```
                          (((((((..((((........)))).(((((.......)))))).....(((((.......
chr-1D.trna14-Ala-CGC     GGGGGUGUAGCUCAUAUGGUAGAGCGCUCGCUUCGCAUGCGAGAGGCACGGGGUUCGAUU 60
chr-1D.trna15-Ala-CGC     GGGGGUGUAGCUCAUAUGGUAGAGCGCUCGCUUCGCAUGCGAGAGGCACGGGGUUCGAUU 60
chr-1D.trna111-Ala-CGC    GGGGGUGUAGCUCAUAUGGUAGAGCGCUCGCUUCGCAUGCGAGAGGCACGGGGUUCGAUU 60
chr-2A.trna1-Ala-CGC      GGGGGUGUAGCUCAUAUGGUAGAGCGCUCGCUUCGCAUGCGAGAGGCACGGGGUUCGAUU 60
chr-2B.trna1-Ala-CGC      GGGGGUGUAGCUCAUAUGGUAGAGCGCUCGCUUCGCAUGCGAGAGGCACGGGGUUCGAUU 60
chr-5D.trna61-Ala-CGC     GGGGGUGUAGCUCAUAUGGUAGAGCGCUCGCUUCGCAUGCGAGAGGCACGGGGUUCGAUU 60
chr-5D.trna60-Ala-CGC     GGGGGUGUAGCUCAUAUGGUAGAGCGCUCGCUUCGCAUGCGAGAGGCACGGGGUUCGAUU 60
chr-5D.trna56-Ala-CGC     GGGGGUGUAGCUCAUAUGGUAGAGCGCUCGCUUCGCAUGCGAGAGGCACGGGGUUCGAUU 60
chr-5D.trna4-Ala-CGC      GGGGGUGUAGCUCAUAUGGUAGAGCGCUCGCUUCGCAUGCGAGAGGCACGGGGUUCGAUU 60
chr-5C.trna58-Ala-CGC     GGGGGUGUAGCUCAUAUGGUAGAGCGCUCGCUUCGCAUGCGAGAGGCACGGGGUUCGAUU 60
chr-2C.trna129-Ala-CGC    GGGGGUGUAGCUCAUAUGGUAGAGCGCUCGCUUCGCAUGCGAGAGGCACGGGGUUCGAUU 60
chr-5A.trna3-Ala-CGC      GGGGGUGUAGCUCAUAUGGUAGAGCGCUCGCUUCGCAUGCGAGAGGCACGGGGUUCGAUU 60
chr-4D.trna49-Ala-CGC     GGGGGUGUAGCUCAUAUGGUAGAGCGCUCGCUUCGCAUGCGAGAGGCACGGGGUUCGAUU 60
chr-2D.trna114-Ala-CGC    GGGGGUGUAGCUCAUAUGGUAGAGCGCUCGCUUCGCAUGCGAGAGGCACGGGGUUCGAUU 60
chr-8B.trna32-Ala-CGC     GGGGGUGUAGCUCAUAUGGUAGAGCGCUCGCUUCGCAUGCGAGAGGCACGGGGUUCGAUU 60
chr-4C.trna36-Ala-CGC     GGGGGUGUAGCUCAUAUGGUAGAGCGCUCGCUUCGCAUGCGAGAGGCACGGGGUUCGAUU 60
chr-1D.trna12-Ala-CGC     GGGGGUGUAGCUCAUAUGGUAGAGCGCUCGCUUCGCAUGCGAGAGGCACGGGGUUCGAUU 60
chr-4A.trna39-Ala-CGC     GGGGGUGUAGCUCAUAUGGUAGAGCGCUCGCUUCGCAUGCGAGAGGCACGGGGUUCGAUU 60
chr-4B.trna45-Ala-CGC     GGGGGUGUAGCUCAUAUGGUAGAGCGCUCGCUUCGCAUGCGAGAGGCACGGGGUUCGAUU 60
chr-6D.trna63-Ala-CGC     GGGGACGUAGCUCAUAUGGUAGAGCGCUCGCUUCGCAUGCGAGAGGCACGGGGUUCGAUU 60
chr-4B.trna74-Ala-CGC     GGGGACGUAGCUCAUAUGGUAGAGCGCUCGCUUCGCAUGCGAGAGGCACGGGGUUCGAUU 60
chr-6C.trna63-Ala-CGC     GGGGACGUAGCUCAUAUGGUAGAGCGCUCGCUUCGCAUGCGAGAGGCACGGGGUUCGAUU 60
chr-4B.trna3-Ala-CGC      GGGGACGUAGCUCAUAUGGUAGAGCGCUCGCUUCGCAUGCGAGAGGCACGGGGUUCGAUU 60
chr-4A.trna67-Ala-CGC     GGGGACGUAGCUCAUAUGGUAGAGCGCUCGCUUCGCAUGCGAGAGGCACGGGGUUCGAUU 60
chr-4C.trna5-Ala-CGC      GGGGACGUAGCUCAUAUGGUAGAGCGCUCGCUUCGCAUGCGAGAGGCACGGGGUUCGAUU 60
chr-4A.trna9-Ala-CGC      GGGGACGUAGCUCAUAUGGUAGAGCGCUCGCUUCGCAUGCGAGAGGCACGGGGUUCGAUU 60
chr-4C.trna7-Ala-CGC      GGGGACGUAGCUCAUAUGGUAGAGCGCUCGCUUCGCAUGCGAGAGGCACGGGGUUCGAUU 60
chr-6B.trna79-Ala-CGC     GGGGACGUAGCUCAUAUGGUAGAGCGCUCGCUUCGCAUGCGAGAGGCACGGGGUUCGAUU 60
