```
                                (((((((.(((........((.......)).)))((((.......))))((((((...))
chr-A1.trna37-Ser-AGA     GUGGACGUGCC-------GGAGUGGUUAUCGGGCAUGACUAGAAAUCAUGUGGGCUUUGC 53
chr-A8.trna68-Ser-AGA     GUGGGCGUGCC-------GGAGUGGUUAUCGGGCAUGACUAGAAAUCAUGUGGGCUUUGC 53
chr-A2.trna18-Ser-AGA     GUGGACGUGCC-------GGAGUGGUUAUCGGGCAUGACUAGAAAUCAUGUGGGCUUUGC 53
chr-A9.trna159-Ser-AGA    GUGGACGUGCC-------GGAGUGGUUAUCGGGCAUGACUAGAAAUCAUGUGGGCUUUGC 53
chr-A9.trna166-Ser-AGA    GUGGACGUGCC-------GGAGUGGUUAUCGGGCAUGACUAGAAAUCAUGUGGGCUUUGC 53
chr-A3.trna15-Ser-AGA     GUGGACGUGCC-------GGAGUGGUUAUCGGGCAUGACUAGAAAUCAUGUGGGCUUUGC 53
chr-A5.trna40-Ser-AGA     GUGGACGUGCC-------GGAGUGGUUAUCGGGCAUGACUAGAAAUCAUGUGGGCUUUGC 53
chr-A9.trna108-Ser-AGA    GUGGACGUGCC-------GGAGUGGUUAUCGGGCAUGACUAGAAAUCAUGUGGGCUUUGC 53
chr-A9.trna85-Ser-AGA     GUGGACGUGCC-------GGAGUGGUUAUCGGGCAUGACUAGAAAUCAUGUGGGCUUUGC 53
chr-A6.trna20-Ser-AGA     GUGGACGUGCC-------GGAGUGGUUAUCGGGCAUGACUAGAAAUCAUGUGGGCUUUGC 53
chr-A9.trna30-Ser-AGA     GUGGACGUGCC-------GGAGUGGUUAUCGGGCAUGACUAGAAAUCAUGUGGGCUUUGC 53
chr-A6.trna92-Ser-AGA     GUGGACGUGCC-------GGAGUGGUUAUCGGGCAUGACUAGAAAUCAUGUGGGCUUUGC 53
chr-A8.trna66-Ser-AGA     GUGGACGUGCC-------GGAGUGGUUAUCGGGCAUGACUAGAAAUCAUGUGGGCUUUGC 53
chr-A8.trna47-Ser-AGA     GUGGACGUGCC-------GGAGUGGUUAUCGGGCAUGACUAGAAAUCAUGUGGGCUUUGC 53
chr-A7.trna72-Ser-AGA     GUGGACGUGCC-------GGAGUGGUUAUCGGGCAUGACUAGAAAUCAUGUGGGCUUUGC 53
chr-A7.trna56-Ser-AGA     GUGGACGUGCC-------GGAGUGGUUAUCGGGCAUGACUAGAAAUCAUGUGGGCUUUGC 53
chr-A7.trna46-Ser-AGA     GUGGACGUGCC-------GGAGUGGUUAUCGGGCAUGACUAGAAAUCAUGUGGGCUUUGC 53
chr-A7.trna33-Ser-AGA     GUGGACGUGCC-------GGAGUGGUUAUCGGGCAUGACUAGAAAUCAUGUGGGCUUUGC 53
chr-A1.trna36-Ser-AGA     GUGGACGUGCC-------GGAGUGGUUAUCGGGCAUGACUAGAAAUCAUGUGGGCUCUGC 53
chr-A2.trna93-Ser-AGA     GUGGACGUGCC-------GGAGUGGUUAUCGGGCAUGACUAGAAAUCAUGUGGGCUCUGC 53
chr-A7.trna11-Ser-AGA     GUGGACGUGCC-------GGAGUGGUUAUCGGGCAUGACUAGAAAUCAUGUGGGCUCUGC 53
chr-A9.trna161-Ser-AGA    GUGGAUGUGCC-------GGAGUGGUUAUCGGGCAUGACUAGAAAUCAUGUGGGCUUUGC 53
chr-A9.trna152-Ser-AGA    GUGGACAUGCC-------GGAGUGGUUAUCGGGCAUGACUAGAAAUCAUGUGGGCUUUGC 53
chr-A6.trna80-Ser-AGA     GUGGGCGUGCC-------GGAGUGGUUAUCGGGCAUGACUAGAAAUCAUGUGGGCUUUGC 53
chr-A9.trna164-Ser-AGA    GUGGACGUGCC-------GGAGUGGUUAUCGGGCAUGACUAGAAAUCAUGUCGGCUUUGC 53
chr-A9.trna31-Ser-AGA     GUGGACGUGCC-------GGAGUGGUUAUCCGGGAUGACUAGAAAUCAUGUGGGCUUUGC 53
chr-A9.trna154-Ser-AGA    GUGGACGUGCC-------UGAGUGGUUAUCGGGCAUGACUAGAAAUCAUGUUGGCUUUGC 53
chr-A9.trna157-Ser-AGA    GUGGACGUGCC-------AGAGUGGUUAUCGGGCAUGACUAGAAAUCAUAUGGGGUUUGC 53
chr-A2.trna33-Ser-AGA     GUAAUGGUGUCAUCAAAGGUGGACGUGAUCGGGCAUGACUAGAAAUCAUGUGGGCUUUGC 60
                          .........10........20........30........40........50.........

