```
                        ((((((((((((........))))))).(((((.......)))))).........(((((...
chr-1.trna60-Val-CAC    GUCUGGGUGGUGUAGUUGGUCAUCACGUUAGUCUCACACACUAAA---GGUCCCCAGUUC 57
chr-3.trna25-Val-CAC    GUCUGGGUGGUGUAGUUGGUUAUCACGUUAGUCUCACACACUAAA---GGUCCCCAGUUC 57
chr-8.trna26-Val-CAC    GUCUGGGUGGUGUAGUUGGUUAUCACGUUAGUCUCACACACUAAA---GGUCCCCAGUUC 57
chr-9.trna26-Val-CAC    GUCUGGGUGGUGUAGUUGGUUAUCACGUUAGUCUCACACACUAAA---GGUCCCCAGUUC 57
chr-3.trna35-Val-AAC    GGUGUCGUGGUGUAGUUGGUUAUCACGUCAGUCUAACACACUGAA---GGUCUCCGGUUC 57
chr-4.trna26-Val-AAC    GGUGUCGUGGUGUAGUUGGUUAUCACGUCAGUCUAACACACUGAA---GGUCUCCGGUUC 57
chr-6.trna6-Val-AAC     GGUGUCGUGGUGUAGUUGGUUAUCACGUCAGUCUAACACACUGAA---GGUCUCCGGUUC 57
chr-7.trna41-Val-AAC    GGUGUCGUGGUGUAGUUGGUUAUCACGUCAGUCUAACACACUGAA---GGUCUCCGGUUC 57
chr-8.trna22-Val-AAC    GGUUUCGUGGUGUAGUUGGUUAUCACGUCAGUCUAACACACUGAA---GGUCUCCGGUUC 57
chr-12.trna28-Val-AAC   GGUGUCGUGGUGUAGUUGGUUAUCACGUCAGUCUAACACACUGAA---GGUCUCCGGUUC 57
chr-1.trna41-Val-AAC    GGUUUCGUGGUGUAGUUGGUUAUCACGUCAGUCUAACACACUGAA---GGUCUCCGGUUC 57
chr-2.trna2-Val-AAC     GGUUUCGUGGUGUAGUUGGUUAUCACGUCAGUCUAACACACUGAA---GGUCUCCGGUUC 57
chr-3.trna38-Val-AAC    GGUUUCGUGGUGUAGUUGGUUAUCACGUCAGUCUAACACACUGAA---GGUCUCCGGUUC 57
chr-9.trna10-Val-AAC    GGUUUCGUGGUGUAGUUGGUUAUCACGUCAGUCUAACACACUGAA---GGUCUCCGGUUC 57
chr-3.trna39-Val-AAC    GGUUUCGUGGUGUAGUUGGUUAUCACGUCAGUCUAACACACUGAA---GGUCUCCGGUUC 57
chr-1.trna57-Val-AAC    GGUGUCGUGGUGUAGUUGGUUAUCACGUCAGUCUAACACACUGAA---GGUCUCCGGUUC 57
chr-1.trna34-Val-CAC    GUCUGGGUGGUGUAGUCGGUUAUCACGCUAGUCUCACACACUAGA---GGUCCCCAGUUC 57
chr-1.trna54-Val-CAC    GUCUGGGUGGUGUAGUCGGUUAUCACGCUAGUCUCACACACUAGA---GGUCCCCAGUUC 57
chr-3.trna32-Val-CAC    GUCUGGGUGGUGUAGUCGGUUAUCACGCUAGUCUCACACACUAGA---GGUCCCCAGUUC 57
chr-12.trna4-Val-CAC    GUCUGGGUGGUGUAGUCGGUUAUCACGCUAGUCUCACACACUAGA---GGUCCCCAGUUC 57
chr-4.trna36-Val-CAC    GUCUGGGUGGUGUAGUCGGUUAUCACGCUAGUCUCACACACUAGA---GGUCCCCAGUUC 57
chr-11.trna5-Val-CAC    GUCUGGGUGGUGUAGUCGGUUAUCACGCUAGUCUCACACACUAGA---GGUCCCCAGUUC 57
chr-11.trna14-Val-CAC   GUCUGGGUGGUGUAGUCGGUUAUCACGCUAGUCUCACACACUAGA---GGUCCCCAGUUC 57
chr-8.trna38-Val-AAC    GGUGUUGUGGCGUAGUUGGUUAUCACGUCAGUCUAACACACUGAA---GGUCUCCGGUUC 57
