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                        ((((((((((((.............(((((.......)))))))))))(((((.......)
chr-1.trna9-Gly-GCC     GCACCAGUGGUCUAGUGG-UAGAAUAGUACCCUGCCACGGUACAGACCCGGGUUCGAUUC 59
chr-1.trna102-Gly-GCC   GCACCAGUGGUCUAGUGG-UAGAAUAGUACCCUGCCACGGUACAGACCCGGGUUCGAUUC 59
chr-8.trna78-Gly-GCC    GCACCAGUGGUCUAGUGG-UAGAAUAGUACCCUGCCACGGUACAGACCCGGGUUCGAUUC 59
chr-1.trna114-Gly-GCC   GCACCAGUGGUCUAGUGG-UAGAAUAGUACCCUGCCACGGUACAGACCCGGGUUCGAUUC 59
chr-1.trna116-Gly-GCC   GCACCAGUGGUCUAGUGG-UAGAAUAGUACCCUGCCACGGUACAGACCCGGGUUCGAUUC 59
chr-1.trna117-Gly-GCC   GCACCAGUGGUCUAGUGG-UAGAAUAGUACCCUGCCACGGUACAGACCCGGGUUCGAUUC 59
chr-2.trna5-Gly-GCC     GCACCAGUGGUCUAGUGG-UAGAAUAGUACCCUGCCACGGUACAGACCCGGGUUCGAUUC 59
chr-2.trna13-Gly-GCC    GCACCAGUGGUCUAGUGG-UAGAAUAGUACCCUGCCACGGUACAGACCCGGGUUCGAUUC 59
chr-2.trna15-Gly-GCC    GCACCAGUGGUCUAGUGG-UAGAAUAGUACCCUGCCACGGUACAGACCCGGGUUCGAUUC 59
chr-6.trna6-Gly-GCC     GCACCAGUGGUCUAGUGG-UAGAAUAGUACCCUGCCACGGUACAGACCCGGGUUCGAUUC 59
chr-4.trna59-Gly-GCC    GCACCAGUGGUCUAGUGG-UAGAAUAGUACCCUGCCACGGUACAGACCCGGGUUCGAUUC 59
chr-4.trna60-Gly-GCC    GCACCAGUGGUCUAGUGG-UAGAAUAGUACCCUGCCACGGUACAGACCCGGGUUCGAUUC 59
chr-5.trna28-Gly-GCC    GCACCAGUGGUCUAGUGG-UAGAAUAGUACCCUGCCACGGUACAGACCCGGGUUCGAUUC 59
chr-5.trna33-Gly-GCC    GCACCAGUGGUCUAGUGG-UAGAAUAGUACCCUGCCACGGUACAGACCCGGGUUCGAUUC 59
chr-5.trna34-Gly-GCC    GCCCCAGUGGUCUAGUGG-UAGAAUAGUACCCUGCCACGGUACAGACCCGGGUUCGAUUC 59
chr-2.trna4-Gly-GCC     GCACCAGUGGUCUAGUGG-UAGAAUAGUACCCUGCCACGGUACAGACCCGCGUUCGAUUC 59
chr-8.trna45-Gly-GCC    GCACCAGUGGUCUAGUGG-UAGAAUAGUACCCUGCCACGGUACAGACCCGGGUUCGA-UC 58
chr-4.trna37-Gly-GCC    GCACCAGUGGUUUAGUGG-AAUAAUAGUACCCUGCCACGGUACAGACCCGGGUUCGAUUC 59
chr-3.trna59-Gly-GCC    GCACCAGUGGUUUAGUGG-AAUAAUAGUACCCUGCCACGGUACAGACCCGGGUUCGAUUC 59
chr-8.trna65-Gly-CCC    GCGCAUCUGGUGUAGUGG-UAUCAUAGUACCCUCCCACGGUACUGACCAGGGUUCGAUUC 59
chr-5.trna38-Gly-CCC    GCGCAUCUGGUGUAGUGG-UAUCAUAGUACCCUCCCACGGUACUGACCAGGGUUCGAUUC 59
chr-4.trna44-Gly-CCC    GCGCAUCUGGUGUAGUGG-UAUCAUAGUACCCUCCCACGGUACUGACCAGGGUUCGAUUC 59
chr-7.trna14-Gly-CCC    GCGCAUCUGGUGUAGUGG-UAUCAUAGUACCCUCCCACGGUACUGACCAGGGUUCGAUUC 59
chr-5.trna39-Gly-CCC    GCGCAUCUGGUGUAGUGG-UAUCAUAGUACCCUCCCACGGUACUGACCAGGGUUCGAUUC 59
chr-1.trna100-Gly-TCC   GCGUCUGUAGUCCAACGGUUAGGAUAAUUGCCUUCCAAGCAAUAGACCCGGGUUCGACUC 60
chr-8.trna72-Gly-TCC    GCGUCUGUAGUCCAACGGUUAGGAUAAUUGCCUUCCAAGCAAUAGACCCGGGUUCGACUC 60
