```
                                                  ((((((.(((((((.(((((((.....))))).).)))))))))).....(((((.....
chr-05.trna25-Val-TAC    GUUGGU-GUGGUGUAGUGGUUAUCACGUUAGUCUUACACACUAAAGGU-CCCCAGUUCAA 58
chr-05.trna29-Val-TAC    GUUGGU-GUGGUGUAGUGGUUAUCACGUUAGUCUUACACACUAAAGGU-CCCCAGUUCAA 58
chr-05.trna32-Val-TAC    GUUGGU-GUGGUGUAGUGGUUAUCACGUUAGUCUUACACACUAAAGGU-CCCCAGUUCAA 58
chr-05.trna33-Val-TAC    GUUGGU-GUGGUGUAGUGGUUAUCACGUUAGUCUUACACACUAAAGGU-CCCCAGUUCAA 58
chr-05.trna36-Val-TAC    GUUGGU-GUGGUGUAGUGGUUAUCACGUUAGUCUUACACACUAAAGGU-CCCCAGUUCAA 58
chr-05.trna38-Val-TAC    GUUGGU-GUGGUGUAGUGGUUAUCACGUUAGUCUUACACACUAAAGGU-CCCCAGUUCAA 58
chr-05.trna39-Val-TAC    GUUGGU-GUGGUGUAGUGGUUAUCACGUUAGUCUUACACACUAAAGGU-CCCCAGUUCAA 58
chr-05.trna40-Val-TAC    GUUGGU-GUGGUGUAGUGGUUAUCACGUUAGUCUUACACACUAAAGGU-CCCCAGUUCAA 58
chr-13.trna145-Val-TAC   GUUGCU-GUGGUGUAGUGGUUAUCACGUUAGUCUUACACACUAAAGGU-CCCCAGUUCGA 58
chr-07.trna22-Val-TAC    GUUGCU-GUGGUGUAGUGGUUAUCACGUUAGUCUUACACACUAAAGGU-CCCCAGUUCGA 58
chr-05.trna24-Val-TAC    GUUGGU-GCGGUGUAGUGGUUAUCACGUUAGUCUUACACACUAAAGGU-CCCCAGUUCAA 58
chr-05.trna26-Val-TAC    GUUGGU-GUGGUGUAGUGGUUAUCACGUUAGUCUUACACACUAAAGGU-UCCCAGUUCAA 58
chr-07.trna20-Val-TAC    GUUGCU-GUGGUGUAGUGGUUAUCACAUUAGUCUUACACACUAAAGGU-CUCCAGUUCGA 58
chr-07.trna21-Val-TAC    GUUGCU-GUGGUGUAGUGGUUAUCACAUUAGUCUUACACACUAAAGGU-CUCCAGUUCGA 58
chr-12.trna115-Val-TAC   GUUGCU-GUGGUGUAGUGGUUAUCACGUUAGUCUUACACACUAAAGGU-CCCCAGUUCGA 58
chr-10.trna50-Val-TAC    GUUGGU-GUGGUGUAGUGGUUAUCACGUUAGUCUUACACACUAAAGGU-CCCCAAUUCGA 58
chr-08.trna112-Val-TAC   GUUGCU-GUGGUGUAGUGGUUAUCACGUCAGUCUUACACACUGAAGGU-CCUCAGUUCAA 58
chr-01.trna130-Val-TAC   GUUGGU-GUGGUGUAGUGGUUAUCACGUCAGUCUUACACACUGAAGGU-CCCCAGUUCGA 58
chr-14.trna59-Val-TAC    GUUGCU-GUGGUGUAGUGGUUAUCACGUCAGUCUUACACACUGAAGGU-CCCCAGUUCGA 58
chr-06.trna51-Val-TAC    GUUGCC-GUGGUGUAGUGGUUAUCACGUCAGUCUUACACACUGAAGGU-CCCCAGUUCGA 58
chr-03.trna32-Val-TAC    GUUGCU-GUGGUGUAGUGGUUAUCACGUCAGUCUUACACACUGAAGGU-CCCCAGUUCGA 58
