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                        (((((((.........(((.........(((((.......)))))..)))(((.......)
chr-11.trna55-Gly-GCC   GCACCAGUGGUCUAGUGGUAGAA-UAGUACCCUGCCAAGGUACAGACCCGGGUUCGAUUC 59
chr-1.trna23-Gly-GCC    GCACCAGUGGUCUAGUGGUAGAA-UAGUACCCUGCCACGGUACAGACCCGGGUUCGAUUC 59
chr-1.trna35-Gly-GCC    GCACCAGUGGUCUAGUGGUAGAA-UAGUACCCUGCCACGGUACAGACCCGGGUUCGAUUC 59
chr-1.trna47-Gly-GCC    GCACCAGUGGUCUAGUGGUAGAA-UAGUACCCUGCCACGGUACAGACCCGGGUUCGAUUC 59
chr-1.trna62-Gly-GCC    GCACCAGUGGUCUAGUGGUAGAA-UAGUACCCUGCCACGGUACAGACCCGGGUUCGAUUC 59
chr-1.trna63-Gly-GCC    GCACCAGUGGUCUAGUGGUAGAA-UAGUACCCUGCCACGGUACAGACCCGGGUUCGAUUC 59
chr-2.trna40-Gly-GCC    GCACCAGUGGUCUAGUGGUAGAA-UAGUACCCUGCCACGGUACAGACCCGGGUUCGAUUC 59
chr-2.trna84-Gly-GCC    GCACCAGUGGUCUAGUGGUAGAA-UAGUACCCUGCCACGGUACAGACCCGGGUUCGAUUC 59
chr-10.trna59-Gly-GCC   GCACCAGUGGUCUAGUGGUAGAA-UAGUACCCUGCCACGGUACAGACCCGGGUUCGAUUC 59
chr-2.trna85-Gly-GCC    GCACCAGUGGUCUAGUGGUAGAA-UAGUACCCUGCCACGGUACAGACCCGGGUUCGAUUC 59
chr-2.trna87-Gly-GCC    GCACCAGUGGUCUAGUGGUAGAA-UAGUACCCUGCCACGGUACAGACCCGGGUUCGAUUC 59
chr-3.trna3-Gly-GCC     GCACCAGUGGUCUAGUGGUAGAA-UAGUACCCUGCCACGGUACAGACCCGGGUUCGAUUC 59
chr-3.trna39-Gly-GCC    GCACCAGUGGUCUAGUGGUAGAA-UAGUACCCUGCCACGGUACAGACCCGGGUUCGAUUC 59
chr-5.trna23-Gly-GCC    GCACCAGUGGUCUAGUGGUAGAA-UAGUACCCUGCCACGGUACAGACCCGGGUUCGAUUC 59
chr-5.trna42-Gly-GCC    GCACCAGUGGUCUAGUGGUAGAA-UAGUACCCUGCCACGGUACAGACCCGGGUUCGAUUC 59
chr-6.trna81-Gly-GCC    GCACCAGUGGUCUAGUGGUAGAA-UAGUACCCUGCCACGGUACAGACCCGGGUUCGAUUC 59
chr-7.trna51-Gly-GCC    GCACCAGUGGUCUAGUGGUAGAA-UAGUACCCUGCCACGGUACAGACCCGGGUUCGAUUC 59
chr-9.trna46-Gly-GCC    GCACCAGUGGUCUAGUGGUAGAA-UAGUACCCUGCCACGGUACAGACCCGGGUUCGAUUC 59
chr-9.trna49-Gly-GCC    GCACCAGUGGUCUAGUGGUAGAA-UAGUACCCUGCCACGGUACAGACCCGGGUUCGAUUC 59
