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                        (((((((...((((.....)))).....(((((.......)))))....(((((.......)
chr-12.trna53-Gly-GCC   GCGAGCGGUAGUUCAAUGG-UAAAACAUCUCCUUGCCAAGGAGAAGAUAUGGGUUCGAUUC 59
chr-4.trna31-Gly-GCC    GCGAGCGGUAGUUCAAUGG-UAAAACAUCUCCUUGCCAAGGAGAAGAUACGGGUUCGA-UC 58
chr-1.trna131-Gly-GCC   GCGAGCGGUAGUUCAAUGG-UAAAACAUCUCCUUGCCAAGGAGAAGAUACGGGUUCGA-UU 58
chr-1.trna65-Gly-TCC    GCGUUUGUAGUCCAACGGUUAGGAUAAUUGCCUUCCAAGCAAUAGACCCGGGUUCGACUC 60
chr-11.trna24-Gly-TCC   GCGUUUGUAGUCCAACGGUUAGGAUAAUUGCCUUCCAAGCAAUAGACCCGGGUUCGACUC 60
chr-7.trna31-Gly-TCC    GCGUUUGUAGUCCAACGGUUAGGAUAAUUGCCUUCCAAGCAAUAGACCCGGGUUCGACUC 60
chr-7.trna7-Gly-TCC     GCGUUUGUAGUCCAACGGUUAGGAUAAUUGCCUUCCAAGCAAUAGACCCGGGUUCGACUC 60
chr-3.trna51-Gly-TCC    GCGUUUGUAGUCCAACGGUUAGGAUAAUUGCCUUCCAAGCAAUAGACCCGGGUUCGACUC 60
chr-8.trna1-Gly-TCC     GCGUUUGUAGUCCAACGGUUAGGAUAAUUGCCUUCCAAGCAAUAGACCCGGGUUCGACUC 60
chr-8.trna2-Gly-TCC     GCGUUUGUAGUCCAACGGUUAGGAUAAUUGCCUUCCAAGCAAUAGACCCGGGUUCGACUC 60
chr-12.trna41-Gly-TCC   GCGUUUGUAGUUAAACGGUUAGGAUAAUUGCCUUCCAAGCAAUAGACCCGGGUUCGACUC 60
chr-1.trna103-Gly-CCC   GCGCAUCUGGUGUAGUGG-UAUCAUAGUACCCUCCCACGGUACUGACCGGGGUUCGAUUC 59
chr-9.trna16-Gly-CCC    GCGCAUCUGGUGUAGUGG-UAUCAUAGUACCCUCCCACGGUACUGACCGGGGUUCGAUUC 59
chr-8.trna36-Gly-CCC    GCGCAUCUGGUGUAGUGG-UAUCAUAGUACCCUCCCACGGUACUGACCGGGGUUCGAUUC 59
chr-3.trna9-Gly-CCC     GCGCAUCUGGUGUAGUGG-UAUCAUAGUACCCUCCCACGGUACUGACCGGGGUUCGAUUC 59
chr-7.trna25-Gly-CCC    GCGCAUCUGGUGUAGUGG-UAUCAUAGUACCCUCCCACGGUACUGACCGGGGUUCGAUUC 59
chr-1.trna102-Gly-CCC   GCGCAUCUGGUGUAGUGG-UAUCAUAGUACCCUCCCACGGUACUGACCAGGGUUCGAUUC 59
chr-2.trna7-Gly-CCC     GCGCAUCUGGUGUAGUGG-UAUCAUAGUACCCUCCCACGGUACUGACCAGGGUUCGAUUC 59
chr-3.trna58-Gly-CCC    GCGCAUCUGGUGUAGUGG-UAUCAUAGUACCCUCCCACGGUACUGACC-GGGUUCGAUUC 58
chr-1.trna6-Gly-GCC     GCACCAGUGGUCUAGUGG-UAGAAUAGUACCCUGCCACGGUACAGACCCGGGUUCGAUUC 59
chr-1.trna53-Gly-GCC    GCACCAGUGGUCUAGUGG-UAGAAUAGUACCCUGCCACGGUACAGACCCGGGUUCGAUUC 59
chr-2.trna26-Gly-GCC    GCACCAGUGGUCUAGUGG-UAGAAUAGUACCCUGCCACGGUACAGACCCGGGUUCGAUUC 59
chr-2.trna46-Gly-GCC    GCACCAGUGGUCUAGUGG-UAGAAUAGUACCCUGCCACGGUACAGACCCGGGUUCGAUUC 59
chr-3.trna1-Gly-GCC     GCACCAGUGGUCUAGUGG-UAGAAUAGUACCCUGCCACGGUACAGACCCGGGUUCGAUUC 59
chr-10.trna17-Gly-GCC   GCACCAGUGGUCUAGUGG-UAGAAUAGUACCCUGCCACGGUACAGACCCGGGUUCGAUUC 59
chr-10.trna14-Gly-GCC   GCACCAGUGGUCUAGUGG-UAGAAUAGUACCCUGCCACGGUACAGACCCGGGUUCGAUUC 59
chr-3.trna7-Gly-GCC     GCACCAGUGGUCUAGUGG-UAGAAUAGUACCCUGCCACGGUACAGACCCGGGUUCGAUUC 59
