```
                        ((((((((((((........))))))).(((((.......)))))).....(((((.....
chr-7.trna18-Val-TAC    GUUGCUGUGGUGUAG-UGGUUAUCACGUCAGUCUUACACACUGAAGGUCUCCAGUUCGAU 59
chr-3.trna19-Val-TAC    GUUGCUGUGGUGUAG-UGGUUAUCACGUCAGUCUUACACACUGAAGGUCUCCAGUUCGAU 59
chr-3.trna64-Val-TAC    GUUGCUGUGGUGUAG-UGGUUAUCACGUCAGUCUUACACACUGAAGGUCUCCAGUUCGAU 59
chr-5.trna72-Val-TAC    GUUGCCGUGGUGUAG-UGGUUAUCACGUCAGUCUUACACACUGAAGGUCUCCAGUUCGAU 59
chr-2.trna24-Val-CAC    GUCUGGGUGUUGUAGUUGGUUAUCACGUUAGUCUCACACACUAAAGGUCCCCAGUUCGAA 60
chr-1.trna2-Val-AAC     GGUUUCGUGGUGUAGUUGGUUAUCACGUCAGUCUAAACACACUGAAGGUCUCCGGUUCGAA 60
chr-9.trna78-Val-AAC    GGUUUCGUGGUGUAGUUGGUUAUCACGUCAGUCUAAACACACUGAAGGUCUCCGGUUCGAA 60
chr-7.trna16-Val-AAC    GGUUUCGUGGUGUAGUUGGUUAUCACGUCAGUCUAAACACACUGAAGGUCUCCGGUUCGAA 60
chr-6.trna36-Val-AAC    GGUUUCGUGGUGUAGUUGGUUAUCACGUCAGUCUAAACACACUGAAGGUCUCCGGUUCGAA 60
chr-2.trna38-Val-AAC    GGUUUCGUGGUGUAGUUGGUUAUCACGUCAGUCUAAACACACUGAAGGUCUCCGGUUCGAA 60
chr-2.trna44-Val-AAC    GGUUUCGUGGUGUAGUUGGUUAUCACGUCAGUCUAAACACACUGAAGGUCUCCGGUUCGAA 60
chr-9.trna13-Val-AAC    GGUUUCGUGGUGUAGUUGGUUAUCACGUCAGUCUAAACACACUGAAGGUCUCCGGUUCGAA 60
chr-9.trna75-Val-AAC    GGUGUCGUGGUGUAGUUGGUUAUCACGUCAGUCUAAACACACUGAAGGUCUCCGGUUCGAA 60
chr-3.trna56-Val-AAC    GGUGUCGUGGUGUAGUUGGUUAUCACGUCAGUCUAAACACACUGAAGGUCUCCGGUUCGAG 60
chr-3.trna63-Val-AAC    GGUGUCGUGGUGUAGUUGGUUAUCACGUCAGUCUAAACACACUGAAGGUCUCCGGUUCGAG 60
chr-7.trna27-Val-AAC    GGUGUCGUGGUGUAGUUGGUUAUCACGUCAGUCUAAACACACUGAAGGUCUCCGGUUCGAG 60
chr-3.trna4-Val-AAC     GGUGUCGUGGUGUAGUUGGUUAUCACGUCAGUCUAAACACACUGAAGGUCUCUGGUUCGAG 60
chr-6.trna2-Val-AAC     GGUUUCGUGGUGUAGUUGGUUAUCACGUCAGUCUAAACACACUUAAGGUCUCCGGUUCGAA 60
chr-8.trna11-Val-CAC    GUCUGGGUGGUGUAGUUGGUUAUCACGUUAGUCUCACACACUAAAGGUCCCUAGUUUGAA 60
chr-1.trna37-Val-CAC    GUCUGGGUGGUGUAGUUGGUUAUCACGUUAGUCUCACACACUAAAGGUCCCCAGUUCGAA 60
chr-1.trna54-Val-CAC    GUCUGGGUGGUGUAGUUGGUUAUCACGUUAGUCUCACACACUAAAGGUCCCCAGUUCGAA 60
chr-5.trna27-Val-CAC    GUCUGGGUGGUGUAGUUGGUUAUCACGUUAGUCUCACACACUAAAGGUCCCCAGUUCGAA 60
chr-5.trna92-Val-CAC    GUCUGGGUGGUGUAGUUGGUUAUCACGUUAGUCUCACACACUAAAGGUCCCCAGUUCGAA 60
chr-9.trna21-Val-CAC    GUCUGGGUGGUGUAGUUGGUUAUCACGUUAGUCUCACACACUAAAGGUCCCCAGUUCGAA 60
