```
                                (((((((.....((((.........)))).(((((.......)))))).....(((((..
chr-A04.trna41-Asn-GTT    UCCUCAG----UAGCUCAGU--GGUAGAGCGAUCAGCUGUUAACUGACUGGUCAUAGGUU 54
chr-B08.trna120-Asn-GTT   UCCUCAG----UAGCUCAGU--GGUAGAGCGGCCGGCUGUUAACUGACUGGUCGUAGGUU 54
chr-B02.trna124-Asn-GTT   UCCUCAA----UAGCUCAGU--GGUAGAGCGGUCGGCUGUUAACUGACUGGUCGUAGGUU 54
chr-A01.trna77-Asn-GTT    UCCUCAG----UAGCUCAGU--GGUAGAGCGGUCGGCUGUUAACUGACUGGUCGUAGGUU 54
chr-A01.trna11-Asn-GTT    UCCUCAG----UAGCUCAGU--GGUAGAGCGGUCGGCUGUUAACUGACUGGUCGUAGGUU 54
chr-B08.trna71-Asn-GTT    UCCUCAG----UAGCUCAGU--GGUAGAGCGGUCGGCUGUUAACUGACUGGUCGUAGGUU 54
chr-A08.trna19-Asn-GTT    UCCUCAG----UAGCUCAGU--GGUAGAGCGGUCGGCUGUUAACUGACUGGUCGUAGGUU 54
chr-A02.trna36-Asn-GTT    UCCUCAG----UAGCUCAGU--GGUAGAGCGGUCGGCUGUUAACUGACUGGUCGUAGGUU 54
chr-A06.trna35-Asn-GTT    UCCUCAG----UAGCUCAGU--GGUAGAGCGGUCGGCUGUUAACUGACUGGUCGUAGGUU 54
chr-B09.trna29-Asn-GTT    UCCUCAG----UAGCUCAGU--GGUAGAGCGGUCGGCUGUUAACUGACUGGUCGUAGGUU 54
chr-B02.trna67-Asn-GTT    UCCUUAU----UAGCUCAAU--GGUAGAGUGGUCGGCUGUUAAUUGACUAGUCGUAGGUU 54
chr-B02.trna45-Asn-GTT    UCCUCAGUAGCUAGCUCAGU--GGUAGAGCGGUCGGCUGUUAACUGACUGGUCGUAGGUU 58
chr-B02.trna66-Asn-GTT    UCCCUCAG---UAGCUCAGU--GGUAGAGCGAUUCGCUGUUAACUGACUGGUCGUAGGUU 55
chr-B09.trna3-Asn-GTT     GCUGGAG----UAGCUCAGAUGGUUAGAGCGUGUGGCUGUUAACCACAAGGUCGAAGGUU 56
chr-B09.trna156-Asn-GTT   GCUGGAG----UAGCUCAGAUGGUUAGAGCGUGUGGCUGUUAACCACAAGGUCGAAGGUU 56
chr-B09.trna155-Asn-GTT   GCUGGAA----UAGCUCAGAUGGUUAGAGCGUGUGGCUGUUAACCACAAGGUCGAAGGUU 56
chr-A01.trna94-Asn-GTT    GCUGGAG----UAGCUCAGUUGGUUAGAGCGUGUGGCUGUUAACCACAAGGUCGAAGGUU 56
chr-A07.trna19-Asn-GTT    GCUGGAG----UAGCUCAGUUGGUUAGAGCGUGUGGCUGUUAACCACAAGGUCGAAGGUU 56
chr-A07.trna23-Asn-GTT    GCUGGAG----UAGCUCAGUUGGUUAGAGCGUGUGGCUGUUAACCACAAGGUCGAAGGUU 56
chr-A07.trna25-Asn-GTT    GCUGGAG----UAGCUCAGUUGGUUAGAGCGUGUGGCUGUUAACCACAAGGUCGAAGGUU 56
