```
                          .(((((((..((((........)))).(((((.......)))))).....(((((.......
chr-03.trna138-Ala-TGC    -GGGGGUGUAGCUCAUAUGGUAGAGUGCUCGCUUUGCAUGCGAGAAGCACAGGG-UUCGA 58
chr-08.trna36-Ala-TGC     -GGGGGUGUAGCUCAUUUGGUAGAGCGCUCGCUUUGCAUGCGAGAGGCACGGGG-UUCGA 58
chr-13.trna110-Ala-TGC    -GGGGAUGUAGCUCAAAUGGUAGAGCGCUCGCUUUGCAUGCGAGAGGCACGGGG-UUUGA 58
chr-10.trna11-Ala-TGC     -GGGGAUGUAGCUCAAAUGGUAGAGCGCUUGCUUUGCAUGCGAGAGGCACGGGG-UUCGA 58
chr-02.trna246-Ala-TGC    -GGGGAUGUAGCUCAAAUGGUAGAGCGCUCGCUUUGCAUGCGAGAGGCACGGGG-UUCGA 58
chr-06.trna240-Ala-TGC    -GGGGAUGUAGCUCAAAUGGUAGAGCGCUCGCUUUGCAUGCGAGAGGCACGGGG-UUCGA 58
chr-10.trna82-Ala-TGC     -GGGGAUGUAGCUCAAAUGGUAGAGCGCUCGCUUUGCAUGCGAGAGGUACGGGG-UUCGA 58
chr-11.trna15-Ala-TGC     -GGGGAUGUAGCUCAAAUGGUAGAGCGCUCGCUUUGCAUGCGAGAGGUACGGGG-UUCGA 58
chr-13.trna108-Ala-TGC    -GGGGAUGUAGCUCAAAUGGUAGAGCGCUCGCUUUGCAUGCGAGAGGCACGGGG-UUCGA 58
chr-13.trna128-Ala-TGC    -GGGGAUGUAGCUCAAAUGGUAGAGCGCUCGCUUUGCAUGCGAGAGGCACGGGG-UUCGA 58
chr-13.trna135-Ala-TGC    -GGGGAUGUAGCUCAAAUGGUAGAGCGCUCGCUUUGCAUGCGAGAGGCACGGGG-UUCGA 58
chr-01.trna50-Ala-TGC     -GGGGAUGUAGCUCAAAUGGUAGAGCGCUCGCUUUGCAUGCGAGAGGCACGGGG-UUCGA 58
chr-01.trna143-Ala-TGC    -GGGGAUGUAGCUCAAAUGGUAGAGCGCUCGCUUUGCAUGCGAGAGGCACGGGG-UUCGA 58
chr-02.trna63-Ala-TGC     -GGGGAUGUAGCUCAAAUGGUAGAGCGCUCGCUUUGCAUGCGAGAGGCACGGGG-UUCGA 58
chr-02.trna155-Ala-TGC    -GGGGAUGUAGCUCAAAUGGUAGAGCGCUCGCUUUGCAUGCGAGAGGCACGGGG-UUCGA 58
chr-02.trna156-Ala-TGC    -GGGGAUGUAGCUCAAAUGGUAGAGCGCUCGCUUUGCAUGCGAGAGGCACGGGG-UUCGA 58
chr-10.trna7-Ala-TGC      -GGGGAUGUAGCUCAAAUGGUAGAGCGCUCGCUUUGCAUGCGAGAGGCACGGGG-UUCGA 58
chr-07.trna64-Ala-TGC     -GGGGAUGUAGCUCAAAUGGUAGAGCGCUCGCUUUGCAUGCGAGAGGCACGGGG-UUCGA 58
chr-06.trna242-Ala-TGC    -GGGGAUGUAGCUCAAAUGGUAGAGCGCUCGCUUUGCAUGCGAGAGGCACGGGG-UUCGA 58
chr-05.trna106-Ala-TGC    -GGGGAUGUAGCUCAAAUGGUAGAGCGCUCGCUUUGCAUGCGAGAGGCACGGGG-UUCGA 58
chr-09.trna5-Ala-TGC      -GGGGAUGUAGCUCAAAUGGUAGAGCGCUCGCUUUGCAUGCGAGAGGCACGGGG-UUCGA 58
chr-06.trna239-Ala-TGC    -GGGGAUGUAGCUCAAAUGGUAGAGCGCUCGCUUUGCAUGCGAGAGGCACGGGG-UUCGA 58
chr-05.trna107-Ala-TGC    -GGGGAUGUAGCUCAAAUGGUAGAGCGCUCGCUUUGCAUGCGAGAGGCACGGGG-UUCGA 58
chr-06.trna180-Ala-TGC    -GGGGAUGUAGCUCAAAUGGUAGAGCGCUCGCUUUGCAUGCGAGAGGCACGGGG-UUCGA 58
