```
                                 (((((((..((((........)))).(((((.......)))))).....(((((.......
chr-8.trna2-Ala-TGC              GGGGAUGUAGCUCAAAUGGCAGAGUGCUCACUUUGCGCGCAAGAGGUACAGGGUUCGAUC 60
chr-15.trna27-Ala-TGC            GGGGAUGUAGCUCAAAUGGUAGAGCGCUCGCUUUGCAUGUGAGAGGUACAGGGUUUGAUC 60
chr-14.trna10-Ala-TGC            GGGGAUGUAGCUCAAUUGGUAGAGCGCUCGCUUUGCAUGCGAGAGGCACAGGGUUCGAUU 60
chr-10.trna19-Ala-CGC            GGGGGUGUAGCUCAUAUGGUAGAGCGCUCGCUUCGCAUGCGAGAGGCACGGGGUUCGAUU 60
chr-12.trna16-Ala-CGC            GGGGGUGUAGCUCAUAUGGUAGAGCGCUCGCUUCGCAUGCGAGAGGCACGGGGUUCGAUU 60
chr-10.trna12-Ala-CGC            GGGGACGUAGCUCAUAUGGUAGAGCGCUCGCUUCGCAUGCGAGAGGCACGGGGUUCGAUU 60
chr-3.trna16-Ala-CGC             GGGGACGUAGCUCAUAUGGUAGAGCGCUCGCUUCGCAUGCGAGAGGUACGGGGUUCGAUU 60
chr-15.trna28-Ala-TGC            GGGGAUGUAGCUCAAAUGGUAGAGCGCUCGCUUUGCAUGCGAGAGGUACAGGGUUCGAUC 60
chr-10.trna27-Ala-TGC            GGGGAUGUAGCUCAAAUGGUAGAGCGCUCGCUUUGCAUGCGAGAGGUACAGGGUUCGAUC 60
chr-5.trna18-Ala-TGC             GGGGAUGUAGCUCAAAUGGUAGAGCGCUCGCUUUGCAUGCGAGAGGUACAGGGUUCGAUC 60
chr-6.trna5-Ala-TGC              GGGGAUGUAGCUCAAAUGGUAGAGCGCUCGCUUUGCAUGCGAGAGGUACAGGGUUCGAUC 60
chr-1.trna8-Ala-TGC              GGGGAUGUAGCUCAAAUGGUAGAGCGCUCGCUUUGCAUGCGAGAGGUACAGGGUUCGAUC 60
chr-2.trna33-Ala-TGC             GGGGAUGUAGCUCAAAUGGUAGAGCGCUCGCUUUGCAUGCGAGAGGCACGGGGUUCGAUC 60
chr-1.trna22-Ala-AGC             GGGGAUGUAGCUCAGAUGGUAGAGCGCUCGCUUAGCAUGCGAGAGGUACGGGGAUCGAUA 60
chr-2.trna9-Ala-AGC              GGGGAUGUAGCUCAGAUGGUAGAGCGCUCGCUUAGCAUGCGAGAGGUACGGGGAUCGAUA 60
chr-14.trna14-Ala-AGC            GGGGAUGUAGCUCAGAUGGUAGAGCGCUCGCUUAGCAUGCGAGAGGUACGGGGAUCGAUA 60
chr-2.trna44-Ala-AGC             GGGGAUGUAGCUCAGAUGGUAGAGCGCUCGCUUAGCAUGCGAGAGGUACGGGGAUCGAUA 60
chr-13.trna16-Ala-AGC            GGGGAUGUAGCUCAGAUGGUAGAGCGCUCGCUUAGCAUGCGAGAGGUACGGGGAUCGAUA 60
chr-3.trna23-Ala-AGC             GGGGAUGUAGCUCAGAUGGUAGAGCGCUCGCUUAGCAUGCGAGAGGUACGGGGAUCGAUA 60
chr-12.trna3-Ala-AGC             GGGGAUGUAGCUCAGAUGGUAGAGCGCUCGCUUAGCAUGCGAGAGGUACGGGGAUCGAUA 60
chr-4.trna10-Ala-AGC             GGGGAUGUAGCUCAGAUGGUAGAGCGCUCGCUUAGCAUGCGAGAGGUACGGGGAUCGAUA 60
chr-8.trna1-Ala-AGC              GGGGAUGUAGCUCAGAUGGUAGAGCGCUCGCUUAGCAUGCGAGAGGUACGGGGAUCGAUA 60
