```
                                 (((((((..((((.........)))).(((((.......)))))).....(((((.......
chr-1.trna63-Arg-ACG     GGGCCUGUAGCUCAGAGGAUUAGAGCACAUGGCUACGAACUACGGUGUUGGGGGUUC--- 57
chr-7.trna19-Arg-ACG     GGGCCUGUAGCUCAGAGGAUUAGAGUACAUAGCUACGAACCAUGGUGUCGAGGGUUCAAA 60
chr-1.trna45-Arg-CCG     GUUCGCGUGGCCUAAUGGA-UAAGGCGCUCGCCUCCGGAGCGGGAGAUUGUGGGUUC--- 56
chr-12.trna8-Arg-CCG     GUUCGCGUGGCCUAAUGGA-UAAGGCGCUCGCCUCCGGAGCGGGAGAUUGUGGGUUC--- 56
chr-11.trna11-Arg-TCT    GCGCCCAUGGCCUAAUGGA-UAAGGCGUCUGACUUCUAAUCAGGCGAUUGUGGGUUC--- 56
chr-16.trna20-Arg-TCT    GCGCCCGUGGCCUAAUGGA-UAAGGCGUCUGACUUCUAAUCAGGCGAUUGUGGGUUC--- 56
chr-11.trna37-Arg-TCT    GCGCCCAUGGCCUAAUGGA-UAAGGCGUCUGACUUCUAAUCAGGCGAUUGUGGGUUC--- 56
chr-20.trna8-Arg-TCT     GCGCCCAUGGCCUAAUGGA-UAAGGCGUCUGACUUCUAAUCAGGCGAUUGUGGGUUC--- 56
chr-14.trna16-Arg-TCT    ACGCCCAUGGCCUAAUGGA-UAAGGCGUCUGACUUCUAAUCAGGCGAUUGUGGGUUC--- 56
chr-16.trna19-Arg-TCT    GCGCCCGUGGCCUAAUGGA-UGAGGCGUCUGACUUCUAAUCAGGCGAUUGUGGGUUC--- 56
chr-2.trna13-Arg-ACG     GACUCCGUGGCCCAAUGGA-UAAGGCGCUGGUCUACGGAACCAGAGAUUCUGGGUUC--- 56
chr-2.trna14-Arg-ACG     GACUCCGUGGCCCAAUGGA-UAAGGCGCUGGUCUACGGAACCAGAGAUUCUGGGUUC--- 56
chr-3.trna5-Arg-ACG      GACUCCGUGGCCCAAUGGA-UAAGGCGCUGGUCUACGGAACCAGAGAUUCUGGGUUC--- 56
chr-10.trna19-Arg-ACG    GACUCCGUGGCCCAAUGGA-UAAGGCGCUGGUCUACGGAACCAGAGAUUCUGGGUUC--- 56
chr-11.trna5-Arg-ACG     GACUCCGUGGCCCAAUGGA-UAAGGCGCUGGUCUACGGAACCAGAGAUUCUGGGUUC--- 56
chr-23.trna1-Arg-ACG     GACUCCAUGGCCCAAUGGA-UAAGGCGCUGGUCUACGGAACCAGAGAUUCUGGGUUC--- 56
chr-20.trna25-Arg-ACG    GACUCCGUGGCCCAAUGGA-UAAGGUCCUGGUCUACGAAACCAGAUAUUCUGGGUUC--- 56
chr-2.trna8-Arg-CCT      GCGCCUGUAGCUCAGUGGA-UAGAGCGCUGUUUCCUAAGCAGAAAGUCGUAGGUUC--- 56
chr-3.trna21-Arg-CCT     GCGCCUGUAGCUCAGUGGA-UAGAGCGCUGUUUCCUAAGCAGAAAGUCGUAGGUUC--- 56
chr-17.trna33-Arg-CCT    GCGCCUGUAGCUCAGUGGA-UAGAGCGCUGUUUCCUAAGCAGAAAGUCGUAGGUUC--- 56
chr-3.trna22-Arg-CCT     GCGCCUGUAGCUCAGUGGA-UAGAGCGCUGUUUCCUAAGCAGAAAGUCGUAGGUUC--- 56
chr-9.trna3-Arg-CCT      GCGCCUGUAGCUCAGUGGA-UAGAGCGCUGUUUCCUAAGCAGAAAGUCGUAGGUUC--- 56
chr-15.trna17-Arg-CCT    GCGCCUGUAGCUCAGUGGA-UAGAGCGCUGUUUCCUAAGCAGAAAGUCGUAGGUUC--- 56
chr-1.trna2-Arg-TCG      GACCGCAUAGCGCAGUGGAUUAGCGCGUUUGACUUCGGAUCAAAAGGUCGUGGGUUC--- 57
chr-13.trna6-Arg-TCG     GACCGCAUAGCGCAGUGGAUUAGCGCGUUUGACUUCGGAUCAAAAGGUCGUGGGUUC--- 57
chr-16.trna2-Arg-TCG     GAUCGCAUAGCGCAGUGGAUUAGCGCGUCUGACUUCGGAUCAGAAGGUCGUGGGUUC--- 57
