```
                                 (((((((..((((........))))))(((.(((.....)))).))).....(((((.......
chr-A1.trna7-Lys-CTT             GCCCGUCUAGCUCAGUUGGUAGAGCGCAAGGCUCUUAACCUUGUGGUCGUGGGU------ 54
chr-A1.trna40-Lys-CTT            GCCCGUCUAGCUCAGUUGGUAGAGCGCAAGGCUCUUAACCUUGUGGUCGUGGGU------ 54
chr-A1.trna54-Lys-CTT            GCCCGUCUAGCUCAGUUGGUAGAGCGCAAGGCUCUUAACCUUGUGGUCGUGGGU------ 54
chr-A1.trna61-Lys-CTT            GCCCGUCUAGCUCAGUUGGUAGAGCGCAAGGCUCUUAACCUUGUGGUCGUGGGU------ 54
chr-A10.trna38-Lys-CTT           GCCCGUCUAGCUCAGUUGGUAGAGCGCAAGGCUCUUAACCUUGUGGUCGUGGGU------ 54
chr-A10.trna4-Lys-CTT            GCCCGUCUAGCUCAGUUGGUAGAGCGCAAGGCUCUUAACCUUGUGGUCGUGGGU------ 54
chr-A9.trna184-Lys-CTT           GCCCGUCUAGCUCAGUUGGUAGAGCGCAAGGCUCUUAACCUUGUGGUCGUGGGU------ 54
chr-A2.trna48-Lys-CTT            GCCCGUCUAGCUCAGUUGGUAGAGCGCAAGGCUCUUAACCUUGUGGUCGUGGGU------ 54
chr-A2.trna128-Lys-CTT           GCCCGUCUAGCUCAGUUGGUAGAGCGCAAGGCUCUUAACCUUGUGGUCGUGGGU------ 54
chr-A9.trna121-Lys-CTT           GCCCGUCUAGCUCAGUUGGUAGAGCGCAAGGCUCUUAACCUUGUGGUCGUGGGU------ 54
chr-A3.trna11-Lys-CTT            GCCCGUCUAGCUCAGUUGGUAGAGCGCAAGGCUCUUAACCUUGUGGUCGUGGGU------ 54
chr-A9.trna92-Lys-CTT            GCCCGUCUAGCUCAGUUGGUAGAGCGCAAGGCUCUUAACCUUGUGGUCGUGGGU------ 54
chr-A9.trna77-Lys-CTT            GCCCGUCUAGCUCAGUUGGUAGAGCGCAAGGCUCUUAACCUUGUGGUCGUGGGU------ 54
chr-A3.trna68-Lys-CTT            GCCCGUCUAGCUCAGUUGGUAGAGCGCAAGGCUCUUAACCUUGUGGUCGUGGGU------ 54
chr-A3.trna74-Lys-CTT            GCCCGUCUAGCUCAGUUGGUAGAGCGCAAGGCUCUUAACCUUGUGGUCGUGGGU------ 54
chr-A3.trna75-Lys-CTT            GCCCGUCUAGCUCAGUUGGUAGAGCGCAAGGCUCUUAACCUUGUGGUCGUGGGU------ 54
chr-A3.trna133-Lys-CTT           GCCCGUCUAGCUCAGUUGGUAGAGCGCAAGGCUCUUAACCUUGUGGUCGUGGGU------ 54
chr-A4.trna3-Lys-CTT             GCCCGUCUAGCUCAGUUGGUAGAGCGCAAGGCUCUUAACCUUGUGGUCGUGGGU------ 54
chr-A8.trna73-Lys-CTT            GCCCGUCUAGCUCAGUUGGUAGAGCGCAAGGCUCUUAACCUUGUGGUCGUGGGU------ 54
chr-A4.trna35-Lys-CTT            GCCCGUCUAGCUCAGUUGGUAGAGCGCAAGGCUCUUAACCUUGUGGUCGUGGGU------ 54
chr-A8.trna40-Lys-CTT            GCCCGUCUAGCUCAGUUGGUAGAGCGCAAGGCUCUUAACCUUGUGGUCGUGGGU------ 54
chr-A5.trna5-Lys-CTT             GCCCGUCUAGCUCAGUUGGUAGAGCGCAAGGCUCUUAACCUUGUGGUCGUGGGU------ 54
chr-A6.trna1-Lys-CTT             GCCCGUCUAGCUCAGUUGGUAGAGCGCAAGGCUCUUAACCUUGUGGUCGUGGGU------ 54
chr-A6.trna65-Lys-CTT            GCCCGUCUAGCUCAGUUGGUAGAGCGCAAGGCUCUUAACCUUGUGGUCGUGGGU------ 54
chr-A6.trna86-Lys-CTT            GCCCGUCUAGCUCAGUUGGUAGAGCGCAAGGCUCUUAACCUUGUGGUCGUGGGU------ 54
