```
                                (..(((.(((..((.......((.......)))).(((((.......)))))).....(((
chr-5.trna537-iMet-CAT     GC-UCA----UGGC-------GCAGCGGAAGCGUGGUGGGGCCCAUAACCCACAGGUCCCA 48
chr-5.trna538-iMet-CAT     GC-UCA----UGGC-------GCAGCGGAAGCGUGGUGGGGCCCAUAACCCACAGGUCCCA 48
chr-7.trna106-iMet-CAT     G----A----CAGC-------GCAGCGGAAGCGUGGUGGGGCCCAUAACCCACAGGUCCCA 45
chr-7.trna613-iMet-CAT     GCAUCA-CUCUAAU-------GCAGCGGAAGCAUGGUGGGGCCCAUAACCCAUAGGUCCCA 52
chr-13.trna76-iMet-CAT     A--UCA-AAGUGGC-------GCAGCGGAAGUGUGGUGGGGCCCAUAACCCACAGGUCCCA 50
chr-7.trna586-iMet-CAT     A--UCA-GAGUGGC-------GCAGCGGAAGCCUGGUGGGGCCCAUAACCCACAGGUCCCA 50
chr-8.trna189-iMet-CAT     A--UCA-GAGUGGC-------GCAGCGGAAGCGUGGUGAGCCCAUAACCCACAGGUCUCA 50
chr-12.trna37-iMet-CAT     A--UCA-GAGUGGC-------GCAGCGGAAGCGUGGUGGGGCCCAUAACCCACAGGUCCCA 50
chr-12.trna273-iMet-CAT    A--UCA-GAGUGGC-------GUAGCGGAAGCGUGGUGGGGCCCAUAACCCACAGGUCCCA 50
chr-11.trna439-iMet-CAT    A--UCA-GAGUGGC-------GCAGCGGAAGCGUGGUGGGGCCCAUAACCCACAGGUCCCA 50
chr-12.trna36-iMet-CAT     A--UCA-GAGUGGC-------GCAGCGGAAGCGUGGUGGGGCCCAUAACCCACAGGUCCCA 50
chr-1.trna5-iMet-CAT       A--UCA-GAGUGGC-------GCAGCGGAAGCGUGGUGGGGCCCAUAACCCACAGGUCCCA 50
chr-1.trna537-iMet-CAT     A--UCA-GAGUGGC-------GCAGCGGAAGCGUGGUGGGGCCCAUAACCCACAGGUCCCA 50
chr-12.trna229-iMet-CAT    A--UCA-GAGUGGC-------GCAGCGGAAGCGUGGUGGGGCCCAUAACCCACAGGUCCCA 50
chr-12.trna20-iMet-CAT     A--UCA-GAGUGGC-------GCAGCGGAAGCGUGGUGGGGCCCAUAACCCACAGGUCCCA 50
chr-12.trna19-iMet-CAT     A--UCA-GAGUGGC-------GCAGCGGAAGCGUGGUGGGGCCCAUAACCCACAGGUCCCA 50
chr-2.trna587-iMet-CAT     A--UCA-GAGUGGC-------GCAGCGGAAGCGUGGUGGGGCCCAUAACCCACAGGUCCCA 50
chr-2.trna588-iMet-CAT     A--UCA-GAGUGGC-------GCAGCGGAAGCGUGGUGGGGCCCAUAACCCACAGGUCCCA 50
chr-12.trna549-iMet-CAT    A--UCA-GAGUGGC-------GCAGCGGAAGCGUGGUGGGGCCCAUAACCCACAGGUCCCA 50
chr-3.trna479-iMet-CAT     A--UCA-GAGUGGC-------GCAGCGGAAGCGUGGUGGGGCCCAUAACCCACAGGUCCCA 50
chr-4.trna283-iMet-CAT     A--UCA-GAGUGGC-------GCAGCGGAAGCGUGGUGGGGCCCAUAACCCACAGGUCCCA 50
chr-4.trna516-iMet-CAT     A--UCA-GAGUGGC-------GCAGCGGAAGCGUGGUGGGGCCCAUAACCCACAGGUCCCA 50
chr-5.trna4-iMet-CAT       A--UCA-GAGUGGC-------GCAGCGGAAGCGUGGUGGGGCCCAUAACCCACAGGUCCCA 50
chr-11.trna244-iMet-CAT    A--UCA-GAGUGGC-------GCAGCGGAAGCGUGGUGGGGCCCAUAACCCACAGGUCCCA 50
chr-11.trna217-iMet-CAT    A--UCA-GAGUGGC-------GCAGCGGAAGCGUGGUGGGGCCCAUAACCCACAGGUCCCA 50
chr-11.trna12-iMet-CAT     A--UCA-GAGUGGC-------GCAGCGGAAGCGUGGUGGGGCCCAUAACCCACAGGUCCCA 50
