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                          ((((((((((((.(((((.....((....)))))))))))))).........((((.....
chr-2.trna178-Val-GAC     GUCAGGAUAGCUCAGUUGGU-AGAGCAGAGGACUGACAAUCCUCGUGUC-ACCAGUUCAA 58
chr-2.trna41-Val-GAC      AGGGAUAUAACUCAGC-GGU-AGAGUGUCACCUUGACGUGGUGGAAGUC-UUCAGUUCGA 57
chr-4.trna83-Val-AAC      GAUUUCGUGGUGUAGUUGGUUAUCACGCCAGUCUAACACACUGAAGGUC-UCCGGUUCGA 59
chr-4.trna94-Val-AAC      GAUUUCGUGGUGUAGUUGGUUAUCACGCCAGUCUAACACACUGAAGGUC-UCCGGUUCGA 59
chr-1.trna141-Val-AAC     GAUUUCGUGGUGUAGUUGGUUAUCACAUCAGUCUAACACACUGAAAGUC-UCCGGUUCAA 59
chr-1.trna68-Val-CAC      GUCUGCGUGGUGUAGUUGGUUAUCACGUUAGUCUCACACACUAAAGGUC-CCCAGUUCGA 59
chr-1.trna132-Val-CAC     GUCUGGGUGGUGUAGUUGGUUAUCACGUUAGUCUCACACACUAAAGGUC-CCCAGUUCGA 59
chr-2.trna13-Val-CAC      GUCUGGGUGGUGUAGUUGGUUAUCACGUUAGUCUCACACACUAAAGGUC-CCCAGUUCGA 59
chr-2.trna189-Val-CAC     GUCUGGGUGGUGUAGUUGGUUAUCACGUUAGUCUCACACACUAAAGGUC-CCCAGUUCGA 59
chr-6.trna100-Val-CAC     GUCUGGGUGGUGUAGUUGGUUAUCACGUUAGUCUCACACACUAAAGGUC-CCCAGUUCGA 59
chr-3.trna81-Val-CAC      GUCUGGGUGGUGUAGUUGGUUAUCACGUUAGUCUCACACACUAAAGGUC-CCCAGUUCGA 59
chr-3.trna100-Val-CAC     GUCUGGGUGGUGUAGUUGGUUAUCACGUUAGUCUCACACACUAAAGGUC-CCCAGUUCGA 59
chr-6.trna76-Val-CAC      GUCUGGGUGGUGUAGUUGGUUAUCACGUUAGUCUCACACACUAAAGGUC-CCCAGUUCGA 59
chr-4.trna58-Val-CAC      GUCUGGGUGGUGUAGUUGGUUAUCACGUUAGUCUCACACACUAAAGGUC-CCCAGUUCGA 59
chr-4.trna59-Val-CAC      GUCUGGGUGGUGUAGUUGGUUAUCACGUUAGUCUCACACACUAAAGGUC-CCCAGUUCGA 59
chr-4.trna8-Val-TAC       GGUGCUGUGGUGUAGUCGGUCAUCACGUUAGUCUUACACACUAAAGGUC-CCCAGUUCGA 59
chr-1.trna42-Val-AAC      GAUUCCGUGGUGUAGUUGGUUAUCACGUCAGUCUAACACACUGAAGGUC-UCCGGUUCGA 59
chr-2.trna38-Val-AAC      GAUUCCGUGGUGUAGUUGGUUAUCACAUGUCAGUCUAACACACUGAAGGUC-UCCGGUUCGA 59
chr-1.trna134-Val-AAC     GAUUUCGUGGUGUAGUUGGUUAUCACGUCAGUCUAACACACUGAAGGUC-UCCAGUUCGA 59
chr-1.trna48-Val-AAC      GGUGUCGUGGUGUAGUUGGUUAUCACGUCAGUCUAACACACUGAAGGUC-UCCGGUUCGA 59
chr-1.trna133-Val-AAC     GAUUUCGUGGUGUAGUUGGUUAUCACGUCAGUCUAACACACUGAAGGUC-UCCGGUUCGA 59
