```
                         (((((((..((((.........)))).(((((.......)))))).....(((((.......
chr-1.trna68-Arg-TCG     GACCGCAUAGCGCAGUGGAUUAGCGCGUUUGACUUCGGAUCAAAAGGUCGUGGGUUCGAC 60
chr-6.trna34-Arg-TCG     GACCGCAUAGCGCAGUGGAUUAGCGCGUUUGACUUCGGAUCAAAAGGUCGUGGGUUCGAC 60
chr-10.trna27-Arg-TCG    GACCGCAUAGCGCAGUGGAUUAGCGCGUUUGACUUCGGAUCAAAAGGUCGUGGGUUCGAC 60
chr-9.trna45-Arg-TCG     GACCGCAUAGCGCAGUGGAUUAGCGCGUUUGACUUCGGAUCAAAAGGUCGUGGGUUCGAC 60
chr-6.trna4-Arg-TCG      GACCGCAUAGCGCAGUGGAUUAGCGCGUUUGACUUCGGAUCAAAAGGUCGUGGGUUCGAC 60
chr-8.trna1-Arg-TCG      GACCGCAUAGCGCAGUGGAUUAGCGCGUUUGACUUCGGAUCAAAAGGUCGUGGGUUCGAC 60
chr-4.trna25-Arg-TCG     GACCGCAUAGCGCAGUGGAUUAGCGCGUCUGACUUCGGAUCAGAAGGUCGUGGGUUCGAC 60
chr-8.trna5-Arg-CCG      GAUCGCAUAGCGGAGUGGA-UAUCGCGUUAGACUCCGAAUCUAAAGGUCGUGGGUUCGAA 59
chr-7.trna8-Arg-CCG      GAUCGCGUGGCCUAAUGGA-UAAGGCGCUCGCCUCCGGAGCGGGAGAUUGUGGGUUCGAG 59
chr-6.trna23-Arg-CCG     GAUCGCGUGGCCUAAUGGA-UAAGGCGCUCGCCUCCGGAGCGGGAGAUUGUGGGUUCGAG 59
chr-5.trna51-Arg-CCG     GAUCGCGUGGCCUAAUGGA-UAAGGCGCUCGCCUCCGGAGCGGGAGAUUGUGGGUUCGAG 59
chr-8.trna27-Arg-TCT     GCGCUCGUGGCCUAAUGGA-UAAGGCGUCUGACUUCUAAUCAGACGAUUGUGGGUUCGAG 59
chr-17.trna11-Arg-TCT    GCGCUCGUGGCCUAAUGGA-UAAGGCGUCUGACUUCUAAUCAGACGAUUGUGGGUUCGAG 59
chr-2.trna44-Arg-TCT     GCGCCCAUGGCCUAAUGGA-UAAGGCGUCUGACUUCUAAUCAGGCGAUUGUGGGUUCGAG 59
chr-1.trna20-Arg-TCT     GCGCCCAUGGCCUAAUGGA-UAAGGCGCUUGACUUCUAAUCAAGCGAUUGUGGGUUCGAG 59
chr-3.trna50-Arg-TCT     GCGCCCAUGGCCUAAUGGA-UAAGGCGCUUGACUUCUAAUCAAGCGAUUGUGGGUUCGAG 59
chr-4.trna39-Arg-TCT     GCGCCCGUGGCCUAAUGGA-UAAGGCGUCUGACUUCUAAUCAGGCGACUGUGGGUUCGAG 59
chr-6.trna5-Arg-TCT      GCGCCCGUGGCCUAAUGGA-UAAGGCGUCUGACUUCUAAUCAGGCGACUGUGGGUUCGAG 59
chr-6.trna39-Arg-TCT     GCGCCCGUGGCCUAAUGGA-UAAGGCGUCUGACUUCUAAUCAGGCGACUGUGGGUUCGAG 59
chr-14.trna17-Arg-TCT    GUACCCGUGGCCUAAUGGA-UAAGGCGUCUGACUUCUAAUCAGGCGACUGUGGGUUCGAG 59
