```
                                (((.((((...........((....((.((....))))))..(((((....)))))))(((( 
chr-6.trna168-Asp-GTC     GCA-GUA-------GUAUAGU----GGUGAGUAUCCCGCCUGUCACGCGGGAGACCGG 48
chr-4.trna16-Asp-GTC      GAU-GUA-------GUAUAGU----GGUGAGUAUUCCGCCUGUCACGCGGGUGACCGG 48
chr-2.trna212-Asp-GTC     GUC-GUUG--UA--GUAUAGU----GGUGAGUAUUCCGCCUGUCACGCG---GACCGG 48
chr-4.trna146-Asp-GTC     GUC-GUUG--UA--GUAUAGU----GGUGAGUAUUCCGCCUGUCACCCGGGUGACCGG 51
chr-11.trna142-Asp-GTC    GUC-GUUG--UA--GUAUAGU----GGUGAGUAUUCCGCCUGUCACGCGGGUGACCGU 51
chr-7.trna168-Asp-GTC     GUC-GUUG--UA--GUAUAGU----GGUGAGUAUUCCGCUUGUCACCUGGGUGACUCAG 51
chr-12.trna83-Asp-GTC     GUC-GUUG--UA--GUAUAGU----GGUGAGUAUUCCGCCUGUCACCCGGGUGACCGG 51
chr-6.trna162-Asp-GTC     GUC-GUUG--UA--GUAUAGU----GGUGAGUAUCCCGCCUGUCACCCGGGAGACCGG 51
chr-15.trna129-Asp-GTC    GUC-GUUG--UA--GUAUAAU----GGUGAGUAUUCCGCCUGUCACCCGGGUGACCGG 51
chr-7.trna169-Asp-GTC     GUC-GUUG--UA--GUAUAGU----GGUGAGUAUUCCGCUUGUCACCUGGGUCACUCAG 51
chr-7.trna183-Asp-GTC     GUC-GUUG--UA--GUAUAGU----GGUGAGUAUUCCGCCUGUCACGCGGGUGACCGG 51
chr-4.trna85-Asp-GTC      GUC-GUUG--UA--GUAUAUU----GGUGAGUUUUCCGCCUGUCAUGCGGGUGACCGG 51
chr-13.trna35-Asp-GTC     GUC-GUUG--UA--AUAUAGU----GGUGAGUAUUCCGCCUGUCACGCGGGUGACCGG 51
chr-3.trna37-Asp-GTC      GUC-GUUG--UA--GUAUAGU----GGUGAGUAUACCGCCUGUCACGCGGGUGACCGG 51
chr-12.trna146-Asp-GTC    GUC-GUUG--UA--GUAUAGU----GGUGAGUAUACCGCCUGUCACGCGGGUGACCGG 51
chr-12.trna145-Asp-GTC    GUC-GUUG--UA--GUAUAGU----GGUGAGUAUACCGCCUGUCACGCGGGUGACCGG 51
chr-12.trna144-Asp-GTC    GUC-GUUG--UA--GUAUAGU----GGUGAGUAUACCGCCUGUCACGCGGGUGACCGG 51
chr-6.trna115-Asp-GTC     GUC-GUUG--UA--GUAUAGU----GGUGAGUAUACCGCCUGUCACGCGGGUGACCGG 51
chr-12.trna143-Asp-GTC    GUC-GUUG--UA--GUAUAGU----GGUGAGUAUACCGCCUGUCACGCGGGUGACCAG 51
chr-3.trna2-Asp-GTC       GUC-GUUG--UA--GUAUAGU----GGUGAGUAUUUCCGCCUGUCACGCGGGUGACCGG 51
chr-2.trna216-Asp-GTC     GUC-GUUG--UA--GUAUAGU----GGUGAGUAUUCCGCCUGUCACGCGGGUGACCGG 51
chr-3.trna49-Asp-GTC      GUC-GUUG--UA--GUAUAGU----GGUGAGUAUUCCGCCUGUCACGCGGGUGACCGG 51
chr-3.trna51-Asp-GTC      GUC-GUUG--UA--GUAUAGU----GGUGAGUAUUCCGCCUGUCACGCGGGUGACCGG 51
chr-14.trna148-Asp-GTC    GUC-GUUG--UA--GUAUAGU----GGUGAGUAUUCCGCCUGUCACGCGGGUGACCGG 51
chr-14.trna140-Asp-GTC    GUC-GUUG--UA--GUAUAGU----GGUGAGUAUUCCGCCUGUCACGCGGGUGACCGG 51
