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                        (((((((...((((.....)))).)).(((((.......)))))).....(((((.......)
chr-8.trna16-Gly-TCC    GCGUUUGUAGUCCAACGGUUAGGAUAAUUGCCUUCCAAGCAAUAGACCCGGGUUCGACUC 60
chr-8.trna15-Gly-TCC    GCGUCUGUAGUCCAACGGUUAGGAUAAUUGCCUUCCAAGCAAUAGACCCGGGUUCGACUC 60
chr-5.trna44-Gly-TCC    GCGUUUGUAGUCCAACGGUUAGGAUAAUUGCCUUCCAAGCAAUAGACCCGGGUUCGACUC 60
chr-5.trna42-Gly-TCC    GCGUUUGUAGUCCAACGGUUAGGAUAAUUGCCUUCCAAGCAAUAGACCCGGGUUCGACUC 60
chr-5.trna38-Gly-TCC    GCGUUUGUAGUCCAACGGUUAGGAUAAUUGCCUUCCAAGCAAUAGACCCGGGUUCGACUC 60
chr-5.trna36-Gly-TCC    GCGUUUGUAGUCCAACGGUUAGGAUAAUUGCCUUCCAAGCAAUAGACCCGGGUUCGACUC 60
chr-5.trna52-Gly-TCC    GCGUCUGUAGUCCAACGGUUAGGAUAAUUGCCUUCCAAGCAAUAGACCCGGGUUCGACUC 60
chr-5.trna18-Gly-TCC    GCGUUUGUAGUCCAACGGUUAGGAUAAUUGCCUUCCAAGCAAUAGACCCGGGUUCGACUC 60
chr-5.trna16-Gly-TCC    GCGUUUGUAGUCCAACGGUUAGGAUAAUUGCCUUCCAAGCAAUAGACCCGGGUUCGACUC 60
chr-2.trna72-Gly-TCC    GCGUUUGUAGUCCAACGGUUAGGAUAAUUGCCUUCCAAGCAAUAGACCCGGGUUCGACUC 60
chr-6.trna21-Gly-TCC    GCGUCUGUAGUCCAACGGUUAGGAUAAUUGCCUUCCAAGCAAUAGACCCGGGUUCGACUC 60
chr-3.trna1-Gly-TCC     GCGUCUGUAGUCCAACGGUUAGGAUAAUUGCCUUCCAAGCAAUAGACCCGGGUUCGACUC 60
chr-1.trna56-Gly-CCC    GCGCAUCUGGUGUAGUGG-UAUCAUAGUACCCUCCCACGGUACUGACCAGGGUUCGAUUC 59
chr-1.trna25-Gly-CCC    GCGCAUCUGGUGUAGUGG-UAUCAUAGUACCCUCCCACGGUACUGACCAGGGUUCGAUUC 59
chr-9.trna12-Gly-CCC    GCGCAUCUGGUGUAGUGG-UAUCAUAGUACCCUCCCACGGUACUGACCAGGGUUCGAUUC 59
chr-5.trna2-Gly-CCC     GCGCAUCUGGUGUAGUGG-UAUCAUAGUACCCUCCCACGGUACUGACCAGGGUUCGAUUC 59
chr-2.trna17-Gly-CCC    GCGCAUCUGGUGUAGUGG-UAUCAUAGUACCCUCCCACGGUACUGACCGGGGUUCGAUUC 59
chr-2.trna32-Gly-GCC    GCACCAGUGGUCUAGUGG-UAGAAUAGUACCCUGCCACGGUACAGACCCGGGUUCGAUUC 59
chr-2.trna33-Gly-GCC    GCACCAGUGGUCUAGUGG-UAGAAUAGUACCCUGCCACGGUACAGACCCGGGUUCGAUUC 59
chr-10.trna61-Gly-GCC   GCACCAGUGGUCUAGUGG-UAGAAUAGUACCCUGCCACGGUACAGACCCGGGUUCGAUUC 59
chr-9.trna21-Gly-GCC    GCACCAGUGGUCUAGUGG-UAGAAUAGUACCCUGCCACGGUACAGACCCGGGUUCGAUUC 59
chr-2.trna49-Gly-GCC    GCACCAGUGGUCUAGUGG-UAGAAUAGUACCCUGCCACGGUACAGACCCGGGUUCGAUUC 59
chr-9.trna8-Gly-GCC     GCACCAGUGGUCUAGUGG-UAGAAUAGUACCCUGCCACGGUACAGACCCGGGUUCGAUUC 59
chr-8.trna30-Gly-GCC    GCACCAGUGGUCUAGUGG-UAGAAUAGUACCCUGCCACGGUACAGACCCGGGUUCGAUUC 59
chr-2.trna50-Gly-GCC    GCACCAGUGGUCUAGUGG-UAGAAUAGUACCCUGCCACGGUACAGACCCGGGUUCGAUUC 59
chr-4.trna21-Gly-GCC    GCACCAGUGGUCUAGUGG-UAGAAUAGUACCCUGCCACGGUACAGACCCGGGUUCGAUUC 59
chr-7.trna28-Gly-GCC    GCACCAGUGGUCUAGUGG-UAGAAUAGUACCCUGCCACGGUACAGACCCGGGUUCGAUUC 59
chr-7.trna25-Gly-GCC    GCACCAGUGGUCUAGUGG-UAGAAUAGUACCCUGCCACGGUACAGACCCGGGUUCGAUUC 59
chr-4.trna25-Gly-GCC    GCACCAGUGGUCUAGUGG-UAGAAUAGUACCCUGCCACGGUACAGACCCGGGUUCGAUUC 59
chr-6.trna46-Gly-GCC    GCACCAGUGGUCUAGUGG-UAGAAUAGUACCCUGCCACGGUACAGACCCGGGUUCGAUUC 59
