```
                        (((((((..((((........)))).(((((.......)))))).....(((((.......)))))
chr-2e.trna25-Gly-TCC   GCGUCAGUAGUCCAACGGUCAGGAUAAUUGCCUUCCAAGCAAUAGAUCCGGGUUCGACUC 60
chr-1c.trna5-Gly-TCC    GCGUUUGUAGUCCAACGGUUAGGAUAAUUGCCUUCCAAGCAAUAGACCCGGGUUCGACUC 60
chr-1c.trna4-Gly-TCC    GCGUUUGUAGUCCAACGGUUAGGAUAAUUGCCUUCCAAGCAAUAGACCCGGGUUCGACUC 60
chr-11e.trna15-Gly-TCC  GCGUUUGUAGUCCAACGGUUAGGAUAAUUGCCUUCCAAGCAAUAGACCCGGGUUCGACUC 60
chr-2e.trna46-Gly-TCC   GCGUUUGUAGUCCAACGGUUAGGAUAAUUGCCUUCCAAGCAAUAGACCCGGGUUCGACUC 60
chr-11c.trna13-Gly-TCC  GCGUUUGUAGUCCAACGGUUAGGAUAAUUGCCUUCCAAGCAAUAGACCCGGGUUCGACUC 60
chr-2e.trna57-Gly-TCC   GCGUUUGUAGUCCAACGGUUAGGAUAAUUGCCUUCCAAGCAAUAGACCCGGGUUCGACUC 60
chr-1c.trna44-Gly-TCC   GCGUUUGUAGUCCAACGGUUAGGAUAAUUGCCUUCCAAGCAAUAGACCCGGGUUCGACUC 60
chr-1c.trna69-Gly-TCC   GCGUUUGUAGUCCAACGGUUAGGAUAAUUGCCUUCCAAGCAAUAGACCCGGGUUCGACUC 60
chr-2c.trna56-Gly-TCC   GCGUUUGUAGUCCAACGGUUAGGAUAAUUGCCUUCCAAGCAAUAGACCCGGGUUCGACUC 60
chr-5c.trna16-Gly-TCC   GCGUUUGUAGUCCAACGGUUAGGAUAAUUGCCUUCCAAGCAAUAGACCCGGGUUCGACUC 60
chr-8e.trna27-Gly-TCC   GCGUUUGUAGUCCAACGGUUAGGAUAAUUGCCUUCCAAGCAAUAGACCCGGGUUCGACUC 60
chr-2c.trna42-Gly-TCC   GCGUUUGUAGUCCAACGGUUAGGAUAAUUGCCUUCCAAGCAAUAGACCCGGGUUCGACUC 60
chr-1e.trna54-Gly-TCC   GCGUUUGUAGUCCAACGGUUAGGAUAAUUGCCUUCCAAGCAAUAGACCCGGGUUCGACUC 60
chr-1c.trna70-Gly-TCC   GCGUUUGUAGUCCAACGGUUAGGAUAAUUGCCUUCCAAGCAAUAGACCCGGGUUCGACUC 60
chr-1e.trna1-Gly-TCC    GCGUUUGUAGUCCAACGGUUAGGAUAAUUGCCUUCCAAGCAAUAGACCCGGGUUCGACUC 60
chr-8c.trna23-Gly-TCC   GCGUUUGUAGUCCAACGGUUAGGAUAAUUGCCUUCCAAGCAAUAGACCCGGGUUCGACUC 60
chr-1e.trna2-Gly-TCC    GCGUUUGUAGUCCAACGGUUAGGAUAAUUGCCUUCCAAGCAAUAGACCCGGGUUCGACUC 60
chr-6e.trna25-Gly-TCC   GCGUUUGUAGUCCAACAGUUAGGAUAAUUGCCUUCCAAGCAAUAGACCCGGGUUCGACUC 60