chr-3.trna55-Asp-GTC      GUC-GUUG--UA--GUAUAGU----GGUGAGUAUUCCGCCUGUCACGCGGGUGACCGG 51
chr-13.trna147-Asp-GTC    GUC-GUUG--UA--GUAUAGU----GGUGAGUAUUCCGCCUGUCACGCGGGUGACCGG 51
chr-13.trna146-Asp-GTC    GUC-GUUG--UA--GUAUAGU----GGUGAGUAUUCCGCCUGUCACGCGGGUGACCGG 51
chr-13.trna145-Asp-GTC    GUC-GUUG--UA--GUAUAGU----GGUGAGUAUUCCGCCUGUCACGCGGGUGACCGG 51
chr-13.trna41-Asp-GTC     GUC-GUUG--UA--GUAUAGU----GGUGAGUAUUCCGCCUGUCACGCGGGUGACCGG 51
chr-13.trna38-Asp-GTC     GUC-GUUG--UA--GUAUAGU----GGUGAGUAUUCCGCCUGUCACGCGGGUGACCGG 51
chr-3.trna61-Asp-GTC      GUC-GUUG--UA--GUAUAGU----GGUGAGUAUUCCGCCUGUCACGCGGGUGACCGG 51
chr-13.trna36-Asp-GTC     GUC-GUUG--UA--GUAUAGU----GGUGAGUAUUCCGCCUGUCACGCGGGUGACCGG 51
chr-3.trna124-Asp-GTC     GUC-GUUG--UA--GUAUAGU----GGUGAGUAUUCCGCCUGUCACGCGGGUGACCGG 51
chr-12.trna215-Asp-GTC    GUC-GUUG--UA--GUAUAGU----GGUGAGUAUUCCGCCUGUCACGCGGGUGACCGG 51
chr-12.trna147-Asp-GTC    GUC-GUUG--UA--GUAUAGU----GGUGAGUAUUCCGCCUGUCACGCGGGUGACCGG 51
chr-4.trna8-Asp-GTC       GUC-GUUG--UA--GUAUAGU----GGUGAGUAUUCCGCCUGUCACGCGGGUGACCGG 51
chr-4.trna95-Asp-GTC      GUC-GUUG--UA--GUAUAGU----GGUGAGUAUUCCGCCUGUCACGCGGGUGACCGG 51
chr-1.trna75-Asp-GTC      GUC-GUUG--UA--GUAUAGU----GGUGAGUAUUCCGCCUGUCACGCGGGUGACCGG 51
chr-4.trna150-Asp-GTC     GUC-GUUG--UA--GUAUAGU----GGUGAGUAUUCCGCCUGUCACGCGGGUGACCGG 51
chr-12.trna124-Asp-GTC    GUC-GUUG--UA--GUAUAGU----GGUGAGUAUUCCGCCUGUCACGCGGGUGACCGG 51
chr-12.trna84-Asp-GTC     GUC-GUUG--UA--GUAUAGU----GGUGAGUAUUCCGCCUGUCACGCGGGUGACCGG 51
chr-4.trna151-Asp-GTC     GUC-GUUG--UA--GUAUAGU----GGUGAGUAUUCCGCCUGUCACGCGGGUGACCGG 51
chr-4.trna155-Asp-GTC     GUC-GUUG--UA--GUAUAGU----GGUGAGUAUUCCGCCUGUCACGCGGGUGACCGG 51
chr-4.trna208-Asp-GTC     GUC-GUUG--UA--GUAUAGU----GGUGAGUAUUCCGCCUGUCACGCGGGUGACCGG 51
chr-12.trna79-Asp-GTC     GUC-GUUG--UA--GUAUAGU----GGUGAGUAUUCCGCCUGUCACGCGGGUGACCGG 51
chr-12.trna78-Asp-GTC     GUC-GUUG--UA--GUAUAGU----GGUGAGUAUUCCGCCUGUCACGCGGGUGACCGG 51
chr-4.trna249-Asp-GTC     GUC-GUUG--UA--GUAUAGU----GGUGAGUAUUCCGCCUGUCACGCGGGUGACCGG 51
chr-5.trna67-Asp-GTC      GUC-GUUG--UA--GUAUAGU----GGUGAGUAUUCCGCCUGUCACGCGGGUGACCGG 51
chr-5.trna198-Asp-GTC     GUC-GUUG--UA--GUAUAGU----GGUGAGUAUUCCGCCUGUCACGCGGGUGACCGG 51
chr-5.trna264-Asp-GTC     GUC-GUUG--UA--GUAUAGU----GGUGAGUAUUCCGCCUGUCACGCGGGUGACCGG 51