chr-A9.trna143-Lys-CTT           GCCCGUCUAGCUCAGUUGGUAGAGCGCAAGGCUCUUAACCUUGUGGUCGUGGGU------ 54
chr-A8.trna24-Lys-CTT            GCCCGUCUAGCUCAGUUGGUAGAGCGCAAGGCUCUUAACCUUGUGGUCGUGGGU------ 54
chr-A9.trna12-Lys-CTT            GCCCGUCUAGCUCAGUUGGUAGAGCGCAAGGCUCUUAACCUUGUGGUCGUGGGU------ 54
chr-A8.trna11-Lys-CTT            GCCCGUGUAGCUCAGUUGGUAGAGCGCAAGGCUCUUAACCUUGUGGUCGUGGGU------ 54
chr-A10.trna54-Lys-CTT           GCCCGUCUAGCUCAGUUGGUAGAGCGCAAGGCUCUUAACAUUGUGGUCGUGGGU------ 54
chr-A8.trna52-Lys-CTT            GCCCGUCUAGCUCAGUUGGUAGAGCGCAAGGCUCUUAACCUUGUGGUCGUGGGUUCGAAG 60
chr-A1.trna39-Lys-TTT            GCCGACUUAGCUCAG-UGGUAGAGCGCGUGACUUUUAAUCCCGUGGCCGUGGGU------ 53
chr-A4.trna26-Lys-TTT            GCCGUCUUAGCUCAG-UGGUAGAGCGCGUGACUUUUAAUCCCGUGGCCGAGGGU------ 53
chr-A1.trna45-Lys-TTT            GCCGUCUUAGCUCAG-UGGUAGAGCGCGUGACUUUUAAUCCCGUGGCCGUGGGU------ 53
chr-A6.trna49-Lys-TTT            GCCGUCUUAGCUCAG-UGGUAGAGCGCGUGACUUUUAAUCCCGUGGCCGUGGGU------ 53
chr-A6.trna42-Lys-TTT            GCCGUCUUAGCUCAG-UGGUAGAGCGCGUGACUUUUAAUCCCGUGGCCGUGGGU------ 53
chr-A9.trna179-Lys-TTT           GCCGUCUUAGCUCAG-UGGUAGAGCGCGUGACUUUUAAUCCCGUGGCCGUGGGU------ 53
chr-A7.trna4-Lys-TTT             GCCGUCUUAGCUCAG-UGGUAGAGCGCGUGACUUUUAAUCCCGUGGCCGUGGGU------ 53
chr-A2.trna28-Lys-TTT            GCCGUCUUAGCUCAG-UGGUAGAGCGCGUGACUUUUAAUCCCGUGGCCGUGGGU------ 53
chr-A5.trna52-Lys-TTT            GCCGUCUUAGCUCAG-UGGUAGAGCGCGUGACUUUUAAUCCCGUGGCCGUGGGU------ 53
chr-A5.trna44-Lys-TTT            GCCGUCUUAGCUCAG-UGGUAGAGCGCGUGACUUUUAAUCCCGUGGCCGUGGGU------ 53
chr-A7.trna55-Lys-TTT            GCCGUCUUAGCUCAG-UGGUAGAGCGCGUGACUUUUAAUCCCGUGGCCGUGGGU------ 53
chr-A7.trna21-Lys-TTT            GCCGACUUAGCUCAG-UGGUAGAGCGCGUGACUUUUAAUCCCGUGGCCGUGGGU------ 53
chr-A8.trna5-Lys-TTT             GCCGUCUUAGCUCAG-UGGUAGAGCGCGUGACUUUUAAUCCCGUGGCCGUGGGU------ 53
chr-A2.trna79-Lys-TTT            GCCGACUUAGCUCAG-UGGUAGAGCGCGUGACUUUUAAUCCCGUGGCCGUGGGU------ 53
chr-A7.trna79-Lys-TTT            GCCGACUUAGCUCAG-UGGUAGAGCGCGUGACUUUUAAUCCCGUGGCCGUGGGU------ 53
chr-A9.trna13-Lys-TTT            GCCGUCUUAGCUCAG-UGGUAGAGCGCGUGACUUUUAAUCCCGUGGCCGUGGGU------ 53
chr-A9.trna17-Lys-TTT            GCCGUCUUAGCUCAG-UGGUAGAGCGCGUGACUUUUAAUCCCGUGGCCGUGGGU------ 53
chr-A9.trna24-Lys-TTT            GCCGACUUAGCUCAG-UGGUAGAGCGCGUGACUUUUAAUCCCGUGGCCGUGGGU------ 53
chr-A3.trna50-Lys-TTT            GCCGUCUUAGCUCAG-UGGUAGAGCGCGUGACUUUUAAUCCCGUGGCCGUGGGU------ 53
