr-1A.trna61-Thr-AGT    GCUUUCGUAGCUCAGUUGG--------UUAGAGCACCCGUUUAGUAAGCGGGAGGUCUUG 52
chr-7B.trna35-Thr-AGT    GUUCUCGUAGCUCAGUUGG--------UUAGAGCACCCGUUUAGUAAGCGGGAGGUCUUG 52
chr-1A.trna66-Thr-AGT    GCUUUCGUAGCUCAGUUGG--------UUAGAGCACCCGUUUAGUAAGCGGGAGGUCUUG 52
chr-1A.trna67-Thr-AGT    GCUUUCGUAGCUCAGUUGG--------UUAGAGCACCCGUUUAGUAAGCGGGAGGUCUUG 52
chr-1B.trna20-Thr-AGT    GCUUUCGUAGCUCAGUUGG--------UUAGAGCACCCGUUUAGUAAGCGGGAGGUCUUG 52
chr-7A.trna32-Thr-AGT    GCUCUCGUAGCUCAGUUGG--------UUAGAGCACCCGUUUAGUAAGCGGGAGGUCUUG 52
chr-7B.trna36-Thr-AGT    GUUCUCGUAGCUCAGUUGG--------UUAGAGCACCCGUUUAGUAAGCGGGAGGUCUUG 52
chr-1B.trna57-Thr-AGT    GCUUUCGUAGCUCAGUUGG--------UUAGAGCACCCGUUUAGUAAGCGGGAGGUCUUG 52
chr-7C.trna32-Thr-AGT    GCUCUCGUAGCUCAGUUGG--------UUAGAGCACCCGUUUAGUAAGCGGGAGGUCUUG 52
chr-4D.trna74-Thr-AGT    GCUCUCGUAGCUCAGUUGG--------UUAGAGCACCCGUUUAGUAAGCGGGAGGUCUUG 52
chr-1C.trna56-Thr-AGT    GCUUUCGUAGCUCAGUUGG--------UUAGAGCACCCGUUUAGUAAGCGGGAGGUCUUG 52
chr-4C.trna14-Thr-AGT    GCUCUCGUAGCUCAGUUGG--------UUAGAGCACCCGUUUAGUAAGCGGGAGGUCUUG 52
chr-4B.trna12-Thr-AGT    GCUCUCGUAGCUCAGUUGG--------UUAGAGCACCCGUUUAGUAAGCGGGAGGUCUUG 52
chr-1D.trna99-Thr-AGT    GCUUUCGUAGCUCAGUUGG--------UUAGAGCACCCGUUUAGUAAGCGGGAGGUCUUG 52
chr-4A.trna62-Thr-AGT    GCUCUCGUAGCUCAGUUGG--------UUAGAGCACCCGUUUAGUAAGCGGGAGGUCUUG 52
chr-3D.trna27-Thr-AGT    GCUUUCGUAGCUCAGUUGG--------UUAGAGCACCCGUUUAGUAAGCGGGAGGUCUUG 52
chr-3C.trna29-Thr-AGT    GCUUUCGUAGCUCAGUUGG--------UUAGAGCACCCGUUUAGUAAGCGGGAGGUCUUG 52
chr-3B.trna22-Thr-AGT    GCUUUCGUAGCUCAGUUGG--------UUAGAGCACCCGUUUAGUAAGCGGGAGGUCUUG 52
chr-3A.trna24-Thr-AGT    GCUUUCGUAGCUCAGUUGG--------UUAGAGCACCCGUUUAGUAAGCGGGAGGUCUUG 52
chr-3A.trna23-Thr-AGT    GCUUUCGUAGCUCAGUUGG--------UUAGAGCACCCGUUUAGUAAGCGGGAGGUCUUG 52
chr-2D.trna47-Thr-AGT    GCUCUCGUAGCUCAGUUGG--------UUAGAGCACCCGUUUAGUAAGCGGGAGGUCUUG 52
