```
                                (((((.(((..((((........)))).(((((.......)))))).......(((((....
chr-6.trna108-Ala-TGC     GGGG-AUGUAGCUCAAAUGGUAGAGCGCUCGCUUUGCAUGCGAGA--GGCAUGGGGUUCG 57
chr-14.trna47-Ala-TGC     GGGG-AUGUAGCUCAAAUGGUAGAGCGCUCGCUUUGCAUGCGAGA--GGUACGAGGUUCG 57
chr-4.trna34-Ala-TGC      GGGG-AUGUAGCUCAAAUGGUAGAGCGCUCGCUUUGCAUGCGAGA--GUCACGGGGUUCG 57
chr-4.trna60-Ala-TGC      GGGG-AUGUAGCUCAAAUGGUAGAGCGCUCGCUUUGCAUGCGAGA--GUCACGGGGUUCG 57
chr-4.trna58-Ala-TGC      GGGG-AUGUAGCUCAAAUGGUAGAGCGCUCGCUUUGCAUGCGAGA--GUCACGGGGUUCG 57
chr-4.trna32-Ala-TGC      GGGG-AUGUAGCUCAAAUGGUAGAGCGCUCGCUUUGCAUGCGAGA--GUCAUGGGGUUCG 57
chr-2.trna1-Ala-TGC       GGGG-AUGUAGCUCAAAUGGUAGAGCGCUCGCUUUGCAUGCGAGA--GGCACGGGGUUCG 57
chr-2.trna181-Ala-TGC     GGGG-AUGUAGCUCAAAUGGUAGAGCGCUCGCUUUGCAUGCGAGA--GGCACGGGGUUCG 57
chr-4.trna26-Ala-TGC      GGGG-AUGUAGCUCAAAUGGUAGAGCGCUCGCUUUGCAUGCGAGA--GGCACGGGGUUCG 57
chr-4.trna28-Ala-TGC      GGGG-AUGUAGCUCAAAUGGUAGAGCGCUCGCUUUGCAUGCGAGA--GGCACGGGGUUCG 57
chr-4.trna36-Ala-TGC      GGGG-AUGUAGCUCAAAUGGUAGAGCGCUCGCUUUGCAUGCGAGA--GGCACGGGGUUCG 57
chr-4.trna41-Ala-TGC      GGGG-AUGUAGCUCAAAUGGUAGAGCGCUCGCUUUGCAUGCGAGA--GGCACGGGGUUCG 57
chr-4.trna47-Ala-TGC      GGGG-AUGUAGCUCAAAUGGUAGAGCGCUCGCUUUGCAUGCGAGA--GGCACGGGGUUCG 57
chr-4.trna53-Ala-TGC      GGGG-AUGUAGCUCAAAUGGUAGAGCGCUCGCUUUGCAUGCGAGA--GGCACGGGGUUCG 57
chr-14.trna60-Ala-TGC     GGGG-AUGUAGCUCAAAUGGUAGAGCGCUCGCUUUGCAUGCGAGA--GGCACGGGGUUCG 57
chr-4.trna118-Ala-TGC     GGGG-AUGUAGCUCAAAUGGUAGAGCGCUCGCUUUGCAUGCGAGA--GGCACGGGGUUCG 57
chr-4.trna143-Ala-TGC     GGGG-AUGUAGCUCAAAUGGUAGAGCGCUCGCUUUGCAUGCGAGA--GGCACGGGGUUCG 57
chr-1.trna165-Ala-TGC     GGGG-AUGUAGCUCAAAUGGUAGAGCGCUCGCUUUGCAUGCGAGA--GGCACGGGGUUCG 57
chr-6.trna60-Ala-TGC      GGGG-AUGUAGCUCAAAUGGUAGAGCGCUCGCUUUGCAUGCGAGA--GGCACGGGGUUCG 57
chr-12.trna174-Ala-TGC    GGGG-AUGUAGCUCAAAUGGUAGAGCGCUCGCUUUGCAUGCGAGA--GGCACGGGGUUCG 57
chr-12.trna172-Ala-TGC    GGGG-AUGUAGCUCAAAUGGUAGAGCGCUCGCUUUGCAUGCGAGA--GGCACGGGGUUCG 57
