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                         (((((((..((((.........)))).(((((.....).))))).....(((((.......
chr-2.trna16-Arg-TCT     GCGCCCGUGGCCUAAUGGA-UAAGGCGUCUGACUUCUAAUCAGGCGAUUGUGGGUUCGAG 59
chr-6.trna90-Arg-TCT     GCGCCCGUGGCCUAAUGGA-UAAGGCGUCUGACUUCUAAUCAGGCGAUUGUGGGUUCGAG 59
chr-11.trna42-Arg-TCT    GCGCCCGUGGCCUAAUGGA-UAAGGCGUCUGACUUCUAAUCAGGCGAUUGUGGGUUCGAG 59
chr-11.trna41-Arg-TCT    GCGCCCGUGGCCUAAUGGA-UAAGGCGUCUGACUUCUAAUCAGGCGAUUGUGGGUUCGAG 59
chr-11.trna40-Arg-TCT    GCGCCCGUGGCCUAAUGGA-UAAGGCGUCUGACUUCUAAUCAGGCGAUUGUGGGUUCGAG 59
chr-8.trna4-Arg-TCT      GCGCCCGUGGCCUAAUGGA-UAAGGCGUCUGACUUCUAAUCAGGCGAUUGUGGGUUCGAG 59
chr-10.trna42-Arg-TCT    GCGCCCGUGGCCUAAUGGA-UAAGGCGUCUGACUUCUAAUCAGGCGAUUGUGGGUUCGAG 59
chr-5.trna30-Arg-TCT     GCGCCUGUGGCCUAAUGGA-UAAGGCGUUUGACUUCUAAUCAAACGAUUGUGGGUUCGAG 59
chr-6.trna10-Arg-TCT     GCGCCUGUGGCCUAAUGGA-UAAGGCGUCUGACUUCUAAUCAGACGAUUGUGGGUUCGAG 59
chr-11.trna59-Arg-TCT    GCGCCCGUGGCCUAAUGGA-UAAGGUGUCUGACUUCUAAUCAGGCGAUUGUGGGUUCGAG 59
chr-11.trna29-Arg-CCG    GGUCGCGUGGCCUAAUGGA-UAAGGCGCUCGCCUCCGGAGCGGGAGAUUGUGGGUUCGAG 59
chr-9.trna39-Arg-CCG     GAUCGCGUGGCCUAAUGGA-UAAGGCGCUCGCCUCCGGAGCGGGAGAUUGUGGGUUCGAG 59
chr-1.trna96-Arg-CCG     GAUCGCGUGGCCUAAUGGA-UAAGGCGCUCGCCUCCGGAGCGGGAGAUUGUGGGUUCGAG 59
chr-8.trna58-Arg-CCG     GAUCGCGUGGCCUAAUGGA-UAAGGCGCUCGCCUCCGGAGCGGGAGAUUGUGGGUUCGAG 59
chr-9.trna11-Arg-CCG     GAUCGCGUGGCCUAAUGGA-UAAGGCGCUCGCCUCCGGAGCGGGAGAUUGUGGGUUCGAG 59
chr-10.trna3-Arg-ACG     GACUCUGUGGCCCAAUGGA-UAAGGCGCUGGUCUACGGAACCAGAGAUUCUGGGUUCGAU 59
chr-9.trna14-Arg-ACG     GACUCCAUGGCCCAAUGGA-UAAGGCGCUGGUCUACGAAACCAGAGAUUCUGGGUUCGAU 59
chr-7.trna8-Arg-ACG      GACUCUGUGGCCCAAUGGA-UAAGGCGCUGGUCUACGGAACCAGAGAUUCUGGGUUCGAU 59
chr-9.trna3-Arg-ACG      GACUCCAUGGCCCAAUGGA-UAAGGCGCUGGUCUACGGAACCAGAGAUUCUGGGUUCGAU 59
chr-5.trna48-Arg-ACG     GACUCCAUGGCCCAAUGGA-UAAGGCGCUGGUCUACGGAACCAGAGAUUCUGGGUUCGAU 59
chr-9.trna35-Arg-ACG     GACUCCAUGGCCCAAUGGA-UAAGGCGCUGGUCUACGGAACCAGAGAUUCUGGGUUCGAU 59
