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                         ((((((((((((.((.((.....((....)))).)))))))).....(((((.....
chr-1.trna44-Val-CAC     GUCUGGGGUGGUGUAGUUGGUUAUCACGUUAGUCUCACACACUAAAGGUCCCCAGUUCGAA 60
chr-4.trna40-Val-CAC     GUCUGGGGUGGUGUAGUUGGUUAUCACGUUAGUCUCACACACUAAAGGUCCCCAGUUCGAA 60
chr-8.trna26-Val-CAC     GUCUGGGGUGGUGUAGUUGGUUAUCACGUUAGUCUCACACACUAAAGGUCCCCAGUUCGAA 60
chr-9.trna33-Val-CAC     GUCUGGGGUGGUGUAGUUGGUUAUCACGUUAGUCUCACACACUAAAGGUCCCCAGUUCGAA 60
chr-12.trna4-Val-CAC     GUCUGGGGUGGUGUAGUUGGUUAUCACGUUAGUCUCACACACUAAAGGUCCCCAGUUCGAA 60
chr-11.trna11-Val-CAC    GUCUGGGGUGGUGUAGUUGGUUAUCACGUUAGUCUCACACACUAAAGGUCCCCAGUUCGAA 60
chr-11.trna5-Val-CAC     GUCUGGGGUGGUGUAGUUGGUUAUCACGUUAGUCUCACACACUAAAGGUCCCCAGUUCGAA 60
chr-9.trna34-Val-CAC     GUUUGGGGUGGUGUAGUUGGUCAUCACGUUAGUCUCACACACUAAAGGUCCCCAGUUCGAA 60
chr-6.trna6-Val-AAC      GGUGUCGUGGUGUAGUUGGUUAUCACGUCAGUCUAACACACUGAAGGUCUCCGGUUCAAG 60
chr-1.trna51-Val-AAC     GGUUUCGUGGUGUAGUUGGUUAUCACGUCAGUCUAACACACUGAAGGUCUCCGGUUCGAG 60
chr-1.trna65-Val-AAC     GGUUUCGUGGUGUAGUUGGUUAUCACGUCAGUCUAACACACUGAAGGUCUCCGGUUCGAG 60
chr-3.trna48-Val-AAC     GGUUUCGUGGUGUAGUUGGUUAUCACGUCAGUCUAACACACUGAAGGUCUCCGGUUCGAG 60
chr-3.trna49-Val-AAC     GGUUUCGUGGUGUAGUUGGUUAUCACGUCAGUCUAACACACUGAAGGUCUCCGGUUCGAG 60
chr-4.trna23-Val-AAC     GGUGUCGUGGUGUAGUUGGUUAUCACGUCAGUCUAACACACUGAAGGUCUCCGGUUCGAG 60
chr-7.trna39-Val-AAC     GGUGUCGUGGUGUAGUUGGUUAUCACGUCAGUCUAACACACUGAAGGUCUCCGGUUCGAG 60
chr-8.trna7-Val-AAC      GGUGUCGUGGUGUAGUUGGUUAUCACGUCAGUCUAACACACUGAAGGUCUCCGGUUCGAG 60
chr-9.trna29-Val-AAC     GGUUUCGUGGUGUAGUUGGUUAUCACGUCAGUCUAACACACUGAAGGUCUCCGGUUCGAA 60
chr-8.trna23-Val-AAC     GGUUUCGUGGUGUAGUUGGUUAUCACGUCAGUCUAACACACUGAAGGUCUCCGGUUCGAA 60
chr-8.trna22-Val-AAC     GGUUUCGUGGUGUAGUUGGUUAUCACGUCAGUCUAACACACUGAAGGUCUCCGGUUCGAA 60
chr-3.trna44-Val-AAC     GGUGUCGUGGUGUAGUUGGUUAUCACGUCAGUCUAACACACUGAAGGUCUCCGGUUCGAA 60
chr-5.trna25-Val-AAC     GGUGUCGUGGUGUAGUUGGUUAUCACGUCAGUCUAACACACUGAAGGUCUCCGGUUCGAA 60
chr-5.trna26-Val-AAC     GGUGUCGUGGUGUAGUUGGUUAUCACGUCAGUCUAACACACUGAAGGUCUCCGGUUCGAA 60
chr-12.trna39-Val-AAC    GGUGUUGUGGUGUAGUUGGUUAUCACGUCAGUCUAACACACUAAAGGUCUCCGGUUCGAG 60
chr-1.trna68-Val-CAC     GUCUGGGUGGUGUAGUCGGUUAUCACGCUAGUCUCACACACUAGAGGUCCCAGUUCGAA 60
chr-5.trna46-Val-CAC     GUCUGGGUGGUGUAGUCGGUUAUCACGCUAGUCUCACACACUAGAGGUCCCAGUUCGAA 60
chr-3.trna41-Val-CAC     GUCUGGGUGGUGUAGUCGGUUAUCACGCUAGUCUCACACACUAGAGGUCCCAGUUCGAA 60