chr-8.trna59-Gly-TCC    GCGUCUGUAGUCCAACGGUUAGGAUAAUUGCCUUCCAAGCAAUAGACCCGGGUUCGACUC 60
chr-6.trna13-Gly-TCC    GCGUCUGUAGUCCAACGGUUAGGAUAAUUGCCUUCCAAGCAAUAGACCCGGGUUCGACUC 60
chr-5.trna57-Gly-TCC    GCGUCUGUAGUCCAACGGUUAGGAUAAUUGCCUUCCAAGCAAUAGACCCGGGUUCGACUC 60
chr-4.trna11-Gly-TCC    GCGUCUGUAGUCCAACGGUUAGGAUAAUUGCCUUCCAAGCAAUAGACCCGGGUUCGACUC 60
chr-5.trna55-Gly-TCC    GCGUCUGUAGUCCAACGGUUAGGAUAAUUGCCUUCCAAGCAAUAGACCCGGGUUCGACUC 60
chr-1.trna16-Gly-TCC    GCGUCUGUAGUCCAACGGUUAGGAUAAUUGCCUUCCAAGCAAUAGACCCGGGUUCGACUU 60
chr-5.trna9-Gly-TCC     GCGUCUGUUGUCCAACGGUUAGGAUAAUUGCCUUCCAAGCAAUAGACCCGGGUUCGACUC 60
chr-3.trna43-Gly-GCC    GCGGAUAUAGUCAAAUGG-UAAAAUUUCUCCUUGCCAAGGAGAAGACGUGGGUUCGAUCC 59
chr-2.trna43-Gly-TCC    UCCGUUGUCAUCUAGUUGGUCUGGAUAUGGGUUUCCCCCCCAUUUUUCCGGGUUCGAAUC 60
                        .........10........20........30........40........50.........

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chr-1.trna9-Gly-GCC     CCGGCUGGUGCA 71
chr-1.trna102-Gly-GCC   CCGGCUGGUGCA 71
chr-8.trna78-Gly-GCC    CCGGCUGGUGCA 71
chr-1.trna114-Gly-GCC   CCGGCUGGUGCA 71
chr-1.trna116-Gly-GCC   CCGGCUGGUGCA 71
chr-1.trna117-Gly-GCC   CCGGCUGGUGCA 71
chr-2.trna5-Gly-GCC     CCGGCUGGUGCA 71
chr-2.trna13-Gly-GCC    CCGGCUGGUGCA 71
chr-2.trna15-Gly-GCC    CCGGCUGGUGCA 71
chr-6.trna6-Gly-GCC     CCGGCUGGUGCA 71
chr-4.trna59-Gly-GCC    CCGGCUGGUGCA 71
chr-4.trna60-Gly-GCC    CCGGCUGGUGCA 71
chr-5.trna28-Gly-GCC    CCGGCUGGUGCA 71
chr-5.trna33-Gly-GCC    CCGGCUGGUGCA 71
chr-5.trna34-Gly-GCC    CCGGCUGGUGCA 71
chr-2.trna4-Gly-GCC     CCGGCUGGUGCA 71
chr-8.trna45-Gly-GCC    CCGGCUGGUGCA 70
chr-4.trna37-Gly-GCC    CCGGCUGGUGCA 71
chr-3.trna59-Gly-GCC    CCGGCUGGUGCA 71
chr-8.trna65-Gly-CCC    CCUGGAUGCGCA 71
chr-5.trna38-Gly-CCC    CCUGGAUGCGCA 71
chr-4.trna44-Gly-CCC    CCUGGAUGCGCA 71
chr-7.trna14-Gly-CCC    CCUGGAUGCGCA 71
chr-5.trna39-Gly-CCC    CCUGGAUGCGCA 71
chr-1.trna100-Gly-TCC   CCGGCAGACGCA 72
chr-8.trna72-Gly-TCC    CCGGCAGACGCA 72
chr-8.trna59-Gly-TCC    CCGGCAGACGCA 72
chr-6.trna13-Gly-TCC    CCGGCAGACGCA 72
chr-5.trna57-Gly-TCC    CCGGCAGACGCA 72
chr-4.trna11-Gly-TCC    CCGGCAGACGCA 72
chr-5.trna55-Gly-TCC    CCGGCAGACGCA 72
chr-1.trna16-Gly-TCC    CCGGCAGACGCA 72
chr-5.trna9-Gly-TCC     CCGGCAGACGCU 72
chr-3.trna43-Gly-GCC    CUGGUAUCCGCC 71
chr-2.trna43-Gly-TCC    CCGGCAACGGAU 72
                        .........70.
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