chr-7.trna93-Ala-TGC      GGGG-AUGUAGCUCAAAUGGUAGAGCGCUCGCUUUGCAUGCGAGA--GGCACGGGGUUCG 57
chr-12.trna98-Ala-TGC     GGGG-AUGUAGCUCAAAUGGUAGAGCGCUCGCUUUGCAUGCGAGA--GGCACGGGGUUCG 57
chr-8.trna9-Ala-TGC       GGGG-AUGUAGCUCAAAUGGUAGAGCGCUCGCUUUGCAUGCGAGA--GGCACGGGGUUCG 57
chr-8.trna23-Ala-TGC      GGGG-AUGUAGCUCAAAUGGUAGAGCGCUCGCUUUGCAUGCGAGA--GGCACGGGGUUCG 57
chr-12.trna90-Ala-TGC     GGGG-AUGUAGCUCAAAUGGUAGAGCGCUCGCUUUGCAUGCGAGA--GGCACGGGGUUCG 57
chr-15.trna68-Ala-TGC     GGGG-AUGUAGCUCAAAUGGUAGAGUGCUCGCUUUGCAUGCGAGA--GGCACGGGGUUCG 57
chr-15.trna69-Ala-TGC     GGGG-AUGUAGCUCAAAUGGUAGAGUGCUCGCUUUGCAUGCGAGA--GGCACGGGGUUCG 57
chr-8.trna11-Ala-TGC      GGGG-AUGUAGCUCAAAUGGUAGAGCGCUCGCUUUGCAUGCGAGA--GGCACGGGGUUCG 57
chr-4.trna38-Ala-TGC      GGGG-AUGUAGCUCAAAUGGUAGAGCGCUCGCUUUGCAUGCGAGA--GGCACGGGGUUCG 57
chr-4.trna116-Ala-TGC     GGGG-AUGUAGCUCAAAUGGUAGAGCGCUCGCUUUGCAUGCGAGA--GGCACGGGGUUCG 57
chr-12.trna88-Ala-TGC     GGAU-AUGUAGCUCAAAUGGUAGAGCGCUCGCUUUGCAUGCGAGA--GGCACGGGGUUCG 57
chr-12.trna80-Ala-TGC     GGGG-AUGUAGCUCAAAUGGUAGAGCGCUCGCUUUGCAUGCGAGA--GGCACGGGGUUCG 57
chr-12.trna94-Ala-TGC     GGGG-AUGUAGCUCAAAUGGUAGAGGGCUCGCUUUGCAUGCGAGA--GGCACGGGGUUCG 57
chr-4.trna45-Ala-TGC      GGCG-AUGUAGCUCAAAUGGUAGAGCGCUCGCUUUGCAUGCGAGA--GGCACGGGGUUCG 57
chr-4.trna54-Ala-TGC      GGCG-AUGUAGCUCAAAUGGUAGAGCGCUCGCUUUGCAUGCGAGA--GGCACGGGGUUCG 57
chr-4.trna30-Ala-TGC      GGGG-AUAUAGCUCAAAUGGUAAAGCGCUCGCUUUGCAUGCGAGA--GGCACGGGGUUCG 57
chr-3.trna43-Ala-TGC      GGGG-AUGUAGCUCAAAUGGUAGAGCGCUCGCUUUGCAUGUGAGA--GGCACGGGGUUUG 57
chr-4.trna61-Ala-TGC      GGGG-AUGUAGCUCAAAUGGUAGAGCGCUCGCUUUGCAUGUGAGA--GGCACGGGGUUCG 57
chr-4.trna62-Ala-TGC      GGGG-AUGUAGCUCAAAUGGUAGAGCGCUCGCUUUGCAUGUGAGA--GGCACGGGGUUCG 57
chr-10.trna84-Ala-TGC     GGGG-AUGUAGCUCAAAUGGUAGAGCGCUCGCUUUGCAUGUGAGA--GGCACGGGGUUCG 57
chr-14.trna45-Ala-TGC     GGGG-AUGUAGCUUAAAUGGUAGAGCGCUCGCUUUGCAUGUGAGA--GGUACGGGGUUCG 57
chr-7.trna190-Ala-TGC     GGGG-AUGUUGCUCAAAUGGUAGAGCGCUUGCUUUGCAUGCGAGA--GGCACGGGGUUUG 57