chr-B02.trna61-Asn-GTT    GCUGGAG----UAGCUCAGUUGGUUAGAGCGUGUGGCUGUUAACCACAAGGUCGAAGGUU 56
chr-B02.trna62-Asn-GTT    GCUGGAG----UAGCUCAGUUGGUUAGAGCGUGUGGCUGUUAACCACAAGGUCGAAGGUU 56
chr-A05.trna1-Asn-GTT     GCUGGAA----UAGCUCAGUUGGUUAGAGCGUGUGGCUGUUAACCACAAGGUCGGAGGUU 56
chr-B10.trna2-Asn-GTT     GCUGGAA----UAGCUCAGUUGGUUAGAGCGUGUGGCUGUUAACCACAAGGUCGGAGGUU 56
chr-A10.trna40-Asn-GTT    GCUGGAA----UAGCUCAGUUGGUUAGAGCGUGUGGCUGUUAACCACAAGGUCGGAGGUU 56
chr-B02.trna116-Asn-GTT   GCUGGAA----UAGCUCAGUUGGUUAGAGCGUGUGGCUGUUAACCACAAGGUCGGAGGUU 56
chr-B03.trna202-Asn-GTT   GCUGGAA----UAGCUCAGUUGGUUAGAGCGUGUGGCUGUUAACCACAAGGUCGGAGGUU 56
chr-B03.trna203-Asn-GTT   GCUGGAA----UAGCUCAGUUGGUUAGAGCGUGUGGCUGUUAACCACAAGGUCGGAGGUU 56
chr-B04.trna8-Asn-GTT     GCUGGAA----UAGCUCAGUUGGUUAGAGCGUGUGGCUGUUAACCACAAGGUCGGAGGUU 56
chr-B06.trna7-Asn-GTT     GCUGGAA----UAGCUCAGUUGGUUAGAGCGUGUGGCUGUUAACCACAAGGUCGGAGGUU 56
chr-B09.trna84-Asn-GTT    GCUGGAG----UAGCUCAGUUGGUUAGAGCGUGUGGCUGUUAACCACAAGGUCGAAGGUU 56
chr-B03.trna90-Asn-GTT    GCUGGAG----UAGCUCAGUUGGUUAGAGCGUGUGGCUGUUAACCACAAGGUCGAAGGUU 56
chr-B03.trna86-Asn-GTT    GCUGGAA----UAGCUCAGUUGGUUAGAGCGUGUGGCUGUUAACCAUAAGGUCGGAGGUU 56
chr-A01.trna56-Asn-GTT    GCUGGAA----UAGCUCAGUUGGUUAGAGCGUGUGGCUGUUAACCACAAGGUCGGAGGUU 56
chr-A08.trna15-Asn-GTT    GCUGGAA----UAGCUCAGUUGGUUAGAGCGUGUGGCUGUUAACCACAAGGUCGGAGGUU 56
chr-A08.trna16-Asn-GTT    GCUGGAA----UAGCUCAGUUGGUUAGAGCGUGUGGCUGUUAACCACAAGGUCGGAGGUU 56
chr-B08.trna143-Asn-GTT   GCUGGAA----UAGCUCAGUUGGUUAGAGCGUGUGGCUGUUAACCACAAGGUCGGAGGUU 56
chr-B03.trna91-Asn-GTT    GCUGGAA----UAGCUCAGUUGGUUAGAGCGUGUGGCUGUUAACCACAAGGUCGAAGGUU 56
chr-B09.trna2-Asn-GTT     GCUGAAA----UAGCUCAGAUGGUUAGAGCGUGUGGCUGUUAACCACAAGGUCGGAGGUU 56
chr-A03.trna58-Asn-GTT    UCCCCAAU---CAUUGAUGGUUCUAAGAGCGGUCGGCUGUUAACUGACUAGUCGUAGGUU 57
chr-B06.trna96-Asn-GTT    UCCUCAG----UAGCUCAGU--GGUAGAGCGGUCGGCUGUUAACUGACUGGUCGUAGGUU 54
                          .........10........20........30........40........50.........