chr-9.trna38-Arg-TCT     GCGCCCGUGGCCUAAUGGA-UAAGGCGUCUGACUUCUAAUCAGGCGACUGUGGGUUCGAA 59
chr-3.trna26-Arg-ACG     GACUCCAUGGCCCAAUGGA-UAAGGCGCUGGUCUACGGAACCAGAGAUUCUGGGUUCGAU 59
chr-18.trna1-Arg-ACG     GACUCCAUGGCCCAAUGGA-UAAGGCGCUGGUCUACGGAACCAGAGAUUCUGGGUUCGAU 59
chr-9.trna42-Arg-ACG     GACUCCAUGGCCCAAUGGA-UAAGGCGCUGGUCUACGAAACCAGAGAUUCUGGGUUCGAU 59
chr-5.trna16-Arg-ACG     GACUCCAUGGCCCAAUGGA-UAAGGCGCUGGUCUACGGAACCAGAGAUUCUGGGUUCGAU 59
chr-8.trna19-Arg-ACG     GACUCCAUGGCCCAAUGGA-UAAGGCGCUGGUCUACGGAACCAGAGAUUCUGGGUUCGAU 59
chr-10.trna3-Arg-ACG     GACUCCAUGGCCCAAUGGA-UAAGGCGCUGGUCUACGGAACCAGAGAUUCUGGGUUCGAU 59
chr-4.trna13-Arg-ACG     GACUCCAUGGCCCAAUGGA-UAAGGCGCUGGUCUACGGAACCAGAGAUUCUGGGUUCGAU 59
chr-1.trna2-Arg-ACG      GACUCCAUGGCCCAAUGGA-UAAGGUGCUGGUCUACGGAACCAGAGAUUCUGGGUUCGAU 59
chr-12.trna28-Arg-CCT    GCGCCUGUAGCUCAGUGGA-UAGAGCGUCUGUUUCCUAAGCAGAAAGUCAUAGGUUCGAC 59
chr-15.trna21-Arg-CCT    GCGCCUGUAGCUCAGUGGA-UAGAGCGUCUGUUUCCUAAGCAGAAAGUCAUAGGUUCGAC 59
chr-2.trna12-Arg-CCT     GCGUCUGUAGCUCAGUGGA-UAGAGCGUCUGUUUCCUAAGCAGAAAGUCGUAGGUUCGAC 59
chr-3.trna5-Arg-CCT      GCGCCUGUAGCUCAGUGGA-UAGAGCGUCUGUUUCCUAAGCAGAAAGUCGUAGGUUCGAC 59
chr-4.trna38-Arg-CCT     GCGCCUGUAGCUCAGUGGA-UAGAGCGUCUGUUUCCUAAGCAGAAAGUCGUAGGUUCGAC 59
chr-6.trna20-Arg-CCT     GCGCCUGUAGCUCAGUGGA-UAGAGCGUCUGUUUCCUAAGCAGAAAGUCGUAGGUUCGAC 59
chr-14.trna5-Arg-CCT     GCGUCUGUAGCUCAGUGGA-UAGAGCGUCUGUUUCCUAAGCAGAAAGUCGUAGGUUCGAC 59
chr-9.trna37-Arg-CCT     GCGCCUGUAGCUCAGUGGA-UAGAGCGUCUGUUUCCUAAGCAGAAAGUCGUAGGUUCGAC 59
chr-18.trna6-Arg-CCT     GCGCCUGUAGCUCAGUGGA-UAGAGCGUCUGUUUCCUAAGCAGAAGGUCAUAGGUUCGAC 59
chr-6.trna30-Arg-CCT     GCGCCUGUAGCUCAGUGGA-UAGAGCGUCUGUUUCCUAAGCAGAAGGUCAUAGGUUCGAC 59
chr-14.trna29-Arg-CCG    GCUUCCAUGGCGCAAUGG--UAGCGCGUCUGUCUCCGGUUCAGAAGGUUGCAUGUUCUAU 58
chr-17.trna6-Arg-ACG     GGGCCUGUAGCUCAGAGGAUUAGAGCACGUGGCUACGAACCAUGGUGUCAAGGCUUCGAA 60
                         .........10........20........30........40........50.........