chr-07.trna123-Val-TAC   GUUGCU-GUGGUGUAGUGGUUAUCACGUCAGUCUUACACACUGAAGGU-CCCCAGUUCGA 58
chr-03.trna172-Val-TAC   GUUGCU-GUGGUGUAGUGGUUAUCAUGUCAGUCUUACACACUGAAGGU-CCCCAGUUCGA 58
chr-10.trna51-Val-TAC    GUUGGU-GUGGCGUAGUGGUUAUCACGUUAGUCUUACACACUAAAGGU-CCCCAGUUCGA 58
chr-09.trna26-Val-TAC    GUUGCU-GUGGUGUAGUGGUUAUGACGUCAGUCUUACACACUGAAGGU-CCCCAGUUCGA 58
chr-09.trna25-Val-TAC    GUUGCU-GUGGUGUAGUGGUUAUCACGUCAGUCUUACACACUUAAGGU-CCCCAGUUCGA 58
chr-04.trna198-Val-TAC   GUUGGU-GUGGUGUAGUGGUUAUCACGUCAGUCUUACAAACUGAAGGU-CCCCAGUUCAA 58
chr-10.trna52-Val-TAC    GUUGGU-GUGGUGUAGUGGUUAUCACAUUAGUCUUACACACUAAAGGU-CCCCAGUUCAA 58
chr-05.trna22-Val-TAC    GUUGGU-GUGGUGUAGUGGUUAUCACAUUAGUCUUACACACUAAAGGU-CCCCAGUUCAA 58
chr-05.trna43-Val-TAC    GUUAGU-GUGGUGUAGUGGUUAUCACGUUAGUCUUACACACUAAAGGU-CCUCAGUUCAA 58
chr-05.trna35-Val-TAC    GUUGGG-GUGGUGUAGUGGUUAUCACGUUAGUCUUACACACUAAAGGU-CCCUAGUUCAA 58
chr-15.trna79-Val-TAC    GAUGCU-GUGGUGUAGUGGUUAUCACAUUAGUCUUACGCACUAAAGGU-CCCCAGUUCAA 58
chr-05.trna23-Val-TAC    GUUGGU-GUGGUGUAGUGGUUAUCACGUUAGUCUUACACACUAAAGGU-CCCUAGUUCAA 58
chr-05.trna41-Val-TAC    GUUGGU-GUGGUGUAGUGGUUAUCACGUUAGUAUUACACACUAAAGGU-CCCUAGUUCAA 58
chr-05.trna27-Val-TAC    GUUGGU-GUGGUGUAGUGGUUAUCACGUUAGUAUUACACACUAAAGGU-CCCUAGUUCAA 58
chr-05.trna30-Val-TAC    GUUGGU-GUGGUGUAGUGGUUAUCACGUUAGUAUUACACACUAAAGGU-CCCUAGUUCAA 58
chr-15.trna22-Val-TAC    GUUAGU-GUAGUGUAGUGGUUAUCAUGUUAGUCUUACACACUAAAGGUCCCCCAAUUUAA 59
chr-06.trna52-Val-TAC    GUUGCU-GUGGUGUAGUGGUUAUCACGUCAGUCUUACACACUAAAGGU--CCCUAUUCGA 57
chr-05.trna37-Val-TAC    GUUGGU-GUGGUGUAGUGGUUAUCACGUUAGUAUUACACACUAAAGGU-CCCUAGUUCAA 58
chr-05.trna34-Val-TAC    GUUGGU-GUGGUUUAGUGGUUAUCACGUUAGUCUUACACACUAAAGGU--CCCAGUUCAA 57
chr-01.trna49-Val-TAC    AUUAGA-GUGGCGCAGUAG-AAGUGUGGUGGGCCUACAACCCAUAGGU-CCUAGGAUCAA 57
chr-07.trna49-Val-TAC    GGUUGUUGUGGUGUAGUGGUUAUCAUGUUAGUUUUACACACUAAAGGUCCUCAGUUCGGA 60
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                         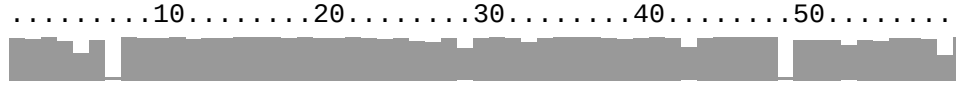

                         ..............)))))))).).)).
