```
                                                  (((((((..(((.(.........)).)))((((((.....)))))).)((.....
chr-1.trna77-Leu-TAA    GGUGGUUUGCCCGAG-U----GGU-UAAGGGGGAAGACUUAAGAUCUUC--UGCACAUAA 52
chr-7.trna42-Leu-TAA    GCUGGUUUGCCCGAG-A----GGU-UAAGGGGGAAGACUUAAGAUCUUC--UGCACAUAA 52
chr-8.trna40-Leu-TAA    GCUGGUUUGCCCGAG-A----GGU-UAAGGGGGAAGACUUAAGAUCUUC--UGCACAUAA 52
chr-7.trna35-Leu-TAA    GCUGGUUUGCCCGAG-A----GGU-UAAGGGGGAAGACUUAAGAUCUUC--UGCACACAA 52
chr-2.trna55-Leu-CAA    GUCAGGAUGGCCGAG-U----GGUCUAAGGCGCCAGACUCAAGUUCUGG--UCUUCGUGA 53
chr-10.trna40-Leu-CAA   GUUAGGAUGGCCGAG-U----GGUCUAAGGCGCCAGACUCAAGUUCUGG--UCCUCGUGA 53
chr-7.trna6-Leu-CAA     GUCAGGAUGGCCGAG-U----GGUCUAAGGCGCCAGACUCAAGUUCUGG--UCUUCGUGA 53
chr-3.trna3-Leu-CAA     GUCAGGAUGGCCGAG-U----GGUCUAAGGCGCCAGACUCAAGUUCUGG--UCUUCGUAA 53
chr-1.trna16-Leu-CAA    GUCAGGAUGGCCGAG-U----GGUCUAAGGCGCCAGACUCAAGUUCUGG--UCUUCGAGA 53
chr-5.trna3-Leu-CAA     GUCAGGAUGGCCGAG-U----GGUCUAAGGCGCCAGACUCAAGUUCUGG--UCUUCGAGA 53
chr-8.trna34-Leu-CAA    GUCAGGAUGGCCGAG-U----GGUCUAAGGCGCCAGACUCAAGUUCUGG--UCUACGAAA 53
chr-12.trna21-Leu-CAG   GUCAAGAUGGCCGAGUU----GGUCUAAGGCGCCAGUUUCAGGUACUGG---CC----GA 49
chr-6.trna46-Leu-CAG    GUCAAGAUGGCCGAGUU----GGUCUAAGGCGCCAGUUUCAGGUACUGG--UCC----GA 50
chr-12.trna33-Leu-CAG   GUCAAGAUGGCCGAGUU----GGUCUAAGGCGCCAGUUUCAGGUACUGG--UCC----GA 50
chr-12.trna22-Leu-CAG   GUCAAGAUGGCCGAGUU----GGUCUAAGGCGCCAGUUUCAGGUACUGG--UCC----GA 50
chr-1.trna37-Leu-AAG    GUUGAGAUGGCCGAGUU----GGUCUAAGGCGCCAGAUUAAGGUUCUGG--UCC----GA 50
chr-8.trna7-Leu-AAG     GUCGAGAUGGCCGAGUU----GGUCUAAGGCGCCAGAUUAAGGUUCUGG--UCC----GA 50
chr-9.trna40-Leu-AAG    GUUGAGAUGGCCGAGUU----GGUCUAAGGCGCCAGAUUAAGGUUCUGG--UCC----GA 50
chr-9.trna41-Leu-AAG    GUUGAGAUGGCCGAGUU----GGUCUAAGGCGCCAGAUUAAGGUUCUGG--UCC----GA 50
chr-9.trna63-Leu-AAG    GUUGAGAUGGCCGAGUU----GGUCUAAGGCGCCAGAUUAAGGUUCUGG--UCC----GA 50
chr-9.trna64-Leu-AAG    GUUGAGAUGGCCGAGUU----AGUCUAAGGCGCCAGAUUAAGGUUCUGG--UCC----GA 50
chr-10.trna46-Leu-AAG   GUUGAGAUGGCCGAGUU----GGUCUAAGGUGCGAGAUUAAGGUUCUGG--UCC----AA 50
chr-3.trna30-Leu-TAG    GACAGUUUGGCCGAG-U----GGUCUAAGGCGCCAGAUUUAGGCUCUGG--UCC----GA 49
chr-6.trna53-Leu-TAG    GACAGUUUGGCCGAG-U----GGUCUAAGGCGCCAGAUUUAGGCUCUGG--UCC----GA 49
chr-8.trna37-Leu-TAG    GACAGUUUGGCCGAG-U----GGUCUAAGGCGCCAGAUUUAGGCUCUGG--UCC----GA 49
chr-7.trna57-Leu-TAG    GACGGUUUGGCCGAG-U----GGUCUAAGGCGCCAGAUUUAGGCUCUGG--UCC----GA 49
chr-7.trna55-Leu-TAG    GACAGUUUGGCCGAG-U----GGUCUAAGGCGCCAGAUUUAGGCUCUAG--UCC----GA 49
chr-1.trna43-Leu-TAG    GACAGUUUGGCCGAG-U----GGUCUAAGGCGCCAGAUUUAGGCUCUGG--UCC----GA 49
chr-10.trna60-Leu-CAA   GCCUUGGUGGUGAAA-U----GGU-AGACACGCGAGACUCAAAAUCUCG--UGCU--AAA 50
chr-7.trna46-Leu-TAG    GCCGCUAUGGUGAAAUU----GGU-AGACACGCUGCUCUUAGGAAGCAG--UGCU--AA- 50
chr-11.trna28-Leu-TAA   GGAAUGAAUGUCUGAGC----GGUUCAAAGAGUCGGUCUUAAAAACCGAAGUAUUCAUAG 56
chr-12.trna52-Leu-TAA   GUGCCUGUAGCUCAG-U----GG--------AUAGGGCGUUAUUUCCUA--AGCU---GA 42
chr-11.trna23-Leu-AAG   GGGUGGGGCUUGGAGCUCAGAGGAUUAGAGUAGGUGGCUAAGAACCACG---------- 49
                        .........10........20........30........40........50.........