chr-9.trna50-Gly-GCC    GCACCAGUGGUCUAGUGGUAGAA-UAGUACCCUGCCACGGUACAGACCCGGGUUCGAUUC 59
chr-7.trna50-Gly-GCC    GCACCAGUGGUCUAGUGGUAGAA-UAGUACCCUGCCACGAUACAGACCCGGGUUCGAUUC 59
chr-10.trna9-Gly-GCC    GCACCAGUGGUCUAGUGGUAGAA-UAGUUCCUGCCACGGUACAGACCCGGGUUCGAUUC 59
chr-7.trna47-Gly-GCC    GCACCAGUGGUCUAGUGGUAGAA-UAGUAACCUGCCACGGUACAGACCCGGGUUCGAUUC 59
chr-2.trna86-Gly-GCC    GCACCAGUGGUCUAGUGGUAGAA-UAGUACCCUGCCACGGUACAGACCCGGGUUCGAUUC 59
chr-6.trna62-Gly-GCC    GCACCAGUGGUCUAGGGGUAGAA-UAGUACCCUGCCACGGUACAGACCCGGGUUCGAUUC 59
chr-9.trna25-Gly-GCC    GCACCAGUUGUCUAGUGGUAGAA-UAGUACCCUGCCACGGUACAGACCCGGAUUUGAUUC 59
chr-10.trna31-Gly-GCC   GCACCAGUGGUCGAGUGCUAAAAUUAGUACCCUGCCACGGUACAGACCCGGGUUCGAUUC 60
chr-10.trna5-Gly-CCC    GCGCAUCUAGUGUAGUGGUAUCA-UAGUACCCUCCCACGGUAUUGACCGGGGUUCGAUUC 59
chr-1.trna81-Gly-CCC    GCGCAUCUAGUGUAGUGGUAUCA-UAGUACCCUCCCACGGUACUGACCGGGGUUCGAUUC 59
chr-7.trna33-Gly-CCC    GCGCAUCUAGUGUAGUGGUAUCA-UAGUACCCUCCCACGGUACUGACCGGGGUUCGAUUC 59
chr-2.trna16-Gly-CCC    GCGCAUCUAGUGUAGUGGUAUCA-UAGUACCCUCCCACGGUACUGACCGGGGUUCGAUUC 59
chr-2.trna114-Gly-CCC   GCGCAUCUAGUGUAGUGGUAUCA-UAGUACCCUCCCACGGUACUGACCGGGGUUCGAUUC 59
chr-11.trna18-Gly-CCC   GCGCAUCUAGUGUAGUGGUAUCA-UAGUACCCUCCCACGGUACUGACCGGGGUUUGAUUC 59
chr-5.trna78-Gly-CCC    GCGCAUCUAGUGUAGUGGUAUCA-UAGUACCCUCCCACGGUACUGACCGGGGUUCGAUUC 59
chr-2.trna15-Gly-CCC    GCGCAUCUAGUGUAGUGGUAUCA-UAGUACCCUCCCACGGUACUGACCGGGGUUCGAUUC 59
chr-2.trna113-Gly-CCC   GCGCAUCUAGUGUAGUGGUAUCA-UAGUACUCUCCCACGGUACUGACCGUGGUUCGAUUC 59
chr-11.trna30-Gly-TCC   GCGUUUGUAGUCCAACGGUUAGGAUAAUUGCCUUCCAAGCAAUAGACCCGGGUUCGACUC 60
chr-11.trna29-Gly-TCC   GCGUUUGUAGUCCAACGGUUAGGAUAAUUGCCUUCCAAGCAAUAGACCCGGGUUCGACUC 60
chr-9.trna62-Gly-TCC    GCGUUUGUAGUCCAACGGUUAGGAUAAUUGCCUUCCAAGCAAUAGACCCGGGUUCGACUC 60
chr-11.trna28-Gly-TCC   GCGUUUGUAGUCCAACGGUUAGGAUAAUUGCCUUCCAAGCAAUAGACCCGGGUUCGACUC 60
