```
                                (((((((((.(......)..)))(.(((((((.......)))))))..))))).....
chr-5.trna35-Lys-TTT    GCCGUCUUAGCUCA-CUGG-UAGAGCGCGGGGCUUUUAACCACGCGGUCAUGGGUUUGAU 58
chr-1.trna22-Lys-TTT    GGGUGUAUAGCUCAGUUGG-UAGAGCAUUGGGCUUUUAACCUAAUGGUCGCAGGUUCAAG 59
chr-8.trna19-Lys-TTT    GCCGUCUUAGCUCAGCUGG-UAGAGCGCAUGGCUUUUAACCAUGUGGUCGUGGGUUCGAU 59
chr-8.trna41-Lys-TTT    GCCGUCUUAGCUCAGCUGG-UAGAGCGCGUGGCUUUUAACCACGUGGUCGUGGGUUCGAU 59
chr-1.trna45-Lys-TTT    GCCGUCUUAGCUCAGCCGG-UAGAGCGCGUGGCUUUUAACCACGUGGUCGUGGGUUCGAU 59
chr-12.trna11-Lys-TTT   GCCGUCUUAGCUCAGCCGG-UAGAGCGCAUGGCUUUUAACCAUGUGGUCGUGGGUUCGAU 59
chr-11.trna3-Lys-TTT    GCCGUCUUAGCUCAGCCGG-UAGAGCGCGUGGCUUUUAACCACGUGGUCGUGGGUUCGAU 59
chr-9.trna17-Lys-TTT    GCCGUCUUAGCUCAGCCGG-UAGAGCGCAUGGCUUUUAACCAUGUGGUCGUGGGUUCGAU 59
chr-7.trna29-Lys-TTT    GCCGUCUUAGCUCAGCCGG-UAGAGCGCGUGGCUUUUAACCACGUGGUCGUGGGUUCGAU 59
chr-7.trna28-Lys-TTT    GCCGUCUUAGCUCAGCCGG-UAGAGCGCGUGGCUUUUAACCACGUGGUCGUGGGUUCGAU 59
chr-8.trna40-Lys-TTT    GCCGUCUUAGCUCAGCCGG-UAGAGCGCGUGGCUUUUAACCACGUGGUCGUGGGUUCGAU 59
chr-9.trna16-Lys-TTT    GCCGUCUUAGCUCAGCCGG-UAGAGCGCAUGGCUUUUAACCAUGUGGUCGUGGGUUCGAU 59
chr-9.trna14-Lys-TTT    GCCGUCUUAGCUCAGCCGG-UAGAGCGCAUGGCUUUUAACCAUGUGGUCGUGGGUUCGAU 59
chr-2.trna69-Lys-CTT    GCCCGUCUAGCUCAGUUGG-UAGAGCGCAAGGCUCUUAACCUUGUGGUCGUGGGUUCGAG 59
chr-3.trna20-Lys-CTT    GCCCGUCUAGCUCAGUUGG-UAGAGCGCAAGGCUCUUAACCUUGUGGUCGUGGGUUCGAG 59
chr-12.trna21-Lys-CTT   GCCCGUCUAGCUCAGUUGG-UAGAGCGCAAGGCUCUUAACCUUGUGGUCGUGGGUUCGAG 59
chr-4.trna50-Lys-CTT    GCCCGUCUAGCUCAGUUGG-UAGAGCGCAAGGCUCUUAACCUUGUGGUCGUGGGUUCGAG 59
chr-5.trna63-Lys-CTT    GCCCGUCUAGCUCAGUUGG-UAGAGCGCAAGGCUCUUAACCUUGUGGUCGUGGGUUCGAG 59
chr-5.trna64-Lys-CTT    GCCCGUCUAGCUCAGUUGG-UAGAGCGCAAGGCUCUUAACCUUGUGGUCGUGGGUUCGAG 59
chr-6.trna11-Lys-CTT    GCCCGUCUAGCUCAGUUGG-UAGAGCGCAAGGCUCUUAACCUUGUGGUCGUGGGUUCGAG 59
chr-6.trna12-Lys-CTT    GCCCGUCUAGCUCAGUUGG-UAGAGCGCAAGGCUCUUAACCUUGUGGUCGUGGGUUCGAG 59
chr-7.trna27-Lys-CTT    GCCCGUCUAGCUCAGUUGG-UAGAGCGCAAGGCUCUUAACCUUGUGGUCGUGGGUUCGAG 59