chr-11.trna109-Asp-GTC    GUC-GUUG--UA--GUAUAGU----GGUGAGUAUUCCGCCUGUCACGCGGGUGACCGG 51
chr-5.trna273-Asp-GTC     GUC-GUUG--UA--GUAUAGU----GGUGAGUAUUCCGCCUGUCACGCGGGUGACCGG 51
chr-11.trna106-Asp-GTC    GUC-GUUG--UA--GUAUAGU----GGUGAGUAUUCCGCCUGUCACGCGGGUGACCGG 51
chr-5.trna275-Asp-GTC     GUC-GUUG--UA--GUAUAGU----GGUGAGUAUUCCGCCUGUCACGCGGGUGACCGG 51
chr-5.trna276-Asp-GTC     GUC-GUUG--UA--GUAUAGU----GGUGAGUAUUCCGCCUGUCACGCGGGUGACCGG 51
chr-6.trna32-Asp-GTC      GUC-GUUG--UA--GUAUAGU----GGUGAGUAUUCCGCCUGUCACGCGGGUGACCGG 51
chr-6.trna36-Asp-GTC      GUC-GUUG--UA--GUAUAGU----GGUGAGUAUUCCGCCUGUCACGCGGGUGACCGG 51
chr-6.trna37-Asp-GTC      GUC-GUUG--UA--GUAUAGU----GGUGAGUAUUCCGCCUGUCACGCGGGUGACCGG 51
chr-6.trna66-Asp-GTC      GUC-GUUG--UA--GUAUAGU----GGUGAGUAUUCCGCCUGUCACGCGGGUGACCGG 51
chr-10.trna96-Asp-GTC     GUC-GUUG--UA--GUAUAGU----GGUGAGUAUUCCGCCUGUCACGCGGGUGACCGG 51
chr-10.trna44-Asp-GTC     GUC-GUUG--UA--GUAUAGU----GGUGAGUAUUCCGCCUGUCACGCGGGUGACCGG 51
chr-9.trna167-Asp-GTC     GUC-GUUG--UA--GUAUAGU----GGUGAGUAUUCCGCCUGUCACGCGGGUGACCGG 51
chr-9.trna166-Asp-GTC     GUC-GUUG--UA--GUAUAGU----GGUGAGUAUUCCGCCUGUCACGCGGGUGACCGG 51
chr-6.trna195-Asp-GTC     GUC-GUUG--UA--GUAUAGU----GGUGAGUAUUCCGCCUGUCACGCGGGUGACCGG 51
chr-7.trna45-Asp-GTC      GUC-GUUG--UA--GUAUAGU----GGUGAGUAUUCCGCCUGUCACGCGGGUGACCGG 51
chr-7.trna65-Asp-GTC      GUC-GUUG--UA--GUAUAGU----GGUGAGUAUUCCGCCUGUCACGCGGGUGACCGG 51
chr-7.trna91-Asp-GTC      GUC-GUUG--UA--GUAUAGU----GGUGAGUAUUCCGCCUGUCACGCGGGUGACCGG 51
chr-7.trna94-Asp-GTC      GUC-GUUG--UA--GUAUAGU----GGUGAGUAUUCCGCCUGUCACGCGGGUGACCGG 51
chr-9.trna69-Asp-GTC      GUC-GUUG--UA--GUAUAGU----GGUGAGUAUUCCGCCUGUCACGCGGGUGACCGG 51
chr-9.trna66-Asp-GTC      GUC-GUUG--UA--GUAUAGU----GGUGAGUAUUCCGCCUGUCACGCGGGUGACCGG 51
chr-7.trna95-Asp-GTC      GUC-GUUG--UA--GUAUAGU----GGUGAGUAUUCCGCCUGUCACGCGGGUGACCGG 51
chr-9.trna1-Asp-GTC       GUC-GUUG--UA--GUAUAGU----GGUGAGUAUUCCGCCUGUCACGCGGGUGACCGG 51
chr-8.trna188-Asp-GTC     GUC-GUUG--UA--GUAUAGU----GGUGAGUAUUCCGCCUGUCACGCGGGUGACCGG 51
chr-7.trna96-Asp-GTC      GUC-GUUG--UA--GUAUAGU----GGUGAGUAUUCCGCCUGUCACGCGGGUGACCGG 51
chr-8.trna94-Asp-GTC      GUC-GUUG--UA--GUAUAGU----GGUGAGUAUUCCGCCUGUCACGCGGGUGACCGG 51
chr-7.trna197-Asp-GTC     GUC-GUUG--UA--GUAUAGU----GGUGAGUAUUCCGCCUGUCACGCGGGUGACCGG 51
chr-7.trna97-Asp-GTC      GUC-GUUG--UA--GUAUAGU----GGUGAGUAUUCCGCCUGUCACGCGGGUGACCGG 51