chr-4.trna20-Ala-TGC      GGGG-AUGUAGCUCAAAUGGUAGAGCACUUGCUUUGCAUGCAAGA--AGCGCGGGGUUCG 57
chr-4.trna49-Ala-TGC      GGGG-AUGUAGCUCAAAUGGUAGAGCACUUGCUUUGCAUGCAAGA--AGCGCGGGGUUCG 57
chr-4.trna56-Ala-TGC      GGGG-AUGUAGCUCAAAUGGUAGAGCGCUCGCUUUGCAUGCAAGA--GGCACGGGGUUCA 57
chr-4.trna22-Ala-TGC      GGGG-AUGUAGCUCAAAUGGUAGAGCGCUCGCUUUGCAUUCCAGA--GGCACGGGGUUCG 57
chr-4.trna43-Ala-TGC      GGGG-AUGUAGCUCAAAUGGUAGAGCGCUCGCUUUGCAUUCCAGA--GGCACGGGGUUCG 57
chr-12.trna92-Ala-TGC     GGGG-AUGUAGCUCAAAUAGUAAAGCGCUCGCUUUGCAUGCGAGA--GGCACAGGGUUCG 57
chr-12.trna96-Ala-TGC     GGGG-AUGUAGCUCAAAUAGUAAAGCGCUCGCUUUGCAUGCGAGA--GGCACAGGGUUCG 57
chr-12.trna86-Ala-TGC     GGUG-AUGUAGCUCAAAUAGUAAAGCGCUCGCUUUGCAUGCGAGA--GGCACAGGGUUCG 57
chr-12.trna82-Ala-TGC     GGGG-AUGUAGCUCAAAUGGUAGAGCGCUCACUUUGCAUGCGAGA--GGCACAGGGUUCA 57
chr-12.trna250-Ala-TGC    AGGG-AUGUAGCUCAAAUGGUAGAGUGCUCGCUUUGCAUGCGAGA--GGCACGAGGUUCG 57
chr-13.trna6-Ala-TGC      GGGG-GUGUAGCUCAUAUGGUAGAGCGCUUGCUUUGCAUGCGAGA--GGUACGGGGUUUG 57
chr-16.trna70-Ala-TGC     GGGG-GUGUAGCUCAUAUGGUAGAGCGCUUGCUUUGCAUGCGAGA--GGUACGGGGUUUG 57
chr-4.trna51-Ala-TGC      GGGG-AUGUAGGUCAAAUGGUAGAGCGCUUGCUUUGCAUGCGAAA--GGCACGGGGUUUG 57
chr-2.trna42-Ala-TGC      GGGG-AUGUAGCUCAAAUGGUAGAGCGCUCGCUUUGCAUGCGAGA--GGCACAGGGUUUG 57
chr-4.trna24-Ala-TGC      GGGGUGUGUAGCUCAAAUGGUAGAGCGCUUGCUUUGCAUGCAAGA--GGCACGGGGUUCG 58
chr-16.trna103-Ala-TGC    GGGG-AUGUAGCUCAAAUGGUAAAGCGCUCUCUUUGCAUGCGAGA--GGCAUGGGGUUCU 57
chr-12.trna102-Ala-TGC    GGGG-AUGUAGCUCAAAUGGUAAAGCGCUCUCUUUGCAUGCGAGA--GGCAUGGGGUUCU 57
chr-13.trna89-Ala-TGC     GGGG-AUGUAGCU-AGAUGGUAGAGCGCUCGCUUUGCAUGCGAGA--GGUACGGGGAUCG 56
chr-13.trna85-Ala-TGC     GGGG-AUGUAGCU-AGAUGGUAGAGUGCUCGCUUUGCAUGCGAGA--GGUACGGGGAUCG 56
chr-13.trna83-Ala-TGC     GGGG-AUGUAGCU-AGAUGGUAGAGUGCUCGCUUUGCAUGCGAGA--GGUACGGGGAUCG 56
chr-13.trna88-Ala-TGC     GGGG-AUGUAGCU-AGAUGGUAGAGCGCUCACUUUGCAUGCGAGA--GGUACGGGGAUCG 56
