```
                        (((((((..((((........)))).(((((........)))))).....(((((.....
chr-1.trna2-Ala-CGC     GGGGGUGUAGCUCAUAUGGUAGAGCGCUCGCUUCGCA-UGCGAGAGGCACGGGGUUCGAU 59
chr-2.trna51-Ala-CGC    GGGGGUGUAGCUCAUAUGGUAGAGCGCUCGCUUCGCA-UGCGAGAGGCACGGGGUUCGAU 59
chr-2.trna53-Ala-CGC    GGGGGUGUAGCUCAUAUGGUAGAGCGCUCGCUUCGCA-UGCGAGAGGCACGGGGUUCGAU 59
chr-6.trna23-Ala-CGC    GGGGGUGUAGCUCAUAUGGUAGAGCGCUCGCUUCGCA-UGCGAGAGGCACGGGGUUCGAU 59
chr-6.trna38-Ala-CGC    GGGGGUGUAGCUCAUAUGGUAGAGCGCUCGCUUCGCA-UGCGAGAGGCACGGGGUUCGAU 59
chr-6.trna41-Ala-CGC    GGGGGUGUAGCUCAUAUGGUAGAGCGCUCGCUUCGCA-UGCGAGAGGCACGGGGUUCGAU 59
chr-6.trna56-Ala-CGC    GGGGGUGUAGCUCAUAUGGUAGAGCGCUCGCUUCGCA-UGCGAGAGGCACGGGGUUCGAU 59
chr-1.trna4-Ala-CGC     GGGGGUGUAGUUCAUAUGGUAGAGCGCUCGCUUCGCA-UGCGAGAGGCACGGGGUUCGAU 59
chr-1.trna99-Ala-TGC    GGGGAUGUAGCUCAGAUGGUAGAGCGCUCGCUUUGCA-UGCGAGAGGCACGGGGUUCGAU 59
chr-6.trna66-Ala-TGC    GGGGAUGUAGCUCAAAUGGUAGAGCGCUCGCUUUGCA-UGCGAGAGGCACGGGGUUCGAU 59
chr-1.trna54-Ala-TGC    GGGGAUGUAGCUCAAAUGGUAGAGCGCUCGCUUUGCA-UGCGAGAGGCACGGGGUUCGAU 59
chr-7.trna3-Ala-TGC     GGGGAUGUAGCUCAAAUGGUAGAGCGCUCGCUUUGCA-UGCGAGAGGCACGGGGUUCGAU 59
chr-5.trna15-Ala-TGC    GGGGAUGUAGCUCAAAUGGUAGAGCGCUCGCUUUGCA-UGCGAGAGGCACGGGGUUCGAU 59
chr-3.trna39-Ala-TGC    GGGGAUGUAGCUCAAAUGGUAGAGCGCUCGCUUUGCA-UGCGAGAGGCACGGGGUUCGAU 59
chr-5.trna16-Ala-TGC    GGGGAUGUAGCUCAAAUGGUAGAGCGCUCGCUUUGCA-UGCGAGAGGCACGGGGUUCGAU 59
chr-5.trna20-Ala-TGC    GGGGAUGUAGCUCAAAUGGUAGAGCGCUCGCUUUGCA-UGCGAGAGGCACGGGGUUCGAU 59
chr-5.trna21-Ala-TGC    GGGGAUGUAGCUCAAAUGGUAGAGCGCUCGCUUUGCA-UGCGAGAGGCACGGGGUUCGAU 59
chr-6.trna65-Ala-AGC    GGGGAUGUAGCUCAGAUGGUAGAGCGCUCGCUUAGCA-UGCGAGAGGUACGGGGAUCGAU 59
chr-1.trna9-Ala-AGC     GGGGAUGUAGCUCAGAUGGUAGAGCGCUCGCUUAGCA-UGCGAGAGGUACGGGGAUCGAU 59
chr-1.trna52-Ala-AGC    GGGGAUGUAGCUCAGAUGGUAGAGCGCUCGCUUAGCA-UGCGAGAGGUACGGGGAUCGAU 59
