```
                                 ((((.(((..((((.........)))).(((((.......)))))).................
chr-B03.trna100-Tyr-GTA    CCGA-CCUUAGCUCAGUUGGU-AGAGCGGAGGACUGUAGAUCCUUAGGU----------C 48
chr-B07.trna64-Tyr-GTA     CCGA-CCUUAGCUCAGUUGGU-AGAGCGGAGGACUGUAGAUCCUUAGGU----------C 48
chr-B02.trna96-Tyr-GTA     CCGA-CCUUAGCUCAGUUGGU-AGAGCGGAGGACUGUAGAUCCUUAGGU----------C 48
chr-B02.trna95-Tyr-GTA     CCGA-CCUUAGCUCAGUUGGU-AGAGCGGAGGACUGUAGAUCCUUAGGU----------C 48
chr-B02.trna68-Tyr-GTA     CCGA-CCUUAGCUCAGUUGGU-AGAGCGGAGGACUGUAGAUCCUUAGGU----------C 48
chr-B01.trna95-Tyr-GTA     CCGA-CCUUAGCUCAGUUGGU-AGAGCGGAGGACUGUAGAUCCUUAGGU----------C 48
chr-A10.trna6-Tyr-GTA      CCGA-CCUUAGCUCAGUUGGU-AGAGCGGAGGACUGUAGAUCCUUAGGU----------C 48
chr-A09.trna34-Tyr-GTA     CCGA-CCUUAGCUCAGUUGGU-AGAGCGGAGGACUGUAGAUCCUUAGGU----------C 48
chr-A08.trna13-Tyr-GTA     CCGA-CCUUAGCUCAGUUGGU-AGAGCGGAGGACUGUAGAUCCUUAGGU----------C 48
chr-A05.trna62-Tyr-GTA     CCGA-CCUUAGCUCAGUUGGU-AGAGCGGAGGACUGUAGAUCCUUAGGU----------C 48
chr-A04.trna22-Tyr-GTA     CCGA-CCUUAGCUCAGUUGGU-AGAGCGGAGGACUGUAGAUCCUUAGGU----------C 48
chr-A03.trna85-Tyr-GTA     CCGA-CCUUAGCUCAGUUGGU-AGAGCGGAGGACUGUAGAUCCUUAGGU----------C 48
chr-A02.trna49-Tyr-GTA     CCGA-CCUUAGCUCAGUUGGU-AGAGCGGAGGACUGUAGAUCCUUAGGU----------C 48
chr-A01.trna59-Tyr-GTA     CCGA-CCUUAGCUCAGUUGGU-AGAGCGGAGGACUGUAGAUCCUUAGGU----------C 48
chr-B03.trna29-Tyr-GTA     CCGA-CCUUAGCUCAGUUGGU-AGAGCGGAGGACUGUAGAUCCUUAGGU----------C 48
chr-B08.trna140-Tyr-GTA    CCGA-CCUUAGCUCAGUUGGU-AGAGCGGAGGACUGUAGAUCCUUAGGU----------C 48
chr-B09.trna76-Tyr-GTA     CCGA-CCUUAGCUCAGUUGGU-AGAGCGGAGGACUGUAGAUCCUUAGGU----------C 48
chr-B09.trna72-Tyr-GTA     CCGA-CCUUAGCUCAGUUGGU-AGAGCGGAGGACUGUAGAUCCUUAGGU----------C 48
chr-B09.trna103-Tyr-GTA    CCGA-CCUUAGCUCAGUUGGU-AGAGCGGAGGACUGUAGAUCCUUAGGU----------C 48
chr-A06.trna10-Tyr-GTA     GGGU-CGAUGCCCGAGUGGUUAAUGGGGACGGACUGUAAAUUCGUUGGCAAUAUGUCUAU 59
chr-A01.trna61-Tyr-GTA     GGGU-CGAUGCCCAAGAGGUUAAUGGGGACGGACUGUAAAUUCGUUGGCAAUAUGUCUAU 59
chr-A08.trna54-Tyr-GTA     GGGU-CGAUGCCCGAGUGGUUAAUGGGGACGGACUGUAAAUUCGUUGGCAAUAUGUCUAC 59
chr-B07.trna57-Tyr-GTA     GGGU-CGAUGCCCGAGUGGUUAAUGGGGACGGACUGUAAAUUCGUUGGCAAUAUGUCUAC 59
