```
                        ((((((((((((.............(((((.......)))))))))))))(((.......)
chr-1.trna27-Gly-GCC    GCACCAGUGGUCUAGUGA-UAGAAUAGUACCCUGCCACGGUACAGACCCGGGUUCGAUUC 59
chr-1.trna18-Gly-GCC    GCACCAGUGGUCUAGUGG-UAGAAUAGUACCCUGCCACGGUACAGACCCGGGUUCGAUUC 59
chr-2.trna24-Gly-GCC    GCACCAGUGGUCUAGUGG-UAGAAUAGUACCCUGCCACGGUACAGACCCGGGUUCGAUUC 59
chr-10.trna56-Gly-GCC   GCACCAGUGGUCUAGUGG-UAGAAUAGUACCCUGCCACGGUACAGACCCGGGUUCGAUUC 59
chr-3.trna7-Gly-GCC     GCACCAGUGGUCUAGUGG-UAGAAUAGUACCCUGCCACGGUACAGACCCGGGUUCGAUUC 59
chr-3.trna13-Gly-GCC    GCACCAGUGGUCUAGUGG-UAGAAUAGUACCCUGCCACGGUACAGACCCGGGUUCGAUUC 59
chr-3.trna46-Gly-GCC    GCACCAGUGGUCUAGUGG-UAGAAUAGUACCCUGCCACGGUACAGACCCGGGUUCGAUUC 59
chr-3.trna69-Gly-GCC    GCACCAGUGGUCUAGUGG-UAGAAUAGUACCCUGCCACGGUACAGACCCGGGUUCGAUUC 59
chr-3.trna72-Gly-GCC    GCACCAGUGGUCUAGUGG-UAGAAUAGUACCCUGCCACGGUACAGACCCGGGUUCGAUUC 59
chr-4.trna3-Gly-GCC     GCACCAGUGGUCUAGUGG-UAGAAUAGUACCCUGCCACGGUACAGACCCGGGUUCGAUUC 59
chr-4.trna5-Gly-GCC     GCACCAGUGGUCUAGUGG-UAGAAUAGUACCCUGCCACGGUACAGACCCGGGUUCGAUUC 59
chr-4.trna29-Gly-GCC    GCACCAGUGGUCUAGUGG-UAGAAUAGUACCCUGCCACGGUACAGACCCGGGUUCGAUUC 59
chr-4.trna70-Gly-GCC    GCACCAGUGGUCUAGUGG-UAGAAUAGUACCCUGCCACGGUACAGACCCGGGUUCGAUUC 59
chr-4.trna72-Gly-GCC    GCACCAGUGGUCUAGUGG-UAGAAUAGUACCCUGCCACGGUACAGACCCGGGUUCGAUUC 59
chr-4.trna74-Gly-GCC    GCACCAGUGGUCUAGUGG-UAGAAUAGUACCCUGCCACGGUACAGACCCGGGUUCGAUUC 59
chr-7.trna4-Gly-GCC     GCACCAGUGGUCUAGUGG-UAGAAUAGUACCCUGCCACGGUACAGACCCGGGUUCGAUUC 59
chr-4.trna77-Gly-GCC    GCACCAGUGGUCUAGUGG-UAGAAUAGUACCCUGCCACGGUACAGACCCGGGUUCGAUUC 59
chr-5.trna24-Gly-GCC    GCACCAGUGGUCUAGUGG-UAGAAUAGUACCCUGCCACGGUACAGACCCGGGUUCGAUUC 59
chr-6.trna15-Gly-GCC    GCACCAGUGGUCUAGUGG-UAGAAUAGUACCCUGCCACGGUACAGACCCGGGUUCGAUUC 59
chr-5.trna57-Gly-GCC    GCAUCAGUGGUCUAGUGG-UAGAAUAGUACCCUGCCACGGUACAGACCCGGGUUCGAUUC 59
chr-4.trna9-Gly-GCC     GCACCAGUGGUCUAGUGG-UAGAAUAGUACCCUGCCACGGUACAGACCCGGGUUCGAUUC 59
chr-8.trna27-Gly-GCC    GCACCAGUGGUCUAGUGG-UAGAAUAGUACCCUGCCACGGUACAGACCCGGGUUCGAUUU 59
chr-3.trna6-Gly-GCC     GCACCAGUGGUCUAGUGG-UAGAAUAGUACCCUGCCACGGUACAGACCCGGGUUUGAUUC 59
chr-10.trna1-Gly-GCC    GCACCAGUGGUCUAGUGG-UAGAAUAGUCCCCUGCCACGGUACAGACCCGGGUUCUAUUC 59
