```
                         (((((((..((((.........)))).(((((.......)))))).....(((.(.....
chr-2.trna7-Ala-CGC      GGGGGUGUAGCUCAUAUGGU-AGAGCGCUCGCUUCGCAUGCGAGAGGCACGG-GGUUCGA 58
chr-7.trna33-Ala-CGC     GGGGGUGUAGCUCAUAUGGU-AGAGCGCUCGCUUCGCAUGCGAGAGGCACGG-GGUUCGA 58
chr-15.trna5-Ala-CGC     GGGGGUGUAGCUCAUAUGGU-AGAGCGCUCGCUUCGCAUGCGAGAGGCACGG-GGUUCGA 58
chr-16.trna10-Ala-CGC    GGGGGUGUAGCUCAUAUGGU-AGAGCGCUCGCUUCGCAUGCGAGAGGCACAG-GGUUCGA 58
chr-14.trna1-Ala-TGC     GGGGAUGUAGCUCAAAUGGU-AGAGCGCUCGCUUUGCAUGCGAGAGGCACGG-GGUUCGA 58
chr-4.trna7-Ala-TGC      GGGGGUGUAGCUCAAAUGGU-AGAGCGCUCGCUUUGCAUGCGAGAGGCACGG-GGUUCGA 58
chr-1.trna6-Ala-TGC      GGGGGUGUAGCUCAAAUGGU-AGAGCGCUCGCUUUGCAUGCGAGAGGCACGG-GGUUCGA 58
chr-8.trna30-Ala-TGC     GGGGAUGUAGCUCAAAUGGU-AGAGCGCUCGCUUUGCAUGCGAGAGGCACGG-GGUUCGA 58
chr-7.trna21-Ala-TGC     GGGGAUGUAGCUCAAAUGGU-AGAGCGCUCGCUUUGCAUGCGAGAGGUACAG-GGUUCGA 58
chr-7.trna22-Ala-TGC     GGGGAUGUAGCUCAAACGGU-AGAGCGCUCGCUUUGCAUGCGAGAGGUACGG-GGUUCGA 58
chr-9.trna2-Ala-TGC      GGGGAUGUAGCUCAAACGGU-AGAGCGCUCGCUUUGCAUGCGAGAGGUACGG-GGUUCGA 58
chr-5.trna41-Ala-TGC     GGGGAUGUAGCUCACAUGGU-AGAGCGCUCGCUUUGCAUGCGAGAGGUACGG-GGUUCGA 58
chr-1.trna31-Ala-AGC     GGGGAUGUAGCUCAGAUGGU-AGAGCGCUCGCUUAGCAUGCGAGAGGUACGG-GGAUCGA 58
chr-2.trna13-Ala-AGC     GGGGAUGUAGCUCAGAUGGU-AGAGCGCUCGCUUAGCAUGCGAGAGGUACGG-GGAUCGA 58
chr-19.trna5-Ala-AGC     GGGGAUGUAGCUCAGAUGGU-AGAGCGCUCGCUUAGCAUGCGAGAGGUACGG-GGAUCGA 58
chr-18.trna11-Ala-AGC    GGGGAUGUAGCUCAGAUGGU-AGAGCGCUCGCUUAGCAUGCGAGAGGUACGG-GGAUCGA 58
chr-6.trna18-Ala-AGC     GGGGAUGUAGCUCAGAUGGU-AGAGCGCUCGCUUAGCAUGCGAGAGGUACGG-GGAUCGA 58
chr-7.trna35-Ala-AGC     GGGGAUGUAGCUCAGAUGGU-AGAGCGCUCGCUUAGCAUGCGAGAGGUACGG-GGAUCGA 58
chr-8.trna4-Ala-AGC      GGGGAUGUAGCUCAGAUGGU-AGAGCGCUCGCUUAGCAUGCGAGAGGUACGG-GGAUCGA 58
chr-15.trna3-Ala-AGC     GGGGAUGUAGCUCAGAUGGU-AGAGCGCUCGCUUAGCAUGCGAGAGGUACGG-GGAUCGA 58
chr-15.trna2-Ala-AGC     GGGGAUGUAGCUCAGAUGGU-AGAGCGCUCGCUUAGCAUGCGAGAGGUACGG-GGAUCGA 58
chr-14.trna37-Ala-AGC    GGGGAUGUAGCUCAGAUGGU-AGAGCGCUCGCUUAGCAUGCGAGAGGUACGG-GGAUCGA 58
chr-14.trna36-Ala-AGC    GGGGAUGUAGCUCAGAUGGU-AGAGCGCUCGCUUAGCAUGCGAGAGGUACGG-GGAUCGA 58
chr-12.trna22-Ala-AGC    GGGGAUGUAGCUCAGAUGGU-AGAGCGCUCGCUUAGCAUGCGAGAGGUACGG-GGAUCGA 58
chr-14.trna34-Ala-AGC    GGGGAUGUAGCUCAGAUGGU-AGAGCGCUCGCUUAGCAUGCGAGAGGUACGG-GGAUCGA 58
chr-14.trna35-Ala-AGC    -GGGAUGUAGCUCAGAUGGU-AGAGCGCUCGCUUAGCAUGCGAGAGGUACGG-GGAUCGA 57
chr-15.trna12-Ala-TGC    GCGUUUGUAGUCCAACAGUU-AGGAUAAUUGCCUUGCAAGCAACAG--ACCCAGGUUCGA 57