chr-7.trna156-Asp-GTC     GUC-GUUG--UA--GUAUAGU----GGUGAGUAUUCCGCCUGUCACGCGGGUGACCGG 51
chr-11.trna208-Asp-GTC    GUC-GUUG--UA--GUAUAGU----GGUGAGUAUUCCGCCUGUCACGCGGGUGACCGG 51
chr-9.trna133-Asp-GTC     GUC-GUUG--UA--GUAUAGU----GGUGAGUAUUCCGCCUGUCACGCGGGUGACCGG 51
chr-3.trna50-Asp-GTC      GUU-GUUG--UA--GUAUAGU----GGUGAGUAUUCCGCCUGUCACGCGGGUGACCGG 51
chr-7.trna50-Asp-GTC      GUC-GUUG--UA--GUAUAGU----GGUGAGUAUUCCGCUUGUCACGCGGGUGACCGG 51
chr-9.trna132-Asp-GTC     GUC-GUUG--UA--GUAUAGU----GGUGAGUAUUCCGCCUGUCACGCGGGUGACCGG 51
chr-7.trna93-Asp-GTC      GUC-GUUG--UA--GUAUAGU----GGUGAGUAUUCCGCCUGUCACGCGGGUGACCUGG 51
chr-7.trna33-Asp-GTC      GUC-GUUG--UA--GUAUAGU----GGUGAGUAUUCCGCCUGUCACGCGGGUGACCGG 51
chr-7.trna36-Asp-GTC      GUC-GUUG--UA--GUAUAGU----GGUGAGUAUUCCGCCUGUCACGCGGGUGACCGG 51
chr-9.trna95-Asp-GTC      GUC-GUUG--UA--GUAUAGU----GGUGAGUAUUCCUGCCUGUCACGCGGGUGACCGG 51
chr-13.trna148-Asp-GTC    GUC-GUUG--UA--GUAUAGU----GGUGAGUAUUCUCGCCUGUCACGCGGGUGACCGG 51
chr-11.trna108-Asp-GTC    GUC-GUUG--UA--GUAUAGU----GGUGAGUAUUCCGCCUGUCACACGGGUGACCGG 51
chr-6.trna174-Asp-GTC     GUC-GUUG--UA--GUAUAGU----GGUAAGUAUUCCUGCCUGUCACGCGGGUGACCGG 51
chr-7.trna8-Asp-GTC       GUC-GUUG--UA--GUAUAGU----GGUGAGUAUUCCGCCUGUCACUCGGGUGACCGG 51
chr-8.trna187-Asp-GTC     GUC-GUUG--UA--GUAUAGU----GGUGAGUAUUCCGCCUGUCACGCGGGUGACCGG 51
chr-9.trna86-Asp-GTC      GUC-GUUG--UA--GUAUAUU----GGUGAGUAUUCCGCCUGUCACGCGGGUGACCGG 51
chr-4.trna61-Asp-GTC      GUU-GUUG--UA--GUAUAGU----GGUAAGUAUUCCGCCUGUCACGCGGGUGACCGG 51
chr-4.trna135-Asp-GTC     GUC-GUUG--UA--GUAUAGU----GGUAAGUAUUCCGCCUGUCACGCGGGUGACCGG 51
chr-7.trna92-Asp-GTC      GUC-GUUG--UA--GUAUAGU----GGUGAGUAUUCCGCCUGUCACGCGGGUGACCGG 51
chr-15.trna128-Asp-GTC    GUC-GUUG--UA--GUAUAGU----GGUAAGUAUUCCGCCUGUCACGCGGGUGACCGG 51
chr-9.trna156-Asp-GTC     GUU-GUUG--UA--GUAUAGU----GGUGAGUAUUCCGCCUGUCACUCGGGUGACCGG 51
chr-6.trna173-Asp-GTC     GUU-GUUG--UA--GUAUAGU----GGUGAGUAUCCCGCCUGUCACGCAGGAGACCGG 51
chr-6.trna164-Asp-GTC     GUC-GUUG--UA--GUAUAGU----GGUGAGUAUCCCGCCUGUCACGCGGGAGACCGG 51
chr-4.trna235-Asp-GTC     GUC-GUUG--UA--GUAUAGU----GGUGAGUAUCCCGCCUGUCACGCGGGAGACCGG 51
chr-6.trna159-Asp-GTC     GUC-GUUG--UA--GUAUAGU----GGUGAGUAUCCCUGCCUGUCACGUGGGAGACCGG 51
chr-11.trna44-Asp-GTC     GUU-GUUG--UA--GUAUAGU----GGUGAGUAUUUCCGCCUGUCACGCGGACGACCGG 51
