```
                                (((((((..((((........)))).(((((.......)))))).....(((((.......
chr-7.trna19-Ala-CGC    GGGGGUGUAGCUCAUAUGGUAGAGCGCUCGCUUCGCAUGCGAGAGGCACGGGGUUCGAUU 60
chr-1.trna16-Ala-CGC    GGGGGUGUAGCUCAUAUGGUAGAGCGCUCGCUUCGCAUGCGAGAGGCACGGGGUUCGAUU 60
chr-15.trna8-Ala-CGC    GGGGGUGUAGCUCAUAUGGUAGAGCGCUCGCUUCGCAUGCGAGAGGCACGGGGUUCGAUU 60
chr-4.trna30-Ala-CGC    GGGGACGUAGCUCAUAUGGUAGAGCGCUCGCUUCGCAUGCGAGAGGCACGGGGUUCGAUU 60
chr-6.trna18-Ala-CGC    GGGGACGUAGCUCAUAUGGUAGAGCGCUCGCUUCGCAUGCGAGAGGCACGGGGUUCGAUU 60
chr-12.trna24-Ala-CGC   GGGGACGUAGCUCAUAUGGUAGAGCGCUCGCUUCGCAUGCGAGAGGCACGGGGUUCGAUU 60
chr-14.trna16-Ala-CGC   GGGGACGUAGCUCAUAUGGUAGAGCGCUCGCUUCGCAUGCGAGAGGCACGGGGUUCGAUU 60
chr-5.trna22-Ala-TGC    GGGGAUGUAGCUCAAAUGGUAGAGCGCCCGCUUUGCAUGCGGGAGGUACAGGGUUCGAUC 60
chr-5.trna40-Ala-TGC    GGGGAUGUAGCUCAAAUGGUAGAGCGCCCGCUUUGCAUGCGGGAGGUACAGGGUUCGAUC 60
chr-17.trna38-Ala-TGC   GGGGAUGUAGCUCAAAUGGUAGAGCGCCCGCUUUGCAUGCGGGAGGUACAGGGUUCGAUC 60
chr-13.trna29-Ala-TGC   GGGGAUGUAGCUCAAAUGGUAGAGCGCCCGCUUUGCAUGCGGGAGGUACAGGGUUCGAUC 60
chr-9.trna6-Ala-TGC     GGGGAUGUAGCUCAAAUGGUAGAGCGCCCGCUUUGCAUGCGGGAGGUACAGGGUUCGAUC 60
chr-9.trna36-Ala-TGC    GGGGAUGUAGCUCAAAUGGUAGAGCGCCCGCUUUGCAUGCGGGAGGUACAGGGUUCGAUC 60
chr-17.trna5-Ala-TGC    GGGGAUGUAGCUCAAAUGGUAGAGCGCCCGCUUUGCAUGCGGGAGGUACAGGGUUCGAUC 60
chr-9.trna37-Ala-TGC    GGGGAUGUAGCUCAAAUGGUAGAGCGCCCGCUUUGCAUGCGGGAGGUACAGGGUUCGAUC 60
chr-9.trna38-Ala-TGC    GGGGAUGUAGCUCAAAUGGUAGAGCGCCCGCUUUGCAUGCGGGAGGUACAGGGUUCGAUC 60
chr-10.trna32-Ala-TGC   GGGGAUGUAGCUCAAAUGGUAGAGCGCCCGCUUUGCAUGCGGGAGGUACAGGGUUCGAUC 60
chr-10.trna15-Ala-TGC   GGGGAUGUAGCUCAAAUGGUAGAGCGCCCGCUUUGCAUGCGGGAGGUACAGGGUUCGAUC 60
chr-12.trna4-Ala-TGC    GGGGAUGUAGCUCACAUGGUAGAGCGCUCGCUUUGCAUGCGAGAGGUACGGGGUUCGAUA 60
chr-14.trna3-Ala-TGC    GGGGAUGUAGCUCACAUGGUAGAGCGCUCGCUUUGCAUGCGAGAGGUACGGGGUUCGAUA 60
chr-14.trna4-Ala-TGC    GGGGAUGUAGCUCACAUGGUAGAGCGCUCGCUUUGCAUGCGAGAGGUACGGGGUUCGAUA 60
chr-3.trna38-Ala-AGC    GGGGAUGUAGCUCAGAUGGUAGAGCGCUCGCUUAGCAUGCGAGAGGUACGGGGAUCGAUA 60