chr-7.trna58-Val-AAC      GGUGUCGUGGUGUAGUUGGUUAUCACGUCAGUCUAACACACUGAAGGUC-UCCGGUUCGA 59
chr-2.trna167-Val-AAC     GGUGUCGUGGUGUAGUUGGUUAUCACGUCAGUCUAACACACUGAAGGUC-UCCGGUUCGA 59
chr-4.trna95-Val-AAC      GAUUUCGUGGUGUAGUUGGUUAUCACGUCAGUCUAACACACUGAAGGUC-UCCGGUUCGA 59
chr-6.trna52-Val-AAC      GAUUUCGUGGUGUAGUUGGUUAUCACGUCAGUCUAACACACUGAAGGUC-UCCGGUUCGA 59
chr-4.trna93-Val-AAC      GAUUUCGUGGUGUAGUUGGUUAUCACGUCAGUCUAACACACUGAAGGUC-UCCGGUUCGA 59
chr-4.trna90-Val-AAC      GAUUUCGUGGUGUAGUUGGUUAUCACGUCAGUCUAACACACUGAAGGUC-UCCGGUUCGA 59
chr-4.trna98-Val-AAC      GAUUUCGUGGUGUAGUUGGUUAUCACGUCAGUCUAACACACUGAAGGUC-UCCGGUUCGA 59
chr-2.trna3-Val-AAC       GGUUUCGUGGUGUAGUUGGUUAUCACGUCAGUCUAACACACUGAAGGUC-UCCGGUUCGA 59
chr-2.trna126-Val-AAC     GGUUUCGUGGUGUAGUUGGUUAUCACGUCAGUCUAACACACUGAAGGUC-UCCGGUUCGA 59
chr-4.trna84-Val-AAC      GGUUUCGUGGUGUAGUUGGUUAUCACGUCAGUCUAACACACUGAAGGUC-UCCGGUUCGA 59
chr-5.trna25-Val-AAC      GGUUUCGUGGUGUAGUUGGUUAUCACGUCAGUCUAACACACUGAAGGUC-UCCGGUUCGA 59
chr-3.trna65-Val-AAC      GGUGUCGUGGUGUAGUUGGUUAUCACGUCAGUCUAACACACUGAAGGUC-UCCGGUUCGA 59
chr-6.trna13-Val-AAC      GGUUUCGUGGUGUAGUUGGUUAUCACGUCAGUCUAACACACUGAAGGUC-CCCGGUUCGA 59
chr-2.trna1-Val-AAC       GAUUUUGUGGUGUAGUUGGUUGUCACGGCAGUCUAACACAAUGAAGAUC-UCCGGUUCGA 59
chr-2.trna121-Val-AAC     GAUUUCAUGGUGUAGUUGGUUAUCACGUCAGUCGAACACACUGAAGGUC-UCCAGUUCGA 59
chr-4.trna99-Val-CAC      GAUUUCGUGGUGUAGUUGGUUAUCAUGUCAGUCUCACACACUGAAUGUC-UCCGGUUUGA 59
chr-1.trna69-Val-CAC      GUCUAGGUGGUGUAGUUGGUUAUCACGUUAGUCUCACACACUAAAGGUC-CCCAGUUCGA 59
chr-6.trna16-Val-CAC      GUCUGGGUCGUGUAGUUGGUUAUCACGUUGGUCUCACACCCUAAAGGUC-CCCAGUUUGA 59
chr-1.trna90-Val-TAC      GUUGCUGUGGUGUAGU-GGUUAUCACGUCAGUCUUACACACUGAAGGUC-UCCAGUUCGA 58
chr-3.trna71-Val-TAC      GUUGCUGUGGUGUAGU-GGUUAUCACGUCAGUCUUACACACUGAAGGUC-UCCAGUUCGA 58
chr-6.trna81-Val-TAC      GUUGCCGUGGUGUAGU-GGUUAUCACGUCAGUCUUACACACUGAAGGUC-UCCAGUUCGA 58
chr-6.trna99-Val-CAC      GUUUGGGUGGUGUAAUUGGUUAUUAUGCUAGUCUCACACACUAAAGGUCUCCGGAUCGA 60
                          .........10........20........30........40........50.........