chr-1.trna78-Ala-AGC    GGGGAUGUAGCUCAGAUGGUAGAGCGCUCGCUUAGCA-UGCGAGAGGUACGGGGAUCGAU 59
chr-2.trna42-Ala-AGC    GGGGAUGUAGCUCAGAUGGUAGAGCGCUCGCUUAGCA-UGCGAGAGGUACGGGGAUCGAU 59
chr-2.trna76-Ala-AGC    GGGGAUGUAGCUCAGAUGGUAGAGCGCUCGCUUAGCA-UGCGAGAGGUACGGGGAUCGAU 59
chr-8.trna9-Ala-AGC     GGGGAUGUAGCUCAGAUGGUAGAGCGCUCGCUUAGCA-UGCGAGAGGUACGGGGAUCGAU 59
chr-2.trna77-Ala-AGC    GGGGAUGUAGCUCAGAUGGUAGAGCGCUCGCUUAGCA-UGCGAGAGGUACGGGGAUCGAU 59
chr-9.trna7-Ala-AGC     GGGGAUGUAGCUCAGAUGGUAGAGCGCUCGCUUAGCA-UGCGAGAGGUACGGGGAUCGAU 59
chr-6.trna1-Ala-AGC     GGGGAUGUAGCUCAGAUGGUAGAGCGCUCGCUUAGCA-UGCGAGAGGUACGGGGAUCGAU 59
chr-2.trna79-Ala-AGC    GGGGAUGUAGCUCAGAUGGUAGAGCGCUCGCUUAGCA-UGCGAGAGGUACGGGGAUCGAU 59
chr-2.trna90-Ala-AGC    GGGGAUGUAGCUCAGAUGGUAGAGCGCUCGCUUAGCA-UGCGAGAGGUACGGGGAUCGAU 59
chr-3.trna81-Ala-AGC    GGGGAUGUAGCUCAGAUGGUAGAGCGCUCGCUUAGCA-UGCGAGAGGUACGGGGAUCGAU 59
chr-4.trna20-Ala-AGC    GGGGAUGUAGCUCAGAUGGUAGAGCGCUCGCUUAGCA-UGCGAGAGGUACGGGGAUCGAU 59
chr-4.trna32-Ala-AGC    GGGGAUGUAGCUCAGAUGGUAGAGCGCUCGCUUAGCA-UGCGAGAGGUACGGGGAUCGAU 59
chr-8.trna15-Ala-AGC    GGGGAUGUAGCUCAGAUGGUAGAGCGCUCGCUUAGCA-UGCGAGAGGUACAGGGAUCGAU 59
chr-9.trna6-Ala-AGC     GGGGAUGUAGCUCAGAUGGUAGAGCGCUCGCUUAGCA-UGCGAGAGGUGCGGGGAUCGAU 59
chr-9.trna10-Ala-TGC    GGGGACGUAGCUCAAAUGGUAGAGCACUCGCAUUGCAUUGCGAGAGGCACGUGGUUCAAU 60
chr-1.trna127-Ala-TGC   GGGGACGUAGCUCAAAUGGUAGAGCACUCGCAUUGCAUUGCGAGAGGCACGGGGUUCAAU 60
chr-5.trna8-Ala-TGC     GGGGACGUAGCUCAAAUGGUAGAGCACUCGCAUUGCAUUGCGAGAGGCACGGGGUUCAAU 60
chr-6.trna19-Ala-TGC    GGGGACGUAGCUCAAAUGGUAGAGCACUCGCAUUGCAUUGCGAGAGGCACGGGGUUCAAU 60
chr-7.trna10-Ala-TGC    GGGGAUGUAGCUCAAAUGGUAGAGCAUUUGCAUUGCAUUGCGAAAGGCACGAGGUUCAAU 60
chr-6.trna20-Ala-TGC    GGGGACGUAGCUCAAAUGGUAGAGCACUCGCAUUGCAUUGCGAGAGGCACGGGCUUCAAG 60
chr-6.trna53-Ala-TGC    GGGAACGUAGCUCAAAUGGUAGAGCACUCGCAUUGCAUUGCGAGAGGCACGGGGUUCAAU 60
                        .........10........20........30........40........50.........