chr-11.trna11-iMet-CAT     A--UCA-GAGUGGC-------GCAGCGGAAGCGUGGUGGGGCCCAUAACCCACAGGUCCCA 50
chr-5.trna675-iMet-CAT     A--UCA-GAGUGGC-------GCAGCGGAAGCGUGGUGGGGCCCAUAACCCACAGGUCCCA 50
chr-8.trna292-iMet-CAT     A--UCA-GAGUGGC-------GCAGCGGAAGCGUGGUGGGGCCCAUAACCCACAGGUCCCA 50
chr-8.trna229-iMet-CAT     A--UCA-GAGUGGC-------GCAGCGGAAGCGUGGUGGGGCCCAUAACCCACAGGUCCCA 50
chr-5.trna686-iMet-CAT     A--UCA-GAGUGGC-------GCAGCGGAAGCGUGGUGGGGCCCAUAACCCACAGGUCCCA 50
chr-8.trna150-iMet-CAT     A--UCA-GAGUGGC-------GCAGCGGAAGCGUGGUGGGGCCCAUAACCCACAGGUCCCA 50
chr-7.trna648-iMet-CAT     A--UCA-GAGUGGC-------GCAGCGGAAGCGUGGUGGGGCCCAUAACCCACAGGUCCCA 50
chr-6.trna11-iMet-CAT      A--UCA-GAGUGGC-------GCAGCGGAAGCGUGGUGGGGCCCAUAACCCACAGGUCCCA 50
chr-6.trna14-iMet-CAT      A--UCA-GAGUGGC-------GCAGCGGAAGCGUGGUGGGGCCCAUAACCCACAGGUCCCA 50
chr-5.trna3-iMet-CAT       A--UCA-GAGUGGC-------GCAGUGGAAGCGUGGUGGGGCCCAUAACCCACAGGUCCCA 50
chr-4.trna293-iMet-CAT     A--UCA-GAGUGGC-------GCAGCGGAAGCGUGGUGGGGCCCAUAACCCACAUGUCCCA 50
chr-1.trna4-iMet-CAT       A--UCA-GAGUGGC-------GCAGCGGAAGCGUGGUGGGGCCCAUAGCCCACAGGUCCCA 50
chr-3.trna478-iMet-CAT     A--UCA-GAGUGGC-------GCAGCGGAAGCGUGGUGGGGCCCAUAACCCAUAGGUCCCA 50
chr-6.trna29-iMet-CAT      A--UCA-GAGUGGC-------GCAGCGGAAGCGUGGUGAGCCCAUAACCCACAGGUCCCA 50
chr-12.trna18-iMet-CAT     A--UCA-GAGUGGC-------GCAGCGGAAGCGUGGUGGGGCCCAUAACCCACAGGUCCUA 50
chr-6.trna777-iMet-CAT     A--UCA-GAGUGGC-------GCAGCGGUAGCGUGGUGGGGCCCAUAACCCACAGGUCCUA 50
chr-2.trna49-iMet-CAT      A--UCA-GAGUGGC-------GCAGCGGAAGCGGGGUGGGGCCCAUAACCCACAGGUCCCA 50
chr-1.trna535-iMet-CAT     A--UCA-GAGUGGC-------GCAGCGGAAGCGUGGUGGGGCCCAUAACCCACAGGUCCCA 50
chr-6.trna13-iMet-CAT      A--UCA-GAGUGGC-------GCAGCGGAAGCGUGGUGGGGCCCAUAACCGACAGGUCCCA 50
chr-14.trna55-iMet-CAT     A--UCA-GAGUGGC-------GCAGCCGAAGCGUGGUGGGGCCCAUAACCCACAGGUCCCA 50
chr-6.trna12-iMet-CAT      A--UCA-GAGUGGC-------GCAGCGGAAGCGUGGUGGGGCCCAUAACCCACAGGUCCUA 50
chr-2.trna586-iMet-CAT     A--UCA-GAGUGGC-------GCAGCGGAAGCGUGGUGGGGCCCAUAAUCCACAGGUCCCA 50
chr-6.trna16-iMet-CAT      A--UUA-GAGUGGC-------GCAGCGGAAGCGUGGUGGGGCCCAUAACCCACAGGUCCCA 50
chr-1.trna534-iMet-CAT     A--UCA-GAGUGGC-------GCAGCGGAAGCGUGGUGGGGCCCAUAACCCACAGGUCCCA 50
chr-5.trna685-iMet-CAT     A--UCA-GAGUGGC-------GCAGCGGAAGCGUGGUGGGGCCCAUAACCCACAAGUCCCU 50
chr-7.trna598-iMet-CAT     A--UCA-GAGUGGC-------GCAGCGGAAGUGUGGUGGGGCCCAUAACCCAUAGGUCCCA 50
chr-2.trna6-iMet-CAT       A--UCA-GAGUGGC-------GCAGCGGAAGCGUGGUGGGGCCCAUAACCCACACGUACGA 50
