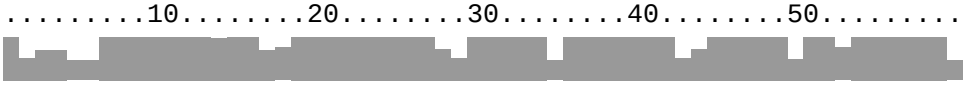```
                        ((((((((((((.(((((.....((....)))))))))))))))).....(((((.....
chr-5.trna55-Val-CAC    GUCCGGGGUGGUGUAGUUGGUUAUCACGCUAGUCUCACACACUAGAGGUCCCCGGUUCGAA 60
chr-7.trna11-Val-CAC    GUCCGGGGUGGUGUAGUUGGUUAUCACGCUAGUCUCACACACUAGAGGUCCCCGGUUCGAA 60
chr-1.trna69-Val-CAC    GUCUGGGGUGGUGUAGUUGGUUAUCACGCUAGUCUCACACACUAGAGGUCCCCGGUUCGAA 60
chr-9.trna47-Val-CAC    GUCUGGGGUGGUGUAGUUGGUUAUCACGCUAGUCUCACACACUAGAGGUCCCCGGUUCGAA 60
chr-4.trna14-Val-CAC    GUCUGGGGUGGUGUAGUUGGUUAUCACGCUAGUCUCACACACUAGAGGUCCCCGGUUCGAA 60
chr-11.trna4-Val-CAC    GUCUGGGGUGGUGUAGUUGGUUAUCACGCUAGUCUCACACACUAGAGGUCCCCGGUUCGAA 60
chr-14.trna26-Val-CAC   GUCUGGGGUGGUGUAGUUGGUUAUCACGCUAGUCUCACACACUAGAGGUCCCCGGUUCGAA 60
chr-2.trna33-Val-CAC    GUCUGGGGUGGUGUAGUCGGUUAUCACGCUAGUCUCACACACUAGAGGUCCCCGGUUCGAA 60
chr-8.trna41-Val-CAC    GUCUGGGGUGGUGUAGUCGGUUAUCACGCUAGUCUCACACACUAGAGGUCCCCGGUUCGAA 60
chr-3.trna1-Val-AAC     GGUGUCGUGGUGUAGUUGGUUAUCACGUCAGUCUAACACACUGAAGGUCUCCGGUUCGAG 60
chr-1.trna71-Val-AAC    GGUGUCGUGGUGUAGUUGGUUAUCACGUCAGUCUAACACACUGAAGGUCUCCGGUUCGAG 60
chr-4.trna17-Val-AAC    GGUGUCGUGGUGUAGUUGGUUAUCACGUCAGUCUAACACACUGAAGGUCUCCGGUUCGAG 60
chr-4.trna29-Val-AAC    GGUGUCGUGGUGUAGUUGGUUAUCACGUCAGUCUAACACACUGAAGGUCUCCGGUUCGAG 60
chr-8.trna31-Val-AAC    GGUGUCGUGGUGUAGUUGGUUAUCACGUCAGUCUAACACACUGAAGGUCUCCGGUUCGAG 60
chr-8.trna49-Val-AAC    GGUGUCGUGGUGUAGUUGGUUAUCACGUCAGUCUAACACACUGAAGGUCUCCGGUUCGAG 60
chr-14.trna24-Val-AAC   GGUGUCGUGGUGUAGUUGGUUAUCACGUCAGUCUAACACACUGAAGGUCUCCGGUUCGAG 60
chr-9.trna49-Val-AAC    GGUGUCGUGGUGUAGUUGGUUAUCACGUCAGUCUAACACACUGAAGGUCUCCGGUUCGAG 60
chr-12.trna22-Val-AAC   GGUGUCGUGGUGUAGUUGGUUAUCACGUCAGUCUAACACACUGAAGGUCUCCGGUUCGAG 60
chr-10.trna4-Val-AAC    GGUGUCGUGGUGUAGUUGGUUAUCACGUCAGUCUAACACACUGAAGGUCUCCGGUUCGAG 60
chr-1.trna40-Val-AAC    GGUGUCGUGGUGUAGUUGGUUAUCACGUAAGUCUAACACACUGAAGGUCUCCGGUUCGAA 60
chr-17.trna5-Val-AAC    GGUGUCGUGGUGUAGUUGGUUAUCACGUCAGUCUAACACACUGAAGGUCUCCGGUUCGAA 60
chr-6.trna1-Val-AAC     GGUGUCGUGGUGUAGUUGGUUAUCACGUCAGUCUAACACACUGAAGGUCUCCGGUUCGAA 60
chr-8.trna21-Val-AAC    GGUGUCGUGGUGUAGUUGGUUAUCACGUCAGUCUAACACACUGAAGGUCUCCGGUUCGAA 60
chr-10.trna8-Val-AAC    GGUGUCGUGGUGUAGUUGGUUAUCACGUCAGUCUAACACACUGAAGGUCUCCGGUUCGAA 60
chr-9.trna24-Val-AAC    GGUGUCGUGGUGUAGUUGGUUAUCACGUCAGUCUAACACACUGAAGGUCUCCGGUUCGAA 60