chr-2D.trna43-Thr-AGT    GCUCUCGUAGCUCAGUUGG--------UUAGAGCACCCGUUUAGUAAGCGGGAGGUCUUG 52
chr-2D.trna32-Thr-AGT    GCUUUCGUAGCUCAGUUGG--------UUAGAGCACCCGUUUAGUAAGCGGGAGGUCUUG 52
chr-7C.trna61-Thr-AGT    GCUCUCGUAGCUCAGUUGG--------UUAGAGCACCCGUUUAGUAAGCGGGAGGUCUUG 52
chr-1A.trna40-Thr-AGT    GCUUUCGUAGCUCAGUUGG--------UUAGAGCACCCGUUUAGUAAGCGGGAGGUCUUG 52
chr-2C.trna49-Thr-AGT    GCUCUCGUAGCUCAGUUGG--------UUAGAGCACCCGUUUAGUAAGCGGGAGGUCUUG 52
chr-2B.trna42-Thr-AGT    GCUCUCGUAGCUCAGUUGG--------UUAGAGCACCCGUUUAGUAAGCGGGAGGUCUUG 52
chr-2B.trna38-Thr-AGT    GCUUUCGUAGCUCAGUUGG--------UUAGAGCACCCGUUUAGUAAGCGGGAGGUCUUG 52
chr-2A.trna57-Thr-AGT    GCUUUCGUAGCUCAGUUGG--------UUAGAGCACCCGUUUAGUAAGCGGGAGGUCUUG 52
chr-2A.trna54-Thr-AGT    GCUCUCGUAGCUCAGUUGG--------UUAGAGCACCCGUUUAGUAAGCGGGAGGUCUUG 52
chr-1B.trna65-Thr-AGT    GCUUUCGUAGCUCAGUUGG--------UUAGAGCACCCGUUUAGUAAGCGGGAGGUCUUG 52
chr-1C.trna45-Thr-AGT    GCUUUCGUAGCUCAGUUGG--------UUAGAGCACCCGUUUAGUAAGCGGGAGGUCUUG 52
chr-1D.trna46-Thr-AGT    GCUUUCGUAGCUCAGUUGG--------UUAGAGCACCCGUUUAGUAAGCGGGAGGUCUUG 52
chr-1B.trna78-Thr-AGT    GCUUUCGUAGCUCAGUUGG--------UUAGAGCACCCGUUUAGUAAGCUGGAGGUCUUG 52
chr-4A.trna69-Thr-AGT    GCUUUCGUAGCUCAGUUGG--------UUAGAGCACCCGUUUAGUAAGCGGGAGGUCUUG 52
chr-4C.trna54-Thr-AGT    GCUUUUGUAGCUCAGUUGG--------UUAGAGCACCCGUUUAGUAAGCAUGGGGUCUUG 52
chr-7A.trna61-Thr-AGT    GCUUUCGUAGCUCAGUUGGUUAGAGGCUUAGAGCACCCGUUUAGUAAGCGGGAGGUCUUG 60
chr-5C.trna7-Thr-AGT     GCUUUCAUAGCUCAGUUGG--------UUAGAGCACCCGUUUAGUAAGCGGGAGGUCUUG 52
chr-7B.trna26-Thr-AGT    GUUUUUU-AGCUCAGUUGG--------UUAGAGCAUCCGUUUAGUAAGCGGGAGGUCUUG 51
chr-7A.trna85-Thr-AGT    GUUUUUU-AGCUCAGUUGG--------UUAGAGCAUCCGUUUAGUAAGCAGGAGGUCUUG 51
                         .........10........20........30........40........50.........

                         ...)).))))......).)))))))).
