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                                                 (((((((...((((.....)))).....(((((.......)))))....(((((.......)
chr-1.trna14-Gly-GCC     GCGAGCGUAGUUCAGUGG-UAAAACAUCUCCUUGCCAAGGAGAAGAUACAGGUUCGAUUC 59
chr-3.trna154-Gly-GCC    GCGAGCGUAGUUCAGUGG-UAAAACAUCUCCUUGCCAAGGAGAAGAUACGGGUUCAAUUC 59
chr-10.trna44-Gly-TCC    GCGUUUGUAGUCCAACGGUUAGGAUAAUUGCCUUCCAAGCAAUAGACCCGGGUUCGACUC 60
chr-6.trna6-Gly-TCC      GCGUUUGUAGUCCAACGGUUAGGAUAAUUGCCUUCCAAGCAAUAGACCCGGGUUCGACUC 60
chr-9.trna80-Gly-TCC     GCGUUUGUAGUCCAACGGUUAGGAUAAUUGCCUUCCAAGCAAUAGACCCGGGUUCGACUC 60
chr-3.trna146-Gly-TCC    GCGUCUGUAGUCCAACGGUUAGGAUAAUUGCCUUCCAAGCAAUAGACCCGGGUUCGACUC 60
chr-2.trna253-Gly-TCC    GUGUCUGUAGUCCAACGGUUAGGAUAAUUGCCUUCCAAGCAAUAGACCCGGGUUCGACUC 60
chr-7.trna7-Gly-TCC      GCGUUUGUAGUCCAACGGUUAGGAUAAUUGCCUUCCAAGCAAUAGACCCGGGUUCGACUC 60
chr-7.trna98-Gly-TCC     GCGUUUGUAGUCCAACGGUUAGGAUAAUUGCCUUCCAAGCAAUAGACCCGGGUUCGACUC 60
chr-1.trna256-Gly-TCC    GCGUUUGUAGUCCAACGGUUAGGAUAAUUGCCUUCCAAGCAAUAGACCCGGGUUCGACUC 60
chr-8.trna146-Gly-TCC    GCGUCUGUAGUCCAACGGUUAGGAUAAUUGCCUUCCAAGCAAUAGACCCGGGUUCGACUC 60
chr-1.trna217-Gly-TCC    GCGUUUGUAGUCCAACGGUUAGGAUAAUUGCCUUCCAAGCAAUAGACCCGGGUUCGACUC 60
chr-1.trna250-Gly-CCC    GCGCAUCUGGUGUAGUGG-UAUCAUAGUACCCUCCCACGGUACUGACCAGGGUUCGAUUC 59
chr-9.trna54-Gly-CCC     GCGCAUCUGGUGUAGUGG-UAUCAUAGUACCCUCCCACGGUACUGACCAGGGUUCGAUUC 59
chr-6.trna78-Gly-CCC     GCGCAUCUGGUGUAGUGG-UAUCAUAGUACCCUCCCACGGUACUGACCAGGGUUCGAUUC 59
chr-10.trna121-Gly-CCC   GCGCAUCUGGUGUAGUGG-UAUCAUAGUACCCUCCCACGGUACUGACCAGGGUUCGAUUC 59
chr-10.trna22-Gly-CCC    GCGCAUCUGGUGUAGUGG-UAUCAUAGUACCCUCCCACGGUACUGACCGGGGUUCGAUUC 59
chr-7.trna125-Gly-CCC    GCGCAUCUGGUGUAGUGG-UAUCAUAGUACCCUCCCACGGUACUGACCGGGGUUCGAUUC 59
chr-5.trna172-Gly-CCC    GCGCAUCUGGUGUAGUGG-UAUCAUAGUACCCUCCCACGGUACUGACCGGGGUUCGAUUC 59
chr-2.trna130-Gly-CCC    GCGCAUCUGGUGUAGUGG-UAUCAUAGUACCCUCCCACGGUACUGACCGGGGUUCGAUUC 59
chr-4.trna128-Gly-CCC    GCGCAUCUGGUGUAGUGG-UAUCAUAGUACCCUCCCACGGUACUGACCGGGGUUCGAUUC 59
chr-4.trna237-Gly-CCC    GCGCAUCUGGUGUAGUGG-UAUCAUAGUACCCUCCCACGGUACUGACCGGGGUUCGAUUC 59
chr-1.trna4-Gly-GCC      GCACCAGUGGUCUAGUGG-UAGAAUAGUACCCUGCCACGGUACAGACCCGGGUUCGAUUC 59
chr-1.trna37-Gly-GCC     GCACCAGUGGUCUAGUGG-UAGAAUAGUACCCUGCCACGGUACAGACCCGGGUUCGAUUC 59
chr-1.trna38-Gly-GCC     GCACCAGUGGUCUAGUGG-UAGAAUAGUACCCUGCCACGGUACAGACCCGGGUUCGAUUC 59