chr-06.trna184-Ala-TGC    -GGGGAUGUAGCUCAAAUGGUAGAGCGCUCGCUUUGCAUGCGAGAGGCACGGGG-UUCGA 58
chr-06.trna182-Ala-TGC    -GGGGAUGUAGCUCAAAUGGUAGAGCGCUCGCUUUGCAUGCGAGAGGCACGGGG-UUCGA 58
chr-10.trna9-Ala-TGC      -GGGGAUGUAGCUCAAAUGGUAGAGCGCUCGCUUUGCAUGCGAGAGGCACGGGG-UUUGA 58
chr-10.trna13-Ala-TGC     -GGGGAUGUAGCUCAAAUGGUAGAGCGCUCGCUUUGCAUGCGAGAGGCACGGGG-UUUGA 58
chr-06.trna237-Ala-TGC    -GGGGAUGUAGCUCAAAUGGUAGAGCGCUCGCUUUGCAUGCGAGAGGCAUGGGG-UUCGA 58
chr-13.trna130-Ala-TGC    -GGGGAUGUAGCUCAAAUGGUAAAGCGCUCGCUUUGCAUGCGAGAGGCACGGGG-UUCGA 58
chr-06.trna241-Ala-TGC    -GGGGAUGUAGCUCAAAUGGUAGAGCGCUCGCUUUGCAUGCGAGAGGCACGGGGUUUCGA 59
chr-08.trna43-Ala-TGC     -GGGGGUGUGGCUCAUAUGGUAGAGCGCUCGCUUUGCAUGCGAGAGGCACGGGG-UUCAA 58
chr-08.trna46-Ala-TGC     -GGGGGUGUAGCUCAUAUGGUAGAGCGCUCGCUUUGCAUGCGAGAGGCACGGGG-UUUGA 58
chr-03.trna139-Ala-TGC    -GGGGGUGUAGCUCAUAUGGUAGAGCGCUCGCUUUGCAUGCGAGAGGCACAGGG-UUUGA 58
chr-08.trna35-Ala-TGC     -GGGGGUGUAGCUCAUAUGGUAGAGCGCUCGCUUUGCAUGCGCGAGGCACGGGG-UUUGA 58
chr-06.trna91-Ala-TGC     -GGGGAUGUAGCUCAAAUGGUAGAGCGCUUGCUUUGCAUGUGAGAGGCACGGGG-UUCGG 58
chr-08.trna7-Ala-TGC      -GGGGAUGUAGCUCAAAUGGUAGAGUGCUUGCUUUGCAUGUGAGAGGCACGGGA-UUCAA 58
chr-06.trna178-Ala-TGC    -GGGGAUGUAGCUCAAAUAGUAGAGCGCUCGCUUUGCAUGUGAGAGGAACGGGG-UUCGA 58
chr-04.trna23-Ala-TGC     -GGGGAUGUAGCUCAAAUGGUAGAGCGCUCGCUUUGCAUGUGAGAGGUACGGGG-UUCGA 58
chr-13.trna170-Ala-TGC    -GGGGAUGUAGCUCAAGUGGUAGAGUGCUCGCUUUGCAUGCGAGAGGCACAGCG-UUCGA 58
chr-06.trna186-Ala-TGC    -GGGGAUGUAGCUCAAAUGGUAAAGUGCUCGCUUUGCAUGCGAGAGGCACGGGG-UUUGA 58
chr-12.trna74-Ala-TGC     -GGGGAUGUAGCUCAAAUGGUAGAGCGCUCACUUUGCAUGCGAGAGGCAUGAGG-UUCGA 58
chr-06.trna176-Ala-TGC    -GGGGAUGUAGCUCAAAUGGUAAAGUGCUCGCUUUGCAUGCGAGAGGCACAGGG-UUCGA 58
chr-06.trna48-Ala-TGC     -GGGGAUGUACCUAAAAUGGUAAAGUGCUUGCUUUGCAUGCAUGAGGCAUGGGG-UUCAA 58
chr-08.trna79-Ala-TGC     -GGGGAUGUACCUAAAAUGGUAAAGUGCUUGCUUUGCAUGCAUGAGGCACGGGG-UUCAA 58
chr-06.trna46-Ala-TGC     -GGGGAUGUAGCUUAAAUGGUAAAGUGCUUGCUUUGCAUGCAUGAGGCAUGGGG-UUCGA 58
chr-08.trna20-Ala-TGC    UGGGGAUGUAGCUCAGAUGGUAGAGCGCUCGCUUUGCAUGCGAGAGGUACGGGG-AUCGA 59
chr-10.trna55-Ala-TGC     -------GUAGCUCAAAUGGUAGAGCGCUCGCUUUGCAUGCGAGAGGCACGAGG-UUCGA 52
                          .........10........20........30........40........50.........