chr-6.trna55-Asp-GTC      GUC-GUUG--UA--GUAUAGU----GGUGAGUAUUUCCGCCUGUCACGCGGACGACCUGG 51
chr-11.trna43-Asp-GTC     GUC-GUUG--UA--GUAUAGU----GGUAAGUAUUUCCGCCUGUCACGCGGACAACCGG 51
chr-11.trna22-Asp-GTC     GUC-GUUG--UA--GUAUAGU----GGUCAGUAUUUCUGCCUGUCACGCGGAUGACCGG 51
chr-6.trna95-Asp-GTC      GUU-GUUG--UA--GUAUAGU----GGUGAGUAUACCCGCCUGUCAUGUAGGUGACCGG 51
chr-11.trna143-Asp-GTC    GUC-GUUG--UA--GUGUAGU----GGUGAGUAUUCCCUCCUGUCACGCGGGUGACCGG 51
chr-13.trna37-Asp-GTC     GUC-GUUG--UA--GUAUGGU----GGUGAGUAUUCCUGCUUGUCACGUGGGUGACCGG 51
chr-6.trna161-Asp-GTC     GUC-GUUG--UA--GUAUAGU----GGUGAGUAUCCCGCCUGUCAUGCCGGAGACCGG 51
chr-6.trna165-Asp-GTC     GUU-GUUG--UG--GUAUAGU----GGUGAGUAUCCCCGCCUGUCACGCGGAGACCUGA 51
chr-6.trna166-Asp-GTC     GUC-GUUG--UA--GUAUAGU----GGUGAGUAUCCCCGCUUGUCACGCGGGAGACCGG 51
chr-6.trna160-Asp-GTC     GCC-GUUG--UA--GUAUAGU----GGUGAGUGUCCCCGCUUGUCACGCGGGAGACCGG 51
chr-6.trna171-Asp-GTC     GUC-GUUU--UA--GUAUAGU----GGUGAGUAUCCCUGCCUGUCACGCGGGAGACUCGG 51
chr-6.trna170-Asp-GTC     GUC-GUUU--UA--GUAUAGU----GGUGAGUAUCCCCGCCUGUCACGCGGGAGACCGG 51
chr-6.trna67-Asp-GTC      GUC-GUUG--UA--GUAUAGU----GGUGAGUAUUCCCGCCUGUCACGCGGGUGACCGG 51
chr-7.trna9-Asp-GTC       GUC-GUUG--UA--GUAUAGU----GGUGAGUAUUCCCGCCUGUCACGUGGGUGACCGG 51
chr-9.trna44-Asp-GTC      GUC-GUUG--UA--GUAUAGU----GGUGAGUAUCCCCGCCUGUCACGUGGGAGACCGG 51
chr-10.trna100-Asp-GTC    GUC-GUUG--UAGUGUAUAGU----GGUGAGUAUUCUCGCCUGUCACGUAGGUGUCCGG 53
chr-3.trna155-Asp-GTC     GUU-GGAGAUUGUAGUAUAGU----GGUGAGUAUUCCGCCUGUCACGCGGGUGACCGG 55
chr-6.trna167-Asp-GTC     GUU-GUUG--UA--GUAUAGU----GGUGAGUAUCCCUGCUUGUCACGCGG-AGACCGG 50
chr-12.trna81-Asp-GTC     CUCAGUCG--UA--GUAUAGU----GGUGAGUAUUCCGCCUGUCACGCGGGUGACCGG 52
chr-12.trna82-Asp-GTC     GUCGUUGUAGUAUAGUGGUGAGUAUGGUGAGUAUUCCGCCUGUCACGCGGGUGACCGG 60
chr-4.trna227-Asp-GTC     GCCAUUUUGAUGAUGUAGUAUAGU-GGUGAGUAUUCCGCCUGUCACGCGGGUGACCGG 59
chr-10.trna113-Asp-GTC    GCA-CCAG--UG--GUCUAGUGGUAGAAUAGUACCCUGUCACGAUACAGACCCGGACCCG 55
chr-12.trna48-Asp-GTC     GCA-CCAG--UG--GUCUAGUGGUAGAAUAGUACCCUGUCACGGUACAGA------CCCG 49
chr-6.trna35-Asp-GTC      GGAUUUU--------UAUAGU----GGUGAGUAUUCCGCCUGUCACGCGGGUGACCGG 48
chr-10.trna173-Asp-GTC    GGG-AUUG--UA--GUUCAAU---UGGUCAGAGCACCGCCCUGUCAAGGCGGAAGCUGCG 52
                          .........10........20........30........40........50.........