chr-8.trna37-Gly-GCC    GCACCAGUGGUCUAGUGG-UAGAAUAGUACCCUGCCACGGUACAGACCCGGGUUCGAUUC 59
chr-3.trna19-Gly-GCC    GCACCAGUGGUCUAGUGG-UAGAAUAGUACCCUGCCACGGUACAGACCCGGGUUCGAUUC 59
chr-3.trna27-Gly-GCC    GCACCAGUGGUCUAGUGG-UAGAAUAGUACCCUGCCACGGUACAGACCCGGGUUCGAUUC 59
chr-3.trna62-Gly-GCC    GCACCAGUGGUCUAGUGG-UAGAAUAGUACCCUGCCACGGUACAGACCCGGGUUCGAUUC 59
chr-5.trna22-Gly-GCC    GCACCAGUGGUCUAGUGG-UAGAAUAGUACCCUGCCACGGUACAGACCCGGGUUCGAUUC 59
chr-5.trna32-Gly-GCC    GCACCAGUGGUCUAGUGG-UAGAAUAGUACCCUGCCACGGUACAGACCCGGGUUCGAUUC 59
chr-5.trna39-Gly-GCC    GCACCAGUGGUCUAGUGG-UAGAAUAGUACCCUGCCACGGUACAGACCCGGGUUCGAUUC 59
chr-6.trna33-Gly-GCC    GCACCAGUGGUCUAGUGG-UAGAAUAGUACCCUGCCACGGUACAGACCCGGGUUCGAUUC 59
chr-2.trna33-Gly-GCC    GCACCAGUGGUCCAGUGG-UAGAAUAGUACCCUGCCACGGUACAGACCCGGGUUCGAUUC 59
chr-7.trna23-Gly-GCC    GCACCAGUGGUCUAGUGG-UAGAAUAGUACCCUGCCACGGUACAGACCCGUGUUCGAUUC 59
                        .........10........20........30........40........50.........

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chr-12.trna53-Gly-GCC   CCGCCGCUCGCC 71
chr-4.trna31-Gly-GCC    CCGCCGCUCGCA 70
chr-1.trna131-Gly-GCC   CCGCCGCUCGCC 70
chr-1.trna65-Gly-TCC    CCGGCAAACGCA 72
chr-11.trna24-Gly-TCC   CCGGCAAACGCA 72
chr-7.trna31-Gly-TCC    CCGGCAAACGCA 72
chr-7.trna7-Gly-TCC     CCGGCAAACGCA 72
chr-3.trna51-Gly-TCC    CCGGCAAACGCA 72
chr-8.trna1-Gly-TCC     CCGGCAAACGCA 72
chr-8.trna2-Gly-TCC     CCGGCAAACGCA 72
chr-12.trna41-Gly-TCC   CCGGCAGACGCA 72
chr-1.trna103-Gly-CCC   CCCGGAUGCGCA 71
chr-9.trna16-Gly-CCC    CCCGGAUGCGCA 71
chr-8.trna36-Gly-CCC    CCCGGAUGCGCA 71
chr-3.trna9-Gly-CCC     CCCGGAUGCGCA 71
chr-7.trna25-Gly-CCC    CCCGGAUGCGCA 71
chr-1.trna102-Gly-CCC   CCUGGAUGCGCA 71
chr-2.trna7-Gly-CCC     CCUGGAUGCGCA 71
chr-3.trna58-Gly-CCC    CCCGGAUGCGCA 70
chr-1.trna6-Gly-GCC     CCGGCUGGUGCA 71
chr-1.trna53-Gly-GCC    CCGGCUGGUGCA 71
chr-2.trna26-Gly-GCC    CCGGCUGGUGCA 71
chr-2.trna46-Gly-GCC    CCGGCUGGUGCA 71
chr-3.trna1-Gly-GCC     CCGGCUGGUGCA 71
chr-10.trna17-Gly-GCC   CCGGCUGGUGCA 71
chr-10.trna14-Gly-GCC   CCGGCUGGUGCA 71
chr-3.trna7-Gly-GCC     CCGGCUGGUGCA 71
chr-8.trna37-Gly-GCC    CCGGCUGGUGCA 71
chr-3.trna19-Gly-GCC    CCGGCUGGUGCA 71
chr-3.trna27-Gly-GCC    CCGGCUGGUGCA 71
chr-3.trna62-Gly-GCC    CCGGCUGGUGCA 71
chr-5.trna22-Gly-GCC    CCGGCUGGUGCA 71
chr-5.trna32-Gly-GCC    CCGGCUGGUGCA 71
chr-5.trna39-Gly-GCC    CCGGCUGGUGCA 71
chr-6.trna33-Gly-GCC    CCGGCUGGUGCA 71
chr-2.trna33-Gly-GCC    CCGGCUGGUGCA 71
chr-7.trna23-Gly-GCC    CCGGCUGGUGCA 71
                        .........70.
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