```
                        (((((((...((((.....))))...(((((.......)))))....(((((.......
chr-5.trna24-Gly-GCC    UCACCAGUGGUCUA-GUAC-UAGAAUAGUACCCUGCCACGGUACAGACCCGGGUUCGAUU 58
chr-2.trna27-Gly-GCC    GCACCAGUGGUCUA-GUGG-UAGAAUAGUACCCUGCCACGGUACAGACCCGGGUUCGAUU 58
chr-3.trna2-Gly-GCC     GCACCAGUGGUCUA-GUGG-UAGAAUAGUACCCUGCCACGGUACAGACCCGGGUUCGAUU 58
chr-3.trna3-Gly-GCC     GCACCAGUGGUCUA-GUGG-UAGAAUAGUACCCUGCCACGGUACAGACCCGGGUUCGAUU 58
chr-17.trna25-Gly-GCC   GCACCAGUGGUCUA-GUGG-UAGAAUAGUACCCUGCCACGGUACAGACCCGGGUUCGAUU 58
chr-4.trna15-Gly-GCC    GCACCAGUGGUCUA-GUGG-UAGAAUAGUACCCUGCCACGGUACAGACCCGGGUUCGAUU 58
chr-17.trna12-Gly-GCC   GCACCAGUGGUCUA-GUGG-UAGAAUAGUACCCUGCCACGGUACAGACCCGGGUUCGAUU 58
chr-16.trna37-Gly-GCC   GCACCAGUGGUCUA-GUGG-UAGAAUAGUACCCUGCCACGGUACAGACCCGGGUUCGAUU 58
chr-16.trna29-Gly-GCC   GCACCAGUGGUCUA-GUGG-UAGAAUAGUACCCUGCCACGGUACAGACCCGGGUUCGAUU 58
chr-6.trna3-Gly-GCC     GCAUCAGUGGUCUA-GUGG-UAGAAUAGUACCCUGCCACGGUACAGACCCGGGUUCGAUU 58
chr-15.trna51-Gly-GCC   GCACCAGUGGUCUA-GUGG-UAGAAUAGUACCCUGCCACGGUACAGACCCGGGUUCGAUU 58
chr-9.trna26-Gly-GCC    GCACCAGUGGUCUA-GUGG-UAGAAUAGUACCCUGCCACGGUACAGACCCGGGUUCGAUU 58
chr-10.trna13-Gly-GCC   GCACCAGUGGUCUA-GUGG-UAGAAUAGUACCCUGCCACGGUACAGACCCGGGUUCGAUU 58
chr-11.trna3-Gly-GCC    GCACCAGUGGUCUA-GUGG-UAGAAUAGUACCCUGCCACGGUACAGACCCGGGUUCGAUU 58
chr-13.trna25-Gly-GCC   GCACCAGUGGUCUA-GUGG-UAGAAUAGUACCCUGCCACGGUACAGACCCGGGUUCGAUU 58
chr-12.trna10-Gly-GCC   GCACCAGUGGUCUA-GUGG-UAGAAUAGUACCCUGCCACGGUACAGACCCGGGUUCGAUU 58
chr-12.trna21-Gly-GCC   GCACCAGUGGUCUA-GUGG-UAGAAUAGUACCCUGCCACGGUACAGACCCGGGUUCGAUU 58
chr-12.trna22-Gly-GCC   GCACCAGUGGUCUA-GUGG-UAGAAUAGUACCCUGCCACGGUACAGACCCGGGUUCGAUU 58
chr-13.trna11-Gly-GCC   GCACCAGUGGUCUA-GUGG-UAGAACAGUACCCUGCCACGGUACAGACCCAGGUUCGAUU 58
chr-5.trna20-Gly-GCC    GCAUCAGUGGUCUA-GUGG-UAGAAUAGUACUCUGCCACGGUACAGACCCGGGUUCGAUU 58
chr-13.trna10-Gly-GCC   GCACCAGUGGUCUA-GUGG-UAGAAUAGUACCCUGCCACGAUACAGACCCGGGUUCGAUU 58
chr-11.trna2-Gly-GCC    GCACCAGUGGUCUA-GUGG-UAGAAUAGUACCCUGCCACAGUACAGACCCGGGUUCGAUU 58
chr-17.trna22-Gly-GCC   GCACCAGUGGUCUA-GUGG-UAGAAUAGUACCCCGCCACGGUAUAGACCCGGGUUUGAUU 58
chr-8.trna14-Gly-GCC    GCACCAGUGGUCUA-GUGG-UAGAAUAGUACCCUGCCACGGUACAGACCCGG-UUCGAUU 57
chr-9.trna34-Gly-CCC    GCGCAUCUGGUGUA-GUGG-UAUCAUAGUACCCUCCCACGGUACUGACCAGAGUUCGAUU 58