                          .......)))))))))))).
chr-A04.trna41-Asn-GTT    CG--AAUCCUACUUGGGGAG 72
chr-B08.trna120-Asn-GTT   CG--AAUCCUACUUGGGGAC 72
chr-B02.trna124-Asn-GTT   CG--AAUCCUACUUGGGGAG 72
chr-A01.trna77-Asn-GTT    CG--AAUCCUACUUGGGGAG 72
chr-A01.trna11-Asn-GTT    CG--AAUCCUACUUGGGGAG 72
chr-B08.trna71-Asn-GTT    CG--AAUCCUACUUGGGGAG 72
chr-A08.trna19-Asn-GTT    CG--AAUCCUACUUGGGGAG 72
chr-A02.trna36-Asn-GTT    CG--AAUCCUACUUGGGGAG 72
chr-A06.trna35-Asn-GTT    CG--AAUCCUACUUGGGGAG 72
chr-B09.trna29-Asn-GTT    CA--AAUCCUACUUGGGGAG 72
chr-B02.trna67-Asn-GTT    CG--AAUCCUACUUGGGGAG 72
chr-B02.trna45-Asn-GTT    CG--AAUCCUACUUGGGGAG 76
chr-B02.trna66-Asn-GTT    CG--AAUCCUACUUAGGGAG 73
chr-B09.trna3-Asn-GTT     CA--AGCCCUUCCUCUAGCG 74
chr-B09.trna156-Asn-GTT   CA--AGCCCUUCUUCUAGCG 74
chr-B09.trna155-Asn-GTT   CA--AGCCCUUCUUCUAGCG 74
chr-A01.trna94-Asn-GTT    CA--AGCCCUUCCUCUAGCG 74
chr-A07.trna19-Asn-GTT    CA--AGCCCUUCCUCUAGCG 74
chr-A07.trna23-Asn-GTT    CA--AGCCCUUCCUCUAGCG 74
chr-A07.trna25-Asn-GTT    CA--AGCCCUUCCUCUAGCG 74
chr-B02.trna61-Asn-GTT    CA--AGCCCUUCCUCUAGCG 74
chr-B02.trna62-Asn-GTT    CA--AGCCCUUCCUCUAGCG 74
chr-A05.trna1-Asn-GTT     CA--AGCCCUCCUUCUAGCG 74
chr-B10.trna2-Asn-GTT     CA--AGCCCUCCUUCUAGCG 74
chr-A10.trna40-Asn-GTT    CA--AGCCCUCCUUCUAGCG 74
chr-B02.trna116-Asn-GTT   CA--AGCCCUCCUUCUAGCG 74
chr-B03.trna202-Asn-GTT   CA--AGCCCUCCUUCUAGCG 74
chr-B03.trna203-Asn-GTT   CA--AGCCCUCCUUCUAGCG 74
chr-B04.trna8-Asn-GTT     CA--AGCCCUCCUUCUAGCG 74
chr-B06.trna7-Asn-GTT     CA--AGCCCUCCUUCUAGCG 74
chr-B09.trna84-Asn-GTT    CA--AGCCCUUCUUCUAGCG 74
chr-B03.trna90-Asn-GTT    CA--AGCCCUUCUUCUAGCG 74
chr-B03.trna86-Asn-GTT    CA--AGCCCUCCUUCUAGCG 74
chr-A01.trna56-Asn-GTT    CA--AGCCCUUCUUCUAGCG 74
chr-A08.trna15-Asn-GTT    CA--AGUCCUCCUUCUAGCG 74
chr-A08.trna16-Asn-GTT    CA--AGUCCUCCUUCUAGCG 74
chr-B08.trna143-Asn-GTT   CA--AGUCCUCCUUCUAGCG 74
chr-B03.trna91-Asn-GTT    UA--AGCCCUUCUUCUAGCG 74
chr-B09.trna2-Asn-GTT     CA--AGCCCUCCUUCUAGCG 74
chr-A03.trna58-Asn-GTT    CG--AAUCCUACUUGGGGAG 75
chr-B06.trna96-Asn-GTT    CAUUAGAGCUAUUUGAUAAA 74
                          .........70.........

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