chr-13.trna86-Ala-TGC     GGGG-AUGUAGCU-AGAUGGUAGAGCGCUCACUUUGCAUGCGAGA--GGUACGGGGAUCG 56
chr-13.trna84-Ala-TGC     GGGG-AUGUAGCU-AGAUGGUAGAGCGCUCACUUUGCAUGCGAGA--GGUACGGGGAUCG 56
chr-12.trna84-Ala-TGC     GGGG-AUGUAGCUCAAAUGGUAGAGGCUCGCUUUGCAUGCGAGA--GGCACGGGGUUCG 57
chr-14.trna49-Ala-TGC     AGGG-AUGUAGCUCAAAUGGUAGAGUGCUCGCCUUGCAUGCGAGAGGGGUACUAGGUUCA 59
chr-4.trna69-Ala-TGC      GGG--GUGUAGCUCAUAUGGUGGAGCGCUCGCUUUGCAUGCGAGA--GGCACAUGGUUUG 56
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                          ...))))))))))).).).
chr-6.trna108-Ala-TGC     AUCCCCUGCAUCU-C-UG 73
chr-14.trna47-Ala-TGC     AUCCCCCGCAUCU-C-CA 73
chr-4.trna34-Ala-TGC      AUCCCCCGCAUCU-C-CA 73
chr-4.trna60-Ala-TGC      AUCCCCCGCAUCU-C-CA 73
chr-4.trna58-Ala-TGC      AUCUCCCGCAUCU-C-CA 73
chr-4.trna32-Ala-TGC      AUCCCCCGCAUCU-C-UA 73
chr-2.trna1-Ala-TGC       AUCCCCCGCAUCU-C-CA 73
chr-2.trna181-Ala-TGC     AUCCCCCGCAUCU-C-CA 73
chr-4.trna26-Ala-TGC      AUCCCCCGCAUCU-C-CA 73
chr-4.trna28-Ala-TGC      AUCCCCCGCAUCU-C-CA 73
chr-4.trna36-Ala-TGC      AUCCCCCGCAUCU-C-CA 73
chr-4.trna41-Ala-TGC      AUCCCCCGCAUCU-C-CA 73
chr-4.trna47-Ala-TGC      AUCCCCCGCAUCU-C-CA 73
chr-4.trna53-Ala-TGC      AUCCCCCGCAUCU-C-CA 73
chr-14.trna60-Ala-TGC     AUCCCCCGCAUCU-C-CA 73
chr-4.trna118-Ala-TGC     AUCCCCCGCAUCU-C-CA 73
chr-4.trna143-Ala-TGC     AUCCCCCGCAUCU-C-CA 73
chr-1.trna165-Ala-TGC     AUCCCCCGCAUCU-C-CA 73
chr-6.trna60-Ala-TGC      AUCCCCCGCAUCU-C-CA 73
chr-12.trna174-Ala-TGC    AUCCCCCGCAUCU-C-CA 73
chr-12.trna172-Ala-TGC    AUCCCCCGCAUCU-C-CA 73
chr-7.trna93-Ala-TGC      AUCCCCCGCAUCU-C-CA 73
chr-12.trna98-Ala-TGC     AUCCCCCGCAUCU-C-CA 73
chr-8.trna9-Ala-TGC       AUCCCCCGCAUCU-C-CA 73
chr-8.trna23-Ala-TGC      AUCCCCCGCAUCU-C-CA 73
chr-12.trna90-Ala-TGC     AUCCCCCGCAUCU-C-CA 73
chr-15.trna68-Ala-TGC     AUCCCCCGCAUCU-C-CA 73
chr-15.trna69-Ala-TGC     AUCCCCCGCAUCU-C-CA 73
chr-8.trna11-Ala-TGC      AUCCCCUGCAUCU-C-CA 73
chr-4.trna38-Ala-TGC      AUCCCCCGUAUCU-C-CA 73
