```
                          (((((((((.(......).))((.(((((((.......)))))))..))))))....
chr-3.trna18-Lys-TTT      GGGUGCAUAGCUCAGUUGGUAGAACAUUGGGCUUUUAACCUAAUGGUCGCAGGUUCAGGU 60
chr-9.trna17-Lys-TTT      GGGUGUAUAGCUCAGUUGGUAGAGCAUUGGGCUUUUAACCUAAUGGUCGUAGGUUCAAGU 60
chr-1.trna29-Lys-CTT      GCCCGUCUAGCUCAGUUGGUAGAGCGCAAGGCUCUUAACCUUGUGGUCGUGGGUUCGAGC 60
chr-2.trna12-Lys-CTT      GCCCGUCUAGCUCAGUUGGUAGAGCGCAAGGCUCUUAACCUUGUGGUCGUGGGUUCGAGC 60
chr-10.trna49-Lys-CTT     GCCCGUCUAGCUCAGUUGGUAGAGCGCAAGGCUCUUAACCUUGUGGUCGUGGGUUCGAGC 60
chr-2.trna14-Lys-CTT      GCCCGUCUAGCUCAGUUGGUAGAGCGCAAGGCUCUUAACCUUGUGGUCGUGGGUUCGAGC 60
chr-9.trna13-Lys-CTT      GCCCGUCUAGCUCAGUUGGUAGAGCGCAAGGCUCUUAACCUUGUGGUCGUGGGUUCGAGC 60
chr-9.trna5-Lys-CTT       GCCCGUCUAGCUCAGUUGGUAGAGCGCAAGGCUCUUAACCUUGUGGUCGUGGGUUCGAGC 60
chr-2.trna58-Lys-CTT      GCCCGUCUAGCUCAGUUGGUAGAGCGCAAGGCUCUUAACCUUGUGGUCGUGGGUUCGAGC 60
chr-2.trna86-Lys-CTT      GCCCGUCUAGCUCAGUUGGUAGAGCGCAAGGCUCUUAACCUUGUGGUCGUGGGUUCGAGC 60
chr-7.trna5-Lys-CTT       GCCCGUCUAGCUCAGUUGGUAGAGCGCAAGGCUCUUAACCUUGUGGUCGUGGGUUCGAGC 60
chr-5.trna17-Lys-CTT      GCCCGUCUAGCUCAGUUGGUAGAGCGCAAGGCUCUUAACCUUGUGGUCGUGGGUUCGAGC 60
chr-7.trna3-Lys-CTT       GCCCGUCUAGCUCAGUUGGUAGAGCGCAAGGCUCUUAACCUUGUGGUCGUGGGUUCGAGC 60
chr-6.trna27-Lys-CTT      GCCCGUCUAGCUCAGUUGGUAGAGCGCAAGGCUCUUAACCUUGUGGUCGUGGGUUCGAGC 60
chr-5.trna27-Lys-CTT      GCCCGUCUAGCUCAGUUGGUAGAGCGCAAGGCUCUUAACCUUGUGGUCGUGGGUUCGAGC 60
chr-5.trna53-Lys-CTT      GCCCGUCUAGCUCAGUUGGUAGAGCGCAAGGCUCUUAACCUUGUGGUCGUGGGUUCGAGC 60
chr-5.trna58-Lys-CTT      GCCCGUCUAGCUCAGUUGGUAGAGCGCAAGGCUCUUAACCUUGUGGUCGUGGGUUCGAGC 60
chr-5.trna57-Lys-CTT      GCCCGUCUAGCUCAGUUGGUAGAGCGCAAGGCUCUUAACCUUGUGGUCGUGGGUUCGAGC 60
chr-7.trna4-Lys-CTT       GCCCGUCUAGCUCAGUUGGUAGAGCGCAAGGCUCUUAACCUUGUGGUCGUGGGUUCGAGC 60
chr-1.trna23-Lys-TTT      GCCGUCUUAGCUCAGCCGGUAGAGCGCGUGGCUUUUAACCACGUGGUCGUGGGUUCGAUU 60
chr-7.trna30-Lys-TTT      GCCGUCUUAGCUCAGCCGGUAGAGCGCGUGGCUUUUAACCACGUGGUCGUGGGUUCGAUU 60
chr-6.trna3-Lys-TTT       GCCGUCUUAGCUCAGCCGGUAGAGCGCGUGGCUUUUAACCACGUGGUCGUGGGUUCGAUU 60
chr-1.trna1-Lys-TTT       GCCGUCUUAGCUCAGCCGGUAGAGCGCGUGGCUUUUAACCACGUGGUCGUGGGUUCGAUU 60
chr-4.trna36-Lys-TTT      GCCGUCUUAGCUCAGCCGGUAGAGCGCGUGGCUUUUAACCACGUGGUCGUGGGUUCGAUU 60
chr-4.trna35-Lys-TTT      GCCGUCUUAGCUCAGCCGGUAGAGCGCGUGGCUUUUAACCACGUGGUCGUGGGUUCGAUU 60
chr-4.trna28-Lys-TTT      GCCGUCUUAGCUCAGCCGGUAGAGCGCAUGGCUUUUAACCAUGUGGUCGUGGGUUCGAUU 60