                          ))))((((.......)))))))))))).
chr-A1.trna37-Ser-AGA     CCGCGCAGGUUCGAAUCCUGCCGUUCACG 82
chr-A8.trna68-Ser-AGA     CCGCGCAGGUUCGAAUCCUGCCGCUCACG 82
chr-A2.trna18-Ser-AGA     CCGCGCAGGUUCGAAUCCUGCCGUUCACG 82
chr-A9.trna159-Ser-AGA    CCGCGCAGGUUCGAAUCCUGCCGUUCACG 82
chr-A9.trna166-Ser-AGA    CCGCGCAGGUUCGAAUCCUGCCGUUCACG 82
chr-A3.trna15-Ser-AGA     CCGCGCAGGUUCGAAUCCUGCCGUUCACG 82
chr-A5.trna40-Ser-AGA     CCGCGCAGGUUCGAAUCCUGCCGUUCACG 82
chr-A9.trna108-Ser-AGA    CCGCGCAGGUUCGAAUCCUGCCGUUCACG 82
chr-A9.trna85-Ser-AGA     CCGCGCAGGUUCGAAUCCUGCCGUUCACG 82
chr-A6.trna20-Ser-AGA     CCGCGCAGGUUCGAAUCCUGCCGUUCACG 82
chr-A9.trna30-Ser-AGA     CCGCGCAGGUUCGAAUCCUGCCGUUCACG 82
chr-A6.trna92-Ser-AGA     CCGCGCAGGUUCGAAUCCUGCCGUUCACG 82
chr-A8.trna66-Ser-AGA     CCGCGCAGGUUCGAAUCCUGCCGUUCACG 82
chr-A8.trna47-Ser-AGA     CCGCGCAGGUUCGAAUCCUGCCGUUCACG 82
chr-A7.trna72-Ser-AGA     CCGCGCAGGUUCGAAUCCUGCCGUUCACG 82
chr-A7.trna56-Ser-AGA     CCGCGCAGGUUCGAAUCCUGCCGUUCACG 82
chr-A7.trna46-Ser-AGA     CCGCGCAGGUUCGAAUCCUGCCGUUCACG 82
chr-A7.trna33-Ser-AGA     CCGCGCAGGUUCGAAUCCUGCCGUUCACG 82
chr-A1.trna36-Ser-AGA     CCGCGCAGGUUCGAAUCCUGCCGUUCACG 82
chr-A2.trna93-Ser-AGA     CCGCGCAGGUUCGAAUCCUGCCGUUCACG 82
chr-A7.trna11-Ser-AGA     CCGCGCAGGUUCGAAUCCUGCCGUUCACG 82
chr-A9.trna161-Ser-AGA    CCGCGCAGGUUCAAAUCCUGCCGUUCACG 82
chr-A9.trna152-Ser-AGA    CCGCGCAGGUUUGAAUCCUGCCGUUCACG 82
chr-A6.trna80-Ser-AGA     CCGCGCAGGUUUGAAUCCUGCCGCUCACG 82
chr-A9.trna164-Ser-AGA    CCGCGCAGGUUCGAAUCCUGCCGUUCACG 82
chr-A9.trna31-Ser-AGA     CCGCGCAGGUUCGAAUCUUUCCGUUCACG 82
chr-A9.trna154-Ser-AGA    CCGUACAGGUUCGAAUCCUGCUGUUCACG 82
chr-A9.trna157-Ser-AGA    CCGCGCAGGUUCGAAUCCUGCCAAUCACG 82
chr-A2.trna33-Ser-AGA     CCGCGCAGGUUCGAAUCCUGCCGUUCACG 89
                          .........70........80........
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