                          ((((((((((.....)))))))))).....(((((((((((((((((((((((((((((( 
chr-6.trna168-Asp-GTC     G-UUCGAUACCCCGA---CAACAGCG 69
chr-4.trna16-Asp-GTC      G-UUCGAUCCCCGG---CAACGGCG 69
chr-2.trna212-Asp-GTC     G-UUCGAUCCCCGG---CAACGGCG 69
chr-4.trna146-Asp-GTC     G-UUCGAUCCCCGG---CAACGGCG 72
chr-11.trna142-Asp-GTC    G-UUCGAUCCCCGA---CAACGGCG 72
chr-7.trna168-Asp-GTC     G-UUCGAUCCCCGG---CAACGGCG 72
chr-12.trna83-Asp-GTC     G-UUCGAUCCCCAG---CAACGGCG 72
chr-6.trna162-Asp-GTC     G-UUCGAUCCCCGG---CAACGGCG 72
chr-15.trna129-Asp-GTC    G-UUCGAUCCCCGG---CAACGGCG 72
chr-7.trna169-Asp-GTC     G-UUCGAUCCCUGG---CAACGGCG 72
chr-7.trna183-Asp-GTC     --UUCGAUCCCCGG---CAACGGCG 71
chr-4.trna85-Asp-GTC      G-UUCGAUCCCCGG---CAACGGCG 72
chr-13.trna35-Asp-GTC     G-UUCGAUCCCCGU---CAACGGCG 72
chr-3.trna37-Asp-GTC      G-UUCGAUCCCCGG---CAACGGCG 72
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chr-12.trna144-Asp-GTC    G-UUCGAUCCCCGG---CAACGGCG 72
chr-6.trna115-Asp-GTC     G-UUCGAUCCCCGG---CAACGGCG 72
chr-12.trna143-Asp-GTC    G-UUCGAUCCCCGG---CAACGGCG 72
chr-3.trna2-Asp-GTC       G-UUCGAUCCCCGG---CAACGGCG 72
chr-2.trna216-Asp-GTC     G-UUCGAUCCCCGG---CAACGGCG 72
chr-3.trna49-Asp-GTC      G-UUCGAUCCCCGG---CAACGGCG 72
chr-3.trna51-Asp-GTC      G-UUCGAUCCCCGG---CAACGGCG 72
chr-14.trna148-Asp-GTC    G-UUCGAUCCCCGG---CAACGGCG 72
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chr-3.trna55-Asp-GTC      G-UUCGAUCCCCGG---CAACGGCG 72
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chr-13.trna38-Asp-GTC     G-UUCGAUCCCCGG---CAACGGCG 72
chr-3.trna61-Asp-GTC      G-UUCGAUCCCCGG---CAACGGCG 72
chr-13.trna36-Asp-GTC     G-UUCGAUCCCCGG---CAACGGCG 72
chr-3.trna124-Asp-GTC     G-UUCGAUCCCCGG---CAACGGCG 72
chr-12.trna215-Asp-GTC    G-UUCGAUCCCCGG---CAACGGCG 72
chr-12.trna147-Asp-GTC    G-UUCGAUCCCCGG---CAACGGCG 72
chr-4.trna8-Asp-GTC       G-UUCGAUCCCCGG---CAACGGCG 72
chr-4.trna95-Asp-GTC      G-UUCGAUCCCCGG---CAACGGCG 72
chr-1.trna75-Asp-GTC      G-UUCGAUCCCCGG---CAACGGCG 72
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chr-12.trna124-Asp-GTC    G-UUCGAUCCCCGG---CAACGGCG 72
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chr-4.trna151-Asp-GTC     G-UUCGAUCCCCGG---CAACGGCG 72
chr-4.trna155-Asp-GTC     G-UUCGAUCCCCGG---CAACGGCG 72
chr-4.trna208-Asp-GTC     G-UUCGAUCCCCGG---CAACGGCG 72