chr-14.trna26-Gly-CCC   GCGCAUCUGGUGUA-GUGG-UAUCAUAGUACCCUCCCACGGUACUGACCAGGGUUCGAUU 58
chr-17.trna36-Gly-CCC   GCGCAUCUGGUGUA-GUGG-UAUCAUAGUACCCUCCCACGGUACUGACCAGGGUUCGAUU 58
chr-3.trna28-Gly-CCC    GCGCAUCUGGUGUA-GUGG-UAUCAUAGUACCCUCCCACGGUACUGACCAGGGUUCGAUU 58
chr-3.trna40-Gly-CCC    GCGCAUCUGGUGUA-GUGG-UAUCAUAGUACCCUCCCACGGUACUGACCAGGGUUCGAUU 58
chr-6.trna29-Gly-CCC    GCGCAUCUGGUGUA-GUGG-UAUCAUAGUACCCUCCCACGGUACUGACCAGGGUUCGAUU 58
chr-12.trna16-Gly-CCC   GCGCAUCUGGUGUA-GUGG-UAUCAUAGUACCCUCCCACGGUACUGACCAGGGUUCGAUU 58
chr-11.trna31-Gly-CCC   GCGCAUCUGGUGUA-GUGG-UAUCAUAGUACCCUCCCACGGUACUGACCAGGGUUCGAUU 58
chr-5.trna46-Gly-CCC    GCGCAUCUGGUGUA-GUGG-UAUCAUAGUACCCUCCCACGGUACUGACCAGGGUUCGAUU 58
chr-3.trna6-Gly-TCC     GCGUUUGUAGUCCA-ACGGUUAGGAUAAUUGCCUUCCAAGCAAUAGACCCGGGUUCGACU 59
chr-3.trna48-Gly-TCC    GCGUUUGUAGUCCA-ACGGUUAGGAUAAUUGCCUUCCAAGCAAUAGACCCGGGUUCGACU 59
chr-12.trna36-Gly-TCC   GCGUUUGUAGUCCA-ACGGUUAGGAUAAUUGCCUUCCAAGCAAUAGACCCGGGUUCGACU 59
chr-3.trna54-Gly-TCC    GCGUUUGUAGUCCA-ACGGUUAGGAUAAUUGCCUUCCAAGCAAUAGACCCGGGUUCGACU 59
chr-4.trna5-Gly-TCC     GCGUUUGUAGUCCA-ACGGUUAGGAUAAUUGCCUUCCAAGCAAUAGACCCGGGUUCGACU 59
chr-11.trna79-Gly-TCC   GCGUUUGUAGUCCA-ACGGUUAGGAUAAUUGCCUUCCAAGCAAUAGACCCGGGUUCGACU 59
chr-11.trna78-Gly-TCC   GCGUUUGUAGUCCA-ACGGUUAGGAUAAUUGCCUUCCAAGCAAUAGACCCGGGUUCGACU 59
chr-11.trna77-Gly-TCC   GCGUUUGUAGUCCA-ACGGUUAGGAUAAUUGCCUUCCAAGCAAUAGACCCGGGUUCGACU 59
chr-11.trna70-Gly-TCC   GCGUUUGUAGUCCA-ACGGUUAGGAUAAUUGCCUUCCAAGCAAUAGACCCGGGUUCGACU 59
chr-15.trna11-Gly-TCC   GCGUUUGUAGUCCA-ACGGUUAGGAUAAUUGCCUUCCAAGCAAUAGACCCGGGUUCGACU 59
chr-11.trna7-Gly-TCC    GCGUUUGUAGUCCA-ACGGUUAGGAUAAUUGCCUUCCAAGCAAUAGACCCGGGUUCGACU 59
chr-6.trna5-Gly-TCC     GCGUUUGUAGUCCA-ACGGUUAGGAUAAUUGCCUUCCAAGCAAUAGACCCGGGUUCGACU 59
chr-8.trna8-Gly-TCC     GCGUUUGUAGUCCA-ACGGUUAGGAUAAUUGCCUUCCAAGCAAUAGACCCGGGUUCGACU 59
chr-14.trna35-Gly-TCC   GCGUUUGUAGUCCA-ACGGUUAGGAUAAUUGCCUUCCAAGCAAUAGACCCGGGUUCGACU 59
chr-6.trna35-Gly-TCC    GUGUUUGUAGUCCA-ACGGUUAGGAUAAUUGCCUUCCAAGCAAUAGACCCGCGUUCGACU 59
chr-11.trna6-Gly-GCC    GCAUAUAUAGUCGA-AUGG-UAAAAUUUCUCUUUGCCAUGGAGAAGACGCGGGUUUGAUU 58
chr-15.trna66-Gly-CCC   CCCGUUGUAGUCUAGGUGAUCGGGAUAUUCGGCUCCCAGCCGAAGGACCCGUGUUCAAGU 60
                        .........10........20........30........40........50........
