```
                        (((((((...((((.....)))).....(((((.......)))))).....(((((.......)))))
chr-1.trna29-Gly-GCC    GCACCAGUGGUCUAGUGG-UAGAAUAGUACCCUGCCACGGUACAGACCCGGGUUCGAUUC 59
chr-1.trna79-Gly-GCC    GCACCAGUGGUCUAGUGG-UAGAAUAGUACCCUGCCACGGUACAGACCCGGGUUCGAUUC 59
chr-2.trna2-Gly-GCC     GCACCAGUGGUCUAGUGG-UAGAAUAGUACCCUGCCACGGUACAGACCCGGGUUCGAUUC 59
chr-9.trna90-Gly-GCC    GCACCAGUGGUCUAGUGG-UAGAAUAGUACCCUGCCACGGUACAGACCCGGGUUCGAUUC 59
chr-9.trna77-Gly-GCC    GCACCAGUGGUCUAGUGG-UAGAAUAGUACCCUGCCACGGUACAGACCCGGGUUCGAUUC 59
chr-9.trna65-Gly-GCC    GCACCAGUGGUCUAGUGG-UAGAAUAGUACCCUGCCACGGUACAGACCCGGGUUCGAUUC 59
chr-9.trna62-Gly-GCC    GCACCAGUGGUCUAGUGG-UAGAAUAGUACCCUGCCACGGUACAGACCCGGGUUCGAUUC 59
chr-2.trna52-Gly-GCC    GCACCAGUGGUCUAGUGG-UAGAAUAGUACCCUGCCACGGUACAGACCCGGGUUCGAUUC 59
chr-3.trna1-Gly-GCC     GCACCAGUGGUCUAGUGG-UAGAAUAGUACCCUGCCACGGUACAGACCCGGGUUCGAUUC 59
chr-9.trna33-Gly-GCC    GCACCAGUGGUCUAGUGG-UAGAAUAGUACCCUGCCACGGUACAGACCCGGGUUCGAUUC 59
chr-9.trna31-Gly-GCC    GCACCAGUGGUCUAGUGG-UAGAAUAGUACCCUGCCACGGUACAGACCCGGGUUCGAUUC 59
chr-9.trna19-Gly-GCC    GCACCAGUGGUCUAGUGG-UAGAAUAGUACCCUGCCACGGUACAGACCCGGGUUCGAUUC 59
chr-9.trna1-Gly-GCC     GCACCAGUGGUCUAGUGG-UAGAAUAGUACCCUGCCACGGUACAGACCCGGGUUCGAUUC 59
chr-3.trna62-Gly-GCC    GCACCAGUGGUCUAGUGG-UAGAAUAGUACCCUGCCACGGUACAGACCCGGGUUCGAUUC 59
chr-8.trna32-Gly-GCC    GCACCAGUGGUCUAGUGG-UAGAAUAGUACCCUGCCACGGUACAGACCCGGGUUCGAUUC 59
chr-7.trna11-Gly-GCC    GCACCAGUGGUCUAGUGG-UAGAAUAGUACCCUGCCACGGUACAGACCCGGGUUCGAUUC 59
chr-4.trna5-Gly-GCC     GCACCAGUGGUCUAGUGG-UAGAAUAGUACCCUGCCACGGUACAGACCCGGGUUCGAUUC 59
chr-4.trna18-Gly-GCC    GCACCAGUGGUCUAGUGG-UAGAAUAGUACCCUGCCACGGUACAGACCCGGGUUCGAUUC 59
chr-6.trna16-Gly-GCC    GCACCAGUGGUCUAGUGG-UAGAAUAGUACCCUGCCACGGUACAGACCCGGGUUCGAUUC 59
chr-3.trna2-Gly-GCC     GCACCAGUGGUCUAGUGG-UAGAAUAGUACCCUGCCACGGUACAGACCCGGCUUCGAUUC 59
chr-1.trna105-Gly-CCC   GCGCAUCUGGUGUAGUGG-UAUCAUAGUACCCUCCCACGGUACUGACCGGGGUUCGAUUC 59
chr-9.trna46-Gly-CCC    GCGCAUCUGGUGUAGUGG-UAUCAUAGUACCCUCCCACGGUACUGACCGGGGUUCGAUUC 59
chr-6.trna14-Gly-CCC    GCGCAUCUGGUGUAGUGG-UAUCAUAGUACCCUCCCACGGUACUGACCGGGGUUCGAUUC 59
chr-2.trna4-Gly-CCC     GCGCAUCUGGUGUAGUGG-UAUCAUAGUACCCUCCCACGGUACUGACCGGGGUUCGAUUC 59
chr-2.trna18-Gly-CCC    GCGCAUCUGGUGUAGUGG-UAUCAUAGUACCCUCCCACGGUACUGACCGGGGUUCGAUUC 59
chr-9.trna37-Gly-CCC    GCGCAUCUGGUGUAGUGG-UAUCAUAGUACCCUCCCACGGUACUGACCGGGGUUCGAUUC 59
chr-5.trna87-Gly-TCC    GCGUUUGUAGUCCAACGGUUAGGAUAAUUGCCUUCCAAGCAAUAGACCCGGGUUCGACUC 60