chr-2A.trna85-Ala-CGC     GGGGACGUAGCUCAUAUGGUAGAGCGCUCGCUUCGCAUGCGAGAGGCACGGGGUUCAAUU 60
chr-4B.trna19-Ala-CGC     GGGGACGUAGCUCAUAUGGUACAGCGCUCGCUUCGCAUGCGAGAGGCACGGGGUUCGAUU 60
chr-4C.trna19-Ala-CGC     GGGGACGUAGCUCAUAUGGUAGAGCGCUCGCUUCGCAUGCGAGAGGCACGGGGUUCGAUU 60
chr-4C.trna62-Ala-CGC     GGGGACGUAGCUCAUAUGGUAGAGCGCUCGCUUCGCAUGCGAGAGGCACGGGGUUCGAUU 60
chr-4D.trna10-Ala-CGC     GUGGACGUAGCUCAUACGGUAGAGCGCUCGCUUCGCAUGCGAGAGGCACGGGGUUCGAUU 60
chr-5A.trna67-Ala-CGC     GGGGGUGUAGCUCAUAUGGUAGAGCGCUCGCUUCGCAUGCGAGAGGCACGGGGUUCGAU- 59
chr-2D.trna95-Ala-CGC     GGGGACGUAGCUCAUAUGGUAGAGCGCUCGCUUCGCAUGCGAGAGGCACGGG-UUCGAUU 59
chr-1D.trna112-Ala-CGC    -GGGGUGUAGCUCAUAUGGUAGAGCGCUCGCUUCGCAUGCGAGAGGCACGGGGUUCGAUU 59
                          .........10........20........30........40........50.........

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chr-1D.trna14-Ala-CGC     -CCCCGCACCUCCA 73
chr-1D.trna15-Ala-CGC     -CCCCGCACCUCCA 73
chr-1D.trna111-Ala-CGC    -CCCCGCACCUCCA 73
chr-2A.trna1-Ala-CGC      -CCCCGCACCUCCA 73
chr-2B.trna1-Ala-CGC      -CCCCGCACCUCCA 73
chr-5D.trna61-Ala-CGC     -CCCCGCACCUCCA 73
chr-5D.trna60-Ala-CGC     -CCCCGCACCUCCA 73
chr-5D.trna56-Ala-CGC     -CCCCGCACCUCCA 73
chr-5D.trna4-Ala-CGC      -CCCCGCACCUCCA 73
chr-5C.trna58-Ala-CGC     -CCCCGCACCUCCA 73
chr-2C.trna129-Ala-CGC    -CCCCGCACCUCCA 73
chr-5A.trna3-Ala-CGC      -CCCCGCACCUCCA 73
chr-4D.trna49-Ala-CGC     -CCCCGCACCUCCA 73
chr-2D.trna114-Ala-CGC    -CCCCGCACCUCCA 73
chr-8B.trna32-Ala-CGC     -CCCCGCACCUCCA 73
chr-4C.trna36-Ala-CGC     -CCCCGCACCUCCA 73
chr-1D.trna12-Ala-CGC     -CCCCGCACCUCCA 73
chr-4A.trna39-Ala-CGC     -CCCCGCACCUCCA 73
chr-4B.trna45-Ala-CGC     -CCCCGCACCUCCA 73
chr-6D.trna63-Ala-CGC     -CCCCGCGUCUCCA 73
chr-4B.trna74-Ala-CGC     -CCCCGCGUCUCCA 73
chr-6C.trna63-Ala-CGC     -CCCCGCGUCUCCA 73
chr-4B.trna3-Ala-CGC      -CCCCGCGUCUCCA 73
chr-4A.trna67-Ala-CGC     -CCCCGCGUCUCCA 73
chr-4C.trna5-Ala-CGC      -CCCCGCGUCUCCA 73
chr-4A.trna9-Ala-CGC      -CCCCGCGUCUCCA 73
chr-4C.trna7-Ala-CGC      -CCCCGCGUCUCCA 73
chr-6B.trna79-Ala-CGC     -CCCCGCGUCUCCA 73
chr-2A.trna85-Ala-CGC     -CCCCGCGUCUCCA 73
chr-4B.trna19-Ala-CGC     -CCCCGCGUCUCCA 73
chr-4C.trna19-Ala-CGC     CCCCCGCGUCUCCA 74
chr-4C.trna62-Ala-CGC     CCCCCGCGUCUCCA 74
chr-4D.trna10-Ala-CGC     -CCCCGCCUCCAUA 73
chr-5A.trna67-Ala-CGC     -UCCCGCACCUCCA 72
chr-2D.trna95-Ala-CGC     -CCCCGCGUCUCCA 72
chr-1D.trna112-Ala-CGC    -CCCCGCACCUCCA 72
                          .........70...

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