chr-12.trna79-Asp-GTC     G-UUCGAUCCCCGG---CAACGGCG 72
chr-12.trna78-Asp-GTC     G-UUCGAUCCCCGG---CAACGGCG 72
chr-4.trna249-Asp-GTC     G-UUCGAUCCCCGG---CAACGGCG 72
chr-5.trna67-Asp-GTC      G-UUCGAUCCCCGG---CAACGGCG 72
chr-5.trna198-Asp-GTC     G-UUCGAUCCCCGG---CAACGGCG 72
chr-5.trna264-Asp-GTC     G-UUCGAUCCCCGG---CAACGGCG 72
chr-11.trna109-Asp-GTC    G-UUCGAUCCCCGG---CAACGGCG 72
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chr-11.trna106-Asp-GTC    G-UUCGAUCCCCGG---CAACGGCG 72
chr-5.trna275-Asp-GTC     G-UUCGAUCCCCGG---CAACGGCG 72
chr-5.trna276-Asp-GTC     G-UUCGAUCCCCGG---CAACGGCG 72
chr-6.trna32-Asp-GTC      G-UUCGAUCCCCGG---CAACGGCG 72
chr-6.trna36-Asp-GTC      G-UUCGAUCCCCGG---CAACGGCG 72
chr-6.trna37-Asp-GTC      G-UUCGAUCCCCGG---CAACGGCG 72
chr-6.trna66-Asp-GTC      G-UUCGAUCCCCGG---CAACGGCG 72
chr-10.trna96-Asp-GTC     G-UUCGAUCCCCGG---CAACGGCG 72
chr-10.trna44-Asp-GTC     G-UUCGAUCCCCGG---CAACGGCG 72
chr-9.trna167-Asp-GTC     G-UUCGAUCCCCGG---CAACGGCG 72
chr-9.trna166-Asp-GTC     G-UUCGAUCCCCGG---CAACGGCG 72
chr-6.trna195-Asp-GTC     G-UUCGAUCCCCGG---CAACGGCG 72
chr-7.trna45-Asp-GTC      G-UUCGAUCCCCGG---CAACGGCG 72
chr-7.trna65-Asp-GTC      G-UUCGAUCCCCGG---CAACGGCG 72
chr-7.trna91-Asp-GTC      G-UUCGAUCCCCGG---CAACGGCG 72
chr-7.trna94-Asp-GTC      G-UUCGAUCCCCGG---CAACGGCG 72
chr-9.trna69-Asp-GTC      G-UUCGAUCCCCGG---CAACGGCG 72
chr-9.trna66-Asp-GTC      G-UUCGAUCCCCGG---CAACGGCG 72
chr-7.trna95-Asp-GTC      G-UUCGAUCCCCGG---CAACGGCG 72
chr-9.trna1-Asp-GTC       G-UUCGAUCCCCGG---CAACGGCG 72
chr-8.trna188-Asp-GTC     G-UUCGAUCCCCGG---CAACGGCG 72
chr-7.trna96-Asp-GTC      G-UUCGAUCCCCGG---CAACGGCG 72
chr-8.trna94-Asp-GTC      G-UUCGAUCCCCGG---CAACGGCG 72
chr-7.trna197-Asp-GTC     G-UUCGAUCCCCGG---CAACGGCG 72
chr-7.trna97-Asp-GTC      G-UUCGAUCCCCGG---CAAUGGCG 72
chr-7.trna156-Asp-GTC     G-UUCGAUCCCCGG---CAACGGCG 72
chr-11.trna208-Asp-GTC    G-UUCGAUCCCCGG---CGACGGCG 72
chr-9.trna133-Asp-GTC     G-UUCGAUCCCCGG---CGACGGCG 72
chr-3.trna50-Asp-GTC      G-UUCGAUCCCCGG---CAACGGCG 72
chr-7.trna50-Asp-GTC      G-UUCGAUCCCCGG---CAACGGCG 72
chr-9.trna132-Asp-GTC     G-UUCGAUCCCCGG---CAACGGCG 72
chr-7.trna93-Asp-GTC      G-UUCGAUCCCCGG---CAACGGCG 72
chr-7.trna33-Asp-GTC      G-UUCGAUCCCCGG---CAACGGUG 72
chr-7.trna36-Asp-GTC      G-UUCGAUCCCCGG---CAACGGUG 72
chr-9.trna95-Asp-GTC      G-UUCGAUCCCCGG---CAACGGCG 72
