```
                                 (((((((.(((((....))).))).(((((.......)))))).........((((..
chr-7.trna79-Val-CAC    UUUGUUGUAGUCUAGUUGGUUAGGAUAUUUGGUUCACAUCCAAAA----AGACCUGGGUU 56
chr-2.trna113-Val-CAC   UUUGUUGUAGUCUAGUUGGUUAGGAUAUUUGGUUCACAUCCAAAA----AAACUUGGGUU 56
chr-4.trna12-Val-CAC    UUUGUUGUAGUCUAGUUGGUUAGGAAAUUUGGUUCACUUCCAAAA----AUACCUGGGUU 56
chr-5.trna110-Val-CAC   UUUGUUAUAGUCUAGUUGGUUAGGAUAUUUGGUUCACAUCCAAAAGACCAGACCUGGGUU 60
chr-3.trna69-Val-TAC    GUUUCUGUGGUGUAGU-GGUUAUCACGUUUGCUUUACACGCAAAA----GGUCUCCGGUU 55
chr-6.trna55-Val-TAC    GUUGCUGUGGUGUAGU-GGUUAUCACGUUUGCCUUACACGCAAAA----GGUCUCCAGUU 55
chr-5.trna108-Val-TAC   GUUUCUGUGGUGUAGU-GGUUAUCACGUUUGCUUUACACGCAAAA----GGUCUCCGGUU 55
chr-5.trna106-Val-TAC   GUUUCUGUGGUGUAGU-GGUUAUCACGUUUGCUUUACACGCAAAA----GGUCUCCGGUU 55
chr-5.trna107-Val-TAC   GUUUCUGUGGUGUAGU-GGUUAUCACGUUUGCUUUACACGCAAAA----GGUCUCCGGUU 55
chr-5.trna8-Val-TAC     GUUGCUGUGGUGUAGU-GGUUAUCACGUCAGUCUUACACACUGAA----GGUCUCCAGUU 55
chr-2.trna128-Val-CAC   GUCUGGAUGGUGUAGUCGGUUAUCACGCUAGUCUCACACACUAGA----GGUCCCCAGUU 56
chr-2.trna129-Val-CAC   GUCUGGAUGGUGUAGUCGGUUAUCACGCUAGUCUCACACACUAGA----GGUCCCCAGUU 56
chr-1.trna18-Val-CAC    GUCUGGGUGGUGUAGUCGGUUAUCACGCUAGUCUCACACACUAGA----GGUCCCCGGUU 56
chr-1.trna16-Val-CAC    GUCUGGGUGGUGUAGUUGGUUAUCACGUUAGUCUCACACACUAAA----GGUCCCCAGUU 56
chr-1.trna74-Val-CAC    GUCUGGGUGGUGUAGUUGGUUAUCACGUUAGUCUCACACACUAAA----GGUCCCCAGUU 56
chr-3.trna14-Val-CAC    GUCUGGGUGGUGUAGUUGGUUAUCACGUUAGUCUCACACACUAAA----GGUCCCCAGUU 56
chr-1.trna44-Val-CAC    GUCUGGGUGGUGUAGUUGGUUAUCACGUUAGUCUCACACACUAAA----GGUCCCCGGUU 56
chr-1.trna80-Val-CAC    GUCUGGGUGGUGUAGUUGGUUAUCACGUUAGUCUCACACACUAAA----GGUCCCCGGUU 56
chr-7.trna92-Val-AAC    GGUUUCGUGGUGUAGUUGGUUAUCACGUCAGUCUAACACACUGAA----GGUCUCCGGUU 56
chr-1.trna47-Val-AAC    GGUUUCGUGGUGUAGUUGGUUAUCACGUCAGUCUAACACACUGAA----GGUCUCCGGUU 56
chr-6.trna66-Val-AAC    GGUUUCGUGGUGUAGUUGGUUAUCACGUCAGUCUAACACACUGAA----GGUCUCCGGUU 56
chr-7.trna111-Val-AAC   GGUUUCGUGGUGUAGUUGGUUAUCACGUCAGUCUAACACACUGAA----GGUCUCCGGUU 56
chr-6.trna2-Val-AAC     GGUUUCGUGGUGUAGUUGGUUAUCACGUCAGUCUAACACACUGAA----GGUCUCCGGUU 56
chr-5.trna121-Val-AAC   GGUUUCGUGGUGUAGUUGGUUAUCACGUCAGUCUAACACACUGAA----GGUCUCCGGUU 56
