```
                        (((((((..((((........)))).(((((.......)))))).....(((((.......
chr-5.trna15-Lys-CTT    GCUCAUCUAGCUCAGUCAGUAGAGUGCAAGGCUCUUAACCUUGUGGUCAUGGGUUCGAGC 60
chr-12.trna2-Lys-CTT    GCUCAUCUAGCUCAGUCAGUAGAGUGCAAGGCUCUUAACCUUGUGGUCAUGGGUUCGAGC 60
chr-5.trna11-Lys-CTT    GCCUAUCUAGCUCAGUCAGUAGAGUGCAAGGCUCUUAACCUUGUGGUCAUGGGUUCGAGC 60
chr-18.trna5-Lys-CTT    GCCCGUCUAGCUCAGCCGGUAGAGCGCAAGGCUCUUAACCUUGUGGUCGUGGGUUCGAGC 60
chr-1.trna21-Lys-CTT    GCCCGUCUAGCUCAGUCGGUAGAGCGCAAGGCUCUUAACCUUGUGGUCGUGGGUUCGAGC 60
chr-2.trna25-Lys-CTT    GCCCGUCUAGCUCAGUCGGUAGAGCGCAAGGCUCUUAACCUUGUGGUCGUGGGUUCGAGC 60
chr-14.trna5-Lys-CTT    GCCCGUCUAGCUCAGUCGGUAGAGCGCAAGGCUCUUAACCUUGUGGUCGUGGGUUCGAGC 60
chr-13.trna15-Lys-CTT   GCCCGUCUAGCUCAGUCGGUAGAGCGCAAGGCUCUUAACCUUGUGGUCGUGGGUUCGAGC 60
chr-9.trna5-Lys-CTT     GCCCGUCUAGCUCAGUUGGUAGAGCGCAAGGCUCUUAACCUUGUGGUCGUGGGUUCGAGC 60
chr-14.trna31-Lys-CTT   GCCCGUCUAGCUCAGUUGGUAGAGCGCAAGGCUCUUAACCUUGUGGUCGUGGGUUCGAGC 60
chr-15.trna16-Lys-CTT   GCCCGUCUAGCUCAGUUGGUAGAGCGCAAGGCUCUUAACCUUGUGGUCGUGGGUUCGAGC 60
chr-1.trna3-Lys-TTT     GCCGUCUUAGCUCAGCCGGUAGAGCGCGUGGCUUUUAACCACGUGGUCGUGGGUUCGAUU 60
chr-6.trna21-Lys-TTT    GCCGUCUUAGCUCAGCCGGUAGAGCGCGUGGCUUUUAACCACGUGGUCGUGGGUUCGAUU 60
chr-7.trna11-Lys-TTT    GCCGUCUUAGCUCAGCCGGUAGAGCGCAUGGCUUUUAACCAUGUGGUCGUGGGUUCGAUU 60
chr-7.trna12-Lys-TTT    GCCGUCUUAGCUCAGCCGGUAGAGCGCAUGGCUUUUAACCAUGUGGUCGUGGGUUCGAUU 60
chr-7.trna26-Lys-TTT    GCCGUCUUAGCUCAGCCGGUAGAGCGCAUGGCUUUUAACCAUGUGGUCGUGGGUUCGAUU 60
chr-13.trna26-Lys-TTT   GCCGUCUUAGCUCAGCCGGUAGAGCGCGUGGCUUUUAACCACGUGGUCGUGGGUUCGAUU 60
chr-13.trna25-Lys-TTT   GCCGUCUUAGCUCAGCCGGUAGAGCGCGUGGCUUUUAACCACGUGGUCGUGGGUUCGAUU 60
chr-13.trna24-Lys-TTT   GCCGUCUUAGCUCAGCCGGUAGAGCGCGUGGCUUUUAACCACGUGGUCGUGGGUUCGAUU 60
chr-13.trna23-Lys-TTT   GCCGUCUUAGCUCAGCCGGUAGAGCGCGUGGCUUUUAACCACGUGGUCGUGGGUUCGAUU 60
chr-8.trna12-Lys-TTT    GCCGUCUUAGCUCAGCCGGUAGAGCGCGUGGCUUUUAACCACGUGGUCGUGGGUUCGAUU 60
chr-5.trna30-Lys-TTT    GCCGUCUUAGCUCAGCCAGUAGAGCGUGUGGCUUUUAAUCACAUGGUUGUGGGUUCGAUU 60
chr-15.trna7-Lys-TTT    GGGGUGUAUAGCUCAGUUGGUAGAGCAUUGGGCUUUUAACCUAAUGGUCGCAGGUUCAAGU 60
chr-5.trna12-Lys-CTT    GCUCGUCUAACCUCAAUCGGUAGAGCGCAAGGCUCUUAACCUUGUGGUUGUGGGUUCGAGG 60
chr-8.trna37-Lys-CTT    GCCCGUCUAGCUCAGUUGGUAGAGCGCAAGGCUCUUAACC-UGUGGUCGUGGGUUCGAGC 59
chr-5.trna23-Lys-CTT    GCCCAUCUAGCUAAGUCAGUAAAGCGCAAGGCUCUUAACCUUGUGGUCAUGGGUUCAAGC 60
chr-12.trna6-Lys-CTT    GCCCGUCUAGCUCAAUCAAUAAAGCGCAAGGCUCUUAACCUUAUGGUCAUGGGUUCGAGC 60
chr-5.trna20-Lys-CTT    GCCCGUCUAGCUCAAUCAAUAAAGCGCAAGGCUCUUAACCUUAUGGUCAUGGGUUCGAGC 60
