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                         (((((((..((((........)))).(((((.........)))))).....(((((.....
chr-2D.trna55-Ala-TGC    GGGGAUGUAGCUCAAUUGGUAGAGCAUGAAGAUAUGCAUUAUUCGAGGUACAGGGUUGAA 60
chr-2D.trna57-Ala-TGC    GGGGAUGUAGCUCAACUGGUAGACCAUUAAGGAUUGCAUGCUUAAAGGUACGGGGUUCAA 60
chr-2C.trna64-Ala-TGC    GGGGAUGUAGCUCAUCUGGUAGAGCAUUAAGGAUUGCAUGCUUAAAGGUACGGGGUUCAA 60
chr-2D.trna56-Ala-TGC    GGGGAUGUAGCUCAAUUGGUAGAGCAUUAAGGAUUGCAUGCUUAAAGGUCCGGGGUUCAA 60
chr-2C.trna66-Ala-TGC    GGGGAUGUAGCUCAAUUGGUAGAGCGCUAAGCUUUGCAUAGUAAGAGGUACGGGGUUCAA 60
chr-2D.trna58-Ala-TGC    GGGGAUGUAGCUCAAUUGGUAGAGCGCUAAGCUUUGCAUAGUUAGAGGUAUGGGGUUCAA 60
chr-2C.trna41-Ala-TGC    GGGGAUGUAGCUCAAUUGGAAAAGCACUAAGCUUUGCAUAGUUAGAGGUACGGGGUUCAA 60
chr-1C.trna58-Ala-TGC    GGGGAUGUAGCUCAAAUGGUAGAGCGCUCGC-UUUGCAC-GCGAGAGGCACGGGGUUCGA 58
chr-1D.trna25-Ala-TGC    GGGGAUGUAGCUCAAAUGGUAGAGCGCUCGC-UUUGCAU-GCGAGAGGCACGGGGUUCGA 58
chr-2A.trna43-Ala-TGC    GGGGAUGUAGCUCAAAUGGUAGAGCGCUCGC-UUUGCAU-GCGAGAGGCACGGGGUUCGA 58
chr-7C.trna58-Ala-TGC    GGGGAUGUAGCUCAAAUGGUAGAGCGCUCGC-UUUGCAU-GCGAGAGGCACGGGGUUCGA 58
chr-2B.trna47-Ala-TGC    GGGGAUGUAGCUCAAAUGGUAGAGCGCUCGC-UUUGCAU-GCGAGAGGCACGGGGUUCGA 58
chr-2C.trna77-Ala-TGC    GGGGAUGUAGCUCAAAUGGUAGAGCGCUCGC-UUUGCAU-GCGAGAGGCACGGGGUUCGA 58
chr-7D.trna26-Ala-TGC    GGGGAUGUAGCUCAAAUGGUAGAGCGCUCGC-UUUGCAU-GCGAGAGGCACGGGGUUCGA 58
chr-2D.trna68-Ala-TGC    GGGGAUGUAGCUCAAAUGGUAGAGCGCUCGC-UUUGCAU-GCGAGAGGCACGGGGUUCGA 58
chr-5D.trna54-Ala-TGC    GGGGAUGUAGCUCAAAUGGUAGAGCGCUCGC-UUUGCAU-GCGAGAGGCACGGGGUUCGA 58
chr-5D.trna39-Ala-TGC    GGGGAUGUAGCUCAAAUGGUAGAGCGCUCGC-UUUGCAU-GCGAGAGGCACGGGGUUCGA 58
chr-5D.trna33-Ala-TGC    GGGGAUGUAGCUCAAAUGGUAGAGCGCUCGC-UUUGCAU-GCGAGAGGCACGGGGUUCGA 58
chr-5D.trna32-Ala-TGC    GGGGAUGUAGCUCAAAUGGUAGAGCGCUCGC-UUUGCAU-GCGAGAGGCACGGGGUUCGA 58
chr-5C.trna56-Ala-TGC    GGGGAUGUAGCUCAAAUGGUAGAGCGCUCGC-UUUGCAU-GCGAGAGGCACGGGGUUCGA 58
chr-5C.trna41-Ala-TGC    GGGGAUGUAGCUCAAAUGGUAGAGCGCUCGC-UUUGCAU-GCGAGAGGCACGGGGUUCGA 58