chr-4.trna116-Ala-TGC     AUCCCCAGCAUCU-C-CA 73
chr-12.trna88-Ala-TGC     AUCCCCCGCAUCU-C-CA 73
chr-12.trna80-Ala-TGC     AUCCCUCGUAUCU-C-UA 73
chr-12.trna94-Ala-TGC     AUCCCCCGCAUCU-C-CA 73
chr-4.trna45-Ala-TGC      AUCUCCCGCAUCU-C-CA 73
chr-4.trna54-Ala-TGC      AUCUCCCGCAUCU-C-CA 73
chr-4.trna30-Ala-TGC      AUCCCCCGUAUCU-C-CA 73
chr-3.trna43-Ala-TGC      AUCUCCCGCAUUU-C-CA 73
chr-4.trna61-Ala-TGC      AUCCCCCGCAUCU-C-CA 73
chr-4.trna62-Ala-TGC      AUCCCCCGCAUCU-C-CA 73
chr-10.trna84-Ala-TGC     AUCCCCCGCAUCU-C-CA 73
chr-14.trna45-Ala-TGC     AUCCCCUGCAUCU-C-UA 73
chr-7.trna190-Ala-TGC     AUCCCUCGCAUUU-C-CA 73
chr-4.trna20-Ala-TGC      AUCCCCCGCAUCU-C-CA 73
chr-4.trna49-Ala-TGC      AUCCCCCGCAUCU-C-CA 73
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chr-4.trna22-Ala-TGC      AUCCCCCGCAUCU-C-CG 73
chr-4.trna43-Ala-TGC      AUCCCCCGCAUCU-C-CG 73
chr-12.trna92-Ala-TGC     AUCCCCCGCAUCU-C-CA 73
chr-12.trna96-Ala-TGC     AUCCCCCGCAUCU-C-CA 73
chr-12.trna86-Ala-TGC     AUCCCCCGCAUCU-C-CA 73
chr-12.trna82-Ala-TGC     AUCCCCCGCAUCU-C-UA 73
chr-12.trna250-Ala-TGC    AUCCCUUGUAUCU-C-CA 73
chr-13.trna6-Ala-TGC      AUUCCUCGCACCU-C-CA 73
chr-16.trna70-Ala-TGC     AUUCCUCGCACCU-C-CA 73
chr-4.trna51-Ala-TGC      AUCCCCCGCAUCU-U-CA 73
chr-2.trna42-Ala-TGC      AUACGCUGUAUCU-C-CA 73
chr-4.trna24-Ala-TGC      AUCCCCCGCAUCU-C-CA 74
chr-16.trna103-Ala-TGC    AUCCCCCGCAUUU-U-CA 73
chr-12.trna102-Ala-TGC    AUCCCCCGCAUUU-U-CA 73
chr-13.trna89-Ala-TGC     AUACCCCGCAUCU-C-CA 72
chr-13.trna85-Ala-TGC     AUACCCCACAUCU-C-CA 72
chr-13.trna83-Ala-TGC     AUACCCCACAUCU-C-CA 72
chr-13.trna88-Ala-TGC     AUACCCCGCAUCU-C-CA 72
chr-13.trna86-Ala-TGC     AUACCCCGCAUCU-C-CA 72
chr-13.trna84-Ala-TGC     AUUCCCCGCAUCU-C-CA 72
chr-12.trna84-Ala-TGC     AUCCCCCGCAGCU-CGCU 74
chr-14.trna49-Ala-TGC     AUCCCCCGCAUCU-C-CA 75
chr-4.trna69-Ala-TGC      AUUCCCUGCACCUAGGCA 74
                          .........70.......
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