chr-13.trna148-Asp-GTC    G-UUCGAUCCCCGG---CAAUGGCG 72
chr-11.trna108-Asp-GTC    G-UUCGAUCCCCGG---CAACGGCG 72
chr-6.trna174-Asp-GTC     G-UUUGAUCCCCGG---CAACGGCG 72
chr-7.trna8-Asp-GTC       G-UUCGAUCCCCGG---CAACGGCG 72
chr-8.trna187-Asp-GTC     G-UUCGAUCCCUGG---CAACGGCG 72
chr-9.trna86-Asp-GTC      G-UUCGAUCCCCGG---CAACGGCG 72
chr-4.trna61-Asp-GTC      G-UUCGAUCCCCGG---CAACGGCG 72
chr-4.trna135-Asp-GTC     G-UUCGAUCCCCGG---CAACGGCG 72
chr-7.trna92-Asp-GTC      G-UUCGAUCCCAGG---CAACGGCG 72
chr-15.trna128-Asp-GTC    G-UUCGAUCCCCGG---AAACGGCG 72
chr-9.trna156-Asp-GTC     G-UUUGAUCCCCGG---CAAUGGUG 72
chr-6.trna173-Asp-GTC     G-UUUGAUCCCCGG---CAACGGCG 72
chr-6.trna164-Asp-GTC     G-UUCGAUCCCCGG---CAACGGCG 72
chr-4.trna235-Asp-GTC     G-UUCGAUCCUCGG---CAACGGCG 72
chr-6.trna159-Asp-GTC     G-UUCAAUCCCCGG---CAACGGCG 72
chr-11.trna44-Asp-GTC     G-UUCGAUCCCCGG---CAACGGCA 72
chr-6.trna55-Asp-GTC      G-UUCGAUCCCCGG---CAACGGCG 72
chr-11.trna43-Asp-GTC     G-UUUGAUCCCCGG---CAACGGCG 72
chr-11.trna22-Asp-GTC     G-UUCGGUCCCCGG---CAACGGCG 72
chr-6.trna95-Asp-GTC      G-UUCGAACCCCGG---CAACGACG 72
chr-11.trna143-Asp-GTC    GGUUCGAUCCCCGG---CAACGGCG 73
chr-13.trna37-Asp-GTC     G-UUCGAUCCUCGG---CAAUGGUA 72
chr-6.trna161-Asp-GTC     G-UUCGAUUCCCGA---CAACGGUG 72
chr-6.trna165-Asp-GTC     G-UUUGAUGCUCGG---CAACGGCG 72
chr-6.trna166-Asp-GTC     G-UUCGAUCCCGA---CAACGUCG 72
chr-6.trna160-Asp-GTC     G-UUCGAUACCCGA---CAACAUCG 72
chr-6.trna171-Asp-GTC     G-UUCGAACCCCGG---CAACGACG 72
chr-6.trna170-Asp-GTC     G-UUUGAUCCCCGG---CAACGCCG 72
chr-6.trna67-Asp-GTC      G---UGAACCCGGG---CAACGGCG 70
chr-7.trna9-Asp-GTC       G-UUCGAUCC---G---CAACGGCG 69
chr-9.trna44-Asp-GTC      G-UUCGUUCCCUGG---CAACAACG 72
chr-10.trna100-Asp-GTC    G-UUCGAUCCCCGG---CAACGGUG 74
chr-3.trna155-Asp-GTC     G-UUUGAUCCCCGG---CAACGGCG 76
chr-6.trna167-Asp-GTC     G-UUUGAUACCCGA---CAACAACG 71
chr-12.trna81-Asp-GTC     G-UUCGAUCCCCGGCAAUGGCGAGA 76
chr-12.trna82-Asp-GTC     G-UUCGAUCCCCGG---CAACGGCG 81
chr-4.trna227-Asp-GTC     G-UUCGAUCCCCGG---CAACGGCG 80
chr-10.trna113-Asp-GTC    GGUUCGAUUCCCGG---CUGGUGCA 77
chr-12.trna48-Asp-GTC     GGUUCGAUUCCCGG---CUGGUGCA 71
chr-6.trna35-Asp-GTC      G-UUCGUUCCCCGGCAACGGCGCCA 72
chr-10.trna173-Asp-GTC    GGUUCGAGUCCCGAC--GGAUCCUG 75
                          .........70........80....
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