chr-5C.trna33-Ala-TGC    GGGGAUGUAGCUCAAAUGGUAGAGCGCUCGC-UUUGCAU-GCGAGAGGCACGGGGUUCGA 58
chr-5B.trna48-Ala-TGC    GGGGAUGUAGCUCAAAUGGUAGAGCGCUCGC-UUUGCAU-GCGAGAGGCACGGGGUUCGA 58
chr-5B.trna40-Ala-TGC    GGGGAUGUAGCUCAAAUGGUAGAGCGCUCGC-UUUGCAU-GCGAGAGGCACGGGGUUCGA 58
chr-5B.trna4-Ala-TGC     GGGGAUGUAGCUCAAAUGGUAGAGCGCUCGC-UUUGCAU-GCGAGAGGCACGGGGUUCGA 58
chr-4A.trna24-Ala-TGC    GGGGAUGUAGCUCAAAUGGUAGAGCGCUCGC-UUUGCAU-GCGAGAGGCACGGGGUUCGA 58
chr-5A.trna38-Ala-TGC    GGGGAUGUAGCUCAAAUGGUAGAGCGCUCGC-UUUGCAU-GCGAGAGGCACGGGGUUCGA 58
chr-5A.trna6-Ala-TGC     GGGGAUGUAGCUCAAAUGGUAGAGCGCUCGC-UUUGCAU-GCGAGAGGCACGGGGUUCGA 58
chr-4D.trna71-Ala-TGC    GGGGAUGUAGCUCAAAUGGUAGAGCGCUCGC-UUUGCAU-GCGAGAGGCACGGGGUUCGA 58
chr-4D.trna21-Ala-TGC    GGGGAUGUAGCUCAAAUGGUAGAGCGCUCGC-UUUGCAU-GCGAGAGGCACGGGGUUCGA 58
chr-4C.trna59-Ala-TGC    GGGGAUGUAGCUCAAAUGGUAGAGCGCUCGC-UUUGCAU-GCGAGAGGCACGGGGUUCGA 58
chr-4C.trna15-Ala-TGC    GGGGAUGUAGCUCAAAUGGUAGAGCGCUCGC-UUUGCAU-GCGAGAGGCACGGGGUUCGA 58
chr-4B.trna21-Ala-TGC    GGGGAUGUAGCUCAAAUGGUAGAGCGCUCGC-UUUGCAU-GCGAGAGGCACGGGGUUCGA 58
chr-4B.trna10-Ala-TGC    GGGGAUGUAGCUCAAAUGGUAGAGCGCUCGC-UUUGCAU-GCGAGAGGCACGGGGUUCGA 58
chr-4A.trna25-Ala-TGC    GGGGAUGUAGCUCAAAUGGUAGAGCGCUCGC-UUUGCAU-GCGAGAGGCACGGGGUUCGA 58
chr-7A.trna52-Ala-TGC    GGGGAUGUAGCUCAAAUGGUAGAGCGCUCGC-UUUGCAU-GCGAGAGGCACGGGGUUUGA 58
chr-7B.trna44-Ala-TGC    GGGGAUGUAGCUCAAAUGGUAGAGCGCUCGC-UUUGCAU-GCGAGAGGCACGGGGUUCGA 58
chr-1B.trna19-Ala-TGC    GGGGAUGUAGCUCAAAUGGUACAGCGCUCGC-UUUGCAU-GCGAGAGGCACAGGGUUCGA 58
chr-5A.trna48-Ala-TGC    GGGGAUGUAGCUCAAAUGGUAGAGCGCUCGC-UUUGCAU-GCGAGAGGCACGGGGUUCGA 58
chr-4A.trna61-Ala-TGC    GGGGAUGUAGCUCAAAUGGUAGAGCGCUCGC-UUUGCAU-GCGAGAGGCACGGGGUUCGA 58
chr-7C.trna56-Ala-TGC    GGGCAUGUAGCUCAAAUGGUAGAGCGCUCGC-UUUGCAU-GCGAGAGGCACGGGGUUCGA 58
chr-7C.trna57-Ala-TGC    GGGGAUGUAGAUUAAAUGGUAGAGCACUCGC-UUUGCAU-GCGAGAGGCACGGGGUUCGA 58
                         .........10........20........30........40........50.........