chr-6c.trna24-Gly-TCC   GCGUUUGUAGUCCAACAGUUAGGAUAAUUGCCUUCCAAGCAAUAGACCCGGGUUCGACUC 60
chr-2c.trna58-Gly-TCC   GCGUUUGUAGUCCAACGGUUAGGAUAAUUGCCUUCCAAGCAAUAGACCCGGGUUCAACUC 60
chr-1e.trna30-Gly-TCC   GCGUUUGUAGUCCAACGGUUAGGAUAAUUGCCUUCCAAGCAAUAGACCCGG-UUCGACCC 59
chr-5e.trna28-Gly-ACC   GCGGAUAUGGUCGAAUGGU-AAAAUUUCUCUUUACCAAGGAGAAGACGCGGGUUCGACUC 59
chr-1c.trna32-Gly-CCC   GCGCAUCUGGUGUAGUGGU-AUCAUAGUACCCUCCCACGGUACUGACCGGGGUUCGAUUC 59
chr-1e.trna40-Gly-CCC   GCGCAUCUGGUGUAGUGGU-AUCAUAGUACCCUCCCACGGUACUGACCGGGGUUCGAUUC 59
chr-3e.trna2-Gly-CCC    GCGCAUCUGGUGUAGUGGU-AUCAUAGUACCCUCCCACGGUACUGACCGGGGUUCGAUUC 59
chr-3c.trna2-Gly-CCC    GCGCAUCUGGUGUAGUGGU-AUCAUAGUACCCUCCCACGGUACUGACCGGGGUUCGAUUC 59
chr-8c.trna20-Gly-CCC   GCGCAUCUGGUGUAGUGGU-AUCAUAGUACCCUCCCACGGUACUGACCGGGGUUCGAUUC 59
chr-8e.trna22-Gly-CCC   GCGCAUCUGGUGUAGUGGU-AUCAUAGUACCCUCCCACGGUACUGACCGGGGUUCGAUUC 59
chr-5c.trna26-Gly-CCC   GCGCAUCUGGUGUAGUGGU-AUCAUAGUACCCUCCCACGGUACUGACCGGGGUUCGAUUC 59
chr-1c.trna23-Gly-GCC   GCACCAGUGGUCUAGUGGU-AGAAUAGUACCCUGCCACGGUACAGACCCGGGUUCGAUUC 59
chr-1c.trna24-Gly-GCC   GCACCAGUGGUCUAGUGGU-AGAAUAGUACCCUGCCACGGUACAGACCCGGGUUCGAUUC 59
chr-1c.trna34-Gly-GCC   GCACCAGUGGUCUAGUGGU-AGAAUAGUACCCUGCCACGGUACAGACCCGGGUUCGAUUC 59
chr-1e.trna32-Gly-GCC   GCACCAGUGGUCUAGUGGU-AGAAUAGUACCCUGCCACGGUACAGACCCGGGUUCGAUUC 59
chr-8c.trna26-Gly-GCC   GCACCAGUGGUCUAGUGGU-AGAAUAGUACCCUGCCACGGUACAGACCCGGGUUCGAUUC 59
chr-1e.trna42-Gly-GCC   GCACCAGUGGUCUAGUGGU-AGAAUAGUACCCUGCCACGGUACAGACCCGGGUUCGAUUC 59
chr-2c.trna45-Gly-GCC   GCACCAGUGGUCUAGUGGU-AGAAUAGUACCCUGCCACGGUACAGACCCGGGUUCGAUUC 59
chr-8e.trna30-Gly-GCC   GCACCAGUGGUCUAGUGGU-AGAAUAGUACCCUGCCACGGUACAGACCCGGGUUCGAUUC 59
chr-2c.trna47-Gly-GCC   GCACCAGUGGUCUAGUGGU-AGAAUAGUACCCUGCCACGGUACAGACCCGGGUUCGAUUC 59