chr-05.trna25-Val-TAC    -------------UCCUGGGCAUC-A-ACA 73
chr-05.trna29-Val-TAC    -------------UCCUGGGCAUC-A-ACA 73
chr-05.trna32-Val-TAC    -------------UCCUGGGCAUC-A-ACA 73
chr-05.trna33-Val-TAC    -------------UCCUGGGCAUC-A-ACA 73
chr-05.trna36-Val-TAC    -------------UCCUGGGCAUC-A-ACA 73
chr-05.trna38-Val-TAC    -------------UCCUGGGCAUC-A-ACA 73
chr-05.trna39-Val-TAC    -------------UCCUGGGCAUC-A-ACA 73
chr-05.trna40-Val-TAC    -------------UCCUGGGCAUC-A-ACA 73
chr-13.trna145-Val-TAC   -------------UCCUGGGCAGC-A-ACA 73
chr-07.trna22-Val-TAC    -------------UCCUGGGCAGC-A-ACA 73
chr-05.trna24-Val-TAC    -------------UCCUGGGCAUC-A-ACA 73
chr-05.trna26-Val-TAC    -------------UCCUGGGCAUC-A-ACA 73
chr-07.trna20-Val-TAC    -------------UCCUGGGCAGU-A-ACA 73
chr-07.trna21-Val-TAC    -------------UCCUGGGCAGC-A-ACA 73
chr-12.trna115-Val-TAC   -------------UCCUGGGCUGC-A-ACA 73
chr-10.trna50-Val-TAC    -------------UCCUGGGCAUC-A-ACA 73
chr-08.trna112-Val-TAC   -------------UCCUGAGCAGC-A-ACA 73
chr-01.trna130-Val-TAC   -------------UCCUGGGCAUC-A-ACA 73
chr-14.trna59-Val-TAC    -------------UCCUGGGCAGC-A-ACA 73
chr-06.trna51-Val-TAC    -------------UCCUGGGCGGC-A-ACA 73
chr-03.trna32-Val-TAC    -------------UCCUGGGCAGC-A-ACA 73
chr-07.trna123-Val-TAC   -------------UCCUGGGCAGC-A-ACA 73
chr-03.trna172-Val-TAC   -------------UCCUGGGCAGC-A-ACA 73
chr-10.trna51-Val-TAC    -------------UCCUGGGCAUC-A-ACA 73
chr-09.trna26-Val-TAC    -------------UCCUGGGCAGC-A-ACA 73
chr-09.trna25-Val-TAC    -------------UCCUGGGCAGC-A-ACA 73
chr-04.trna198-Val-TAC   -------------UCUUGGGCAUC-A-ACA 73
chr-10.trna52-Val-TAC    -------------UCCUGGGCAUC-A-ACA 73
chr-05.trna22-Val-TAC    -------------UCCUGGGCAUC-A-ACA 73
chr-05.trna43-Val-TAC    -------------UCCUGGGCAUC-A-ACA 73
chr-05.trna35-Val-TAC    -------------UCCUGGGCAUC-A-ACA 73
chr-15.trna79-Val-TAC    -------------UCCUGAGCAGC-C-UCA 73
chr-05.trna23-Val-TAC    -------------UCCUG-GCAUC-A-ACA 72
chr-05.trna41-Val-TAC    -------------UCCUG-GCAUC-A-ACA 72
chr-05.trna27-Val-TAC    -------------UCCUG-GCAUC-A-ACA 72
chr-05.trna30-Val-TAC    -------------UCCUG-GCAUC-A-ACA 72
chr-15.trna22-Val-TAC    -------------UCCUGGGCAUU-A-ACA 74
chr-06.trna52-Val-TAC    -------------UCCUGGGAAGU-A-ACA 72
chr-05.trna37-Val-TAC    -------------UCCUGG--AUC-A-ACA 71
chr-05.trna34-Val-TAC    -------------UCCUGGGCAUC-ACACA 73
chr-01.trna49-Val-TAC    -------------AACCUCACUUU-G-AUA 72
chr-07.trna49-Val-TAC    AAGAUUACUUUUUUGGCUGAUGCAAAAUCU 90
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