chr-2C.trna80-Thr-AGT    AGUUC-AACUCU---CAACGAAAGCA 74
chr-2C.trna81-Thr-AGT    AGUUC-AACUCU---CAACGAAAGCA 74
chr-7D.trna44-Thr-AGT    AGUUC-AACUCU---CAACGAAAGCA 74
chr-7D.trna43-Thr-AGT    AGUUC-AACUCU---CAACGAAAGCA 74
chr-7B.trna47-Thr-AGT    AGUUC-AACUCU---CAACGAAAGCA 74
chr-7C.trna53-Thr-AGT    AGUUC-AACUCU---CAACGAAAGCA 74
chr-5B.trna3-Thr-AGT     AGUUC-AACUCU---CAAUGAAAGCA 74
chr-5D.trna7-Thr-AGT     AGUUC-AACUCU---CAAUGAAAGCA 74
chr-1A.trna61-Thr-AGT    AGUUC-GACUCU---CAACGAAAGCA 74
chr-7B.trna35-Thr-AGT    AGUUC-GACUCU---CAACGAGAGCA 74
chr-1A.trna66-Thr-AGT    AGUUC-GACUCU---CAACGAAAGCA 74
chr-1A.trna67-Thr-AGT    AGUUC-GACUCU---CAACGAAAGCA 74
chr-1B.trna20-Thr-AGT    AGUUC-GACUCU---CAACGAAAGCA 74
chr-7A.trna32-Thr-AGT    AGUUC-GACUCU---CAACGAGAGCA 74
chr-7B.trna36-Thr-AGT    AGUUC-GACUCU---CAACGAGAGCA 74
chr-1B.trna57-Thr-AGT    AGUUC-GACUCU---CAACGAAAGCA 74
chr-7C.trna32-Thr-AGT    AGUUC-GACUCU---CAACGAGAGCA 74
chr-4D.trna74-Thr-AGT    AGUUC-GACUCU---CAACGAGAGCA 74
chr-1C.trna56-Thr-AGT    AGUUC-GACUCU---CAACGAAAGCA 74
chr-4C.trna14-Thr-AGT    AGUUC-GACUCU---CAACGAGAGCA 74
chr-4B.trna12-Thr-AGT    AGUUC-GACUCU---CAACGAGAGCA 74
chr-1D.trna99-Thr-AGT    AGUUC-GACUCU---CAACGAAAGCA 74
chr-4A.trna62-Thr-AGT    AGUUC-GACUCU---CAACGAGAGCA 74
chr-3D.trna27-Thr-AGT    AGUUC-GACUCU---CAACGAAAGCA 74
chr-3C.trna29-Thr-AGT    AGUUC-GACUCU---CAACGAAAGCA 74
chr-3B.trna22-Thr-AGT    AGUUC-GACUCU---CAACGAAAGCA 74
chr-3A.trna24-Thr-AGT    AGUUC-GACUCU---CAACGAAAGCA 74
chr-3A.trna23-Thr-AGT    AGUUC-GACUCU---CAACGAAAGCA 74
chr-2D.trna47-Thr-AGT    AGUUC-GACUCU---CAACGAGAGCA 74
chr-2D.trna43-Thr-AGT    AGUUC-GACUCU---CAACGAGAGCA 74
chr-2D.trna32-Thr-AGT    AGUUC-GACUCU---CAACGAAAGCA 74
chr-7C.trna61-Thr-AGT    AGUUC-GACUCU---CAACGAGAGCA 74
chr-1A.trna40-Thr-AGT    AGUUC-GACUCU---CAACGAAAGCA 74
chr-2C.trna49-Thr-AGT    AGUUC-GACUCU---CAACGAGAGCA 74
chr-2B.trna42-Thr-AGT    AGUUC-GACUCU---CAACGAGAGCA 74
chr-2B.trna38-Thr-AGT    AGUUC-GACUCU---CAACGAAAGCA 74
chr-2A.trna57-Thr-AGT    AGUUC-GACUCU---CAACGAAAGCA 74
chr-2A.trna54-Thr-AGT    AGUUC-GACUCU---CAACGAGAGCA 74
chr-1B.trna65-Thr-AGT    AGUUC-GACUCU---CAAUGAAAGCA 74
chr-1C.trna45-Thr-AGT    AGUUC-GACUCU---CAAUGAAAGCA 74
chr-1D.trna46-Thr-AGT    AGUUU-GACUCU---CAACGAAAGCA 74
chr-1B.trna78-Thr-AGT    AGUUC-GACUCU---CAACGAAAGCA 74
chr-4A.trna69-Thr-AGT    AGUUC-GACUCU---CCAUGAAAACA 74
chr-4C.trna54-Thr-AGT    AGUUC-GACUCU---CCACGAAAGCA 74
chr-7A.trna61-Thr-AGT    AGUUC-AACUCU---CAACAAAAGCA 82
chr-5C.trna7-Thr-AGT     AG-------UCU---CAAUGAAAGCA 68
chr-7B.trna26-Thr-AGT    AGUUUAAACUCUCAACAAAAGAAGCA 77
chr-7A.trna85-Thr-AGT    AGUUUAAACUCUCAACAAAAGAAGCA 77
                         .........70........80.....
```