chr-12.trna46-Lys-CTT   GCCCGUCUAGCUCAGUUGG-UAGAGCGCAAGGCUCUUAACCUUGUGGUCGUGGGUUCGAG 59
chr-7.trna35-Lys-CTT    GCCCGUCUAGCUCAGUUGG-UAGAGCGCAAGGCUCUUAACCUUGUGGUCGUGGGUUCGAG 59
chr-8.trna39-Lys-CTT    GCCCGUCUAGCUCAGUUGG-UAGAGCGCAAGGCUCUUAACCUUGUGGUCGUGGGUUCGAG 59
chr-1.trna15-Lys-CTT    GCCCGUCUAGCUCAGUUGG-UAGAGCGCAAGGCUCUUAACCUUGUGGUCGUGGGUUCGAG 59
chr-7.trna36-Lys-CTT    GCCCGUCUAGCUCAGUUGG-UAGAGCGCAAGGCUCUUAACCUUGUGGUCGUGGGUUCGAA 59
chr-6.trna13-Lys-CTT    GAUCGUCUAGCUCAGUUGG-UAGAGCGCAAGGCUCUUAACCUUGUGGUCGUGGGUUCGAG 59
chr-4.trna44-Lys-CTT    GCCCGUCUAGCUCAGUUCG-UAGAGCGCAAGGCUCUUAACCUUGUAGUUGUGGGUUUGAG 59
chr-3.trna50-Lys-TTT    GCCGUCUUAGCUCAG-UGG-UAGAGCGCGUGGCUUUUAACCACGUGGUCGUGGGUUCGAU 58
chr-8.trna10-Lys-TTT    GCCGUCUUAGCUCAG-UGG-UAGAGCGCGUGGCUUUUAACCACGUGGUCGUGGGUUCGAU 58
chr-5.trna20-Lys-TTT    GCCGUCUUAGCUCAG-UGG-UAGAGCGCGUGGCUUUUAACCACGUGGUCGUGGGUUCGAU 58
chr-8.trna54-Lys-TTT    GCCGUCUUAGCUCAG-UGG-UAGAGCGCGUGGCUUUUAACCACGUGGUCGUGGGUUCGAU 58
chr-5.trna34-Lys-TTT    GCCGUCUUAGCUCAG-UGG-UAGAGCGCGUGGCUUUUAACCACGUGGUCGUGGGUUCGAU 58
chr-6.trna31-Lys-TTT    GCCGUCUUAGCUCAG-UGG-UAGAGCGCGUGGCUUUUAACCACGUGGUCGUGGGUUCGAU 58
chr-5.trna36-Lys-TTT    GCCGUCUUAGCUCAG-UGG-UAGAGCGCGUGGCUUUUAACCACGUGGUCGUGGGUUCGAU 58
chr-5.trna37-Lys-TTT    GCCGUCUUAGCUCAG-UGG-UAGAGCACGUGGCUUUUAACCACGUGGUCGUGGGUUUGAU 58
chr-5.trna28-Lys-TTT    GCCGUCUUAGCUCAG-UGG-UAGAGCGCGUGGCUUUUAACCACGUGGUCGUGGGUUCGAU 58
chr-3.trna15-Lys-TTT    GUCUUCUUAGCUCAG-AGG-UAGAGCACGUGGCUUUUAACCACGUGGUUGUGGGUUCGAU 58
chr-3.trna16-Lys-TTT    GCCUUCUUAGCUCAG-AGG-UAGAGCGCGUGGCUUUUAACCACGUGGUCGUGGGUUCGAU 58
chr-3.trna62-Lys-TTT    GCUGUCUUAGCUCAG-AGG-UAGAGCACUUGGCUUUUAACCACAUGGACGUGGGUUCAAU 58
chr-7.trna10-Lys-TTT    GCUGGAAUAGCUCAGUUGGUUAGAGCGUGUGGCUUUUAACCACAAGGUCGGAGGUUCAAG 60
chr-6.trna22-Lys-CTT    GCUGGAAUAGCUCAGUUGGAUAGAGCGUGUGGCCCUUAACCACAAGGUCGGAAAUUCAAG 60
chr-4.trna45-Lys-CTT    UACCGUCUAGCUUAGUUGG-UAGAGUGCAAGGCUCUUAACCUUGUAGUCGUGGGUUCAAG 59
                        .........10........20........30........40........50.........