chr-4.trna4-Gly-GCC     GAACCAGUGGUCUAGUGG-UAGAAUAGUACCCUGCCACGGUACAGACCCGGGUUUAAUUC 59
chr-6.trna21-Gly-GCC    GCACCAGUGGCGUAGUGG-UAGAAUAGUACCCUGCCACGGUACAGAUCCGGGUGCGGCUC 59
chr-5.trna21-Gly-CCC    GCGCAUCUGGUGUAGUGG-UAUCAUAGUACCCUCCCACGGUACUGACCAGGGUUCGAUUC 59
chr-2.trna14-Gly-CCC    GCGCAUCUGGUGUAGUGG-UAUCAUAGUACCCUCCCACGGUACUGACCAGGGUUCGAUUC 59
chr-10.trna18-Gly-CCC   GCGCAUCUGGUGUAGUGG-UAUCAUAGUACCCUCCCACGGUACUGACCAGGGUUCGAUUC 59
chr-7.trna66-Gly-CCC    GCGCAUCUGGUGUAGUGG-UAUCAUAGUACCCUCCCACGGUACUGACCAGGGUUCGAUUC 59
chr-8.trna32-Gly-CCC    GCGCAUCUGGUGUAGUGG-UAUCAUAGUACCCUCCCACGGUACUGACCAGGGUUCGAUUC 59
chr-4.trna17-Gly-CCC    GCGCAUCUGGUGUAGUGG-UAUCAUAGUACCCUCCCACGGUACUGACCAGGGUUCGAUUC 59
chr-1.trna84-Gly-CCC    GAGCAUCUGGUGUAGUGG-UAUCAUAGUACCCUCCCACGGUACUGACCAGGGUUCGAUUC 59
chr-6.trna16-Gly-CCC    GCGCAUCUGGUGUAGUGG-UAUCAUAGUACCCUCCCACGGUACUGACCAGGGUUCGAUUC 59
chr-4.trna14-Gly-GCC    GCACCAGUGGUCUAGUGG-UAGAAUAGUACCCUGCCACAGUACAGAGCCGGGUUUGAUUC 59
chr-1.trna30-Gly-TCC    GCGUUUGUAGUCCAACGGUUAGGAUAAUUGCCUUCCAAGCAAUAGACCCGGGUUCGACUC 60
chr-1.trna31-Gly-TCC    GCGUUUGUAGUCCAACGGUUAGGAUAAUUGCCUUCCAAGCAAUAGACCCGGGUUCGACUC 60
chr-1.trna78-Gly-TCC    GCGUUUGUAGUCCAACGGUUAGGAUAAUUGCCUUCCAAGCAAUAGACCCGGGUUCGACUC 60
chr-5.trna1-Gly-TCC     GCGUUUGUAGUCCAACGGUUAGGAUAAUUGCCUUCCAAGCAAUAGACCCGGGUUCGACUC 60
chr-8.trna45-Gly-TCC    GCGUUUGUAGUCCAACGGUUAGGAUAAUUGCCUUCCAAGCAAUAGACCCGGGUUCGACUC 60
chr-3.trna62-Gly-TCC    GCGUUUGUAGUCCAACGGUUAGGAUAAUUGCCUUCCAAGCAAUAGACCCGGGUUCGACUC 60
chr-7.trna8-Gly-TCC     GCGUUUGUAGUCCAACGGUUAGGAUAAUUGCCUUCCAAGCAAUAGACCCGGGUUCGACUC 60
chr-7.trna28-Gly-TCC    GCGUUUGUAGUCCAACGGUUAGGAUAAUUGCCUUCCAAGCAAUAGACCCGGGUUCGACUC 60
chr-7.trna52-Gly-TCC    GCGUUUGUAGUCCAACGGUUAGGAUAAUUGCCUUCCAAGCAAUAGACCCGGGUUCGACUC 60
chr-5.trna64-Gly-TCC    GCGUUUGUAGUCCAACGGUUAGGAUAAUUGCCUUCCAAGCAAUAGACCCGGGUUCGACUC 60
chr-8.trna14-Gly-TCC    GCGUUUGUAGUCCAACGGUUAGGAUAAUUGCCUUCCAAGCAAUAGACCCGGGUUCGACUC 60
chr-5.trna28-Gly-TCC    GCGUUUGUAGUCCAACGGUUAGGAUAAUUGCCUUCCAAGCAAUAGACCCGGGUUCGACUC 60
chr-7.trna69-Gly-GCC    GUGGAUAUGGUUGAAUGG-UAAAAUUUCUCCUUGCCAAGGAGAAGAUGCAGGUUCGAUUC 59
                        .........10........20........30........40........50.........