chr-10.trna6-Gly-TCC    GCGUUUGUAGUCCAACGGUUAGGAUAAUUGCCUUCCAAGCAAUAGACCCGGGUUCGACUC 60
chr-2.trna4-Gly-TCC     GCGUUUGUAGUCCAACGGUUAGGAUAAUUGCCUUCCAAGCAAUAGACCCGGGUUCGACUC 60
chr-10.trna54-Gly-TCC   GCGUUUGUAGUCCAACGGUUAGGAUAAUUGCCUUCCAAGCAAUAGACCCGGGUUCGACUC 60
chr-2.trna119-Gly-TCC   GCGUUUGUAGUCCAACGGUUAGGAUAAUUGCCUUCCAAGCAAUAGACCCGGGUUCGACUC 60
chr-9.trna7-Gly-TCC     GCGUUUGUAGUCCAACGGUUAGGAUAAUUGCCUUCCAAGCAAUAGACCCGGGUUCGACUC 60
chr-9.trna6-Gly-TCC     GCGUUUGUAGUCCAACGGUUAGGAUAAUUGCCUUCCAAGCAAUAGACCCGGGUUCGACUC 60
chr-8.trna42-Gly-TCC    GCGUUUGUAGUCCAACGGUUAGGAUAAUUGCCUUCCAAGCAAUAGACCCGGGUUCGACUC 60
chr-10.trna27-Gly-TCC   GCGUUUGUAGUCCAACGGUUAGGAUAAUUGCCUUCCAAGCAAUAGACCCGGGUUCGACUC 60
chr-10.trna26-Gly-TCC   GCGUUUGUAGUCCAACGGUUAGGAUAAUUGCCUUCCAAGCAAUAGACCCGGGUUCGACUC 60
chr-10.trna25-Gly-TCC   GCGUUUGUAGUCCAACGGUUAGGAUAAUUGCCUUCCAAGCAAUAGACCCGGGUUCGACUC 60
chr-5.trna123-Gly-TCC   GCGUUUGUAGUCCAACGGUUAGGAUAAUUGCCUUCCAAGCAAUAGACCCGGGUUCGACUC 60
chr-6.trna77-Gly-TCC    GCGUUUGUAGUCCAACGGUUAGGAUAAUUGCCUUCCAAGCAAUAGACCCGGGUUCGACUC 60
chr-10.trna24-Gly-TCC   GCGUUUGUAGUCCAACGGUUAGGAUAAUUGCCUUCCAAGCAAUAGACCCGGGUUUGACUC 60
chr-10.trna53-Gly-TCC   GCGUUUGUAGUCCAACGGUUAGGAUAAUUGCCUUCCAAGCAAUAGACCCGGGUUCGACUC 60
chr-9.trna8-Gly-TCC     GCGUUUGUAGUCCAACGGUUAGGAUAAUUGCCUUCCAAGCAAUAGACCUGGGUUCGACUC 60
chr-5.trna124-Gly-TCC   GCGUUUGUAGUCCAACGGUUAGGAUAAUUACCUUCCAAGCAAUAGACCCGGGUUCGACUC 60
chr-2.trna18-Gly-TCC    GCGUUUGUAGUCUAACAGUUAGGAUAAUUGCCUUCCAAGCAAUAGACAUGGGUUCGACUC 60
chr-10.trna47-Gly-TCC   GCGUUUGUAGUCCAACGGUUAGGAUAAUGGCCUUCCUAGCAAUAGCCCCGGGUUCGACUC 60
chr-5.trna22-Gly-GCC    GGGGAUAUAUUUGAAUGGUAAAA-UUUCUCCUUGCCAAGGAGAAGAUGCAGGUUCGAUUC 59
chr-10.trna7-Gly-CCC    GCGCAUCUAGUGUAGUGGUAUCA-UAGUACCCUCCCACGGU--UGACCGGG-UUCGAAUC 56
                        .........10........20........30........40........50.........