chr-8.trna26-Ala-TGC     GGGAUUGUAGUCAAUUGGUCACAACAAUGCUAUUGCAAGGCAGAAGUUGCG-GGUUUGA 59
chr-8.trna28-Ala-TGC     GGGAUUGUAGUCAAUUGGUGACAACAAUGCUAUUGCAAGGCGGAAGUUGCG-GGUUCGA 59
chr-8.trna29-Ala-TGC     AGGAUUGUAGUCAAUUGGUUACAACAAUGCUGUUGCAAAGUAGAAGUUGCG-GAUUCGA 59
chr-8.trna27-Ala-TGC     GGGAUUGUAGUCAAUUGGUCACAACAAUGCUAUUGCAAGGCAGAAGUUGCG-GGUUCAA 59
chr-19.trna24-Ala-TGC    GGGAUUGUAGUCAAUUGGUCAGUGCAACGCCUUUGCAAGGCAGAAGCUGCG-GGUUCAA 59
chr-19.trna12-Ala-TGC    GGGAUUGUAGUCAAUUGGUCAGUGCAAUGCCUUUGCAAGGCAGAAGCUGCG-GGUUCAA 59
chr-19.trna22-Ala-TGC    GGGAUUGUAGUCAAUUGGUCAGUGCAAUGCCUUUGCAAGGCAGAAGCUGCG-AGUUCAA 59
chr-19.trna21-Ala-TGC    GGGAUUGUAGUCAAUUGGUCAGUGCAAUGCCUUUGCAAGGCAGAAGCUGCG-GGUUCAA 59
chr-19.trna14-Ala-TGC    GGGAUUGUAGUCAAUUGGUCAAUGCAAUGCCUUUGCAAGGCAGAAGCUGCG-GGUUCAA 59
                         .........10........20........30........40........50.........
                         ..))))))))))))).
chr-2.trna7-Ala-CGC      UUCCCCGCACCUCCA 73
chr-7.trna33-Ala-CGC     UUCCCCGCACCUCCA 73
chr-15.trna5-Ala-CGC     UUCCCCGCACCUCCA 73
chr-16.trna10-Ala-CGC    UUCCCUGCACCUCCA 73
chr-14.trna1-Ala-TGC     UCCCCCGCAUCUCCA 73
chr-4.trna7-Ala-TGC      UCCCCCGCACCUCCA 73
chr-1.trna6-Ala-TGC      UCCCCCGCACCUCCA 73
chr-8.trna30-Ala-TGC     UCCCCCGCAUCUCCA 73
chr-7.trna21-Ala-TGC     UCCCCUGCAUCUCCA 73
chr-7.trna22-Ala-TGC     UACCCCGCAUCUCCA 73
chr-9.trna2-Ala-TGC      UACCCCGCAUCUCCA 73
chr-5.trna41-Ala-TGC     UACCCCGCAUCUCCA 73
chr-1.trna31-Ala-AGC     UACCCCGCAUCUCCA 73
chr-2.trna13-Ala-AGC     UACCCCGCAUCUCCA 73
chr-19.trna5-Ala-AGC     UACCCCGCAUCUCCA 73
chr-18.trna11-Ala-AGC    UACCCCGCAUCUCCA 73
chr-6.trna18-Ala-AGC     UACCCCGCAUCUCCA 73
chr-7.trna35-Ala-AGC     UACCCCGCAUCUCCA 73
chr-8.trna4-Ala-AGC      UACCCCGCAUCUCCA 73
chr-15.trna3-Ala-AGC     UACCCCGCAUCUCCA 73
chr-15.trna2-Ala-AGC     UACCCCGCAUCUCCA 73
chr-14.trna37-Ala-AGC    UACCCCGCAUCUCCA 73
chr-14.trna36-Ala-AGC    UACCCCGCAUCUCCA 73
chr-12.trna22-Ala-AGC    UACCCCGCAUCUCCA 73
chr-14.trna34-Ala-AGC    UACCCCGCAUCUCCA 73
chr-14.trna35-Ala-AGC    UACCCCGCAUCUCCA 72
chr-15.trna12-Ala-TGC    CUCCGGACAAACGCA 72
chr-8.trna26-Ala-TGC     GCCUCGUCAAUCCCA 74
chr-8.trna28-Ala-TGC     GCCCGUCAAUCCCA 74
chr-8.trna29-Ala-TGC     GCCUCGUCAAUCCCA 74
chr-8.trna27-Ala-TGC     GCCCUGCCAAUCCCA 74
chr-19.trna24-Ala-TGC    GCCCCGUCAAUCCCA 74
chr-19.trna12-Ala-TGC    GCCCCGUCAAUCCCA 74
chr-19.trna22-Ala-TGC    GCCCCGUCAAUCCCA 74
chr-19.trna21-Ala-TGC    GCCCCGUCAAUCCCA 74
chr-19.trna14-Ala-TGC    GCCCCGUCAAUCCCA 74
                         .........70....
```