chr-3.trna50-Val-AAC     GGUUUCGUGGUGUAGUUGGUUAUCACGUCAGUCUAACACACUGAAGGUCUCCGGUUCGAG 60
chr-1.trna27-Val-TAC     GUUGCUGUGGUGUAGU-GGUUAUCACGUCAGUCUUACACACUGAAGGUCUCCAGUUCGAU 59
chr-5.trna29-Val-TAC     GUUGCUGUGGUGUAGU-GGUUAUCACGUCAGUCUUACACACUGAAGGUCUCCAGUUCGAU 59
chr-5.trna32-Val-TAC     GUUGCUGUGGUGUAGU-GGUUAUCACGUCAGUCUUACACACUGAAGGUCUCCAGUUCGAU 59
chr-4.trna33-Val-TAC     GUUGCUGUGGUGUAGU-GGUUAUCACGUCAGUCUUACACACUGAAGGUCUCCAGUUCGAU 59
chr-3.trna31-Val-CAC     GUCUGGGUGGUGUAGUUGGUUAUUACGUUAGUCUCACACACUAACAGUCCCCAGUUCGAA 60
chr-3.trna61-Val-AAC     GGGGAUGUAGCUCAGAU-GCUAGGGCGCUCGCUUAACAUGCGAAAGGUACGGGGGUCGAU 59
chr-6.trna12-Val-GAC     AGGGAUAUAACUCAGU--GGUAGAGUGUCACCUUGACGUGGUGGAAGUCAUCAGUUUGAG 58
                         .........10.........20.........30.........40.........50.........
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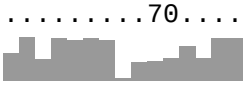
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                         .)))))).)))))).
chr-1.trna44-Val-CAC     CCUGGGC-UCAGACA 74
chr-4.trna40-Val-CAC     CCUGGGC-UCAGACA 74
chr-8.trna26-Val-CAC     CCUGGGC-UCAGACA 74
chr-9.trna33-Val-CAC     CCUGGGC-UCAGACA 74
chr-12.trna4-Val-CAC     CCUGGGC-UCAGACA 74
chr-11.trna11-Val-CAC    CCUGGGC-UCAGACA 74
chr-11.trna5-Val-CAC     CCUGGGC-UCAGACA 74
chr-9.trna34-Val-CAC     CCUGGGC-UCAGACA 74
chr-6.trna6-Val-AAC      UCCGGGC-GACGCCA 74
chr-1.trna51-Val-AAC     UCCGGGC-GAAGCCA 74
chr-1.trna65-Val-AAC     UCCGGGC-GAAGCCA 74
chr-3.trna48-Val-AAC     UCCGGGC-GAAGCCA 74
chr-3.trna49-Val-AAC     UCCGGGC-GAAGCCA 74
chr-4.trna23-Val-AAC     UCCGGGC-GACGCCA 74
chr-7.trna39-Val-AAC     UCCGGGC-GACGCCA 74
chr-8.trna7-Val-AAC      UCCGGGC-GACGCCA 74
chr-9.trna29-Val-AAC     CCCGGGC-GAAGCCA 74
chr-8.trna23-Val-AAC     CCCGGGC-GAAGCCA 74
chr-8.trna22-Val-AAC     CCCGGGC-GAAGCCA 74
chr-3.trna44-Val-AAC     CCCGGGC-GACGCCA 74
chr-5.trna25-Val-AAC     CCCGGGC-GACGCCA 74
chr-5.trna26-Val-AAC     CCCGGGC-GACGCCA 74
chr-12.trna39-Val-AAC    UCCGGGCGAACGCCA 75
chr-1.trna68-Val-CAC     CCUGGGC-UCAGACA 74
chr-5.trna46-Val-CAC     CCUGGGC-UCAGACA 74
chr-3.trna41-Val-CAC     UCUGGGC-UCAGACA 74
chr-3.trna50-Val-AAC     UCCGGGC-GACACCU 74
chr-1.trna27-Val-TAC     CCUGGGC-AGCAACA 73
chr-5.trna29-Val-TAC     CCUGGGC-AGCAACA 73
chr-5.trna32-Val-TAC     CCUGGGC-AGCAACA 73
chr-4.trna33-Val-TAC     CCUGGGC-AGCAACA 73
chr-3.trna31-Val-CAC     CCUGGGC-UCUGACA 74
chr-3.trna61-Val-AAC     ACCCCGU-AUCUCCA 73
chr-6.trna12-Val-GAC     CCUGAUU-AUCCCUA 72
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