chr-2.trna9-Gly-TCC     GCGUUUGUAGUCCAACGGUUAGGAUAAUUGCCUUCCAAGCAAUAGACCCGGGUUCGACUC 60
chr-3.trna7-Gly-TCC     GCGUUUGUAGUCCAACGGUUAGGAUAAUUGCCUUCCAAGCAAUAGACCCGGGUUCGACUC 60
chr-6.trna29-Gly-TCC    GCGUUUGUAGUCCAACGGUUAGGAUAAUUGCCUUCCAAGCAAUAGACCCGGGUUCGACUC 60
chr-8.trna39-Gly-TCC    GCGUUUGUAGUCCAACGGUUAGGAUAAUUGCCUUCCAAGCAAUAGACCCGGGUUCGACUC 60
chr-7.trna3-Gly-TCC     GCGUCUGUAGUCCAACGGUUAGGAUAAUUGCCUUCCAAGCAAUAGACCCGGGUUCGACUC 60
chr-2.trna51-Gly-TCC    GCGUUUGUAGUCCAACGGUUAGGAUAAUUGCCUUCCAAGCAAUAGACCCGGGUUCGACUC 60
chr-6.trna27-Gly-TCC    GCGUUUGUAGUCCAACGGUUAGGAUAAUUGCCUUCCAAGCAAUAGACCCGGGUUCGACUC 60
chr-1.trna41-Gly-GCC    GCGAGCCUAGUUCAAUGG-UAAAACAUCUCCUUGCCAAGGAGAAGAUACGGGUUCGAUUC 59
chr-9.trna91-Gly-GCC    GCGAGCAUAGUUCAGUGG-UAAAACAUCUCUUUGCCAAUGAGAAGAUACGGGUUCGAUUC 59
                        .........10........20........30........40........50.........
                        ))))))))))).
chr-1.trna29-Gly-GCC    CCGGCUGGUGCA 71
chr-1.trna79-Gly-GCC    CCGGCUGGUGCA 71
chr-2.trna2-Gly-GCC     CCGGCUGGUGCA 71
chr-9.trna90-Gly-GCC    CCGGCUGGUGCA 71
chr-9.trna77-Gly-GCC    CCGGCUGGUGCA 71
chr-9.trna65-Gly-GCC    CCGGCUGGUGCA 71
chr-9.trna62-Gly-GCC    CCGGCUGGUGCA 71
chr-2.trna52-Gly-GCC    CCGGCUGGUGCA 71
chr-3.trna1-Gly-GCC     CCGGCUGGUGCA 71
chr-9.trna33-Gly-GCC    CCGGCUGGUGCA 71
chr-9.trna31-Gly-GCC    CCGGCUGGUGCA 71
chr-9.trna19-Gly-GCC    CCGGCUGGUGCA 71
chr-9.trna1-Gly-GCC     CCGGCUGGUGCA 71
chr-3.trna62-Gly-GCC    CCGGCUGGUGCA 71
chr-8.trna32-Gly-GCC    CCGGCUGGUGCA 71
chr-7.trna11-Gly-GCC    CCGGCUGGUGCA 71
chr-4.trna5-Gly-GCC     CCGGCUGGUGCA 71
chr-4.trna18-Gly-GCC    CCGGCUGGUGCA 71
chr-6.trna16-Gly-GCC    CCGGCUGGUGCA 71
chr-3.trna2-Gly-GCC     CCGGCUGGUGCA 71
chr-1.trna105-Gly-CCC   CCCGGAUGCGCA 71
chr-9.trna46-Gly-CCC    CCCGGAUGCGCA 71
chr-6.trna14-Gly-CCC    CCCGGAUGCGCA 71
chr-2.trna4-Gly-CCC     CCCGGAUGCGCA 71
chr-2.trna18-Gly-CCC    CCCGGAUGCGCA 71
chr-9.trna37-Gly-CCC    CCCGGAUGCGCA 71
chr-5.trna87-Gly-TCC    CCGGCAAACGCA 72
chr-2.trna9-Gly-TCC     CCGGCAAACGCA 72
chr-3.trna7-Gly-TCC     CCGGCAAACGCA 72
chr-6.trna29-Gly-TCC    CCGGCAAACGCA 72
chr-8.trna39-Gly-TCC    CCGGCAAACGCA 72
chr-7.trna3-Gly-TCC     CCGGCAGACGCA 72
chr-2.trna51-Gly-TCC    CCGGCAAACGCA 72
chr-6.trna27-Gly-TCC    CCGGCAAACGUA 72
chr-1.trna41-Gly-GCC    CCGUCGCUCGCC 71
chr-9.trna91-Gly-GCC    CCAUCGCUCGCC 71
                        .........70.
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