chr-16.trna6-Arg-CCG     GAUCGCAUAGCGGAGUGGA-UAUCGCGUUAGACUCCGGAUCUAAAGGUCGUGGGUUC--- 56
chr-16.trna7-Arg-CCG     GAUCGCAUAGCGGAGUGGA-UAUCGCGUUAGACUCCGGAUCUAAAGGUCGUGGGUUC--- 56
chr-14.trna22-Arg-TCT    GUGUCCAUUGUCUAAUGGA-UAGGACAGAGGUCUUCUAAACCUUUGGU-AUGGGUUC--- 55
chr-17.trna52-Arg-TCT    GUGUCCGUUGUUUAAUGGA-UAGGACAGAGGUCUUCUAAACCUUUGGU-AUAGGUUC--- 55
chr-17.trna63-Arg-TCT    GCAUCCAUUGUCUAAUGGA-UAGGACAAAGGUCUUCUAAAUCUUUGGU-AUAUGUUC--- 55
chr-1.trna6-Arg-TCG      GCGUCCAUUAUCUAAUGGA-UAGGACGGAGGCCUUCGAAACCUUUAGU-AUAGGUUC--- 55
                         .........10........20........30........40........50.........

                                 ......))))))....)))))).
chr-1.trna63-Arg-ACG     --GAAUCCCUCC----UUGCCCA 74
chr-7.trna19-Arg-ACG     AUUAGCCACUUCAAAUAGGUUCA 83
chr-1.trna45-Arg-CCG     --GAGUCCCACC----GUGAACG 73
chr-12.trna8-Arg-CCG     --GAGUCCCACC----GUGAACG 73
chr-11.trna11-Arg-TCT    --GAGUCCCACU----GGGCGUG 73
chr-16.trna20-Arg-TCT    --GAGUCCCACC----GGGCGUG 73
chr-11.trna37-Arg-TCT    --GAGUCCCACU----GGGCGUG 73
chr-20.trna8-Arg-TCT     --GAGUCCCACU----GGGCGUG 73
chr-14.trna16-Arg-TCT    --GAGUCCCACU----GGGCGUG 73
chr-16.trna19-Arg-TCT    --GAGUCCCACC----GGGCGUG 73
chr-2.trna13-Arg-ACG     --GAUCCCCAGC----GGAGUCG 73
chr-2.trna14-Arg-ACG     --GAUCCCCAGC----GGAGUCG 73
chr-3.trna5-Arg-ACG      --GAUCCCCAGC----GGAGUCG 73
chr-10.trna19-Arg-ACG    --GAUCCCCAGC----GGAGUCG 73
chr-11.trna5-Arg-ACG     --GAUCCCCAGC----GGAGUCG 73
chr-23.trna1-Arg-ACG     --GAUCCCCAGU----GGAGUCG 73
chr-20.trna25-Arg-ACG    --GAUCCCCAGC----AGGGUCG 73
chr-2.trna8-Arg-CCT      --GACCCCUACC----UGGCGCG 73
chr-3.trna21-Arg-CCT     --GACCCCUACC----UGGCGCG 73
chr-17.trna33-Arg-CCT    --GACCCCUACC----UGGCGCG 73
chr-3.trna22-Arg-CCT     --GACCCCUACC----UGGCGCG 73
chr-9.trna3-Arg-CCT      --GACCCCUACC----UGGCGCG 73
chr-15.trna17-Arg-CCT    --GACCCCUACC----UGGCGCG 73
chr-1.trna2-Arg-TCG      --GACUCCCACU----GUGGUCG 74
chr-13.trna6-Arg-TCG     --GACUCCCACU----GUGGUCG 74
chr-16.trna2-Arg-TCG     --GACUCCCACU----GUGGUCG 74
chr-16.trna6-Arg-CCG     --GAAUCCCACU----GCGAUCG 73
chr-16.trna7-Arg-CCG     --GAAUCCCACU----GCGAUCG 73
chr-14.trna22-Arg-TCT    --AAAUCCUAUU----GGACACA 72
chr-17.trna52-Arg-TCT    --AAAUCCUAUU----GGACACA 72
chr-17.trna63-Arg-TCT    --AAAUCCUAUU----GGAUGCA 72
chr-1.trna6-Arg-TCG      --AAAUCCUAUU----GGACGCA 72
                         .........70........80..
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