chr-8.trna29-Ala-AGC    GGGGAUGUAGCUCAGAUGGUAGAGCGCUCGCUUAGCAUGCGAGAGGUACGGGGAUCGAUA 60
chr-10.trna16-Ala-AGC   GGGGAUGUAGCUCAGAUGGUAGAGCGCUCGCUUAGCAUGCGAGAGGUACGGGGAUCGAUA 60
chr-11.trna38-Ala-AGC   GGGGAUGUAGCUCAGAUGGUAGAGCGCUCGCUUAGCAUGCGAGAGGUACGGGGAUCGAUA 60
chr-15.trna65-Ala-AGC   GGGGAUGUAGCUCAGAUGGUAGAGCGCUCGCUUAGCAUGCGAGAGGUACGGGGAUCGAUA 60
chr-5.trna23-Ala-AGC    GGGGAUGUAGCUCAGAUGGUAGAGCGCUCGCUUAGCAUGCGAGAGGCACGGGGAUCGAUA 60
chr-2.trna2-Ala-AGC     GGGGAUGUAGCUCAGAUGGUAGAGCGCUCGCUUAGCAUGCGAGAGGUAUGGGGAUCGAUA 60
chr-3.trna24-Ala-AGC    GGGGAUGUAGCUCAGAUGGUAGAGCGCUCGCUUAGCAUGCGAGAGGUAUGGGGAUCGAUA 60
chr-11.trna25-Ala-AGC   GGGGAUGUAGCUCAGAUGGUAGAGCGCUCGCUUAGCAUGCGAGAGGUAUGGGGAUCGAUA 60
chr-14.trna7-Ala-AGC    GGGGAUGUAGCUCAGAUGGUAGAGCGCUCGCUUAGCAUGCGAGAGGUAUGGGGAUCGAUA 60
chr-13.trna2-Ala-AGC    GGGGAUGUAGCUCAGAUGGUAGAGCGCUCGCUUAGCAUGCGAGAGGUAUGGGGAUCGAUA 60
chr-6.trna2-Ala-AGC     GGGGAUGUAGCUCAGAUGGUAGAGCGCUCGCUUAGCAUGCGAGAGGUAUGGGGAUCGAUA 60
chr-9.trna10-Ala-AGC    GGGGAUGUAGCUCAGAUGGUAGAGCGCUCGCUUAGCAUGCGAGAGGUAUGGGGAUCGAUA 60
chr-17.trna8-Ala-AGC    GGGGAUGUAGCUCAGAUGGUAGAGCGCUCGCUUAGCAUGCGAGAGGUAUGGGGAUCGAUA 60
chr-9.trna5-Ala-AGC     GGGGAUGUAGCUCAGAUGGUAGAGCGCUCGCUUAGCAUGCGAGAGGUAUGGGGAUCGAUA 60
chr-9.trna4-Ala-AGC     GGGGAUGUAGCUCAGAUGGUAGAGCGCUCGCUUAGCAUGCGAGAGGUAUGGGGAUCGAUA 60
chr-17.trna4-Ala-AGC    GGGGAUGUAGCUCAGAUGGUAGAGCGCUCGCUUAGCAUGCGAGAGGUAUGGGGAUCGAUA 60
chr-6.trna7-Ala-AGC     GGGGAUGUAGCUCAGAUGGUAGAGCGCUCGCUUAGCAUGCGAGAGGUAUGGGGAUCGAUA 60
chr-16.trna2-Ala-AGC    GGGGAUGUAGCUCAGAUGGUAGAGCGCUCGCUUAGCAUGCGAGAGGUAUGGGGAUCGAUA 60
chr-16.trna19-Ala-AGC   GGGGAUGUAACUCAGAUGGUAGAGCGCUCGCUUAGCACGCGAGAGGUAUGGGGAUCGAUA 60
chr-9.trna27-Ala-AGC    GGGGAUGUAGCUCAAAUGGGAGAGCAUUCGCUUAGCAUACGAGAGGCACGGGGAUCAAUA 60
chr-9.trna11-Ala-AGC    GGCGAUGUAGCUCAGAUGGUAGAACGCUCGCUUAGCAUGCGAGAGGUAUGGGGAUCGAUA 60
chr-3.trna37-Ala-TGC    GG-GGUGUAGCUCAAAUGAUAGAGCGCUCGCUUUGCAUGCGAGAGGUACAGGGUUUGAUC 59
                        .........10........20........30........40........50.........