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chr-2.trna178-Val-GAC     AUAUGGUUCCUGGCA 73
chr-2.trna41-Val-GAC      GCCUGAUUAUCCCUA 72
chr-4.trna83-Val-AAC      GUCUGGGCGAAAUCA 74
chr-4.trna94-Val-AAC      GUCCGGGCGGUAUCA 74
chr-1.trna141-Val-AAC     GUCCAGGCGAAAUCA 74
chr-1.trna68-Val-CAC      ACCUGGGCUCAGACA 74
chr-1.trna132-Val-CAC     ACCUGGGCUCAGACA 74
chr-2.trna13-Val-CAC      ACCUGGGCUCAGACA 74
chr-2.trna189-Val-CAC     ACCUGGGCUCAGACA 74
chr-6.trna100-Val-CAC     ACCUGGGCUCAGACA 74
chr-3.trna81-Val-CAC      ACCUGGGCUCAGACA 74
chr-3.trna100-Val-CAC     ACCUGGGCUCAGACA 74
chr-6.trna76-Val-CAC      ACCUGGGCUCAGACA 74
chr-4.trna58-Val-CAC      ACCUGGGCUCAGACA 74
chr-4.trna59-Val-CAC      ACCUGGGCUCAGACA 74
chr-4.trna8-Val-TAC       GCCUGGGCAGCACCA 74
chr-1.trna42-Val-AAC      GUCCGGGCGAAAUCA 74
chr-2.trna38-Val-AAC      GUCCGGGCGAAAUCA 74
chr-1.trna134-Val-AAC     GUCCGGGCGAAAUCA 74
chr-1.trna48-Val-AAC      GUCCGGGCGACGCCA 74
chr-1.trna133-Val-AAC     GUCCGGGCGAAAUCA 74
chr-7.trna58-Val-AAC      GUCCGGGCGACGCCA 74
chr-2.trna167-Val-AAC     GUCCGGGCGACGCCA 74
chr-4.trna95-Val-AAC      GUCCGGGCGAAAUCA 74
chr-6.trna52-Val-AAC      GUCCGGGCGAAAUCA 74
chr-4.trna93-Val-AAC      GUCCGGGCGAAAUCA 74
chr-4.trna90-Val-AAC      GUCCGGGCGAAAUCA 74
chr-4.trna98-Val-AAC      GUCCGGGUGAAAUCA 74
chr-2.trna3-Val-AAC       ACCCGGGCGAAGCCA 74
chr-2.trna126-Val-AAC     ACCCGGGCGAAGCCA 74
chr-4.trna84-Val-AAC      ACCCGGGCGAAGCCA 74
chr-5.trna25-Val-AAC      ACCCGGGCGAAGCCA 74
chr-3.trna65-Val-AAC      ACCCGGGCGACGCCA 74
chr-6.trna13-Val-AAC      GCCCGGGCGAAACCA 74
chr-2.trna1-Val-AAC       GUCCGGGCGAAAUCA 74
chr-2.trna121-Val-AAC     GUCCGGGCGAAAUCA 74
chr-4.trna99-Val-CAC      GUCCGGGUGAAAUCA 74
chr-1.trna69-Val-CAC      ACCUGGGCUCAGACA 74
chr-6.trna16-Val-CAC      ACCUGGGCUCAGACA 74
chr-1.trna90-Val-TAC      UCCUGGGCAGCAACA 73
chr-3.trna71-Val-TAC      UCCUGGGCAGCAACA 73
chr-6.trna81-Val-TAC      UCCUGGGCGGCAACA 73
chr-6.trna99-Val-CAC      ACCUGGGCUCAGACA 75
                          .........70....
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