chr-1.trna144-Gly-GCC    GCACCAGUGGUCUAGUGG-UAGAAUAGUACCCUGCCACGGUACAGACCCGGGUUCGAUUC 59
chr-1.trna145-Gly-GCC    GCACCAGUGGUCUAGUGG-UAGAAUAGUACCCUGCCACGGUACAGACCCGGGUUCGAUUC 59
chr-9.trna144-Gly-GCC    GCACCAGUGGUCUAGUGG-UAGAAUAGUACCCUGCCACGGUACAGACCCGGGUUCGAUUC 59
chr-9.trna143-Gly-GCC    GCACCAGUGGUCUAGUGG-UAGAAUAGUACCCUGCCACGGUACAGACCCGGGUUCGAUUC 59
chr-9.trna100-Gly-GCC    GCACCAGUGGUCUAGUGG-UAGAAUAGUACCCUGCCACGGUACAGACCCGGGUUCGAUUC 59
chr-9.trna94-Gly-GCC     GCACCAGUGGUCUAGUGG-UAGAAUAGUACCCUGCCACGGUACAGACCCGGGUUCGAUUC 59
chr-9.trna90-Gly-GCC     GCACCAGUGGUCUAGUGG-UAGAAUAGUACCCUGCCACGGUACAGACCCGGGUUCGAUUC 59
chr-1.trna166-Gly-GCC    GCACCAGUGGUCUAGUGG-UAGAAUAGUACCCUGCCACGGUACAGACCCGGGUUCGAUUC 59
chr-9.trna73-Gly-GCC     GCACCAGUGGUCUAGUGG-UAGAAUAGUACCCUGCCACGGUACAGACCCGGGUUCGAUUC 59
chr-9.trna64-Gly-GCC     GCACCAGUGGUCUAGUGG-UAGAAUAGUACCCUGCCACGGUACAGACCCGGGUUCGAUUC 59
chr-1.trna192-Gly-GCC    GCACCAGUGGUCUAGUGG-UAGAAUAGUACCCUGCCACGGUACAGACCCGGGUUCGAUUC 59
chr-9.trna25-Gly-GCC     GCACUAGUGGUCUAGUGG-UAGAAUAGUACCCUGCCACGGUACAGACCCGGGUUCGAUUC 59
chr-8.trna178-Gly-GCC    GCACCAGUGGUCUAGUGG-UAGAAUAGUACCCUGCCACGGUACAGACCCGGGUUCGAUUC 59
chr-8.trna158-Gly-GCC    GCACCAGUGGUCUAGUGG-UAGAAUAGUACCCUGCCACGGUACAGACCCGGGUUCGAUUC 59
chr-1.trna235-Gly-GCC    GCACCAGUGGUCUAGUGG-UAGAAUAGUACCCUGCCACGGUACAGACCCGGGUUCGAUUC 59
chr-8.trna17-Gly-GCC     GCACCAGUGGUCUAGUGG-UAGAAUAGUACCCUGCCACGGUACAGACCCGGGUUCGAUUC 59
chr-8.trna15-Gly-GCC     GCACCAGUGGUCUAGUGG-UAGAAUAGUACCCUGCCACGGUACAGACCCGGGUUCGAUUC 59
chr-1.trna274-Gly-GCC    GCACCAGUGGUCUAGUGG-UAGAAUAGUACCCUGCCACGGUACAGACCCGGGUUCGAUUC 59
chr-5.trna7-Gly-GCC      GCACCAGUGGUCUAGUGG-UAGAAUAGUACCCUGCCACGGUACAGACCCGGGUUCGAUUC 59
chr-5.trna23-Gly-GCC     GCACCAGUGGUCUAGUGG-UAGAAUAGUACCCUGCCACGGUACAGACCCGGGUUCGAUUC 59
chr-6.trna141-Gly-GCC    GCACCAGUGGUCUAGUGG-UAGAAUAGUACCCUGCCACGGUACAGACCCGGGUUCGAUUC 59
chr-5.trna205-Gly-GCC    GCACCAGUGGUCUAGUGG-UAGAAUAGUACCCUGCCACGGUACAGACCCGGGUUCGAUUC 59
chr-6.trna27-Gly-GCC     GCACCAGUGGUCUAGUGG-UAGAAUAGUACCCUGCCACGGUACAGACCCGGGUUCGAUUC 59
chr-6.trna26-Gly-GCC     GCACCAGUGGUCUAGUGG-UAGAAUAGUACCCUGCCACGGUACAGACCCGGGUUCGAUUC 59
chr-6.trna25-Gly-GCC     GCACCAGUGGUCUAGUGG-UAGAAUAGUACCCUGCCACGGUACAGACCCGGGUUCGAUUC 59
chr-6.trna24-Gly-GCC     GCACCAGUGGUCUAGUGG-UAGAAUAGUACCCUGCCACGGUACAGACCCGGGUUCGAUUC 59
                         .........10........20........30........40........50.........