chr-A3.trna31-Lys-TTT            GCCGUCUUAGCUCAG-UGGUAGAGCGCGUGACUUUUAAUCCCGUGGCCGUGGGU------ 53
chr-A3.trna10-Lys-TTT            GCCGUCUUAGCUCAG-UGGUAGAGCGCGUGACUUUUAAUCCCGUGGCCGUGGGU------ 53
chr-A10.trna53-Lys-TTT           GCCGUCUUAGCUCAG-UGGUAGAGCGCGUGACUUUUAAUCCCGUGGCCGUGGGU------ 53
chr-A2.trna13-Lys-TTT            GCCGUCUUAGCUCAG-UGGUAGAGCGCGUGACUUUUAAUCCCGUGGCCGUGGGU------ 53
chr-A9.trna118-Lys-TTT           GCCGUCUUAGCUCAG-UGGUAGAGCGCGUGACUUUUAAUCCCGUGGCCGUGGGU------ 53
chr-A2.trna61-Lys-TTT            GCCGACUUAGCUCAG-UGGUAGAGCGCGUGACUUUUAAUCACGUGGCCGUGGGU------ 53
chr-A6.trna66-Lys-TTT            GCCGUCUUAGCUCUG-UGGUAGAGCGGGUGACUUUUAAUCCCGUGGCCGUGGGU------ 53
chr-A6.trna37-Lys-TTT            GCCGUCUUAGCUCAG-UGGUAGAGCGCGUGACUUUUAAUCCCGUGGCCGUGGGU------ 53
chr-A9.trna54-Lys-TTT            GCCGUCUUAGCUCAG-UGGUACAGCGCGUGACUUUUAAUCCCGUGGCCGUGGGU------ 53
chr-A8.trna6-Lys-TTT             GCCGUCUUAGCUCAG-UGGUAGAGAGUGACUUUUAAUCCCGUGGCCGUGGGU------ 53
chr-A6.trna26-Lys-CTT            AUAUUAA-AGCUCAGUUGGUAGAGCGCAAGGCUCUUAACCUUGUGGUCGUGGGUUCGAGU 59
                                 .........10........20........30........40........50.........
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                                 .........)))))))))))).
chr-A1.trna7-Lys-CTT             -U--CGAGCCCCACGGUGGGCG 73
chr-A1.trna40-Lys-CTT            -U--CGAGCCCCACGGUGGGCG 73
chr-A1.trna54-Lys-CTT            -U--CGAGCCCCACGGUGGGCG 73
chr-A1.trna61-Lys-CTT            -U--CGAGCCCCACGGUGGGCG 73
chr-A10.trna38-Lys-CTT           -U--CGAGCCCCACGGUGGGCG 73
chr-A10.trna4-Lys-CTT            -U--CGAGCCCCACGGUGGGCG 73
chr-A9.trna184-Lys-CTT           -U--CGAGCCCCACGGUGGGCG 73
chr-A2.trna48-Lys-CTT            -U--CGAGCCCCACGGUGGGCG 73
chr-A2.trna128-Lys-CTT           -U--CGAGCCCCACGGUGGGCG 73
chr-A9.trna121-Lys-CTT           -U--CGAGCCCCACGGUGGGCG 73
chr-A3.trna11-Lys-CTT            -U--CGAGCCCCACGGUGGGCG 73
chr-A9.trna92-Lys-CTT            -U--CGAGCCCCACGGUGGGCG 73
chr-A9.trna77-Lys-CTT            -U--CGAGCCCCACGGUGGGCG 73
chr-A3.trna68-Lys-CTT            -U--CGAGCCCCACGGUGGGCG 73
chr-A3.trna74-Lys-CTT            -U--CGAGCCCCACGGUGGGCG 73
chr-A3.trna75-Lys-CTT            -U--CGAGCCCCACGGUGGGCG 73
chr-A3.trna133-Lys-CTT           -U--CGAGCCCCACGGUGGGCG 73
chr-A4.trna3-Lys-CTT             -U--CGAGCCCCACGGUGGGCG 73
chr-A8.trna73-Lys-CTT            -U--CGAGCCCCACGGUGGGCG 73
chr-A4.trna35-Lys-CTT            -U--CGAGCCCCACGGUGGGCG 73
chr-A8.trna40-Lys-CTT            -U--CGAGCCCCACGGUGGGCG 73