chr-5.trna21-Lys-CTT    GUCCGUCUAGCUCAGUCUAUAGAGCACAAGGCUCUUAACCUUGUGGUCAUGGAUUUGAGC 60
chr-12.trna7-Lys-CTT    GUCCGUCUAGCUCAGUCUAUAGAGCACAAGGCUCUUAACCUUGUGGUCAUGGAUUUGAGC 60
chr-5.trna14-Lys-CTT    GUUUGUCUAGCUCAAUCAGUAGAGUGCAAGGCUCUUAACCUUGUGGUCAUGGGUUCGAGC 60
chr-12.trna1-Lys-CTT    GUUUGUCUAGCUCAAUCAGUAGAGUGCAAGGCUCUUAACCUUGUGGUCAUGGGUUCGAGC 60
chr-5.trna16-Lys-CTT    UCUUGUCUAGCUCAGUUGGAAUAGCACAAGGCUCUUAACCUUGUGGUUGUGGGUUCGAGC 60
chr-4.trna12-Lys-CTT    GGUCUCAUAGCUCAAUUUGUAGAGCGCAAGGCUCUUAACCUUGUGGUCGUGGGUUCGAGC 60
chr-16.trna16-Lys-TTT   GCCAUCUUAACUCGGUCGGUAGAGUGUAUGGCUUUUUACCACACAUGGUCGUGGGCUCGAUU 60
chr-7.trna37-Lys-TTT    G-------AGCUUAGCUGGUAGAGAGCAUGACUUUUAACCAUGUGGUCAUGGGUUUGAUU 53
                        .........10........20........30........40........50.........

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chr-5.trna15-Lys-CTT    CCCAUGGUGG--GUG 73
chr-12.trna2-Lys-CTT    CCCAUGGUGG--GUG 73
chr-5.trna11-Lys-CTT    CCCACGAUGG--GCG 73
chr-18.trna5-Lys-CTT    CCCACGGUGG--GCG 73
chr-1.trna21-Lys-CTT    CCCACGGUGG--GCG 73
chr-2.trna25-Lys-CTT    CCCACGGUGG--GCG 73
chr-14.trna5-Lys-CTT    CCCACGGUGG--GCG 73
chr-13.trna15-Lys-CTT   CCCACGGUGG--GCG 73
chr-9.trna5-Lys-CTT     CCCACGGUGG--GCG 73
chr-14.trna31-Lys-CTT   CCCACGGUGG--GCG 73
chr-15.trna16-Lys-CTT   CCCACGGUGG--GCG 73
chr-1.trna3-Lys-TTT     CCCACAGACG--GCG 73
chr-6.trna21-Lys-TTT    CCCACAGACG--GCG 73
chr-7.trna11-Lys-TTT    CCCACAGACG--GCG 73
chr-7.trna12-Lys-TTT    CCCACAGACG--GCG 73
chr-7.trna26-Lys-TTT    CCCACAGACG--GCG 73
chr-13.trna26-Lys-TTT   CCCACAGACG--GCG 73
chr-13.trna25-Lys-TTT   CCCACAGACG--GCG 73
chr-13.trna24-Lys-TTT   CCCACAGACG--GCG 73
chr-13.trna23-Lys-TTT   CCCACAGACG--GCG 73
chr-8.trna12-Lys-TTT    CCCACAGACG--GCG 73
chr-5.trna30-Lys-TTT    CCCAUAAACG--GCG 73
chr-15.trna7-Lys-TTT    CCUGCUAUAC--CCA 73
chr-5.trna12-Lys-CTT    CCCACGAUGG--GCG 73
chr-8.trna37-Lys-CTT    CCCACGGUGG--GCG 72
chr-5.trna23-Lys-CTT    CCCACACUGG--GCG 73
chr-12.trna6-Lys-CTT    CCCAUGGUGG--GCA 73
chr-5.trna20-Lys-CTT    CCCAUGGUGG--GCA 73
chr-5.trna21-Lys-CTT    CCCAUGGUGG--GCA 73
chr-12.trna7-Lys-CTT    -CCAUGGUGG--GCA 72
chr-5.trna14-Lys-CTT    CCCAUGGUGG--GUG 73
chr-12.trna1-Lys-CTT    CCCAUGGUGG--GUG 73
chr-5.trna16-Lys-CTT    CCCACGAUGG--GCA 73
chr-4.trna12-Lys-CTT    CCCACAGUGG--GCA 73
chr-16.trna16-Lys-TTT   CCCACAGAUGAUGCA 75
chr-7.trna37-Lys-TTT    CCCACAAA----ACA 64
                        .........70....
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