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chr-1.trna14-Gly-GCC     CCGUCGCUCGCC 71
chr-3.trna154-Gly-GCC    CCGUCGCUCGCC 71
chr-10.trna44-Gly-TCC    CCGGCAAACGCA 72
chr-6.trna6-Gly-TCC      CCGGCAAACGCA 72
chr-9.trna80-Gly-TCC     CCGGCAAACGCA 72
chr-3.trna146-Gly-TCC    CCGGCAGACGCA 72
chr-2.trna253-Gly-TCC    CCGGCAGACGCA 72
chr-7.trna7-Gly-TCC      CCGGCAAACGCA 72
chr-7.trna98-Gly-TCC     CCGGCAAACGCA 72
chr-1.trna256-Gly-TCC    CCGGCAAACGCA 72
chr-8.trna146-Gly-TCC    CCGGCAGACGCA 72
chr-1.trna217-Gly-TCC    CCGGCAGACGCA 72
chr-1.trna250-Gly-CCC    CCUGGAUGCGCA 71
chr-9.trna54-Gly-CCC     CCUGGAUGCGCA 71
chr-6.trna78-Gly-CCC     CCUGGAUGCGCA 71
chr-10.trna121-Gly-CCC   CCCGGAUGCGCA 71
chr-10.trna22-Gly-CCC    CCCGGAUGCGCA 71
chr-7.trna125-Gly-CCC    CCCGGAUGCGCA 71
chr-5.trna172-Gly-CCC    CCCGGAUGCGCA 71
chr-2.trna130-Gly-CCC    CCCGGAUGCGCA 71
chr-4.trna128-Gly-CCC    CCCGGAUGCGCA 71
chr-4.trna237-Gly-CCC    CCCGGAUGCGCA 71
chr-1.trna4-Gly-GCC      CCGGCUGGUGCA 71
chr-1.trna37-Gly-GCC     CCGGCUGGUGCA 71
chr-1.trna38-Gly-GCC     CCGGCUGGUGCA 71
chr-1.trna144-Gly-GCC    CCGGCUGGUGCA 71
chr-1.trna145-Gly-GCC    CCGGCUGGUGCA 71
chr-9.trna144-Gly-GCC    CCGGCUGGUGCA 71
chr-9.trna143-Gly-GCC    CCGGCUGGUGCA 71
chr-9.trna100-Gly-GCC    CCGGCUGGUGCA 71
chr-9.trna94-Gly-GCC     CCGGCUGGUGCA 71
chr-9.trna90-Gly-GCC     CCGGCUGGUGCA 71
chr-1.trna166-Gly-GCC    CCGGCUGGUGCA 71
chr-9.trna73-Gly-GCC     CCGGCUGGUGCA 71
chr-9.trna64-Gly-GCC     CCGGCUGGUGCA 71
chr-1.trna192-Gly-GCC    CCGGCUGGUGCA 71
chr-9.trna25-Gly-GCC     CCGGCUGGUGCA 71
chr-8.trna178-Gly-GCC    CCGGCUGGUGCA 71
chr-8.trna158-Gly-GCC    CCGGCUGGUGCA 71
chr-1.trna235-Gly-GCC    CCGGCUGGUGCA 71
chr-8.trna17-Gly-GCC     CCGGCUGGUGCA 71
chr-8.trna15-Gly-GCC     CCGGCUGGUGCA 71
chr-1.trna274-Gly-GCC    CCGGCUGGUGCA 71
chr-5.trna7-Gly-GCC      CCGGCUGGUGCA 71
chr-5.trna23-Gly-GCC     CCGGCUGGUGCA 71
chr-6.trna141-Gly-GCC    CCGGCUGGUGCA 71
chr-5.trna205-Gly-GCC    CCGGCUGGUGCA 71
chr-6.trna27-Gly-GCC     CCGGCUGGUGCA 71
chr-6.trna26-Gly-GCC     CCGGCUGGUGCA 71
chr-6.trna25-Gly-GCC     CCGGCUGGUGCA 71
chr-6.trna24-Gly-GCC     CCGGCUGGUGCA 71
                         .........70.
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