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                         ((((((((((((.............(((((.......)))))))))))(((((.......)
chr-12.trna7-Gly-CCC     GCGCAUCUGGUGUAGUGG-UAUCAUAGUACCCUCCCACGGUACUGACCGGGGUUCGAUUC 59
chr-1.trna61-Gly-CCC     GCGCAUCUGGUGUAGUGG-UAUCAUAGUACCCUCCCACGGUACUGACCGGGGUUCGAUUC 59
chr-8.trna32-Gly-CCC     GCGCAUCUGGUGUAGUGG-UAUCAUAGUACCCUCCCACGGUACUGACCGGGGUUCGAUUC 59
chr-3.trna12-Gly-CCC     GCGCAUCUGGUGUAGUGG-UAUCAUAGUACCCUCCCACGGUACUGACCGGGGUUCGAUUC 59
chr-7.trna25-Gly-CCC     GCGCAUCUGGUGUAGUGG-UAUCAUAGUACCCUCCCACGGUACUGACCGGGGUUCGAUUC 59
chr-1.trna60-Gly-CCC     GCGCAUCUGGUGUAGUGG-UAUCAUAGUACCCUCCCACGGUACUGACCAGGGUUCGAUUC 59
chr-3.trna7-Gly-CCC      GCGCAUCUGGUGUAGUGG-UAUCAUAGUACAUUCCCACGUUACUGAUCGGGGUUCGAUUC 59
chr-1.trna8-Gly-GCC      GCACCAGUGGUCUAGUGG-UAGAAUAGUACCCUGCCACGGUACAGACCCGGGUUCGAUUC 59
chr-1.trna9-Gly-GCC      GCACCAGUGGUCUAGUGG-UAGAAUAGUACCCUGCCACGGUACAGACCCGGGUUCGAUUC 59
chr-12.trna15-Gly-GCC    GCACCAGUGGUCUAGUGG-UAGAAUAGUACCCUGCCACGGUACAGACCCGGGUUCGAUUC 59
chr-2.trna47-Gly-GCC     GCACCAGUGGUCUAGUGG-UAGAAUAGUACCCUGCCACGGUACAGACCCGGGUUCGAUUC 59
chr-2.trna58-Gly-GCC     GCACCAGUGGUCUAGUGG-UAGAAUAGUACCCUGCCACGGUACAGACCCGGGUUCGAUUC 59
chr-8.trna33-Gly-GCC     GCACCAGUGGUCUAGUGG-UAGAAUAGUACCCUGCCACGGUACAGACCCGGGUUCGAUUC 59
chr-3.trna1-Gly-GCC      GCACCAGUGGUCUAGUGG-UAGAAUAGUACCCUGCCACGGUACAGACCCGGGUUCGAUUC 59
chr-3.trna10-Gly-GCC     GCACCAGUGGUCUAGUGG-UAGAAUAGUACCCUGCCACGGUACAGACCCGGGUUCGAUUC 59
chr-3.trna34-Gly-GCC     GCACCAGUGGUCUAGUGG-UAGAAUAGUACCCUGCCACGGUACAGACCCGGGUUCGAUUC 59
chr-3.trna39-Gly-GCC     GCACCAGUGGUCUAGUGG-UAGAAUAGUACCCUGCCACGGUACAGACCCGGGUUCGAUUC 59
chr-5.trna19-Gly-GCC     GCACCAGUGGUCUAGUGG-UAGAAUAGUACCCUGCCACGGUACAGACCCGGGUUCGAUUC 59
chr-7.trna24-Gly-GCC     GCACCAGUGGUCUAGUGG-UAGAAUAGUACCCUGCCACGGUACAGACCCGGGUUCGAUUC 59
chr-5.trna39-Gly-GCC     GCACCAGUGGUCUAGUGG-UAGAAUAGUACCCUGCCACGGUACAGACCCGGGUUCGAUUC 59
chr-7.trna8-Gly-GCC      GCACCAGUGGUCUAGUGG-UAGAAUAGUACCCUGCCACGGUACAGACCCGGGUUCGAUUC 59
chr-6.trna5-Gly-GCC      GCACCAGUGGUCUAGUGG-UAGAAUAGUACCCUGCCACGGUACAGACCCGGGUUCGAUUC 59
chr-6.trna27-Gly-GCC     GCACCAGUGGUCUAGUGG-UAGAAUAGUACCCUGCCACGGUACAGACCCGGGUUCGAUUC 59
chr-6.trna34-Gly-GCC     GCACCAGUGGUCUAGUGG-UAGAAUAGUACCCUGCCACGGUACAGACCCGGGUUCGAUUC 59
chr-3.trna2-Gly-GCC      GCACCAGUGGUCUAGUGG-UAGAAUAGUACCCUGCCACGGUACAGACCCGGGUUCGAUUG 59
chr-7.trna7-Gly-GCC      GCACCAGUGGUCUAGUGC-UAGAAUAGUACCCUGCCACGGUACAGACCCGGGUUCGAUUC 59
chr-4.trna33-Gly-GCC     GCACCAGUGGUCUAGUGG-UAGAAUAGUAUCCUGCCACGGUACAGACCCGGAUUCGAUUC 59