chr-4.trna27-Lys-TTT      GCCGUCUUAGCUCAGCCGGUAGAGCGCAUGGCUUUUAACCAUGUGGUCGUGGGUUCGAUU 60
chr-10.trna50-Lys-TTT     GCCGUCUUAGCUCAGCCGGUAGAGCGCAUGGCUUUUAACCAUGUGGUCGUGGGUUCGAUU 60
chr-2.trna68-Lys-TTT      GCCGUCUUAGCUCAGCCGGUAGAGCGCGUGGCUUUUAACCACGUGGUCGUGGGUUCGAUU 60
chr-2.trna90-Lys-TTT      GCCGUCUUAGCUCAGCCGGUAGAGCGCGUGGCUUUUAACCACGUGGUCGUGGGUUCGAUU 60
chr-2.trna89-Lys-TTT      GCCGUUUUAGCUCAGCCGGUAGAGCGCGUGGCUUUUAACCACGUGGUCGUGGGUUCGAUU 60
chr-6.trna26-Lys-TTT      GCCGUCUUAGCUCAGCUGGUAGAGCGCAUGGCUUUUAACCAUGUGGUCGUGGGUUCGAUU 60
chr-7.trna8-Lys-TTT       GCCGUCUUAGCUCAGCUGGUAGAGCGCAUGGCUUUUAACCAUGUGGUCGUGGGUUCGAUU 60
chr-3.trna21-Lys-TTT      UGGGGCGUGGCCAAG-UGGUAAGGCAACGGGUUUUUGUCCCGCUAUUCGGAGGUUCGAAU 59
                          .........10........20........30........40........50.........
                          ))))))))))).
chr-3.trna18-Lys-TTT      CCUGCUAUACCCA 73
chr-9.trna17-Lys-TTT      CCUGCUAUACCCA 73
chr-1.trna29-Lys-CTT      CCCACGGUGGGCG 73
chr-2.trna12-Lys-CTT      CCCACGGUGGGCG 73
chr-10.trna49-Lys-CTT     CCCACGGUGGGCG 73
chr-2.trna14-Lys-CTT      CCCACGGUGGGCG 73
chr-9.trna13-Lys-CTT      CCCACGGUGGGCG 73
chr-9.trna5-Lys-CTT       CCCACGGUGGGCG 73
chr-2.trna58-Lys-CTT      CCCACGGUGGGCG 73
chr-2.trna86-Lys-CTT      CCCACGGUGGGCG 73
chr-7.trna5-Lys-CTT       CCCACGGUGGGCG 73
chr-5.trna17-Lys-CTT      CCCACGGUGGGCG 73
chr-7.trna3-Lys-CTT       CCCACGGUGGGCG 73
chr-6.trna27-Lys-CTT      CCCACGGUGGGCG 73
chr-5.trna27-Lys-CTT      CCCACGGUGGGCG 73
chr-5.trna53-Lys-CTT      CCCACGGUGGGCG 73
chr-5.trna58-Lys-CTT      CCCACGGUGGGCG 73
chr-5.trna57-Lys-CTT      CCCACGGUGGGCG 73
chr-7.trna4-Lys-CTT       CCCACGGUGGGCU 73
chr-1.trna23-Lys-TTT      CCCACAGACGGCG 73
chr-7.trna30-Lys-TTT      CCCACAGACGGCG 73
chr-6.trna3-Lys-TTT       CCCACAGACGGCG 73
chr-1.trna1-Lys-TTT       CCCACAGACGGCG 73
chr-4.trna36-Lys-TTT      CCCACAGACGGCG 73
chr-4.trna35-Lys-TTT      CCCACAGACGGCG 73
chr-4.trna28-Lys-TTT      CCCACAGACGGCG 73
chr-4.trna27-Lys-TTT      CCCACAGACGGCG 73
chr-10.trna50-Lys-TTT     CCCACAGACGGCG 73
chr-2.trna68-Lys-TTT      CCCACAGACGGCG 73
chr-2.trna90-Lys-TTT      CCCACAGACGGCG 73
chr-2.trna89-Lys-TTT      CCCACAGACGGCG 73
chr-6.trna26-Lys-TTT      CCCACAGACGGCG 73
chr-7.trna8-Lys-TTT       CCCACAGACGGCG 73
chr-3.trna21-Lys-TTT      CCUUCCGUCCCAG 72
                          .........70..
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