```
                        (((((((..((((........)))).(((((.......)))))).....(((((.......
chr-6.trna59-Gly-CCC    GCGCAUCUGGUGUAGUGG-UAUCAUAGUACCCUCCCACGGUACUGA-CCAGGGUUCGAUU 58
chr-8.trna53-Gly-CCC    GCGCAUCUGGUGUAGUGG-UAUCAUAGUACCCUCCCACGGUACUGA-CCAGGGUUCGAUU 58
chr-9.trna3-Gly-CCC     GCGCAUCUGGUGUAGUGG-UAUCAUAGUACCCUCCCACGGUACUGA-CCAGGGUUCGAUU 58
chr-1.trna73-Gly-CCC    GCGCAUCUGGUGUAGUGG-UAUCAUAGUACCCUCCCACGGUACUGA-CCAGGGUUCGAUU 58
chr-2.trna86-Gly-CCC    GCGCAUCUGGUGUAGUGG-UAUCAUAGUACCCUCCCACGGUACUGA-CCAGGGUUCGAUU 58
chr-12.trna41-Gly-CCC   GCGCAACUGGUGUAGUGG-UAUCAUAGUACCCUCCCACGGUACUGA-CCGGGGUUCGAUU 58
chr-8.trna66-Gly-CCC    GCGCAUCUGGUGUAGUGG-UAUCAUAGUACCCUCCCACGGUACUGA-CCGGGGUUCGAUU 58
chr-9.trna23-Gly-CCC    UCGCAUCUAGUGUAGUGG-UAUCAUAGUACCCUCCCACGGUACUGA-CC-GGGUUUGAUU 57
chr-1.trna16-Gly-GCC    GCACCAGUGGUCUAGUGG-UAGAAUAGUACCCUGCCACGGUACAGA-CCCGGGUUCGAUU 58
chr-1.trna62-Gly-GCC    GCACCAGUGGUCUAGUGG-UAGAAUAGUACCCUGCCACGGUACAGA-CCCGGGUUCGAUU 58
chr-12.trna47-Gly-GCC   GCACCAGUGGUCUAGUGG-UAGAAUAGUACCCUGCCACGGUACAGA-CCCGGGUUCGAUU 58
chr-3.trna37-Gly-GCC    GCACCAGUGGUCUAGUGG-UAGAAUAGUACCCUGCCACGGUACAGA-CCCGGGUUCGAUU 58
chr-3.trna52-Gly-GCC    GCACCAGUGGUCUAGUGG-UAGAAUAGUACCCUGCCACGGUACAGA-CCCGGGUUCGAUU 58
chr-5.trna12-Gly-GCC    GCACCAGUGGUCUAGUGG-UAGAAUAGUACCCUGCCACGGUACAGA-CCCGGGUUCGAUU 58
chr-5.trna50-Gly-GCC    GCACCAGUGGUCUAGUGG-UAGAAUAGUACCCUGCCACGGUACAGA-CCCGGGUUCGAUU 58
chr-6.trna1-Gly-GCC     GCACCAGUGGUCUAGUGG-UAGAAUAGUACCCUGCCACGGUACAGA-CCCGGGUUCGAUU 58
chr-6.trna6-Gly-GCC     GCACCAGUGGUCUAGUGG-UAGAAUAGUACCCUGCCACGGUACAGA-CCCGGGUUCGAUU 58
chr-9.trna26-Gly-GCC    GCACCAGUGGUCUAGUGG-UAGAAUAGUACCCUGCCACGGUACAGA-CCCGGGUUCGAUU 58
chr-6.trna15-Gly-GCC    GCACCAGUGGUCUAGUGG-UAGAAUAGUACCCUGCCACGGUACAGA-CCCGGGUUCGAUU 58
chr-9.trna12-Gly-GCC    GCACCAGUGGUCUAGUGG-UAGAAUAGUACCCUGCCACGGUACAGA-CCCGGGUUCGAUU 58
chr-6.trna45-Gly-GCC    GCACCAGUGGUCUAGUGG-UAGAAUAGUACCCUGCCACGGUACAGA-CCCGGGUUCGAUU 58
chr-6.trna55-Gly-GCC    GCACCAGUGGUCUAGUGG-UAGAAUAGUACCCUGCCACGGUACAGA-CCCGGGUUCGAUU 58
chr-8.trna56-Gly-GCC    GCACCAGUGGUCUAGUGG-UAGAAUAGUACCCUGCCACGGUACAGA-CCCGGGUUCGAUU 58