                         ..)))))))))))).
chr-2D.trna55-Ala-TGC    CUCCUCGCAUCUCCA 75
chr-2D.trna57-Ala-TGC    CUCCUCGCAUCUCCA 75
chr-2C.trna64-Ala-TGC    CUCCUCGCAUCUCCA 75
chr-2D.trna56-Ala-TGC    CUCCUCGCAUCUCCA 75
chr-2C.trna66-Ala-TGC    CUCCUCGCAUCUCUA 75
chr-2D.trna58-Ala-TGC    CUCCUCGCAUCUCCA 75
chr-2C.trna41-Ala-TGC    CUCCUCACAUCUCUA 75
chr-1C.trna58-Ala-TGC    UCCCCCGCAUCUCCA 73
chr-1D.trna25-Ala-TGC    UCCCCCGCAUCUCCA 73
chr-2A.trna43-Ala-TGC    UCCCCCGCAUCUCCA 73
chr-7C.trna58-Ala-TGC    UCCCCCGCAUCUCCA 73
chr-2B.trna47-Ala-TGC    UCCCCCGCAUCUCCA 73
chr-2C.trna77-Ala-TGC    UCCCCCGCAUCUCCA 73
chr-7D.trna26-Ala-TGC    UCCCCCGCAUCUCCA 73
chr-2D.trna68-Ala-TGC    UCCCCCGCAUCUCCA 73
chr-5D.trna54-Ala-TGC    UCCCCCGCAUCUCCA 73
chr-5D.trna39-Ala-TGC    UCCCCCGCAUCUCCA 73
chr-5D.trna33-Ala-TGC    UCCCCCGCAUCUCCA 73
chr-5D.trna32-Ala-TGC    UCCCCCGCAUCUCCA 73
chr-5C.trna56-Ala-TGC    UCCCCCGCAUCUCCA 73
chr-5C.trna41-Ala-TGC    UCCCCCGCAUCUCCA 73
chr-5C.trna33-Ala-TGC    UCCCCCGCAUCUCCA 73
chr-5B.trna48-Ala-TGC    UCCCCCGCAUCUCCA 73
chr-5B.trna40-Ala-TGC    UCCCCCGCAUCUCCA 73
chr-5B.trna4-Ala-TGC     UCCCCCGCAUCUCCA 73
chr-4A.trna24-Ala-TGC    UCCCCCGCAUCUCCA 73
chr-5A.trna38-Ala-TGC    UCCCCCGCAUCUCCA 73
chr-5A.trna6-Ala-TGC     UCCCCCGCAUCUCCA 73
chr-4D.trna71-Ala-TGC    UCCCCCGCAUCUCCA 73
chr-4D.trna21-Ala-TGC    UCCCCCGCAUCUCCA 73
chr-4C.trna59-Ala-TGC    UCCCCCGCAUCUCCA 73
chr-4C.trna15-Ala-TGC    UCCCCCGCAUCUCCA 73
chr-4B.trna21-Ala-TGC    UCCCCCGCAUCUCCA 73
chr-4B.trna10-Ala-TGC    UCCCCCGCAUCUCCA 73
chr-4A.trna25-Ala-TGC    UCCCCCGCAUCUCCA 73
chr-7A.trna52-Ala-TGC    UCCCCCGCAUCUCCA 73
chr-7B.trna44-Ala-TGC    UCCCACGCAUCUCCA 73
chr-1B.trna19-Ala-TGC    UCCCCCGCAUCUCCA 73
chr-5A.trna48-Ala-TGC    UCCCC-GCAUCUCCA 72
chr-4A.trna61-Ala-TGC    UCCCC-GCAUCUCCA 72
chr-7C.trna56-Ala-TGC    UCCCCCGCAUCUCCA 73
chr-7C.trna57-Ala-TGC    UGCCCCGCAUCUCCA 73
                         .........70....
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