chr-7.trna40-Arg-ACG     GACUCCAUGGCCCAAUGGA-UAAGGCGCUGGUCUACGGAACCAGAGAUUCUGGGUUCGAU 59
chr-6.trna60-Arg-ACG     GACUCCAUGGCCCAAUGGA-UAAGGCGCUGGUCUACGGAACCAGAGAUUCUGGGUUCGAU 59
chr-6.trna61-Arg-ACG     GACUCCAUGGCCCAAUGGA-UAAGGUGCUGGUCUACGGAACCAGAGAUUCUGGGUUCGAU 59
chr-4.trna53-Arg-CCT     GCGCCUGUAGCUCAGUGGA-UAGAGCGUCUGUUUCCUAAGCAGAAAGUCGUAGGUUCGAC 59
chr-4.trna60-Arg-CCT     GCGCCUGUAGCUCAGUGGA-UAGAGCGUCUGUUUCCUAAGCAGAAAGUCGUAGGUUCGAC 59
chr-5.trna4-Arg-CCT      GCGCCUGUAGCUCAGUGGA-UAGAGCGUCUGUUUCCUAAGCAGAAAGUCGUAGGUUCGAC 59
chr-5.trna5-Arg-CCT      GCGCCUGUAGCUCAGUGGA-UAGAGCGUCUGUUUCCUAAGCAGAAAGUCGUAGGUUCGAC 59
chr-10.trna22-Arg-CCT    GCGCCUGUAGCUCAGUGGA-UAGAGCGUCUGUUUCCUAAGCAGAAAGUCGUAGGUUCGAC 59
chr-6.trna55-Arg-CCT     GCGCCUGUAGCUCAGUGGA-UAGAGCGUCUGUUUCCUAAGCAGAAAGUCGUAGGUUCGAC 59
chr-6.trna66-Arg-CCT     GCGCCUGUAGCUCAGUGGA-UAGAGCGUCUGUUUCCUAAGCAGAAAGUCGUAGGUUCGAC 59
chr-9.trna12-Arg-CCT     GCGCCUGUAGCUCAGUGGA-UAGAGCGUCUGUUUCCUAAGCAGAAAGUCGUAGGUUCGAC 59
chr-6.trna101-Arg-CCT    GCGCCUGUAGCUCAGUGGA-UAGAGCGUCUGUUUCCUAAGCAGAAAGUCGUAGGUUCGAC 59
chr-7.trna53-Arg-CCT     GCGCCUGUAGCUCAGUGGA-UAGAGCGUCUGUUUCCUAAGCAGAAAGUCGUAGGUUCGAC 59
chr-7.trna38-Arg-CCG     GGUCGCAUAGCGGAGUGGA-UAUCGCGUUAGACUCCGGAUCUAAAGGUCGUGGGUUCGAA 59
chr-10.trna8-Arg-CCG     GAUCGCAUAGCGGAGUGGA-UAUCGCAUUAGACUCCGGAUCUAAAGGUCGUGGGUUCGAA 59
chr-2.trna53-Arg-TCG     GACCGCAUAGCGCAGUGGAUUAGCGCGUCUGACUUCGGAUCAGAAGGUCGUGGGUUCGAC 60
chr-11.trna11-Arg-TCG    GACCGCAUAGCGCAGUGGAUUAGCGCGUCUGACUUCGGAUCAGAAGGUCGUGGGUUCGAC 60
chr-8.trna55-Arg-TCG     GACCGCAUAGCGCAGUGGAUUAGCGCGUCUGACUUCGGAUCAGAAGGUCGUGGGUUCGAC 60
chr-11.trna26-Arg-TCG    GACCGCAUAGCGCAGUGGAUUAGCGCGUCUGACUUCGGAUCAGAAGGUCGUGGGUUCGAC 60
chr-6.trna21-Arg-TCG     GACCGCAUAGCGCAGUGGAUUAGCGCGUCUGACUUCGGAUCAGAAGGUCGUGGGUUCGAC 60
chr-6.trna22-Arg-TCG     GACCGCAUAGCGCAGUGGAUUAGCGCGUCUGACUUCGGAUCAGAAGGUCGUGGGUUCGAC 60
chr-8.trna1-Arg-TCG      GACUGCAUAGCGCAGUGGAUUAGCGCGUUUGACUUCGGAUCAAAAGGUCGUGGGUUCGAC 60
                         .........10........20........30........40........50.........