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chr-11.trna55-Gly-GCC   CCGGCUGGUGCA 71
chr-1.trna23-Gly-GCC    CCGGCUGGUGCA 71
chr-1.trna35-Gly-GCC    CCGGCUGGUGCA 71
chr-1.trna47-Gly-GCC    CCGGCUGGUGCA 71
chr-1.trna62-Gly-GCC    CCGGCUGGUGCA 71
chr-1.trna63-Gly-GCC    CCGGCUGGUGCA 71
chr-2.trna40-Gly-GCC    CCGGCUGGUGCA 71
chr-2.trna84-Gly-GCC    CCGGCUGGUGCA 71
chr-10.trna59-Gly-GCC   CCGGCUGGUGCA 71
chr-2.trna85-Gly-GCC    CCGGCUGGUGCA 71
chr-2.trna87-Gly-GCC    CCGGCUGGUGCA 71
chr-3.trna3-Gly-GCC     CCGGCUGGUGCA 71
chr-3.trna39-Gly-GCC    CCGGCUGGUGCA 71
chr-5.trna23-Gly-GCC    CCGGCUGGUGCA 71
chr-5.trna42-Gly-GCC    CCGGCUGGUGCA 71
chr-6.trna81-Gly-GCC    CCGGCUGGUGCA 71
chr-7.trna51-Gly-GCC    CCGGCUGGUGCA 71
chr-9.trna46-Gly-GCC    CCGGCUGGUGCA 71
chr-9.trna49-Gly-GCC    CCGGCUGGUGCA 71
chr-9.trna50-Gly-GCC    CCGGCUGGUGCA 71
chr-7.trna50-Gly-GCC    CCGGCUGGUGCA 71
chr-10.trna9-Gly-GCC    CCGGCUGGUGCA 71
chr-7.trna47-Gly-GCC    CCGGCUGGUGCA 71
chr-2.trna86-Gly-GCC    CCGGCGGGUGCA 71
chr-6.trna62-Gly-GCC    CCGGCUGGUGCA 71
chr-9.trna25-Gly-GCC    CUGGUUGGUGCA 71
chr-10.trna31-Gly-GCC   CCGGCUGGUGCA 72
chr-10.trna5-Gly-CCC    CCCGGAUGCGCA 71
chr-1.trna81-Gly-CCC    CCCGGAUGCGCA 71
chr-7.trna33-Gly-CCC    CCCGGAUGCGCA 71
chr-2.trna16-Gly-CCC    CCCGGAUGCGCA 71
chr-2.trna114-Gly-CCC   CCCGGAUGCGCA 71
chr-11.trna18-Gly-CCC   CUCGGAUGCGCA 71
chr-5.trna78-Gly-CCC    ACCGGAUGCGCA 71
chr-2.trna15-Gly-CCC    CCCGUAUGCGCA 71
chr-2.trna113-Gly-CCC   CCCUGAUGCGUA 71
chr-11.trna30-Gly-TCC   CCGGCAAACGCA 72
chr-11.trna29-Gly-TCC   CCGGCAAACGCA 72
chr-9.trna62-Gly-TCC    CCGGCAAACGCA 72
chr-11.trna28-Gly-TCC   CCGGCAAACGCA 72
chr-10.trna6-Gly-TCC    CCGGCAAACGCA 72
chr-2.trna4-Gly-TCC     CCGGCAAACGCA 72
chr-10.trna54-Gly-TCC   CCGGCAAACGCA 72
chr-2.trna119-Gly-TCC   CCGGCAAACGCA 72
chr-9.trna7-Gly-TCC     CCGGCAAACGCA 72
chr-9.trna6-Gly-TCC     CCGGCAAACGCA 72
chr-8.trna42-Gly-TCC    CCGGCAAACGCA 72
chr-10.trna27-Gly-TCC   CCGGCAAACGCA 72
chr-10.trna26-Gly-TCC   CCGGCAAACGCA 72
chr-10.trna25-Gly-TCC   CCGGCAAACGCA 72
chr-5.trna123-Gly-TCC   CCGGCAAACGCA 72
chr-6.trna77-Gly-TCC    CCGGCAAACGCA 72
chr-10.trna24-Gly-TCC   CCGGCAGACGCA 72
chr-10.trna53-Gly-TCC   CCGGCAAAGGCA 72
chr-9.trna8-Gly-TCC     CCGGCAGACGCA 72
chr-5.trna124-Gly-TCC   CCGGCAAACGCA 72
chr-2.trna18-Gly-TCC    CUGGCAAAUGCA 72
chr-10.trna47-Gly-TCC   CCGGCAAACGCA 72
chr-5.trna22-Gly-GCC    CCACUAUCCGCU 71
chr-10.trna7-Gly-CCC    CCCGUAUGCGCA 68
                        .........70.
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