chr-6.trna56-Gly-GCC    GCACCAGUGGUCUAGUGG-UAGAAUAGUACCCUGCCACGGUACAGA-CCCGGGUUCGAUU 58
chr-7.trna37-Gly-GCC    GCACCAGUGGUCUAGUGG-UAGAAUAGUACCCUGCCACGGUACAGA-CCCGGGUUCGAUU 58
chr-12.trna26-Gly-GCC   GUAACAGUGGUCUAGUGG-UAGAAUAGUACCCUGCCACGGUACAGA-CCCGGUUUCGAUU 58
chr-1.trna7-Gly-TCC     GCGUUUGUAGUCCAACGGUUAGGAUAAUUGCCUUCCAAGCAAUAGA-CCCGGGUUCGACU 59
chr-1.trna8-Gly-TCC     GCGUUUGUAGUCCAACGGUUAGGAUAAUUGCCUUCCAAGCAAUAGA-CCCGGGUUCGACU 59
chr-1.trna6-Gly-TCC     GCGUUUGUAGUCCAACGGUUAGGAUAAUUGCCUUCCAAGCAAUAGA-CCCGGGUUCGACU 59
chr-1.trna17-Gly-TCC    GCGUUUGUAGUCCAACGGUUAGGAUAAUUGCCUUCCAAGCAAUAGA-CCCGGGUUCGACU 59
chr-1.trna44-Gly-TCC    GCGUUUGUAGUCCAACGGUUAGGAUAAUUGCCUUCCAAGCAAUAGA-CCCGGGUUCGACU 59
chr-1.trna46-Gly-TCC    GCGUUUGUAGUCCAACGGUUAGGAUAAUUGCCUUCCAAGCAAUAGA-CCCGGGUUCGACU 59
chr-2.trna22-Gly-TCC    GCGUUUGUAGUCCAACGGUUAGGAUAAUUGCCUUCCAAGCAAUAGA-CCCGGGUUCGACU 59
chr-10.trna16-Gly-TCC   GCGUUUGUAGUCCAACGGUUAGGAUAAUUGCCUUCCAAGCAAUAGA-CCCGGGUUCGACU 59
chr-2.trna23-Gly-TCC    GCGUUUGUAGUCCAACGGUUAGGAUAAUUGCCUUCCAAGCAAUAGA-CCCGGGUUCGACU 59
chr-2.trna88-Gly-TCC    GCGUUUGUAGUCCAACGGUUAGGAUAAUUGCCUUCCAAGCAAUAGA-CCCGGGUUCGACU 59
chr-5.trna4-Gly-TCC     GCGUUUGUAGUCCAACGGUUAGGAUAAUUGCCUUCCAAGCAAUAGA-CCCGGGUUCGACU 59
chr-4.trna17-Gly-TCC    GCGUUUGUAGUCCAACGGUUAGGAUAAUUGCCUUCCAAGCAAUAGA-CCCGGGUUCGACU 59
chr-4.trna6-Gly-TCC     GCGUUUGUAGUCCAACGGUUAGGAUAAUUGCCUUCCAAGCAAUAGA-CCCGGGUUCGACU 59
chr-4.trna5-Gly-TCC     GCGUUUGUAGUCCAACGGUUAGGAUAAUUGCCUUCCAAGCAAUAGA-CCCGGGUUCGACU 59
chr-2.trna87-Gly-TCC    GCAUUUGUAGUCCAACGGUUAGGAUAAUUGCCUUCCAAGCAAUAGA-CCCGGGUUCGACU 59
chr-10.trna29-Gly-GCC   GCGAAUAUAGUUGAAUGG-UAAAAUUUCUAUUUGCCAUGGAGAAGA-UGCGGGUUUGAUU 58
chr-1.trna48-Gly-GCC    GCGGAAAUAGCUUAAUGG-UAGAGCAUAGCCUUGCCAAGGCUGAGGUUGAGGGUUCAAGU 59
chr-12.trna43-Gly-GCC   GGGGAAAUAGCUUAAUGG-UAAAGCAUAGCCUUGCCAAGGCUGAGGUUGAGGGUUCAAGU 59
chr-10.trna24-Gly-GCC   GCAGAAAUAGCUUAAUGG-UAGAGCAUAGCCUUGCCAAGGCUGAGGUUGAGGGUUCAAGU 59
chr-2.trna94-Gly-GCC    GUC--AAUAGCUUAACGG-UAGAGCAUAGCCUUGCCAAGACUGAGGUUGAGGGUUCAAGU 57
                        .........10........20........30........40........50.........