                        ))))))))))))).
chr-5.trna24-Gly-GCC    GCCGGCUGGUGCA 71
chr-2.trna27-Gly-GCC    CCGGCUGGUGCA 71
chr-3.trna2-Gly-GCC     CCGGCUGGUGCA 71
chr-3.trna3-Gly-GCC     CCGGCUGGUGCA 71
chr-17.trna25-Gly-GCC   CCGGCUGGUGCA 71
chr-4.trna15-Gly-GCC    CCGGCUGGUGCA 71
chr-17.trna12-Gly-GCC   CCGGCUGGUGCA 71
chr-16.trna37-Gly-GCC   CCGGCUGGUGCA 71
chr-16.trna29-Gly-GCC   CCGGCUGGUGCA 71
chr-6.trna3-Gly-GCC     CCGGCUGAUGCA 71
chr-15.trna51-Gly-GCC   CCGGCUGGUGCA 71
chr-9.trna26-Gly-GCC    CCGGCUGGUGCA 71
chr-10.trna13-Gly-GCC   CCGGCUGGUGCA 71
chr-11.trna3-Gly-GCC    CCGGCUGGUGCA 71
chr-13.trna25-Gly-GCC   CCGGCUGGUGCA 71
chr-12.trna10-Gly-GCC   CCGGCUGGUGCA 71
chr-12.trna21-Gly-GCC   CCGGCUGGUGCA 71
chr-12.trna22-Gly-GCC   CCGGCUGGUGCA 71
chr-13.trna11-Gly-GCC   CCUGGCUGGUGCA 71
chr-5.trna20-Gly-GCC    UCGGCUGAUGCA 71
chr-13.trna10-Gly-GCC   CCGGCUGGUGCA 71
chr-11.trna2-Gly-GCC    CCGGCUGGUGCA 71
chr-17.trna22-Gly-GCC   CCGGCUGGUGCU 71
chr-8.trna14-Gly-GCC    CCGGCUGGUGCC 70
chr-9.trna34-Gly-CCC    CCCUGGAUGCGCA 71
chr-14.trna26-Gly-CCC   CCCUAGAUGCGCA 71
chr-17.trna36-Gly-CCC   CCCUGGAUGCGCA 71
chr-3.trna28-Gly-CCC    CCCUGGAUGCGCA 71
chr-3.trna40-Gly-CCC    CCCUGGAUGCGCA 71
chr-6.trna29-Gly-CCC    CCCUGGAUGCGCA 71
chr-12.trna16-Gly-CCC   CCCUGGAUGCGCA 71
chr-11.trna31-Gly-CCC   CCCUGGAUGCGCA 71
chr-5.trna46-Gly-CCC    CCCUGGAUGCGCA 71
chr-3.trna6-Gly-TCC     CCCGGCAAACGCA 72
chr-3.trna48-Gly-TCC    CCCGGCAAACGCA 72
chr-12.trna36-Gly-TCC   CCCGGCAAACGCA 72
chr-3.trna54-Gly-TCC    CCCGGCAAACGCA 72
chr-4.trna5-Gly-TCC     CCCGGCAAACGCA 72
chr-11.trna79-Gly-TCC   CCCGGCAAACGCA 72
chr-11.trna78-Gly-TCC   CCCGGCAAACGCA 72
chr-11.trna77-Gly-TCC   CCCGGCAAACGCA 72
chr-11.trna70-Gly-TCC   CCCGGCAAACGCA 72
chr-15.trna11-Gly-TCC   CCCGGCAAACGCA 72
chr-11.trna7-Gly-TCC    CCCGGCAAACGCA 72
chr-6.trna5-Gly-TCC     CCCGGCAAACGCA 72
chr-8.trna8-Gly-TCC     CCCGGCAAACGCA 72
chr-14.trna35-Gly-TCC   CCCGGCAAACGCA 72
chr-6.trna35-Gly-TCC    CCCGGCAAACUCA 72
chr-11.trna6-Gly-GCC    CCCGCUAUCCGCC 71
chr-15.trna66-Gly-CCC   CCCCGCAACGGAA 73
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