chr-1.trna79-Val-AAC    GGUUUCGUGGUGUAGUUGGUUAUCACGUCAGUCUAACACACUGAA----GGUCUCCGGUU 56
chr-2.trna28-Val-AAC    GGUUUCGUGGUGUAGUUGGUUAUCACGUCAGUCUAACACACUGAA----GGUCUCCGGUU 56
chr-7.trna109-Val-AAC   GGUUUCGUGGUGUAGUUGGUUAUCACGUCAGUCUAACACACUGAA----GGUCUCCGGUU 56
chr-3.trna15-Val-AAC    GGUUUCGUGGUGUAGUUGGUUAUCACGUCAGUCUAACACACUGAA----GGUCUCCGGUU 56
chr-5.trna104-Val-AAC   GGUUUCGUGGUGUAGUUGGUUAUCACGUCAGUCUAACACACUGAA----GGUCUCCGGUU 56
chr-4.trna54-Val-AAC    GGUUUCGUGGUGUAGUUGGUUAUCACGUCAGUCUAACACACUGAA----GGUCUCCGGUU 56
                        .........10........20........30........40........50.........

                        .....)))))))))))).
chr-7.trna79-Val-CAC    CAAGUUCCAGUGAUGGAA 74
chr-2.trna113-Val-CAC   CAAGUCCCAGUGAUGGAA 74
chr-4.trna12-Val-CAC    CAAGUCCCAGCGAUGGAA 74
chr-5.trna110-Val-CAC   CAAGUCCCAGUGAUGGAA 78
chr-3.trna69-Val-TAC    CGAUCCCGGGCAGGAACA 73
chr-6.trna55-Val-TAC    CGAUCCUGGGCAGCAACA 73
chr-5.trna108-Val-TAC   CGAUCCCGGGCAGGAACA 73
chr-5.trna106-Val-TAC   CGAUCCCGGGCAGGAACA 73
chr-5.trna107-Val-TAC   CGAUCCCGGGCAGGAACA 73
chr-5.trna8-Val-TAC     CGAUCCUGGGCAGCAACA 73
chr-2.trna128-Val-CAC   CGAACCUGGGUUCAGACA 74
chr-2.trna129-Val-CAC   CGAACCUGGGUUCAGACA 74
chr-1.trna18-Val-CAC    CGAACCCGGGCUCAGACA 74
chr-1.trna16-Val-CAC    CGAACCUGGGCUCAGACA 74
chr-1.trna74-Val-CAC    CGAACCUGGGCUCAGACA 74
chr-3.trna14-Val-CAC    CGAACCUGGGCUCAGACA 74
chr-1.trna44-Val-CAC    CGAACCCGGGCUCAGACA 74
chr-1.trna80-Val-CAC    CGAACCCGGGCUCAGACA 74
chr-7.trna92-Val-AAC    CGAACCCGGGCGAAGCCA 74
chr-1.trna47-Val-AAC    CGAACCCGGGCGAAGCCA 74
chr-6.trna66-Val-AAC    CGAACCCGGGCGAAGCCA 74
chr-7.trna111-Val-AAC   CGAACCCGGGCGAAGCCA 74
chr-6.trna2-Val-AAC     CGAACCCGGGCGAAGCCA 74
chr-5.trna121-Val-AAC   CGAACCCGGGCGAAGCCA 74
chr-1.trna79-Val-AAC    CGAACCCGGGCGAAGCCA 74
chr-2.trna28-Val-AAC    CGAACCCGGGCGAAGCCA 74
chr-7.trna109-Val-AAC   CGAACCCGGGCGAAGCCA 74
chr-3.trna15-Val-AAC    CGAACCCGGGCGAAGCCA 74
chr-5.trna104-Val-AAC   CGAACCCGGGCGAAGCCA 74
chr-4.trna54-Val-AAC    CGAACCCGGGCGAAGCCA 74
                        .........70.......
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