```
                                ((....(((((..((((........)))).(((((.......)))))).....(((((..
chr-1.trna43-Ala-TGC    GG----GGAUGUAGCUCAAAUGGUAGAGCGCUCGCUUUGCAUGCGAGAGGCACGGGGUUC 56
chr-10.trna8-Ala-TGC    GG----GGAUGUAGCUCAAAUGGUAGAGCGCUCGCUUUGCAUGCGAGAGGCACGGGGUUC 56
chr-2.trna15-Ala-TGC    GG----GGAUGUAGCUCAAAUGGUAGAGCGCUCGCUUUGCAUGCGAGAGGCACGGGGUUC 56
chr-2.trna41-Ala-TGC    GG----GGAUGUAGCUCAAAUGGUAGAGCGCUCGCUUUGCAUGCGAGAGGCACGGGGUUC 56
chr-11.trna27-Ala-TGC   GG----GGAUGUAGCUCAAAUGGUAGAGCGCUCGCUUUGCAUGCGAGAGGCACGGGGUUC 56
chr-12.trna48-Ala-TGC   GG----GGAUGUAGCUCAAAUGGUAGAGCGCUCGCUUUGCAUGCGAGAGGCACGGGGUUC 56
chr-4.trna14-Ala-TGC    GG----GGAUGUAGCUCAAAUGGUAGAGCGCUCGCUUUGCAUGCGAGAGGCACGGGGUUC 56
chr-12.trna8-Ala-TGC    GG----GGAUGUAGCUCAAAUGGUAGAGCGCUCGCUUUGCAUGCGAGAGGCACGGGGUUC 56
chr-11.trna24-Ala-TGC   GG----GGGUGUAGCUCAAAUGGUAGAGCGCUCGCUUUGCAUGCGAGAGGCACGGGGUUC 56
chr-12.trna30-Ala-TGC   GG----GGAUGUAGCUCAAAUGGUGGAGCGCUCGCUUUGCAUGCGAGAGGCACGGGGUUC 56
chr-2.trna2-Ala-CGC     GG----GGGUGUAGCUCAUAUGGUAGAGCGCUCGCUUCGCAUGCGAGAGGCACGGGGUUC 56
chr-3.trna9-Ala-CGC     GG----GGGUGUAGCUCAUAUGGUAGAGCGCUCGCUUCGCAUGCGAGAGGCACGGGGUUC 56
chr-4.trna24-Ala-CGC    GG----GGGUGUAGCUCAUAUGGUAGAGCGCUCGCUUCGCAUGCGAGAGGCACGGGGUUC 56
chr-4.trna28-Ala-CGC    GG----GGGUGUAGCUCAUAUGGUAGAGCGCUCGCUUCGCAUGCGAGAGGCACGGGGUUC 56
chr-6.trna1-Ala-CGC     GG----GGGUGUAGCUCAUAUGGUAGAGCGCUCGCUUCGCAUGCGAGAGGCACGGGGUUC 56
chr-7.trna26-Ala-CGC    GG----GGGUGUAGCUCAUAUGGUAGAGCGCUCGCUUCGCAUGCGAGAGGCACGGGGUUC 56
chr-2.trna11-Ala-CGC    GG----GGACGUAGCUCAUAUGGUAGAGCGCUCGCUUCGCAUGCGAGAGGCACGGGGUUC 56
chr-2.trna29-Ala-CGC    GG----GGACGUAGCUCAUAUGGUAGAGCGCUCGCUUCGCAUGCGAGAGGCACGGGGUUC 56
chr-9.trna12-Ala-CGC    GG----GGACGUAGCUCAUAUGGUAGAGCGCUCGCUUCGCAUGCGAGAGGCACGGGGUUC 56
chr-4.trna9-Ala-CGC     GG----GGACGUAGCUCAUAUGGUAGAGCGCUCGCUUCGCAUGCGAGAGGCACGGGGUUC 56