chr-12.trna17-iMet-CAT     A--UCA-GAGUGCC-------GCAGUGGAAGCAUGGUGGGGCCCAUAACCCACAGAUCCCA 50
chr-12.trna14-iMet-CAT     A--UCA-GAGUGCC-------GCAGUGGAAGCGUGGUGGGGCCCAUAACCCACAGGUCCCA 50
chr-12.trna16-iMet-CAT     A--UCA-GAGUGCC-------ACAGUGGAAGCGUGGUGGGGCCCAUAACCCACAGGUCCCA 50
chr-12.trna15-iMet-CAT     A--UCA-GAGUGCC-------GCAGUGGAAGCGUGGUGGGGCCCAUAACCCACAGGUCCCA 50
chr-2.trna5-iMet-CAT       A--UCA-UAGUGGC-------GCAGUGGAAGCGUGGUGGGGCCCAUAACCCACAGGUCACA 50
chr-11.trna333-iMet-CAT    A--UCA-AAGUGGC-------GCAGCGGAAGCAUGGUGGGGCCCAUAACCCACAGGUCCCA 50
chr-1.trna6-iMet-CAT       A--UCA-GAGUGGC-------GCAGCGGAAGCGUGGUGGGGCCCAUAACCCACAGGUCCUA 50
chr-1.trna536-iMet-CAT     A--UCA-GAGUGGU-------GCAGAGGAAGCGUGGUGGGGCCCAUAACCCACA-GCCCCA 49
chr-6.trna15-iMet-CAT      A--UCA-GAGUGGC-------GCAGGGGAAGCGUGGUGGGGCCCAUAACCCAAAGGUCCCA 50
chr-9.trna157-iMet-CAT     G--CCA-AAA-GGC-------GCAGCGGAAGCGUGGUGGGGCCCAUAACCCACAGGUCCCA 49
chr-6.trna477-iMet-CAT     GUCAAAGGAAUGAUGAAGCGCGCAGCGGAAACAUGGUGGGGCCCAUAACCCACAGGUCCCA 60
chr-6.trna489-iMet-CAT     GUCAAAGGAAUGAUGAAGCGCGCAGCGGAAACAUGGUGGGGCCCAUAACCCAUAGGUCCCA 60
                           .........10........20........30........40........50.........
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                           ((.......))))))))))).....
chr-5.trna537-iMet-CAT     GGAUCGAAACCUGGCUCUGAUACCA 73
chr-5.trna538-iMet-CAT     GGAUCGAAACCUGGCUCUGAUACCA 73
chr-7.trna106-iMet-CAT     GGAUCGAAACCUGGCUCUGAUACCA 70
chr-7.trna613-iMet-CAT     GGAUCGAAACCUGGCUCUGAUACCA 77
chr-13.trna76-iMet-CAT     GGAUCG-AACCUGGCUCUAAU---A 71
chr-7.trna586-iMet-CAT     AGAUCGAAACCUGGCUCUGAU---A 72
chr-8.trna189-iMet-CAT     GGAUCGAAACCUGGCUCUGAU---A 72
chr-12.trna37-iMet-CAT     AGAUCGAAACUUGGCUCUAAU---A 72
chr-12.trna273-iMet-CAT    GGAUCGAAACCUGGCUCUGAU---A 72
chr-11.trna439-iMet-CAT    AGAUCGAAACUUGGCUCUGAU---A 72
chr-12.trna36-iMet-CAT     AGAUCGAAACUUGGCUCUGAU---A 72
chr-1.trna5-iMet-CAT       GGAUCGAAACCUGGCUCUGAU---A 72
chr-1.trna537-iMet-CAT     GGAUCGAAACCUGGCUCUGAU---A 72
chr-12.trna229-iMet-CAT    GGAUCGAAACCUGGCUCUGAU---A 72
chr-12.trna20-iMet-CAT     GGAUCGAAACCUGGCUCUGAU---A 72
chr-12.trna19-iMet-CAT     GGAUCGAAACCUGGCUCUGAU---A 72
chr-2.trna587-iMet-CAT     GGAUCGAAACCUGGCUCUGAU---A 72
chr-2.trna588-iMet-CAT     GGAUCGAAACCUGGCUCUGAU---A 72
chr-12.trna549-iMet-CAT    GGAUCGAAACCUGGCUCUGAU---A 72
chr-3.trna479-iMet-CAT     GGAUCGAAACCUGGCUCUGAU---A 72
chr-4.trna283-iMet-CAT     GGAUCGAAACCUGGCUCUGAU---A 72
chr-4.trna516-iMet-CAT     GGAUCGAAACCUGGCUCUGAU---A 72