                                                  ..))..(((((.......)))))))))))).
chr-1.trna77-Leu-TAA    GUGCGCGUGGGUUCGAACCCCACAGCCACCA 83
chr-7.trna42-Leu-TAA    GUGCGCAUGGGUUCGAACCCCAUAGCCAGCA 83
chr-8.trna40-Leu-TAA    GUGCGCAUGGGUUCGAACCCCAUAGCCAGCA 83
chr-7.trna35-Leu-TAA    GUGCGCAAGGGUUCGAACCCCAUAGCCAGCA 83
chr-2.trna55-Leu-CAA    GAGGGCGUGGGUUCAAAUCCCACUUCUGACA 84
chr-10.trna40-Leu-CAA   GAGGGCGUGGGUUCAAAUCCCACUUCUGACA 84
chr-7.trna6-Leu-CAA     GAGGGCGUGGGUUCAAAUCCCACUUCUGACA 84
chr-3.trna3-Leu-CAA     GAGGGCGUGGGUUCAAAUCCCACUUCUGACA 84
chr-1.trna16-Leu-CAA    GAGGGCGUGGGUUCAAAUCCCACUUCUGACA 84
chr-5.trna3-Leu-CAA     GAGGGCGUGGGUUCAAAUCCCACUUCUGACA 84
chr-8.trna34-Leu-CAA    GUGGGCGUGGGUUCAAAUCCCACUUCUGACA 84
chr-12.trna21-Leu-CAG   AAGGGCAUGGGUUCAAAUCCCAUUCUUGACA 80
chr-6.trna46-Leu-CAG    AAGGGCAUGGGUUCGAAUCCCAUUCUUGACA 81
chr-12.trna33-Leu-CAG   AAGGGCAUGGGUUCGAAUCCCAUUCUUGACA 81
chr-12.trna22-Leu-CAG   AAGGGCAUGGGUUCAAAUCCCAUUCUUGACA 81
chr-1.trna37-Leu-AAG    AAGGGCGUGGGUUCAAAUCCCACUCUCAACA 81
chr-8.trna7-Leu-AAG     AAGGGCGUGGGUUCAAAUCCCACUCUCGACA 81
chr-9.trna40-Leu-AAG    AAGGGCGUGGGUUCAAAUCCCACUCUCAACA 81
chr-9.trna41-Leu-AAG    AAGGGCGUGGGUUCAAAUCCCACUCUCAACA 81
chr-9.trna63-Leu-AAG    AAGGGCGUGGGUUCAAAUCCCACUCUCAACA 81
chr-9.trna64-Leu-AAG    AAGGGCGUGGGUUCAAAUCCCACUCUCAACA 81
chr-10.trna46-Leu-AAG   AAGGGCGUGGGUUCAAAUCCCACUCUCAACA 81
chr-3.trna30-Leu-TAG    AAGGGCGUGGGUUCAAAUCCCACAGCUGUCA 80
chr-6.trna53-Leu-TAG    AAGGGCGUGGGUUCAAAUCCCACAGCUGUCA 80
chr-8.trna37-Leu-TAG    AAGGGCGUGGGUUCAAAUCCCACAGCUGUCA 80
chr-7.trna57-Leu-TAG    AAGGGCGUGGGUUCAAAUCCCACAGCCGUCA 80
chr-7.trna55-Leu-TAG    AAGGGCGUGGGAUCAAAUCCCACAGAUGUCA 80
chr-1.trna43-Leu-TAG    AAGGGGGUGGGUUCAAUUCAUACAGCUGUCA 80
chr-10.trna60-Leu-CAA   UAGCGUGGAGGUUCGAUUCCUCUUCAAGGCA 81
chr-7.trna46-Leu-TAG    -UGCAUCUCGGUUCAAGUCCGAGUGGCGGCA 80
chr-11.trna28-Leu-TAA   AAAUACUGGGGUUCAAAUCCCUCUCCAUCCG 87
chr-12.trna52-Leu-TAA   AAGUU-GUAGGUUCGACCCCUACCUGGCACG 72
chr-11.trna23-Leu-AAG   -UUGUUAAAGGUUUGAAUCCUUCCUCGCCCG 79
                        .........70........80........90
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