chr-8.trna19-Ala-CGC    GG----GGACGUAGCUCAUAUGGUAGAGCGCUCGCUUCGCAUGCGAGAGGCACGGGGUUC 56
chr-1.trna57-Ala-AGC    GG----GGAUGUAGCUCAGAUGGUAGAGCGCUCGCUUAGCAUGCGAGAGGUACGGGGAUC 56
chr-11.trna13-Ala-AGC   GG----GGAUGUAGCUCAGAUGGUAGAGCGCUCGCUUAGCAUGCGAGAGGUACGGGGAUC 56
chr-6.trna10-Ala-AGC    GG----GGAUGUAGCUCAGAUGGUAGAGCGCUCGCUUAGCAUGCGAGAGGUACGGGGAUC 56
chr-7.trna37-Ala-AGC    GG----GGAUGUAGCUCAGAUGGUAGAGCGCUCGCUUAGCAUGCGAGAGGUACGGGGAUC 56
chr-5.trna19-Ala-AGC    GG----GGAUGUAGCUCAGAUGGUAGAGCGCUCGCUUAGCAUGCGAGAGGUACGGGGAUC 56
chr-8.trna13-Ala-AGC    GG----GGAUGUAGCUCAGAUGGUAGAGCGCUCGCUUAGCAUGCGAGAGGUACGGGGAUC 56
chr-12.trna47-Ala-AGC   GG----GGAUGUAGCUCAGAUGGUAGAGCGCUCGCUUAGCAUGCGAGAGGUACGGGGAUC 56
chr-7.trna36-Ala-AGC    GG----GGAUGUAGCUCAGAUGGUAGAGCGCUCGCUUAGCAUGCGAGAGGUACGGGGAUC 56
chr-6.trna26-Ala-AGC    GG----GGAUGUAGCUCAGAUGGUAGAGCGCUCGCUUAGCAUGCGAGAGGUACGGGGAUC 56
chr-4.trna4-Ala-AGC     GG----GGAUGUAGCUCAGAUGGUAGAGCGCUCGCUUAGCAUGCGAGAGGUACGGGGAUC 56
chr-3.trna57-Ala-AGC    GG----GGAUGUAGCUCAGAUGGUAGAGCGCUCGCUUAGCAUGCGAGAGGUACGGGGAUC 56
chr-3.trna43-Ala-AGC    GG----GGAUGUAGCUCAGAUGGUAGAGCGCUCGCUUAGCAUGCGAGAGGUACGGGGAUC 56
chr-3.trna12-Ala-AGC    GG----GGAUGUAGCUCAGAUGGUAGAGCGCUCGCUUAGCAUGCGAGAGGUACGGGGAUC 56
chr-6.trna28-Ala-AGC    GG----GGAUGUAGCUCAGAUGGUAGAGCGCUCGCUUAGCAUGCGAGAGGUACGGGGAUC 56
chr-7.trna20-Ala-AGC    GG----GGAUGUAGCUCAGAUGGUAGAGCGCUCGCUUAGCAUGCGAGAGGUACGGGGAUC 56
chr-12.trna12-Ala-AGC   GG----GGAUGUAGCUCAGAUGGUAGAGCGCUCGCUUAGCAUGCGAGAGGCACGGGGAUC 56
chr-11.trna26-Ala-AGC   GG----GGGUGUAGCUCAGAUGGUAGAGCGCUCGCUUAGCAUGCGAGAGGUACGGGGAUU 56
chr-10.trna6-Ala-AGC    GG----GGAUGUAGCUCAGAUGGUAGAGCGCUCGCUUAGCAUGCGAGAGGUACGGGGAUC 56
chr-6.trna12-Ala-AGC    GG----GGAUGUGGCUCAGAUGGUAGAGCGCUCGCUUAGCAUGUGAGAGGUACGGGGAUC 56
chr-1.trna18-Ala-CGC    CGUUGGGGACGUAGCUCAUAUGGUAGAGCGCUCGCUUCGCAUGCGAGAGGCACGGGGUUC 60
                        .........10........20........30........40........50.........

