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                         ((((((((((((.((.((.....((....)))).)))))))).....(((((.....
chr-1.trna71-Val-CAC     GUCUGGGUGGGUGUAGUUGGUUAUCACGUUAGUCUCACACACUAAAGGUCCCCAGUUCGAA 60
chr-3.trna68-Val-CAC     GUCUGGGUGGGUGUAGUUGGUUAUCACGUUAGUCUCACACACUAAAGGUCCCCAGUUCGAA 60
chr-12.trna43-Val-CAC    GUCUGGGUGGGUGUAGUUGGUUAUCACGUUAGUCUCACACACUAAAGGUCCCCAGUUCGAA 60
chr-12.trna4-Val-CAC     GUCUGGGUGGGUGUAGUUGGUUAUCACGUUAGUCUCACACACUAAAGGUCCCCAGUUCGAA 60
chr-12.trna3-Val-CAC     GUCUGGGUGGGUGUAGUUGGUUAUCACGUUAGUCUCACACACUAAAGGUCCCCAGUUCGAA 60
chr-11.trna11-Val-CAC    GUCUGGGUGGGUGUAGUUGGUUAUCACGUUAGUCUCACACACUAAAGGUCCCCAGUUCGAA 60
chr-9.trna36-Val-CAC     GUCUGGGUGGGUGUAGUUGGUUAUCACGUUAGUCUCACACACUAAAGGUCCCCAGUUCGAA 60
chr-9.trna35-Val-CAC     GUCUGGGUGGGUGUAGUUGGUUAUCACGUUAGUCUCACACACUAAAGGUCCCCAGUUCGAA 60
chr-8.trna30-Val-CAC     GUCUGGGUGGGUGUAGUUGGUUAUCACGUUAGUCUCACACACUAAAGGUCCCCAGUUCGAA 60
chr-8.trna31-Val-CAC     GUCUGGGUGGGUGUAGUUGGUUAUCACGUUAGUCUCACACACUAAAGGUCCCCAGUUCGAA 60
chr-3.trna53-Val-CAC     GUCUGGGUGGGUGUAGUCGGUUAUCACGCUAGUCUCACACACUAAAGGUCCCCAGUUCGAA 60
chr-1.trna53-Val-GAC     GGUUUCGUGGGUGUAGUUGGUUAUCACGUCAGUCUGACACACUGAAGGUCUCCGGAUCGAG 60
chr-1.trna40-Val-AAC     GGUUUCGUGGGUGUAGUUGGUUAUCACGUCAGUCUAACACACUGAAGGUCUCCGGUUCGAG 60
chr-3.trna45-Val-AAC     GGUUUCGUGGGUGUAGUUGGUUAUCACGUCAGUCUAACACACUGAAGGUCUCCGGUUCGAG 60
chr-8.trna67-Val-AAC     GGUGUCGUGGGUGUAGUUGGUUAUCACGUCAGUCUAACACACUGAAGGUCUCCGGUUCGAG 60
chr-3.trna46-Val-AAC     GGUUUCGUGGGUGUAGUUGGUUAUCACGUCAGUCUAACACACUGAAGGUCUCCGGUUCGAG 60
chr-9.trna27-Val-AAC     GGUUUCGUGGGUGUAGUUGGUUAUCACGUCAGUCUAACACACUGAAGGUCUCCGGUUCGAG 60
chr-6.trna24-Val-AAC     GGUGUCGUGGGUGUAGUUGGUUAUCACGUCAGUCUAACACACUGAAGGUCUCCGGUUCGAG 60
chr-5.trna14-Val-AAC     GGUGUCGUGGGUGUAGUUGGUUAUCACGUCAGUCUAACACACUGAAGGUCUCCGGUUCGAG 60
chr-5.trna17-Val-AAC     GGUUUCGUGGGUGUAGUUGGUUAUCGCGUCAGUCUAACACACUGAAGGUCUCCGGUUCGAA 60
chr-5.trna16-Val-AAC     GGUUUCGUGGGUGUAGUUGGUUAUCACGUCAGUCUAACACACUGAAGGUCUCCGGUUCGAA 60
chr-2.trna9-Val-AAC      GGUGUCGUGGGUGUAGUUGGUUAUCACGUCAGUCUAACACACUGAAGGUCUCCGGUUCGAA 60
