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                                 ((((((((((((.((.((.....((....)))).)))))))).......((((......
chr-3.trna47-Val-AAC     GUUUUCGUGGUGUAGUUGGUUAUCACGUCAGUCUAACACACUGAAGGUCUCCGGUU--CG 58
chr-5.trna3-Val-AAC      GGUUUCGUGGUGUAGUUGGUUAUCACGUCAGUCUAACACACUGAAGGUCUCCGGUU--CG 58
chr-1.trna124-Val-AAC    GGUUUCGUGGUGUAGUUGGUUAUCACGUCAGUCUAACACACUGAAGGUCUCCGGUU--CG 58
chr-9.trna27-Val-AAC     GGUUUCGUGGUGUAGUUGGUUAUCACGUCAGUCUAACACACUGAAGGUCUCCGGUU--CG 58
chr-4.trna110-Val-AAC    GGUUUCGUGGUGUAGUUGGUUAUCACGUCAGUCUAACACACUGAAGGUCUCCGGUU--CG 58
chr-4.trna12-Val-AAC     GGUUUCGUGGUGUAGUUGGUUAUCACGUCAGUCUAACACACUGAAGGUCUCCGGUU--CG 58
chr-1.trna135-Val-AAC    GGUUUCGUGGUGUAGUUGGUUAUCACGUCAGUCUAACACACUGAAGGUCUCCGGUU--CG 58
chr-5.trna2-Val-AAC      GGUUUCGUGGUGUAGUUGGUUAUCACGUCAGUCUAACACACUGAAGGUCUCCGGUU--CG 58
chr-10.trna113-Val-AAC   GGUUUCGUGGUGUAGUUGGUUAUCACGUCAGUCUAACACACUGAAGGUCUCCGGUU--CG 58
chr-1.trna205-Val-AAC    GGUGUCGUGGUGUAGUUGGUUAUCACGUCAGUCUAACACACUGAAGGUCUCCGGUU--CG 58
chr-10.trna81-Val-AAC    GGUGUCGUGGUGUAGUUGGUUAUCACGUCAGUCUAACACACUGAAGGUCUCCGGUU--CG 58
chr-9.trna28-Val-AAC     GGUUUCGUGGUGUAGUUGGUUAUCACGUCAGUCUAACACACUGAAGGUCUCCGGUU--UG 58
chr-1.trna76-Val-AAC     GUUUUCGUGGUGUAGUUGGUUAUCACGUCAGUCUAACACACUGAAGGUCUCCGGUU--CG 58
chr-1.trna100-Val-AAC    GGUGUCGUGGUGUAGUUGGUUAUCACGUCAGUCUAACACACUGAAGGUCUCCGGUU--CG 58
chr-1.trna75-Val-AAC     GUUUUCGUGGUGUAGUUGGUUAUCACGUCAGUCUAACACACUGAAGGUCUCCGGUU--CG 58
chr-1.trna139-Val-AAC    GGUGUCGUGGUGUAGUUGGUUAUCACGUCAGUCUAACACACUGAAGGUCUCCGGUU--CG 58
chr-2.trna218-Val-AAC    GGUUUCGUGGUGUAGUUGGUUAUCACGUCAGUCUAACACACUGAAGGUCUCCGGUU--CG 58
chr-2.trna55-Val-AAC     GUUUUCGUGGUGUAGUUGGUUAUCACGUCAGUCUAACACACUGAAGGUCUCCGGUU--CA 58
chr-2.trna56-Val-AAC     GUUUUCGUGGUGUAGUUGGUUAUCACGUCAGUCUAACACACUGAAGGUCUUCGGUU--CA 58
chr-1.trna116-Val-CAC    GUCUGGGUGGUGUAGUUGGUUAUCACGUUAGUCUCACACACUAAAGGUCCCCAGUU--CG 58
chr-2.trna18-Val-CAC     GUCUGGGUGGUGUAGUUGGUUAUCACGUUAGUCUCACACACUAAAGGUCCCCAGUU--CG 58
chr-2.trna28-Val-CAC     GUCUGGGUGGUGUAGUUGGUUAUCACGUUAGUCUCACACACUAAAGGUCCCCAGUU--CG 58
chr-10.trna138-Val-CAC   GUCUGGGUGGUGUAGUUGGUUAUCACGUUAGUCUCACACACUAAAGGUCCCCAGUU--CG 58
chr-10.trna133-Val-CAC   GUCUGGGUGGUGUAGUUGGUUAUCACGUUAGUCUCACACACUAAAGGUCCCCAGUU--CG 58
chr-2.trna119-Val-CAC    GUCUGGGUGGUGUAGUUGGUUAUCACGUUAGUCUCACACACUAAAGGUCCCCAGUU--CG 58
chr-10.trna82-Val-CAC    GUCUGGGUGGUGUAGUUGGUUAUCACGUUAGUCUCACACACUAAAGGUCCCCAGUU--CG 58
chr-3.trna121-Val-CAC    GUCUGGGUGGUGUAGUUGGUUAUCACGUUAGUCUCACACACUAAAGGUCCCCAGUU--CG 58
chr-10.trna70-Val-CAC    GUCUGGGUGGUGUAGUUGGUUAUCACGUUAGUCUCACACACUAAAGGUCCCCAGUU--CG 58
chr-4.trna182-Val-CAC    GUCUGGGUGGUGUAGUUGGUUAUCACGUUAGUCUCACACACUAAAGGUCCCCAGUU--CG 58
chr-4.trna187-Val-CAC    GUCUGGGUGGUGUAGUUGGUUAUCACGUUAGUCUCACACACUAAAGGUCCCCAGUU--CG 58
chr-2.trna275-Val-CAC    GUUUGGGUGGUGUAGUUGGUUAUCACGUUAGUCUCACACACUAAAGGUCCCCAGUU--CG 58
chr-1.trna77-Val-CAC     GUCUGGGUGGUGUAGUUGGUUAUCACGUUAGUCUCACACACUAAAGGUCCCCAGUU--UG 58