chr-8.trna20-Ala-AGC             GGGGAUGUAGCUCAGAUGGUAGAGCGCUCGCUUAGCAUGCGAGAGGUACGGGGAUCGAUA 60
chr-10.trna6-Ala-AGC             GGGGAUGUAGCUCAGAUGGUAGAGCGCUCGCUUAGCAUGCGAGAGGUACGGGGAUCGAUA 60
chr-9.trna28-Ala-AGC             GGGGAUGUAGCUCAGAUGGUAGAGCGCUCGCUUAGCAUGCGAGAGGUACGGGGAUCGAUA 60
chr-5.trna34-Ala-AGC             GGGGAUGUAGCUCAGAUGGUAGAGCGCCCGCUUAGCAUGCGAGAGGUACGGGGAUCGAUA 60
chr-9.trna24-Ala-TGC             GGGUAUGUAGCUCAAAUAGUUGAGCGCUCGCUUUGCAUGCGAGAGGCACGGGGUUCGAUC 60
chr-5.trna39-Ala-AGC             GGGCAUUUGGUCCAG-UGGUAUGAUUCUCCCUCAGCGUGCGAGAGGUCCUUAGUUUAAUU 59
                                 .........10........20........30........40........50.........

                                 )).)))))))))).
chr-8.trna2-Ala-TGC              CC-UUGCAUCUCCA 73
chr-15.trna27-Ala-TGC            CCCUACAUCUCCA 74
chr-14.trna10-Ala-TGC            CC-CUGCAUCUCCA 73
chr-10.trna19-Ala-CGC            CC-CCGCACCUCCA 73
chr-12.trna16-Ala-CGC            CC-CCGCACCUCCA 73
chr-10.trna12-Ala-CGC            CC-CCGCGUCUCCA 73
chr-3.trna16-Ala-CGC             CC-CCGCGUCUCCA 73
chr-15.trna28-Ala-TGC            CC-CUGCAUCUCCA 73
chr-10.trna27-Ala-TGC            CC-CUGCAUCUCCA 73
chr-5.trna18-Ala-TGC             CC-CUGCAUCUCCA 73
chr-6.trna5-Ala-TGC              CC-CUGCAUCUCCA 73
chr-1.trna8-Ala-TGC              CC-CUGCAUUUCCA 73
chr-2.trna33-Ala-TGC             CC-CCGCAUCUCCA 73
chr-1.trna22-Ala-AGC             CC-CCGCAUCUCCA 73
chr-2.trna9-Ala-AGC              CC-CCGCAUCUCCA 73
chr-14.trna14-Ala-AGC            CC-CCGCAUCUCCA 73
chr-2.trna44-Ala-AGC             CC-CCGCAUCUCCA 73
chr-13.trna16-Ala-AGC            CC-CCGCAUCUCCA 73
chr-3.trna23-Ala-AGC             CC-CCGCAUCUCCA 73
chr-12.trna3-Ala-AGC             CC-CCGCAUCUCCA 73
chr-4.trna10-Ala-AGC             CC-CCGCAUCUCCA 73
chr-8.trna1-Ala-AGC              CC-CCGCAUCUCCA 73
chr-8.trna20-Ala-AGC             CC-CCGCAUCUCCA 73
chr-10.trna6-Ala-AGC             CC-CCGCAUCUCCA 73
chr-9.trna28-Ala-AGC             CC-CCGCAUCUCCA 73
chr-5.trna34-Ala-AGC             CC-CCGCAUCUCCA 73
chr-9.trna24-Ala-TGC             CC-CCGCCUUUCCA 73
chr-5.trna39-Ala-AGC             CU-CGGAAUGCCCC 72
                                 .........70...
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