chr-A5.trna5-Lys-CTT             -U--CGAGCCCCACGGUGGGCG 73
chr-A6.trna1-Lys-CTT             -U--CGAGCCCCACGGUGGGCG 73
chr-A6.trna65-Lys-CTT            -U--CGAGCCCCACGGUGGGCG 73
chr-A6.trna86-Lys-CTT            -U--CGAGCCCCACGGUGGGCG 73
chr-A9.trna143-Lys-CTT           -U--CGAGCUCCACGGUGGGCG 73
chr-A8.trna24-Lys-CTT            -U--CGAGUUCCACGGUGGGCG 73
chr-A9.trna12-Lys-CTT            -U--CGAGCACCACGGUGGGCG 73
chr-A8.trna11-Lys-CTT            -U--CGAGCCCCACGGUGGGCG 73
chr-A10.trna54-Lys-CTT           -U--CGAGCCCCACGGUGGGCG 73
chr-A8.trna52-Lys-CTT            UU--CGAACCCCACGGUGGGCG 80
chr-A1.trna39-Lys-TTT            -U--CGAUCCCCACAGUCGGCG 72
chr-A4.trna26-Lys-TTT            -U--CGAUCCCCUCAGACGGCG 72
chr-A1.trna45-Lys-TTT            -U--CGAUCCCCACAGACGGCG 72
chr-A6.trna49-Lys-TTT            -U--CGAUCCCCACAGACGGCG 72
chr-A6.trna42-Lys-TTT            -U--CGAUCCCCACAGACGGCG 72
chr-A9.trna179-Lys-TTT           -U--CGAUCCCCACAGACGGCG 72
chr-A7.trna4-Lys-TTT             -U--CGAUCCCCACAGACGGCG 72
chr-A2.trna28-Lys-TTT            -U--CGAUCCCCACAGACGGCG 72
chr-A5.trna52-Lys-TTT            -U--CGAUCCCCACAGACGGCG 72
chr-A5.trna44-Lys-TTT            -U--CGAUCCCCACAGACGGCG 72
chr-A7.trna55-Lys-TTT            -U--CGAUCCCCACAGACGGCG 72
chr-A7.trna21-Lys-TTT            -U--CGAUCCCCACAGUCGGCG 72
chr-A8.trna5-Lys-TTT             -U--CGAUCCCCACAGACGGCG 72
chr-A2.trna79-Lys-TTT            -U--CGAUCCCCACAGUCGGCG 72
chr-A7.trna79-Lys-TTT            -U--CGAUCCCCACAGUCGGCG 72
chr-A9.trna13-Lys-TTT            -U--CGAUCCCCACAGACGGCG 72
chr-A9.trna17-Lys-TTT            -U--CGAUCCCCACAGACGGCG 72
chr-A9.trna24-Lys-TTT            -U--CGAUCCCCACAGUCGGCG 72
chr-A3.trna50-Lys-TTT            -U--CGAUCCCCACAGACGGCG 72
chr-A3.trna31-Lys-TTT            -U--CGAUCCCCACAGACGGCG 72
chr-A3.trna10-Lys-TTT            -U--CGAUCCCCACAGACGGCG 72
chr-A10.trna53-Lys-TTT           -U--CGAUGCCCACAGACGGCG 72
chr-A2.trna13-Lys-TTT            -U--CGAUGCCCACAGACGGCG 72
chr-A9.trna118-Lys-TTT           -U--CGAUGCCCACAGACGGCG 72
chr-A2.trna61-Lys-TTT            -U--CGAUCCCCACAGUCGGCG 72
chr-A6.trna66-Lys-TTT            -U--CGAUCUCCACAGACGGCG 72
chr-A6.trna37-Lys-TTT            -U--CGAUCGCCACAGACGGCG 72
chr-A9.trna54-Lys-TTT            -U--CGAUUCCCACAGACGGCG 72
chr-A8.trna6-Lys-TTT             -U--CGAUUCCCGCAGAUGACG 72
chr-A6.trna26-Lys-CTT            CCCACGGUGGGCGCUUAAUAUA 81
                                 .........70........80.
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