chr-A02.trna31-Tyr-GTA     GGGU-CGAUGCCCGAGUGGUUAACAGGGACGGACUGUAAAUUUGUUGGCAAUAUGUCUAC 59
chr-B10.trna106-Tyr-GTA    GGGU-CGAUGUCCGAGUGGUUAAUGGGGACAGACUGUAAAUUCGUUGGCAAUAUAUCUAC 59
chr-B03.trna169-Tyr-GTA    GGGA-GAGUGCCCGAGUGGUUAAUGGGGACGGACUGUAAAUUCGUUGGCAAUAUGUCUAC 59
chr-B08.trna12-Tyr-GTA     GGGA-GAGUGCCCGAGUGGUUAAUGGGGACGGACUGUAAAUUCGUUGGCAAUAUGUCUAC 59
chr-B08.trna134-Tyr-GTA    GGGA-GAGUGCCCGAGUGGUUAAUGGGGACGGACUGUAAAUUCGUUGGCAAUAUGUCUAC 59
chr-B05.trna129-Tyr-GTA    GGGUUCGAUGCCCGAGUGGUUAAUGGGGACGGAUUGUAAAUUCGUUGGUAAUAUGUCUAC 60
chr-B05.trna57-Tyr-GTA     GGGA-GAGUGGCCGAGUGGUUAAAAGCGACAGACUGUAAAUCUGUUGAA-GUUUUUCUAC 58
chr-A06.trna20-Tyr-GTA     GUCG-UUGUAGUAUAGU-GGUGAGUAUUUCCACCUGUA-ACGCGGACGA----------C 47
chr-B07.trna25-Tyr-GTA     GU---CUAUAGCUCAGUGGU--AGAACAUUUGACUGUAAAUCAAGAGAU---------CC 46
chr-B01.trna140-Tyr-GTA    GU---CUAUAGCUCAGUGGU--AGAACAUUUGACUGUAAAUCAAGAGAU---------CC 46
chr-B05.trna119-Tyr-GTA    GU---CUAUAGCUCAGUGGU--AGAACAUUUGACUGUAAAUCAAGAGAU---------CC 46
chr-B05.trna115-Tyr-GTA    GU---CUAUAGCUCAGUGGU--AGAACAUUUGACUGUAAAUCAAGAGAU---------CC 46
chr-B02.trna13-Tyr-GTA     GU---CUAUAGCUCAGUGGU--AGAACAUUUGACUGUAAAUCAAGAGAU---------CC 46
chr-B05.trna36-Tyr-GTA     GU---CUAUAGCUCAGUGGU--AGAACAUUUGACUGUAAAUCAAGAGAU---------CC 46
chr-B02.trna107-Tyr-GTA    GU---CUAUAGCUCAGUGGU--AGAACAUUUGACUGUAAAUCAAGAGAU---------CC 46
chr-B08.trna38-Tyr-GTA     GC---CUAUAGCUCAGUGGU--AGAACAUUUGACUGUAAAUCAAGAGAU---------CC 46
chr-A03.trna42-Tyr-GTA     GU---UUAUAGCUCAGUGGU--AGAACAUUUGACUGUAAAUCAAGAGAU---------CC 46
chr-A07.trna8-Tyr-GTA      GU---CUAUAGCUCAGUGGU--AGAACAUUUGACUGUAAAUCAAGAGAU---------CC 46
chr-B02.trna25-Tyr-GTA     GU---CUAUAGCUCAGUGGU--AGAACAUUUGAUUGUAAAUCAAGAGAU---------CC 46
chr-B09.trna110-Tyr-GTA    GU---C--UAGCUCAGUGGU--AGAACAUUUGACUGUAAAUCAAGAGAU---------CC 44
                           .........10........20........30........40........50.........
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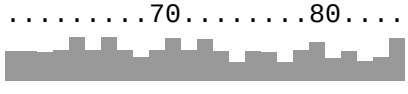
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                           (((((.......)))))))))))))).