chr-5.trna25-Val-AAC    GGUGUCGUGGUGUAGUUGGUUAUCAGGUCAGUCUAACACACUGAA---GGUCUCCGGUUC 57
chr-4.trna30-Val-TAC    GUUGCUGUGGUGUAGU-GGUUAUCACGUCAGUCUUACACACUGAA---GGUCUCCAGUUC 56
chr-5.trna26-Val-TAC    GUUGCUGUGGUGUAGU-GGUUAUCACGUCAGUCUUACACACUGAA---GGUCUCCAGUUC 56
chr-5.trna30-Val-TAC    GUUGCUGUGGUGUAGU-GGUUAUCACGUCAGUCUUACACACUGAA---GGUCUCCAGUUC 56
chr-1.trna21-Val-TAC    GUUGCUGUGGUGUAGU-GGUUAUCACGUCAGUCUUACACACUGAA---GGUCUCCGGUUC 56
chr-5.trna45-Val-CAC    GUCUGGGUGGUGUAGUCGGUUAUCAAGCUAGUCUCACACACUACA---GGUCCCCGGUUU 57
chr-5.trna13-Val-AAC    GGUGUCGUGGUGUAGUUGGUUAUCACGUCAGUCUAACACACUGAAGGUGGUCUCCGGUUC 60
                        .........10........20........30........40........50.........
                        ....)))))..)))))).
chr-1.trna60-Val-CAC    GAACCUGGGCUCAGACA 74
chr-3.trna25-Val-CAC    GAACCUGGGCUCAGACA 74
chr-8.trna26-Val-CAC    GAACCUGGGCUCAGACA 74
chr-9.trna26-Val-CAC    GAACCUGGGCUCAGACA 74
chr-3.trna35-Val-AAC    GAGUCCGGGCGACGCCA 74
chr-4.trna26-Val-AAC    GAGUCCGGGCGACGCCA 74
chr-6.trna6-Val-AAC     GAGUCCGGGCGACGCCA 74
chr-7.trna41-Val-AAC    GAGUCCGGGCGACGCCA 74
chr-8.trna22-Val-AAC    GAGUCCGGGCGAAGCCA 74
chr-12.trna28-Val-AAC   GAGUCCGGGCGACGCCA 74
chr-1.trna41-Val-AAC    GAACCCGGGCGAAGCCA 74
chr-2.trna2-Val-AAC     GAACCCGGGCGAAGCCA 74
chr-3.trna38-Val-AAC    GAACCCGGGCGAAGCCA 74
chr-9.trna10-Val-AAC    GAACCCGGGCGAAGCCA 74
chr-3.trna39-Val-AAC    GAACCCGGGCGAAGCCA 74
chr-1.trna57-Val-AAC    GAAUCCGGGCGACGCCA 74
chr-1.trna34-Val-CAC    GAACCUGGGCUCAGACA 74
chr-1.trna54-Val-CAC    GAACCUGGGCUCAGACA 74
chr-3.trna32-Val-CAC    GAACCUGGGCUCAGACA 74
chr-12.trna4-Val-CAC    GAACCUGGGCUCAGACA 74
chr-4.trna36-Val-CAC    GAACCUGGGCUCAGACA 74
chr-11.trna5-Val-CAC    GAACCUGGGCUCAGACA 74
chr-11.trna14-Val-CAC   GAACCUGGGCUCAGACA 74
chr-8.trna38-Val-AAC    GAACCCGUGCGACGCCA 74
chr-5.trna25-Val-AAC    GAGUCCGGGUGACUCCU 74
chr-4.trna30-Val-TAC    GAUCCUGGGCAGCAACA 73
chr-5.trna26-Val-TAC    GAUCCUGGGCAGCAACA 73
chr-5.trna30-Val-TAC    GAUCCUGGGCAGCAACA 73
chr-1.trna21-Val-TAC    GAUCCUGGGCAGCAACA 73
chr-5.trna45-Val-CAC    GAACCUGGGCUCAGACA 74
chr-5.trna13-Val-AAC    GAGUCCGGGCGACGCCA 77
                        .........70......
```