chr-6.trna44-Val-CAC    GUCUGGGUGGUGUAGUUGGUUAUCACGUUAGUCUCACACACUAAAGGUCCCCGGUUCGAA 60
chr-13.trna49-Val-TAC   GUUGCUGUGGUGUAGUG-GUUAUCACGUUAGUCUUACACACUAAAGGUCCCCAGUUCGAU 59
chr-4.trna6-Val-TAC     GUUGCUGUGGUGUAGUG-GUUAUCACGUUAGUCUUACACACUAAAGGUCCCCAGUUCGAU 59
chr-8.trna38-Val-TAC    GUUGCUGUGGUGUAGUG-GUUAUCACGUUAGUCUUACACACUAAAGGUCCCCAGUUCGAU 59
chr-4.trna24-Val-TAC    GUUGCUGUGGUGUAGUG-GUUAUCACGUUAGUCUUACACACUAAAGGUCCCCAGUUCGAU 59
chr-10.trna15-Val-TAC   GUUGCUGUGGUGUAGUG-GUUAUCACGUUAGUCUUACACACUAAAGGUCCCCAGUUCGAU 59
chr-11.trna9-Val-TAC    GUUGCUGUGGUGUAGUG-GUUAUCACGUUAGUCUUACACACUAAAGGUCCCCAGUUCGAU 59
chr-9.trna52-Val-TAC    GUUGCUGUGGUGUUGUG-GUUAUCACGUUAGUCUUACACACUAAAGGUCCCCAGUUCGAU 59
chr-19.trna9-Val-TAC    GUUGCUGUGGUGUAGUG-GUUAUCACGUUAGUCUUACACACUAAAGGUCUCCAGUUCGAU 59
                        .........10.........20.........30.........40.........50.........

                        .)))))))))))).
chr-5.trna55-Val-CAC    CCCGGGCUCGGACA 74
chr-7.trna11-Val-CAC    CCCGGGCUCGGACA 74
chr-1.trna69-Val-CAC    CCCGGGCUCAGACA 74
chr-9.trna47-Val-CAC    CCCGGGCUCAGACA 74
chr-4.trna14-Val-CAC    CCCGGGCUCAGACA 74
chr-11.trna4-Val-CAC    CCCGGGCUCAGACA 74
chr-14.trna26-Val-CAC   CCCGGGCUCAGACA 74
chr-2.trna33-Val-CAC    CCCGGGCUCAGACA 74
chr-8.trna41-Val-CAC    CCCGGGCUCAGACA 74
chr-3.trna1-Val-AAC     CCCGGGCGACGCCA 74
chr-1.trna71-Val-AAC    UCCGGGCGACGCCA 74
chr-4.trna17-Val-AAC    UCCGGGCGACGCCA 74
chr-4.trna29-Val-AAC    UCCGGGCGACGCCA 74
chr-8.trna31-Val-AAC    UCCGGGCGACGCCA 74
chr-8.trna49-Val-AAC    UCCGGGCGACGCCA 74
chr-14.trna24-Val-AAC   UCCGGGCGACGCCA 74
chr-9.trna49-Val-AAC    UCCGGGCGACGCCA 74
chr-12.trna22-Val-AAC   UCCGGGCGACGCCA 74
chr-10.trna4-Val-AAC    UCCGGGCGACGCCA 74
chr-1.trna40-Val-AAC    CCCGGGCGACGCCA 74
chr-17.trna5-Val-AAC    CCCGGGCGACGCCA 74
chr-6.trna1-Val-AAC     CCCGGGCGACGCCA 74
chr-8.trna21-Val-AAC    CCCGGGCGACGCCA 74
chr-10.trna8-Val-AAC    CCCGGGCGACGCCA 74
chr-9.trna24-Val-AAC    CCCGGGCGACGCCA 74
chr-6.trna44-Val-CAC    CCCGGGCUCAGACA 74
chr-13.trna49-Val-TAC   CCUGGGCAGCAACA 73
chr-4.trna6-Val-TAC     CCUGGGCAGCAACA 73
chr-8.trna38-Val-TAC    CCUGGGCAGCAACA 73
chr-4.trna24-Val-TAC    CCUGGGCAGCAACA 73
chr-10.trna15-Val-TAC   CCUGGGCAGCAACA 73
chr-11.trna9-Val-TAC    CCUGGGCAGCAACA 73
chr-9.trna52-Val-TAC    CCUGGGCAGCAACA 73
chr-19.trna9-Val-TAC    CCUGGGCAGCAACA 73
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