                          ..))))))))))))).
chr-03.trna138-Ala-TGC    UUCCUUGCAUCUCCA 73
chr-08.trna36-Ala-TGC     UUCCCCGCACCUCCA 73
chr-13.trna110-Ala-TGC    UCCCCCGCAUCUCCG 73
chr-10.trna11-Ala-TGC     UCCCCUGCAUCUCCA 73
chr-02.trna246-Ala-TGC    UCCCCUGCAUCUCCA 73
chr-06.trna240-Ala-TGC    UCCCCUGCAUCUCCA 73
chr-10.trna82-Ala-TGC     UCCCCCGCAUCUCCA 73
chr-11.trna15-Ala-TGC     UCCCCCGCAUCUCCA 73
chr-13.trna108-Ala-TGC    UCCCCCGCAUCUCCA 73
chr-13.trna128-Ala-TGC    UCCCCCGCAUCUCCA 73
chr-13.trna135-Ala-TGC    UCCCCCGCAUCUCCA 73
chr-01.trna50-Ala-TGC     UCCCCCGCAUCUCCA 73
chr-01.trna143-Ala-TGC    UCCCCCGCAUCUCCA 73
chr-02.trna63-Ala-TGC     UCCCCCGCAUCUCCA 73
chr-02.trna155-Ala-TGC    UCCCCCGCAUCUCCA 73
chr-02.trna156-Ala-TGC    UCCCCCGCAUCUCCA 73
chr-10.trna7-Ala-TGC      UCCCCCGCAUCUCCA 73
chr-07.trna64-Ala-TGC     UCCCCCGCAUCUCCA 73
chr-06.trna242-Ala-TGC    UCCCCCGCAUCUCCA 73
chr-05.trna106-Ala-TGC    UCCCCCGCAUCUCCA 73
chr-09.trna5-Ala-TGC      UCCCCCGCAUCUCCA 73
chr-06.trna239-Ala-TGC    UCCCCCGCAUCUCCA 73
chr-05.trna107-Ala-TGC    UCCCCCGCAUCUCCA 73
chr-06.trna180-Ala-TGC    UCCCCCGCAUCUCCA 73
chr-06.trna184-Ala-TGC    UCCCCCGCAUCUCCA 73
chr-06.trna182-Ala-TGC    UCCCCCGCAUCUCCA 73
chr-10.trna9-Ala-TGC      UCCCCCGCAUCUCCA 73
chr-10.trna13-Ala-TGC     UCCCCCGCAUCUCCA 73
chr-06.trna237-Ala-TGC    UCCCCCGCAUCUCUA 73
chr-13.trna130-Ala-TGC    UCCCCCGCAUCUCCA 73
chr-06.trna241-Ala-TGC    UCCCCCGCAUCUCCA 74
chr-08.trna43-Ala-TGC     UUCCCCGCACCUCCA 73
chr-08.trna46-Ala-TGC     UUCCCCGCACCUCCA 73
chr-03.trna139-Ala-TGC    UUCCCUGCAUCUCCA 73
chr-08.trna35-Ala-TGC     UUCCUCGCACCUCCA 73
chr-06.trna91-Ala-TGC     UCCCCCGCAUCUCCA 73
chr-08.trna7-Ala-TGC      UCCCUCGCAUCUCCA 73
chr-06.trna178-Ala-TGC    UCCCCCGCAUCUCCA 73
chr-04.trna23-Ala-TGC     UCCCCCGCAUCUCCA 73
chr-13.trna170-Ala-TGC    UACCCUGCAUCUCCA 73
chr-06.trna186-Ala-TGC    UCCCUCGCAUUUUCA 73
chr-12.trna74-Ala-TGC     UCCCCCGCAUCUCCA 73
chr-06.trna176-Ala-TGC    UCCCCCGCAUUUCCA 73
chr-06.trna48-Ala-TGC     UCCCUCACAUCUCCA 73
chr-08.trna79-Ala-TGC     UCCCUCACAUCUCCA 73
chr-06.trna46-Ala-TGC     UCUCUCACAUCUCCA 73
chr-08.trna20-Ala-TGC     UACCCUGCAUCUGAA 74
chr-10.trna55-Ala-TGC     UCCC---CAUGU-CG 63
                          .........70....
```