chr-3.trna58-Val-AAC     GGUGUCGUGGGUGUAGUUGGUUAUCACGUCAGUCUAACACACUGAAGGUCUCCGGUUCGAA 60
chr-3.trna54-Val-CAC     GUCUGGGUGGGUGUAGUCGGUUAUCACGCUAGUCUCACACACUAGAGGUCCCCAGUUCGAA 60
chr-3.trna44-Val-AAC     GGUUUCGUGGGUACAGUUGGUUAUCACGUCAGUCUAACACACUGAAGGUCUCCGGUUCGAG 60
chr-2.trna83-Val-TAC     GUUGCUGUGGGUGUAGU-GGUUAUCACGUCAGUCUUACACACUGAAGGUCUCCAGUUCGAU 59
chr-7.trna42-Val-TAC     GUUGCUGUGGGUGUAGU-GGUUAUCACGUCAGUCUUACACACUGAAGGUCUCCAGUUCGAU 59
chr-9.trna3-Val-TAC      GUUGCUGUGGGUGUAGU-GGUUAUCACGUCAGUCUUACACACUGAAGGUCUCCAGUUCGAU 59
chr-3.trna39-Val-GAC     AGGGAUAUAACUCAGC--GGUAGAGUGUCACCUUGACGUGGAGGAAGUCAUCAGUUCGAG 58
                         .........10.........20.........30.........40.........50.........

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chr-1.trna71-Val-CAC     CCUGGGCUCAGACA 74
chr-3.trna68-Val-CAC     CCUGGGCUCAGACA 74
chr-12.trna43-Val-CAC    CCUGGGCUCAGACA 74
chr-12.trna4-Val-CAC     CCUGGGCUCAGACA 74
chr-12.trna3-Val-CAC     CCUGGGCUCAGACA 74
chr-11.trna11-Val-CAC    CCUGGGCUCAGACA 74
chr-9.trna36-Val-CAC     CCUGGGCUCAGACA 74
chr-9.trna35-Val-CAC     CCUGGGCUCAGACA 74
chr-8.trna30-Val-CAC     CCUGGGCUCAGACA 74
chr-8.trna31-Val-CAC     CCUGGGCUCAGACA 74
chr-3.trna53-Val-CAC     CCUGGGCUCAGACA 74
chr-1.trna53-Val-GAC     UCCGGGCGAAGCCA 74
chr-1.trna40-Val-AAC     UCCGGGCGAAGCCA 74
chr-3.trna45-Val-AAC     UCCGGGCGAAGCCA 74
chr-8.trna67-Val-AAC     UCCGGGCGACGCCA 74
chr-3.trna46-Val-AAC     UCCGGGCGAAGCCA 74
chr-9.trna27-Val-AAC     UCCGGGCGAAGCCA 74
chr-6.trna24-Val-AAC     UCCGGGCGACGCCA 74
chr-5.trna14-Val-AAC     UCCGGGCGACGCCA 74
chr-5.trna17-Val-AAC     CCCGGGCGAAGCCA 74
chr-5.trna16-Val-AAC     CCCGGGCGAAGCCA 74
chr-2.trna9-Val-AAC      CCCGGGCGACGCCA 74
chr-3.trna58-Val-AAC     CCCGGGCGACGCCA 74
chr-3.trna54-Val-CAC     CCUGGGCUCAGACA 74
chr-3.trna44-Val-AAC     UCCGGGCGAAGCCA 74
chr-2.trna83-Val-TAC     CCUGGGCAGCAACA 73
chr-7.trna42-Val-TAC     CCUGGGCAGCAACA 73
chr-9.trna3-Val-TAC      CCUCGGCAGCAACA 73
chr-3.trna39-Val-GAC     CCUGAUUAUCCCUA 72
                         .........70...
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