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chr-6.trna59-Gly-CCC    CCCUGGAUGCGCA 71
chr-8.trna53-Gly-CCC    CCCUGGAUGCGCA 71
chr-9.trna3-Gly-CCC     CCCUGGAUGCGCA 71
chr-1.trna73-Gly-CCC    CCCUGGAUGCGCA 71
chr-2.trna86-Gly-CCC    CCCUGGAUGCGCA 71
chr-12.trna41-Gly-CCC   CCCCGGUUGCGCA 71
chr-8.trna66-Gly-CCC    CCCCGAAUGCGCA 71
chr-9.trna23-Gly-CCC    CCCUGGAUGCGCA 70
chr-1.trna16-Gly-GCC    CCCGGCUGGUGCA 71
chr-1.trna62-Gly-GCC    CCCGGCUGGUGCA 71
chr-12.trna47-Gly-GCC   CCCGGCUGGUGCA 71
chr-3.trna37-Gly-GCC    CCCGGCUGGUGCA 71
chr-3.trna52-Gly-GCC    CCCGGCUGGUGCA 71
chr-5.trna12-Gly-GCC    CCCGGCUGGUGCA 71
chr-5.trna50-Gly-GCC    CCCGGCUGGUGCA 71
chr-6.trna1-Gly-GCC     CCCGGCUGGUGCA 71
chr-6.trna6-Gly-GCC     CCCGGCUGGUGCA 71
chr-9.trna26-Gly-GCC    CCCGGCUGGUGCA 71
chr-6.trna15-Gly-GCC    CCCGGCUGGUGCA 71
chr-9.trna12-Gly-GCC    CCCGGCUGGUGCA 71
chr-6.trna45-Gly-GCC    CCCGGCUGGUGCA 71
chr-6.trna55-Gly-GCC    CCCGGCUGGUGCA 71
chr-8.trna56-Gly-GCC    CCCGGCUGGUGCA 71
chr-6.trna56-Gly-GCC    CCCGGCUGGUGCA 71
chr-7.trna37-Gly-GCC    CCCGGCUGGUGCA 71
chr-12.trna26-Gly-GCC   CCCGGCUGGUGCA 71
chr-1.trna7-Gly-TCC     CCCGGCAAACGCA 72
chr-1.trna8-Gly-TCC     CCCGGCAGACGCA 72
chr-1.trna6-Gly-TCC     CCCGGCAAACGCA 72
chr-1.trna17-Gly-TCC    CCCGGCAGACGCA 72
chr-1.trna44-Gly-TCC    CCCGGCAAACGCA 72
chr-1.trna46-Gly-TCC    CCCGGCAAACGCA 72
chr-2.trna22-Gly-TCC    CCCGGCAAACGCA 72
chr-10.trna16-Gly-TCC   CCCGGCAAACGCA 72
chr-2.trna23-Gly-TCC    CCCGGCAAACGCA 72
chr-2.trna88-Gly-TCC    CCCGGCAAACGCA 72
chr-5.trna4-Gly-TCC     CCCGGCAGACGCA 72
chr-4.trna17-Gly-TCC    CCCGGCAAACGCA 72
chr-4.trna6-Gly-TCC     CCCGGCAAACGCA 72
chr-4.trna5-Gly-TCC     CCCGGCAAACGCA 72
chr-2.trna87-Gly-TCC    CCCGGCAAACGCA 72
chr-10.trna29-Gly-GCC   CCCGCUAUCCGCC 71
chr-1.trna48-Gly-GCC    CCCUCCUUCCGCU 72
chr-12.trna43-Gly-GCC   CCCUCCUUCCGCU 72
chr-10.trna24-Gly-GCC   CCCUCCUUCCGCU 72
chr-2.trna94-Gly-GCC    CCCUCCUUCUGCU 70
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