                        .))))))))))))).
chr-1.trna2-Ala-CGC     UCCCCGGACCUCCA 73
chr-2.trna51-Ala-CGC    UCCCCGGACCUCCA 73
chr-2.trna53-Ala-CGC    UCCCCGGACCUCCA 73
chr-6.trna23-Ala-CGC    UCCCCGGACCUCCA 73
chr-6.trna38-Ala-CGC    UCCCCGGACCUCCA 73
chr-6.trna41-Ala-CGC    UCCCCGGACCUCCA 73
chr-6.trna56-Ala-CGC    UCCCCGGACCUCCA 73
chr-1.trna4-Ala-CGC     UCCCCGGACCUCCA 73
chr-1.trna99-Ala-TGC    CCCCCGGAUCUCCA 73
chr-6.trna66-Ala-TGC    CCCCCGGAUCUCCA 73
chr-1.trna54-Ala-TGC    CCCCCGGAUCUCCA 73
chr-7.trna3-Ala-TGC     CCCCCGGAUCUCCA 73
chr-5.trna15-Ala-TGC    CCCCCGGAUCUCCA 73
chr-3.trna39-Ala-TGC    CCCCCGGAUCUCCA 73
chr-5.trna16-Ala-TGC    CCCCCGGAUCUCCA 73
chr-5.trna20-Ala-TGC    CCCCCGGAUCUCCA 73
chr-5.trna21-Ala-TGC    CCCCCGGAUCUCCA 73
chr-6.trna65-Ala-AGC    ACCCCGGAUCUCCA 73
chr-1.trna9-Ala-AGC     ACCCCGGAUCUCCA 73
chr-1.trna52-Ala-AGC    ACCCCGGAUCUCCA 73
chr-1.trna78-Ala-AGC    ACCCCGGAUCUCCA 73
chr-2.trna42-Ala-AGC    ACCCCGGAUCUCCA 73
chr-2.trna76-Ala-AGC    ACCCCGGAUCUCCA 73
chr-8.trna9-Ala-AGC     ACCCCGGAUCUCCA 73
chr-2.trna77-Ala-AGC    ACCCCGGAUCUCCA 73
chr-9.trna7-Ala-AGC     ACCCCGGAUCUCCA 73
chr-6.trna1-Ala-AGC     ACCCCGGAUCUCCA 73
chr-2.trna79-Ala-AGC    ACCCCGGAUCUCCA 73
chr-2.trna90-Ala-AGC    ACCCCGGAUCUCCA 73
chr-3.trna81-Ala-AGC    ACCCCGGAUCUCCA 73
chr-4.trna20-Ala-AGC    ACCCCGGAUCUCCA 73
chr-4.trna32-Ala-AGC    ACCCCGGAUCUCCA 73
chr-8.trna15-Ala-AGC    ACCCCGGAUCUCCA 73
chr-9.trna6-Ala-AGC     ACCCCGGAUCUCCA 73
chr-9.trna10-Ala-TGC    UCCCCGGAUCCCCA 74
chr-1.trna127-Ala-TGC   UCCCCACAUCCCCA 74
chr-5.trna8-Ala-TGC     UCCCCGGAUCCCCA 74
chr-6.trna19-Ala-TGC    UCCCCGGAUCCCCA 74
chr-7.trna10-Ala-TGC    UCCUCGGAUCUCCA 74
chr-6.trna20-Ala-TGC    UCCCCGGAUCCCCA 74
chr-6.trna53-Ala-TGC    UCCCCACAUCCCCA 74
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