                        .)))))....))))...))).
chr-5.trna35-Lys-TTT    CCCCAC----AAAC---GGCG 72
chr-1.trna22-Lys-TTT    UCCUGC----UAUA---CCCA 73
chr-8.trna19-Lys-TTT    UCCCAC----AGAC---GGCG 73
chr-8.trna41-Lys-TTT    UCCCAC----AGAC---GGCG 73
chr-1.trna45-Lys-TTT    UCCCAC----AGAC---GGCG 73
chr-12.trna11-Lys-TTT   UCCCAC----AGAC---GGCG 73
chr-11.trna3-Lys-TTT    UCCCAC----AGAC---GGCG 73
chr-9.trna17-Lys-TTT    UCCCAC----AGAC---GGCG 73
chr-7.trna29-Lys-TTT    UCCCAC----AGAC---GGCG 73
chr-7.trna28-Lys-TTT    UCCCAC----AGAC---GGCG 73
chr-8.trna40-Lys-TTT    UCCCAC----AGAC---GGCG 73
chr-9.trna16-Lys-TTT    UCCCAC----AGAC---GGCG 73
chr-9.trna14-Lys-TTT    UCCCAC----AGAC---GGCG 73
chr-2.trna69-Lys-CTT    CCCCAC----GGUG---GGCG 73
chr-3.trna20-Lys-CTT    CCCCAC----GGUG---GGCG 73
chr-12.trna21-Lys-CTT   CCCCAC----GGUG---GGCG 73
chr-4.trna50-Lys-CTT    CCCCAC----GGUG---GGCG 73
chr-5.trna63-Lys-CTT    CCCCAC----GGUG---GGCG 73
chr-5.trna64-Lys-CTT    CCCCAC----GGUG---GGCG 73
chr-6.trna11-Lys-CTT    CCCCAC----GGUG---GGCG 73
chr-6.trna12-Lys-CTT    CCCCAC----GGUG---GGCG 73
chr-7.trna27-Lys-CTT    CCCCAC----GGUG---GGCG 73
chr-12.trna46-Lys-CTT   CCCCAC----GGUG---GGCG 73
chr-7.trna35-Lys-CTT    CCCCAC----GGUG---GGCG 73
chr-8.trna39-Lys-CTT    CCCCAC----GGUG---GGCG 73
chr-1.trna15-Lys-CTT    CCCCAC----GGUG---GGCG 73
chr-7.trna36-Lys-CTT    CCCCAC----GGUG---GGCG 73
chr-6.trna13-Lys-CTT    CCCCAC----GGUG---GGCG 73
chr-4.trna44-Lys-CTT    CCCCAC----GGUG---GGCG 73
chr-3.trna50-Lys-TTT    CCCCAC----AGAC---GGCG 72
chr-8.trna10-Lys-TTT    CCCCAC----AGAC---GGCG 72
chr-5.trna20-Lys-TTT    CCCCAC----AGAC---GGCG 72
chr-8.trna54-Lys-TTT    CCCCAC----AGAC---GGCG 72
chr-5.trna34-Lys-TTT    CCCCAC----AGAC---GGCG 72
chr-6.trna31-Lys-TTT    CCCCAC----AGAC---GGCG 72
chr-5.trna36-Lys-TTT    CCCCAC----AGAC---GGCG 72
chr-5.trna37-Lys-TTT    CCCCAC----AGAC---GGCG 72
chr-5.trna28-Lys-TTT    CCCCAC----AAAC---GGCG 72
chr-3.trna15-Lys-TTT    CCCUAC----AGAU---GGCG 72
chr-3.trna16-Lys-TTT    CCCCAC----AGAU---GGCG 72
chr-3.trna62-Lys-TTT    CCCCAC----AGAC---GGUG 72
chr-7.trna10-Lys-TTT    CCCUCC----UUCU---AGCG 74
chr-6.trna22-Lys-CTT    CCAUCC----UUCU---UGCG 74
chr-4.trna45-Lys-CTT    CCCCACGGUGGGCGUUCUUAA 80
                        .........70........80
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