                        )))))))))).
chr-1.trna27-Gly-GCC    CCGGCUGGUGCA 71
chr-1.trna18-Gly-GCC    CCGGCUGGUGCA 71
chr-2.trna24-Gly-GCC    CCGGCUGGUGCA 71
chr-10.trna56-Gly-GCC   CCGGCUGGUGCA 71
chr-3.trna7-Gly-GCC     CCGGCUGGUGCA 71
chr-3.trna13-Gly-GCC    CCGGCUGGUGCA 71
chr-3.trna46-Gly-GCC    CCGGCUGGUGCA 71
chr-3.trna69-Gly-GCC    CCGGCUGGUGCA 71
chr-3.trna72-Gly-GCC    CCGGCUGGUGCA 71
chr-4.trna3-Gly-GCC     CCGGCUGGUGCA 71
chr-4.trna5-Gly-GCC     CCGGCUGGUGCA 71
chr-4.trna29-Gly-GCC    CCGGCUGGUGCA 71
chr-4.trna70-Gly-GCC    CCGGCUGGUGCA 71
chr-4.trna72-Gly-GCC    CCGGCUGGUGCA 71
chr-4.trna74-Gly-GCC    CCGGCUGGUGCA 71
chr-7.trna4-Gly-GCC     CCGGCUGGUGCA 71
chr-4.trna77-Gly-GCC    CCGGCUGGUGCA 71
chr-5.trna24-Gly-GCC    CCGGCUGGUGCA 71
chr-6.trna15-Gly-GCC    CCGGCUGGUGCA 71
chr-5.trna57-Gly-GCC    CCGGCUGGUGCA 71
chr-4.trna9-Gly-GCC     CCGGCUGGUGUA 71
chr-8.trna27-Gly-GCC    CCGGCUGGUGCA 71
chr-3.trna6-Gly-GCC     CUGGCUGGUGCA 71
chr-10.trna1-Gly-GCC    CCGGCUGGUGCA 71
chr-4.trna4-Gly-GCC     CCGGCUGGUGCA 71
chr-6.trna21-Gly-GCC    CCGGCUGGUGCA 71
chr-5.trna21-Gly-CCC    CCUGGAUGCGCA 71
chr-2.trna14-Gly-CCC    CCUGGAUGCGCA 71
chr-10.trna18-Gly-CCC   CCUGGAUGCGCA 71
chr-7.trna66-Gly-CCC    CCUGGAUGCGCA 71
chr-8.trna32-Gly-CCC    CCUGGAUGCGCA 71
chr-4.trna17-Gly-CCC    CCUGGAUGCGCA 71
chr-1.trna84-Gly-CCC    CCUGGAUGCGCA 71
chr-6.trna16-Gly-CCC    CCUGGACGCGCA 71
chr-4.trna14-Gly-GCC    ACGGCUGGUACA 71
chr-1.trna30-Gly-TCC    CCGGCAAACGCA 72
chr-1.trna31-Gly-TCC    CCGGCAAACGCA 72
chr-1.trna78-Gly-TCC    CCGGCAAACGCA 72
chr-5.trna1-Gly-TCC     CCGGCAAACGCA 72
chr-8.trna45-Gly-TCC    CCGGCAAACGCA 72
chr-3.trna62-Gly-TCC    CCGGCAAACGCA 72
chr-7.trna8-Gly-TCC     CCGGCAAACGCA 72
chr-7.trna28-Gly-TCC    CCGGCAAACGCA 72
chr-7.trna52-Gly-TCC    CCGGCAAACGCA 72
chr-5.trna64-Gly-TCC    CCGGCAAACGCA 72
chr-8.trna14-Gly-TCC    CCGGCAAACGCA 72
chr-5.trna28-Gly-TCC    CCGGCAAACGCA 72
chr-7.trna69-Gly-GCC    CCGCUAUCCGCC 71
                        .........70.
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