chr-1.trna29-Gly-TCC     GCGUUUGUAGUCCAACGGUUAGGAUAAUUGCCUUCCAAGCAAUAGACCCGGGUUCGACUC 60
chr-7.trna6-Gly-TCC      GCGUUUGUAGUCCAACGGUUAGGAUAAUUGCCUUCCAAGCAAUAGACCCGGGUUCGACUC 60
chr-5.trna28-Gly-TCC     GCGUUCGUAGUCCAACGGUUAGGAUAAUUGCCUUCCAAGCAAUAGACCCGGGUUCGACUC 60
chr-3.trna72-Gly-TCC     GCGUUUGUAGUCCAACGGUUAGGAUAAUUGCCUUCCAAGCAAUAGACCCGGGUUCGACUC 60
chr-7.trna22-Gly-TCC     GCGUUUGUAGUCCAACGGUUAGGAUAAUUGCCUUCCAAGCAAUAGACCCGGGUUCGACUC 60
chr-7.trna28-Gly-TCC     GCGUUUGUAGUCCAACGGUUAGGAUAAUUGCCUUCCAAGCAAUAGACCCGGGUUCGACUC 60
chr-11.trna19-Gly-TCC    GCGUUUGUAGUCCAACGGUUAGGAUAAUUGCCUUCCAAGCAAUAGACCCGGGUUCGACUC 60
chr-8.trna2-Gly-TCC      GCGUUUGUAGUCCAACGGUUAGGAUAAUUGCCUUCCAAGCAAUAGACCCGGGUUCGACUC 60
chr-8.trna3-Gly-TCC      GCGUUUGUAGUCCAACGGUUAGGAUAAUUGCCUUCCAAGCUAUAGGCCCGGGUUCGACUC 60
                         .........10........20........30........40........50.........

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chr-12.trna7-Gly-CCC     CCCGGAUGCGCA 71
chr-1.trna61-Gly-CCC     CCCGGAUGCGCA 71
chr-8.trna32-Gly-CCC     CCCGGAUGCGCA 71
chr-3.trna12-Gly-CCC     CCCGGAUGCGCA 71
chr-7.trna25-Gly-CCC     CCCGGAUGCGCA 71
chr-1.trna60-Gly-CCC     CCUGGAUGCGCA 71
chr-3.trna7-Gly-CCC      GCCGGAUGCGCG 71
chr-1.trna8-Gly-GCC      CCGGCUGGUGCA 71
chr-1.trna9-Gly-GCC      CCGGCUGGUGCA 71
chr-12.trna15-Gly-GCC    CCGGCUGGUGCA 71
chr-2.trna47-Gly-GCC     CCGGCUGGUGCA 71
chr-2.trna58-Gly-GCC     CCGGCUGGUGCA 71
chr-8.trna33-Gly-GCC     CCGGCUGGUGCA 71
chr-3.trna1-Gly-GCC      CCGGCUGGUGCA 71
chr-3.trna10-Gly-GCC     CCGGCUGGUGCA 71
chr-3.trna34-Gly-GCC     CCGGCUGGUGCA 71
chr-3.trna39-Gly-GCC     CCGGCUGGUGCA 71
chr-5.trna19-Gly-GCC     CCGGCUGGUGCA 71
chr-7.trna24-Gly-GCC     CCGGCUGGUGCA 71
chr-5.trna39-Gly-GCC     CCGGCUGGUGCA 71
chr-7.trna8-Gly-GCC      CCGGCUGGUGCA 71
chr-6.trna5-Gly-GCC      CCGGCUGGUGCA 71
chr-6.trna27-Gly-GCC     CCGGCUGGUGCA 71
chr-6.trna34-Gly-GCC     CCGGCUGGUGCA 71
chr-3.trna2-Gly-GCC      CCGGCUGGUGCA 71
chr-7.trna7-Gly-GCC      CCGGCUGGUGCA 71
chr-4.trna33-Gly-GCC     CUGGCUGGUGCU 71
chr-1.trna29-Gly-TCC     CCGGCAAACGCA 72
chr-7.trna6-Gly-TCC      CCGGCAAACGCA 72
chr-5.trna28-Gly-TCC     CCGGCGAACGCA 72
chr-3.trna72-Gly-TCC     CCGGCAAACGCA 72
chr-7.trna22-Gly-TCC     CCGGCAAACGCA 72
chr-7.trna28-Gly-TCC     CCGGCAAACGCA 72
chr-11.trna19-Gly-TCC    CCGGCAAAAGCA 72
chr-8.trna2-Gly-TCC      CUGGCAGACACA 72
chr-8.trna3-Gly-TCC      CCGGCAAACAUA 72
                         .........70.
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