chr-6.trna18-Val-CAC    GUCUGGGUGGUGUAGUUGGUUAUCACGUUAGUCUCACACACUAAAGGUCCCCAGUUCGAA 60
chr-8.trna34-Val-CAC    GUCUGGGUGGUGUAGUUGGUUAUCACGUUAGUCUCACACACUAAAGGUCCCCAGUUCGAA 60
chr-8.trna14-Val-CAC    GUCUGGGUGGUGUAGUUGGUUAUCACGUUAGUCUCACACACUAAAGGUCCCCAGUUCGAA 60
chr-8.trna13-Val-CAC    GUCUGGGUGGUGUAGUUGGUUAUCACGUUAGUCUCACACACUAAAGGUCCCCAGUUCGAA 60
chr-8.trna12-Val-CAC    GUCUGGGUGGUGUAGUUGGUUAUCACGUUAGUCUCACACACUAAAGGUCCCCAGUUCGAA 60
chr-7.trna9-Val-CAC     GUCUGGGUGGUGUAGUUGGUUAUCACGUUAGUCUCACACACUAAAGGUCCCCAGUUCGAA 60
chr-3.trna8-Val-TAC     GGUGCUGUGGUGUAGUCGGUUAUCACGUUAGUCUUACACACUAAAGGUCCCCAGUUCGAG 60
                        .........10........20........30........40........50.........

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chr-7.trna18-Val-TAC    CCUGGGCAGCAACA 73
chr-3.trna19-Val-TAC    CCUGGGCAGCAACA 73
chr-3.trna64-Val-TAC    CCUGGGCAGCAACA 73
chr-5.trna72-Val-TAC    CCUGGGCGGCAACA 73
chr-2.trna24-Val-CAC    CCUGGGCUCAGACA 74
chr-1.trna2-Val-AAC     CCCGGGCGAAGCCA 74
chr-9.trna78-Val-AAC    CCCGGGCGAAGCCA 74
chr-7.trna16-Val-AAC    CCCGGGCGAAGCCA 74
chr-6.trna36-Val-AAC    CCCGGGCGAAGCCA 74
chr-2.trna38-Val-AAC    CCCGGGCGAAGCCA 74
chr-2.trna44-Val-AAC    CCCGGGCGAAGCCA 74
chr-9.trna13-Val-AAC    CCCGGGCGAAGCCA 74
chr-9.trna75-Val-AAC    CCCGGGCGACGCCA 74
chr-3.trna56-Val-AAC    UCCGGGCGACGCCA 74
chr-3.trna63-Val-AAC    UCCGGGCGACGCCA 74
chr-7.trna27-Val-AAC    UCCGGGCGACGCCA 74
chr-3.trna4-Val-AAC     UCCAGGCGACGCCA 74
chr-6.trna2-Val-AAC     CCCGGGCGAAGCAA 74
chr-8.trna11-Val-CAC    CCUGGGCUCAGACA 74
chr-1.trna37-Val-CAC    CCUGGGCUCAGACA 74
chr-1.trna54-Val-CAC    CCUGGGCUCAGACA 74
chr-5.trna27-Val-CAC    CCUGGGCUCAGACA 74
chr-5.trna92-Val-CAC    CCUGGGCUCAGACA 74
chr-9.trna21-Val-CAC    CCUGGGCUCAGACA 74
chr-6.trna18-Val-CAC    CCUGGGCUCAGACA 74
chr-8.trna34-Val-CAC    CCUGGGCUCAGACA 74
chr-8.trna14-Val-CAC    CCUGGGCUCAGACA 74
chr-8.trna13-Val-CAC    CCUGGGCUCAGACA 74
chr-8.trna12-Val-CAC    CCUGGGCUCAGACA 74
chr-7.trna9-Val-CAC     CCUGGGCUCAGACA 74
chr-3.trna8-Val-TAC     CCUGGGCAGCACCA 74
                        .........70...

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