chr-6.trna43-Gly-GCC    GCACCAGUGGUCUAGUGG-UAGAAUAGUACCCUGCCACGGUACAGACCCGGGUUCGAUUC 59
chr-6.trna23-Gly-GCC    GCACCAGUGGUCUAGUGG-UAGAAUAGUACCCUGCCACGGUACAGACCCGGGUUCGAUUC 59
chr-5.trna32-Gly-GCC    GCACCAGUGGUCUAGUGG-UAGAAUAGUACCCUGCCACGGUACAGACCCGGGUUCGAUUC 59
chr-6.trna9-Gly-GCC     GCACCAGUGGUCUAGUGG-UAGAAUAGUACCCUGCCACGGUACAGACCCGGGUUCGAUUC 59
chr-6.trna4-Gly-GCC     GCACCAGUGGUCUAGUGG-UAGAAUAGUACCCUGCCACGGUACAGACCCGGGUUCGAUUC 59
chr-6.trna2-Gly-GCC     GCACCAGUGGUCUAGUGG-UAGAAUAGUACCCUGCCACGGUACAGACCCGGGUUCGAUUC 59
chr-5.trna49-Gly-GCC    GCACCAGUGGUCUAGUGG-UAGAAUAGUACCCUGCCACGGUACAGACCCGGGUUCGAUUC 59
chr-3.trna7-Gly-GCC     GUGAAUAUAAUUGAAUGG-UAAAAUUUCUCUUUGCCAAGGAGAAGAUGUGGGCUCGAUUC 59
chr-7.trna21-Gly-GCC    ACAUAUAUAGUUGAAUGG-UAAAAUUUCUCUUUGCCAAGGAGAAGACGGGGUUCGAUUC 59
chr-2.trna34-Gly-TCC    GUGUC-------CAACGUUUAGGAUAAUUUCCUUCCAAGCAAUAGACCUGGGUUCAACUC 53
                        .........10........20........30........40........50.........

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chr-8.trna16-Gly-TCC    CCGGCAGACGCA 72
chr-8.trna15-Gly-TCC    CCGGCAGACGCA 72
chr-5.trna44-Gly-TCC    CCGGCAGACGCA 72
chr-5.trna42-Gly-TCC    CCGGCAGACGCA 72
chr-5.trna38-Gly-TCC    CCGGCAGACGCA 72
chr-5.trna36-Gly-TCC    CCGGCAGACGCA 72
chr-5.trna52-Gly-TCC    CCGGCAGACGCA 72
chr-5.trna18-Gly-TCC    CCGGCAGACGCA 72
chr-5.trna16-Gly-TCC    CCGGCAGACGCA 72
chr-2.trna72-Gly-TCC    CCGGCAGACGCA 72
chr-6.trna21-Gly-TCC    CCGGCAGACGCA 72
chr-3.trna1-Gly-TCC     CCGGCAGACGCA 72
chr-1.trna56-Gly-CCC    CCUGGAUGCGCA 71
chr-1.trna25-Gly-CCC    CCUGGAUGCGCA 71
chr-9.trna12-Gly-CCC    CCUGGAUGCGCA 71
chr-5.trna2-Gly-CCC     CCUGGAUGCGCA 71
chr-2.trna17-Gly-CCC    CCCGGAUGCGCA 71
chr-2.trna32-Gly-GCC    CCGGCUGGUGCA 71
chr-2.trna33-Gly-GCC    CCGGCUGGUGCA 71
chr-10.trna61-Gly-GCC   CCGGCUGGUGCA 71
chr-9.trna21-Gly-GCC    CCGGCUGGUGCA 71
chr-2.trna49-Gly-GCC    CCGGCUGGUGCA 71
chr-9.trna8-Gly-GCC     CCGGCUGGUGCA 71
chr-8.trna30-Gly-GCC    CCGGCUGGUGCA 71
chr-2.trna50-Gly-GCC    CCGGCUGGUGCA 71
chr-4.trna21-Gly-GCC    CCGGCUGGUGCA 71
chr-7.trna28-Gly-GCC    CCGGCUGGUGCA 71
chr-7.trna25-Gly-GCC    CCGGCUGGUGCA 71
chr-4.trna25-Gly-GCC    CCGGCUGGUGCA 71
chr-6.trna46-Gly-GCC    CCGGCUGGUGCA 71
chr-6.trna43-Gly-GCC    CCGGCUGGUGCA 71
chr-6.trna23-Gly-GCC    CCGGCUGGUGCA 71
chr-5.trna32-Gly-GCC    CCGGCUGGUGCA 71
chr-6.trna9-Gly-GCC     CCGGCUGGUGCA 71
chr-6.trna4-Gly-GCC     CCGGCUGGUGCA 71
chr-6.trna2-Gly-GCC     CCGGCUGGUGCA 71
chr-5.trna49-Gly-GCC    CCGGCUGGUGCA 71
chr-3.trna7-Gly-GCC     CCGCUAUCCACC 71
chr-7.trna21-Gly-GCC    CCGCUAUCUGCC 71
chr-2.trna34-Gly-TCC    CCGGCAGAUGCA 65
                        .........70.
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