                        ))))))))))).
chr-7.trna19-Ala-CGC    CCCCGCACCUCCA 73
chr-1.trna16-Ala-CGC    CCCCGCACCUCCA 73
chr-15.trna8-Ala-CGC    CCCCGCACCUCCA 73
chr-4.trna30-Ala-CGC    CCCCGCGUCUCCA 73
chr-6.trna18-Ala-CGC    CCCCGCGUCUCCA 73
chr-12.trna24-Ala-CGC   CCCCGCGUCUCCA 73
chr-14.trna16-Ala-CGC   CCCAACGUCUCCA 73
chr-5.trna22-Ala-TGC    CCCUGCAUCUCCA 73
chr-5.trna40-Ala-TGC    CCCUGCAUCUCCA 73
chr-17.trna38-Ala-TGC   CCCUGCAUCUCCA 73
chr-13.trna29-Ala-TGC   CCCUGCAUCUCCA 73
chr-9.trna6-Ala-TGC     CCCUGCAUCUCCA 73
chr-9.trna36-Ala-TGC    CCCUGCAUCUCCA 73
chr-17.trna5-Ala-TGC    CCCUGCAUCUCCA 73
chr-9.trna37-Ala-TGC    CCCUGCAUCUCCA 73
chr-9.trna38-Ala-TGC    CCCUGCAUCUCCA 73
chr-10.trna32-Ala-TGC   CCCUGCAUCUCCA 73
chr-10.trna15-Ala-TGC   CCCUGCAUCUCCA 73
chr-12.trna4-Ala-TGC    CCCCGCAUCUCCA 73
chr-14.trna3-Ala-TGC    CCCCGCAUCUCCA 73
chr-14.trna4-Ala-TGC    CCCCGCAUCUCCA 73
chr-3.trna38-Ala-AGC    CCCCGCAUCUCCA 73
chr-8.trna29-Ala-AGC    CCCCGCAUCUCCA 73
chr-10.trna16-Ala-AGC   CCCCGCAUCUCCA 73
chr-11.trna38-Ala-AGC   CCCCGCAUCUCCA 73
chr-15.trna65-Ala-AGC   CCCCGCAUCUCCA 73
chr-5.trna23-Ala-AGC    CCCCGCAUCUCCA 73
chr-2.trna2-Ala-AGC     CCCCACUUCUCCA 73
chr-3.trna24-Ala-AGC    CCCCACUUCUCCA 73
chr-11.trna25-Ala-AGC   CCCCACUUCUCCA 73
chr-14.trna7-Ala-AGC    CCCCACUUCUCCA 73
chr-13.trna2-Ala-AGC    CCCCACUUCUCCA 73
chr-6.trna2-Ala-AGC     CCCCACUUCUCCA 73
chr-9.trna10-Ala-AGC    CCCCACUUCUCCA 73
chr-17.trna8-Ala-AGC    CCCCACUUCUCCA 73
chr-9.trna5-Ala-AGC     CCCCACUUCUCCA 73
chr-9.trna4-Ala-AGC     CCCCACUUCUCCA 73
chr-17.trna4-Ala-AGC    CCCCACUUCUCCA 73
chr-6.trna7-Ala-AGC     CCCCACUUCUCCA 73
chr-16.trna2-Ala-AGC    CCCCACUUCUCCA 73
chr-16.trna19-Ala-AGC   CCCCACUUCUCCA 73
chr-9.trna27-Ala-AGC    CCCCGCAUCCCCA 73
chr-9.trna11-Ala-AGC    CCCCACUUCUCCA 73
chr-3.trna37-Ala-TGC    UCCUGCAUCUCCA 72
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