chr-2c.trna67-Gly-GCC   GCACCAGUGGUCUAGUGGU-AGAAUAGUACCCUGCCACGGUACAGACCCGGGUUCGAUUC 59
chr-7e.trna29-Gly-GCC   GCACCAGUGGUCUAGUGGU-AGAAUAGUACCCUGCCACGGUACAGACCCGGGUUCGAUUC 59
chr-6e.trna52-Gly-GCC   GCACCAGUGGUCUAGUGGU-AGAAUAGUACCCUGCCACGGUACAGACCCGGGUUCGAUUC 59
chr-6e.trna50-Gly-GCC   GCACCAGUGGUCUAGUGGU-AGAAUAGUACCCUGCCACGGUACAGACCCGGGUUCGAUUC 59
chr-2c.trna68-Gly-GCC   GCACCAGUGGUCUAGUGGU-AGAAUAGUACCCUGCCACGGUACAGACCCGGGUUCGAUUC 59
chr-6c.trna55-Gly-GCC   GCACCAGUGGUCUAGUGGU-AGAAUAGUACCCUGCCACGGUACAGACCCGGGUUCGAUUC 59
chr-6c.trna53-Gly-GCC   GCACCAGUGGUCUAGUGGU-AGAAUAGUACCCUGCCACGGUACAGACCCGGGUUCGAUUC 59
chr-2e.trna49-Gly-GCC   GCACCAGUGGUCUAGUGGU-AGAAUAGUACCCUGCCACGGUACAGACCCGGGUUCGAUUC 59
chr-5c.trna35-Gly-GCC   GCACCAGUGGUCUAGUGGU-AGAAUAGUACCCUGCCACGGUACAGACCCGGGUUCGAUUC 59
chr-5c.trna34-Gly-GCC   GCACCAGUGGUCUAGUGGU-AGAAUAGUACCCUGCCACGGUACAGACCCGGGUUCGAUUC 59
chr-5c.trna32-Gly-GCC   GCACCAGUGGUCUAGUGGU-AGAAUAGUACCCUGCCACGGUACAGACCCGGGUUCGAUUC 59
chr-5c.trna31-Gly-GCC   GCACCAGUGGUCUAGUGGU-AGAAUAGUACCCUGCCACGGUACAGACCCGGGUUCGAUUC 59
chr-2e.trna74-Gly-GCC   GCACCAGUGGUCUAGUGGU-AGAAUAGUACCCUGCCACGGUACAGACCCGGGUUCGAUUC 59
chr-2e.trna75-Gly-GCC   GCACCAGUGGUCUAGUGGU-AGAAUAGUACCCUGCCACGGUACAGACCCGGGUUCGAUUC 59
chr-3c.trna5-Gly-GCC    GCACCAGUGGUCUAGUGGU-AGAAUAGUACCCUGCCACGGUACAGACCCGGGUUCGAUUC 59
chr-4e.trna35-Gly-GCC   GCACCAGUGGUCUAGUGGU-AGAAUAGUACCCUGCCACGGUACAGACCCGGGUUCGAUUC 59
chr-4c.trna30-Gly-GCC   GCACCAGUGGUCUAGUGGU-AGAAUAGUACCCUGCCACGGUACAGACCCGGGUUCGAUUC 59
chr-2e.trna76-Gly-GCC   GCACCAGUGGUCUAGUGGU-AGAAUAGUACCCUGCCACGGUACAGACCCGGGUUCGAUUC 59
                        .........10........20........30........40........50.........
                        ))))))))))).