chr-5.trna4-iMet-CAT       GGAUCGAAACCUGGCUCUGAU---A 72
chr-11.trna244-iMet-CAT    GGAUCGAAACCUGGCUCUGAU---A 72
chr-11.trna217-iMet-CAT    GGAUCGAAACCUGGCUCUGAU---A 72
chr-11.trna12-iMet-CAT     GGAUCGAAACCUGGCUCUGAU---A 72
chr-11.trna11-iMet-CAT     GGAUCGAAACCUGGCUCUGAU---A 72
chr-5.trna675-iMet-CAT     GGAUCGAAACCUGGCUCUGAU---A 72
chr-8.trna292-iMet-CAT     GGAUCGAAACCUGGCUCUGAU---A 72
chr-8.trna229-iMet-CAT     GGAUCGAAACCUGGCUCUGAU---A 72
chr-5.trna686-iMet-CAT     GGAUCGAAACCUGGCUCUGAU---A 72
chr-8.trna150-iMet-CAT     GGAUCGAAACCUGGCUCUGAU---A 72
chr-7.trna648-iMet-CAT     GGAUCGAAACCUGGCUCUGAU---A 72
chr-6.trna11-iMet-CAT      GGAUCGAAACCUGGCUCUGAU---A 72
chr-6.trna14-iMet-CAT      GGAUCGAAACCUGGCUCUGAU---A 72
chr-5.trna3-iMet-CAT       GGAUCGAAACCUGGCUCUGAU---A 72
chr-4.trna293-iMet-CAT     GGAUCGAAACCUGGCUCUGAU---A 72
chr-1.trna4-iMet-CAT       GGAUCGAAACCUGGCUCUGAU---A 72
chr-3.trna478-iMet-CAT     GGAUCGAAACCUGGCUCUGAU---A 72
chr-6.trna29-iMet-CAT      GGAUCGAAACCUGGCUCUGAU---A 72
chr-12.trna18-iMet-CAT     GGAUCGAAACCUGGCUCUGAU---A 72
chr-6.trna777-iMet-CAT     GGAUCGAAACCUGGCUCUGAU---A 72
chr-2.trna49-iMet-CAT      GGAUCGAAACCUGGCUCUGAU---A 72
chr-1.trna535-iMet-CAT     GGAUCAAAACCUGGCUCUGAU---A 72
chr-6.trna13-iMet-CAT      GGAUCAAAACCUGGCUCUGAU---A 72
chr-14.trna55-iMet-CAT     GGAUUGAAACCUGGCUCUGAU---A 72
chr-6.trna12-iMet-CAT      GGAUCGAAACCUGGCUCUGAA---A 72
chr-2.trna586-iMet-CAT     GGAUCGAAACAUGGCUCUGAU---A 72
chr-6.trna16-iMet-CAT      GGAUCGAAACUUCGCUUUGAU---A 72
chr-1.trna534-iMet-CAT     GGAUCAAAACCUGGCAUUGAU---A 72
chr-5.trna685-iMet-CAT     GGAUCGAAACCUGGUUCUGAU---A 72
chr-7.trna598-iMet-CAT     GGAUCCAAACUUGGCUCUGAU---C 72
chr-2.trna6-iMet-CAT       GGAUCGAAACCUGGCUCUGAU---A 72
chr-12.trna17-iMet-CAT     GGAUAAAAACCUGGCUCUGAU---A 72
chr-12.trna14-iMet-CAT     GGAUAAAAACCUGGCUCUGAU---A 72
chr-12.trna16-iMet-CAT     GGAUAAAAACCUGGCUCUGAU---A 72
chr-12.trna15-iMet-CAT     GGAUAAAAACCUGGCUCUGAU---A 72
chr-2.trna5-iMet-CAT       GGAUUGAAACCUGGCUCUGAU---A 72
chr-11.trna333-iMet-CAT    GGAUCAAAACCUGGCUCUGAU---A 72
chr-1.trna6-iMet-CAT       -GAUCGAAACCUGGCUCUGAU---A 71
chr-1.trna536-iMet-CAT     GGAUUGAAACCUGGCUCUGGU---A 71
chr-6.trna15-iMet-CAT      GGAUUGAAACCUGGCGCUGAU---A 72
chr-9.trna157-iMet-CAT     GGAUCGAAACCUGGCUCUGAU---A 71
chr-6.trna477-iMet-CAT     GGAUCGAAACCUGGCUCUGAU---A 82
chr-6.trna489-iMet-CAT     GGAUCGAAACCUGGCUCUGAU---A 82
                           .........70........80....
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