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                         .)))))))))))).
chr-2.trna16-Arg-TCT     UCCCACCGGGCGUG 73
chr-6.trna90-Arg-TCT     UCCCACCGGGCGUG 73
chr-11.trna42-Arg-TCT    UCCCACCGGGCGUG 73
chr-11.trna41-Arg-TCT    UCCCACCGGGCGUG 73
chr-11.trna40-Arg-TCT    UCCCACCGGGCGUG 73
chr-8.trna4-Arg-TCT      UCCCACCGGGCGUG 73
chr-10.trna42-Arg-TCT    UCCCACCGGGCGUG 73
chr-5.trna30-Arg-TCT     UCCCACCAGGCGUG 73
chr-6.trna10-Arg-TCT     UCCCACUAGGCGUG 73
chr-11.trna59-Arg-TCT    UCCCACCGGGCGUG 73
chr-11.trna29-Arg-CCG    UCCCACCGCGAUCG 73
chr-9.trna39-Arg-CCG     UCCCAUCGCGAUCG 73
chr-1.trna96-Arg-CCG     UCCCAUCGCGAUCG 73
chr-8.trna58-Arg-CCG     UCCCAUCGCGAUCG 73
chr-9.trna11-Arg-CCG     UCCCAUCGCGAUCG 73
chr-10.trna3-Arg-ACG     CCCCAGCAGAGUCG 73
chr-9.trna14-Arg-ACG     CCCCAGUGGAGUCG 73
chr-7.trna8-Arg-ACG      CCCCAGCAGAGUCG 73
chr-9.trna3-Arg-ACG      CCCCAGUGGAGUCG 73
chr-5.trna48-Arg-ACG     CCCCAGUGGAGUCG 73
chr-9.trna35-Arg-ACG     CCCCAGUGGAGUCG 73
chr-7.trna40-Arg-ACG     CCCCAGUGGAGUCG 73
chr-6.trna60-Arg-ACG     CCCCAGUGGAGUCG 73
chr-6.trna61-Arg-ACG     CCCCAGUGGAGUCG 73
chr-4.trna53-Arg-CCT     CCCUACCUGGCGCG 73
chr-4.trna60-Arg-CCT     CCCUACCUGGCGCG 73
chr-5.trna4-Arg-CCT      CCCUACCUGGCGCG 73
chr-5.trna5-Arg-CCT      CCCUACCUGGCGCG 73
chr-10.trna22-Arg-CCT    CCCUACCUGGCGCG 73
chr-6.trna55-Arg-CCT     CCCUACCUGGCGCG 73
chr-6.trna66-Arg-CCT     CCCUACCUGGCGCG 73
chr-9.trna12-Arg-CCT     CCCUACCUGGCGCG 73
chr-6.trna101-Arg-CCT    CCCUACCUGGCGCG 73
chr-7.trna53-Arg-CCT     CCCUACCUGGCGCG 73
chr-7.trna38-Arg-CCG     UCCCACUGCGAUCG 73
chr-10.trna8-Arg-CCG     UCCCACUGCGAUCG 73
chr-2.trna53-Arg-TCG     UCCCACUGUGGUCG 74
chr-11.trna11-Arg-TCG    UCCCACUGUGGUCG 74
chr-8.trna55-Arg-TCG     UCCCACUGUGGUCG 74
chr-11.trna26-Arg-TCG    UCCCACUGUGGUCG 74
chr-6.trna21-Arg-TCG     UCCCACUGUGGUCG 74
chr-6.trna22-Arg-TCG     UCCCACUGUGGUCG 74
chr-8.trna1-Arg-TCG      UCCCACUGUGGUCG 74
                         .........70...
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