chr-2.trna210-Val-CAC    GUCUGGGUGGUGUAGCUGGUUAUCACGUUAGUCUCACACACUAAAGGUCCCCAGUU--CG 58
chr-2.trna77-Val-AAC     GUUUUCGUGGUGUAGUUGGUUAUCACGUCAGUCUAACACACUGAAGGUCUCCGGUCCGCG 60
chr-8.trna2-Val-TAC      GUUGCUGUGGUGUAG-UGGUUAUCACGUCAGUCUUACACACUGAAGGUCUCCAGUU--CG 57
chr-6.trna72-Val-TAC     GUUGCUGUGGUGUAG-UGGUUAUCACGUCAGUCUUACACACUGAAGGUCUCCAGUU--CG 57
chr-8.trna139-Val-TAC    GUUGCUGUGGUGUAG-UGGUUAUCACGUCAGUCUUACACACUGAAGGUCUCCAGUU--CG 57
chr-2.trna21-Val-TAC     GUUGCUGUGGUGUAG-UGGUUAUCACGUCAGUCUUACACACUGAAGGUCUCCAGUU--CG 57
chr-3.trna135-Val-TAC    GUUGCCGUGGUGUAG-UGGUUAUCACGUCAGUCUUACACACUGAAGGUCUCCAGUU--CG 57
chr-9.trna44-Val-TAC     CCUUGGGUGAUGUAGUUGAUCAUCAUGUUAGUCUUACGCACUAAAGGUCCCCAGUU--UG 58
chr-8.trna59-Val-GAC     AGGGAUAUAACUCAGUGG--UAGAGUGUCACCUUGACGUGGUGGAAGUCAUCAGUU--UG 56
                         .........10........20........30........40........50.........
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                         ...)))))))))))).
chr-3.trna47-Val-AAC     AAUCCGGGCGAAAACA 74
chr-5.trna3-Val-AAC      AACCCGGGCGAAGCCA 74
chr-1.trna124-Val-AAC    AACCCGGGCGAAGCCA 74
chr-9.trna27-Val-AAC     AACCCGGGCGAAGCCA 74
chr-4.trna110-Val-AAC    AACCCGGGCGAAGCCA 74
chr-4.trna12-Val-AAC     AACCCGGGCGAAGCCA 74
chr-1.trna135-Val-AAC    AACCCGGGCGAAGCCA 74
chr-5.trna2-Val-AAC      AACCCGGGCGAAGCCA 74
chr-10.trna113-Val-AAC   AACCCGGGCGAAGCCA 74
chr-1.trna205-Val-AAC    AACCCGGGCGACGCCA 74
chr-10.trna81-Val-AAC    AACCCGGGCGACGCCA 74
chr-9.trna28-Val-AAC     AACCCGGGCGAAGCCA 74
chr-1.trna76-Val-AAC     AGUCCGGGCGAAAACA 74
chr-1.trna100-Val-AAC    AGUCCGGGCGACGCCA 74
chr-1.trna75-Val-AAC     AGUCCGGGCGAAAACA 74
chr-1.trna139-Val-AAC    AGUCCGGGCGACGCCA 74
chr-2.trna218-Val-AAC    AGUCCGGGCGAAGCCA 74
chr-2.trna55-Val-AAC     AGUCCGGGCGAAAACA 74
chr-2.trna56-Val-AAC     AGUCCGGGCGAAAACA 74
chr-1.trna116-Val-CAC    AACCUGGGCUCAGACA 74
chr-2.trna18-Val-CAC     AACCUGGGCUCAGACA 74
chr-2.trna28-Val-CAC     AACCUGGGCUCAGACA 74
chr-10.trna138-Val-CAC   AACCUGGGCUCAGACA 74
chr-10.trna133-Val-CAC   AACCUGGGCUCAGACA 74
chr-2.trna119-Val-CAC    AACCUGGGCUCAGACA 74
chr-10.trna82-Val-CAC    AACCUGGGCUCAGACA 74
chr-3.trna121-Val-CAC    AACCUGGGCUCAGACA 74
chr-10.trna70-Val-CAC    AACCUGGGCUCAGACA 74
chr-4.trna182-Val-CAC    AACCUGGGCUCAGACA 74
chr-4.trna187-Val-CAC    AACCUGGGCUCAGACA 74
chr-2.trna275-Val-CAC    AACCUGGGCUCAGACA 74
chr-1.trna77-Val-CAC     AACCUGGGCUCAGACA 74
chr-2.trna210-Val-CAC    AACCUGGGCUCAGACA 74
chr-2.trna77-Val-AAC     AGUCCGGGCGAAAACA 76
chr-8.trna2-Val-TAC      AUCCUGGGCAGCAACA 73
chr-6.trna72-Val-TAC     AUCCUGGGCAGCAACA 73
chr-8.trna139-Val-TAC    AUCCUGGGCAGCAACA 73
chr-2.trna21-Val-TAC     AUCCUGGGCAGCAACA 73
chr-3.trna135-Val-TAC    AUCCUGGGCGGCAACA 73
chr-9.trna44-Val-TAC     AACCUGGGCUCGAAUA 74
chr-8.trna59-Val-GAC     AGCCUGAUUAUCCCUA 72
                         .........70.....
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