chr-2e.trna25-Gly-TCC   CCGGCUGACGCA 72
chr-1c.trna5-Gly-TCC    CCGGCAAACGCA 72
chr-1c.trna4-Gly-TCC    CCGGCAAACGCA 72
chr-11e.trna15-Gly-TCC  CCGGCAAACGCA 72
chr-2e.trna46-Gly-TCC   CCGGCAAACGCA 72
chr-11c.trna13-Gly-TCC  CCGGCAAACGCA 72
chr-2e.trna57-Gly-TCC   CCGGCAAACGCA 72
chr-1c.trna44-Gly-TCC   CCGGCAAACGCA 72
chr-1c.trna69-Gly-TCC   CCGGCAAACGCA 72
chr-2c.trna56-Gly-TCC   CCGGCAAACGCA 72
chr-5c.trna16-Gly-TCC   CCGGCAGACGCA 72
chr-8e.trna27-Gly-TCC   CCGGCAGACGCA 72
chr-2c.trna42-Gly-TCC   CCGGCAGACGCA 72
chr-1e.trna54-Gly-TCC   CCGGCAAACGCA 72
chr-1c.trna70-Gly-TCC   CCGGCAAACGCA 72
chr-1e.trna1-Gly-TCC    CCGGCAAACGCA 72
chr-8c.trna23-Gly-TCC   CCGGCAGACGCA 72
chr-1e.trna2-Gly-TCC    CCGGCAAACGCA 72
chr-6e.trna25-Gly-TCC   CCGGCAAACGCA 72
chr-6c.trna24-Gly-TCC   CCGGCAAACGCA 72
chr-2c.trna58-Gly-TCC   CCGGCAAACGCA 72
chr-1e.trna30-Gly-TCC   CCGGCAGACGCA 71
chr-5e.trna28-Gly-ACC   CCGCUAUCCGCC 71
chr-1c.trna32-Gly-CCC   CCCGGAUGCGCA 71
chr-1e.trna40-Gly-CCC   CCCGGAUGCGCA 71
chr-3e.trna2-Gly-CCC    CCCGGAUGCGCA 71
chr-3c.trna2-Gly-CCC    CCCGGAUGCGCA 71
chr-8c.trna20-Gly-CCC   CCCGGAUGCGCA 71
chr-8e.trna22-Gly-CCC   CCCGGAUGCGCA 71
chr-5c.trna26-Gly-CCC   CC--GAUGCGCA 69
chr-1c.trna23-Gly-GCC   CCGGCUGGUGCA 71
chr-1c.trna24-Gly-GCC   CCGGCUGGUGCA 71
chr-1c.trna34-Gly-GCC   CCGGCUGGUGCA 71
chr-1e.trna32-Gly-GCC   CCGGCUGGUGCA 71
chr-8c.trna26-Gly-GCC   CCGGCUGGUGCA 71
chr-1e.trna42-Gly-GCC   CCGGCUGGUGCA 71
chr-2c.trna45-Gly-GCC   CCGGCUGGUGCA 71
chr-8e.trna30-Gly-GCC   CCGGCUGGUGCA 71
chr-2c.trna47-Gly-GCC   CCGGCUGGUGCA 71
chr-2c.trna67-Gly-GCC   CCGGCUGGUGCA 71
chr-7e.trna29-Gly-GCC   CCGGCUGGUGCA 71
chr-6e.trna52-Gly-GCC   CCGGCUGGUGCA 71
chr-6e.trna50-Gly-GCC   CCGGCUGGUGCA 71
chr-2c.trna68-Gly-GCC   CCGGCUGGUGCA 71
chr-6c.trna55-Gly-GCC   CCGGCUGGUGCA 71
chr-6c.trna53-Gly-GCC   CCGGCUGGUGCA 71
chr-2e.trna49-Gly-GCC   CCGGCUGGUGCA 71
chr-5c.trna35-Gly-GCC   CCGGCUGGUGCA 71
chr-5c.trna34-Gly-GCC   CCGGCUGGUGCA 71
chr-5c.trna32-Gly-GCC   CCGGCUGGUGCA 71
chr-5c.trna31-Gly-GCC   CCGGCUGGUGCA 71
chr-2e.trna74-Gly-GCC   CCGGCUGGUGCA 71
chr-2e.trna75-Gly-GCC   CCGGCUGGUGCA 71
chr-3c.trna5-Gly-GCC    CCGGCUGGUGCA 71
chr-4e.trna35-Gly-GCC   CCGGCUGGUGCA 71
chr-4c.trna30-Gly-GCC   CCGGCUGGUGCA 71
chr-2e.trna76-Gly-GCC   CCGGCUGCUGCA 71
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