                        ....))))))))))))).
chr-1.trna43-Ala-TGC    GAUCCCCCGCAUCUCCA 73
chr-10.trna8-Ala-TGC    GAUCCCCCGCAUCUCCA 73
chr-2.trna15-Ala-TGC    GAUCCCCCGCAUCUCCA 73
chr-2.trna41-Ala-TGC    GAUCCCCCGCAUCUCCA 73
chr-11.trna27-Ala-TGC   GAUCCCCCGCAUCUCCA 73
chr-12.trna48-Ala-TGC   GAUCCCCCGCAUCUCCA 73
chr-4.trna14-Ala-TGC    GAUCCCCCGCAUCUCCA 73
chr-12.trna8-Ala-TGC    GAUCCCCCGCAUCUCCA 73
chr-11.trna24-Ala-TGC   GAUCCCCCGCAUCUCCA 73
chr-12.trna30-Ala-TGC   GAUCCCCCGCGUCUCCA 73
chr-2.trna2-Ala-CGC     GAUUCCCCGCACCUCCA 73
chr-3.trna9-Ala-CGC     GAUUCCCCGCACCUCCA 73
chr-4.trna24-Ala-CGC    GAUUCCCCGCACCUCCA 73
chr-4.trna28-Ala-CGC    GAUUCCCCGCACCUCCA 73
chr-6.trna1-Ala-CGC     GAUUCCCCGCACCUCCA 73
chr-7.trna26-Ala-CGC    GAUUCCCCGCACCUCCA 73
chr-2.trna11-Ala-CGC    GAUUCCCCGCGUCUCCA 73
chr-2.trna29-Ala-CGC    GAUUCCCCGCGUCUCCA 73
chr-9.trna12-Ala-CGC    GAUUCCCCGCGUCUCCA 73
chr-4.trna9-Ala-CGC     GAUUCCCCGCGUCUCCA 73
chr-8.trna19-Ala-CGC    GAUUCCCCGCGUCUCCA 73
chr-1.trna57-Ala-AGC    GAUACCCCGCAUCUCCA 73
chr-11.trna13-Ala-AGC   GAUACCCCGCAUCUCCA 73
chr-6.trna10-Ala-AGC    GAUACCCCGCAUCUCCA 73
chr-7.trna37-Ala-AGC    GAUACCCCGCAUCUCCA 73
chr-5.trna19-Ala-AGC    GAUACCCCGCAUCUCCA 73
chr-8.trna13-Ala-AGC    GAUACCCCGCAUCUCCA 73
chr-12.trna47-Ala-AGC   GAUACCCCGCAUCUCCA 73
chr-7.trna36-Ala-AGC    GAUACCCCGCAUCUCCA 73
chr-6.trna26-Ala-AGC    GAUACCCCGCAUCUCCA 73
chr-4.trna4-Ala-AGC     GAUACCCCGCAUCUCCA 73
chr-3.trna57-Ala-AGC    GAUACCCCGCAUCUCCA 73
chr-3.trna43-Ala-AGC    GAUACCCCGCAUCUCCA 73
chr-3.trna12-Ala-AGC    GAUACCCCGCAUCUCCA 73
chr-6.trna28-Ala-AGC    GAUACCCCGCAUCUCCA 73
chr-7.trna20-Ala-AGC    GAUACCCCGCAUCUCCA 73
chr-12.trna12-Ala-AGC   GAUACCCCGCAUCUCCA 73
chr-11.trna26-Ala-AGC   GAUACCCCGCAUCUCCA 73
chr-10.trna6-Ala-AGC    GAUGCCCCGCAUCUCCA 73
chr-6.trna12-Ala-AGC    GAUACCCCGCAUCUCCA 73
chr-1.trna18-Ala-CGC    GAUUCCCCGCGUAUCGU 77
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