chr-B03.trna100-Tyr-GTA    GCUGGUUCGAAUCCGGCAGGUCGGA 73
chr-B07.trna64-Tyr-GTA     GCUGGUUCGAAUCCGGCAGGUCGGA 73
chr-B02.trna96-Tyr-GTA     GCUGGUUCGAAUCCGGCAGGUCGGA 73
chr-B02.trna95-Tyr-GTA     GCUGGUUCGAAUCCGGCAGGUCGGA 73
chr-B02.trna68-Tyr-GTA     GCUGGUUCGAAUCCGGCAGGUCGGA 73
chr-B01.trna95-Tyr-GTA     GCUGGUUCGAAUCCGGCAGGUCGGA 73
chr-A10.trna6-Tyr-GTA      GCUGGUUCGAAUCCGGCAGGUCGGA 73
chr-A09.trna34-Tyr-GTA     GCUGGUUCGAAUCCGGCAGGUCGGA 73
chr-A08.trna13-Tyr-GTA     GCUGGUUCGAAUCCGGCAGGUCGGA 73
chr-A05.trna62-Tyr-GTA     GCUGGUUCGAAUCCGGCAGGUCGGA 73
chr-A04.trna22-Tyr-GTA     GCUGGUUCGAAUCCGGCAGGUCGGA 73
chr-A03.trna85-Tyr-GTA     GCUGGUUCGAAUCCGGCAGGUCGGA 73
chr-A02.trna49-Tyr-GTA     GCUGGUUCGAAUCCGGCAGGUCGGA 73
chr-A01.trna59-Tyr-GTA     GCUGGUUCGAAUCCGGCAGGUCGGA 73
chr-B03.trna29-Tyr-GTA     GCUGGUUCGAAUCCGGCAGGUCGGA 73
chr-B08.trna140-Tyr-GTA    GCUGGUUCGAAUCCGGCAGGUCGGA 73
chr-B09.trna76-Tyr-GTA     GCUGGUUCGAAUCCGGCAGGUCGGA 73
chr-B09.trna72-Tyr-GTA     GCUGGUUCGAAUCCGGCAGGUCGGA 73
chr-B09.trna103-Tyr-GTA    GCUGGUUCGAAUCCGGCAGGUCGGA 73
chr-A06.trna10-Tyr-GTA     GCUGGUUCAAAUUCAGCUCGACCCA 84
chr-A01.trna61-Tyr-GTA     GCUGGUUCAAAUUCAGCUCGACCCA 84
chr-A08.trna54-Tyr-GTA     GCUGGUUCAAAUCCAGCUCGGCCCA 84
chr-B07.trna57-Tyr-GTA     GCUGGUUCAAAUCCAGUUCGGCCCA 84
chr-A02.trna31-Tyr-GTA     GCUGGUUCAAAUCUAGCUCGGCCCA 84
chr-B10.trna106-Tyr-GTA    GCUGGUUCAAAUCCAGCUCGGCCCA 84
chr-B03.trna169-Tyr-GTA    GCUGGUUCGAAUCCUGCCUCUCCCA 84
chr-B08.trna12-Tyr-GTA     GCUGGUUCGAAUCCUGCCUCUCCCA 84
chr-B08.trna134-Tyr-GTA    GCUGGUUCGAAUCCUGCCUCUCCCA 84
chr-B05.trna129-Tyr-GTA    GCUGGUUCAAAUCCAGCUCGACCCA 85
chr-B05.trna57-Tyr-GTA     GUAGGUUCGAAUCCUACCUCUCCCA 83
chr-A06.trna20-Tyr-GTA     CCGGGUUCGAUCCCUGGCAACGGCG 72
chr-B07.trna25-Tyr-GTA     CUGAGAU---ACCUCAGGGGAUACA 68
chr-B01.trna140-Tyr-GTA    CUGAGAU---ACCUCAGGGGAUACA 68
chr-B05.trna119-Tyr-GTA    CUGAGAU---ACCUCAGGGGAUACA 68
chr-B05.trna115-Tyr-GTA    CUGAGAU---ACCUCAGGGGAUACA 68
chr-B02.trna13-Tyr-GTA     CUGAGAU---ACCUCAGGGGAUACA 68
chr-B05.trna36-Tyr-GTA     CUGAGAU---ACCUCAGGGGAUACA 68
chr-B02.trna107-Tyr-GTA    CUGAGAU---ACCUCAGGGGAUACA 68
chr-B08.trna38-Tyr-GTA     CUGAGAU---ACCUCAGGGGAUACA 68
chr-A03.trna42-Tyr-GTA     CUGAGAU---ACCUCAGGGGAUACA 68
chr-A07.trna8-Tyr-GTA      CUGAGAU---AUCUCAGGGGAUACA 68
chr-B02.trna25-Tyr-GTA     CUGAGAU---ACCUCAGGGGAUACA 68
chr-B09.trna110-Tyr-GTA    CUGAGAU---ACCUCAGGGGAUACA 66
                           .........70........80....
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