                         .))))))))))))).
chr-1.trna68-Arg-TCG     UCCCACUGUGGUCG 74
chr-6.trna34-Arg-TCG     UCCCACUGUGGUCG 74
chr-10.trna27-Arg-TCG    UCCCACUGUGGUCG 74
chr-9.trna45-Arg-TCG     UCCCACUGUGGUCG 74
chr-6.trna4-Arg-TCG      UCCCACUGUGGUCG 74
chr-8.trna1-Arg-TCG      UCCCACUGUGGUCG 74
chr-4.trna25-Arg-TCG     UCCCACUGUGGUCG 74
chr-8.trna5-Arg-CCG      UCCCACUGCGAUCG 73
chr-7.trna8-Arg-CCG      UCCCAUCGCGAUCG 73
chr-6.trna23-Arg-CCG     UCCCACCGUGAUCG 73
chr-5.trna51-Arg-CCG     UCCCAUCGCGAUCG 73
chr-8.trna27-Arg-TCT     UCCCACCGAGCGUG 73
chr-17.trna11-Arg-TCT    UCCCACCGAGCGUG 73
chr-2.trna44-Arg-TCT     UCCCACUGGGCGUG 73
chr-1.trna20-Arg-TCT     UCCCACUGGGCGUG 73
chr-3.trna50-Arg-TCT     UCCCACUGGGCGUG 73
chr-4.trna39-Arg-TCT     UCCCACCGGGCGUG 73
chr-6.trna5-Arg-TCT      UCCCACCGGGCGUG 73
chr-6.trna39-Arg-TCT     UCCCACCGGGCGUG 73
chr-14.trna17-Arg-TCT    UCCCACCGGGUAUG 73
chr-9.trna38-Arg-TCT     UCCCACCGGGCGUG 73
chr-3.trna26-Arg-ACG     CCCCAGUGGAGUCG 73
chr-18.trna1-Arg-ACG     CCCCAGUGGAGUCG 73
chr-9.trna42-Arg-ACG     CCCCAGUGGAGUCG 73
chr-5.trna16-Arg-ACG     CCCCAGUGGAGUCG 73
chr-8.trna19-Arg-ACG     CCCCAGUGGAGUCG 73
chr-10.trna3-Arg-ACG     CCCCAGUGGAGUCG 73
chr-4.trna13-Arg-ACG     CCCCAGCGGAGUCG 73
chr-1.trna2-Arg-ACG      CCCCAGUGGAGUCG 73
chr-12.trna28-Arg-CCT    CCCUAUCUGGCGCG 73
chr-15.trna21-Arg-CCT    CCCUAUCUGGCGCG 73
chr-2.trna12-Arg-CCT     CCCUACCUGACGCG 73
chr-3.trna5-Arg-CCT      CCCUACCUGGCGCG 73
chr-4.trna38-Arg-CCT     CCCUACCUGGCGCG 73
chr-6.trna20-Arg-CCT     CCCUACCUGGCGCG 73
chr-14.trna5-Arg-CCT     CCCUACCUGACGCG 73
chr-9.trna37-Arg-CCT     CCCUACCUGGCGCG 73
chr-18.trna6-Arg-CCT     CCCUAUCUGGCGCG 73
chr-6.trna30-Arg-CCT     CCCUAUCUGGCGCG 73
chr-14.trna29-Arg-CCG    UCACGUCGGGUUCA 72
chr-17.trna6-Arg-ACG     UCCCUCCUCGCCCA 74
                         .........70...
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