```
                                (((((((..((((.........))))...((....))((((....))))))(((((.....
chr-9.trna266-Cys-GCA    GGGUCCAUAGUGCAGUGG--UAGAGCAUUUGACUGCAGAUCAAGAGGUCACCAGUUUGAA 58
chr-3.trna63-Cys-GCA     GGGUCCAUAGCUCAGUGG--UAGAGCAAUUGACUGCAGAUCAAUAGGUCACCGGUUCGAA 58
chr-3.trna95-Cys-GCA     GGGUCCAUAGCUCAGUGG--UAGAGCAAUUGACUGCAGAUCAAUAGGUCACCGGUUCGAA 58
chr-4.trna125-Cys-GCA    GGGUCCAUAGCUCAGUGG--UAGAGCAAUUGACUGCAGAUCAAUAGGUCACCGGUUCGAA 58
chr-9.trna281-Cys-GCA    GGGUUCAUAGCUCAGUGG--UAGAGCAAUUGACUGCAGAUCAAUAGGUCACCAGUUCGAA 58
chr-11.trna1-Cys-GCA     GGGUCCAUAGCUCAGUGG--UAGAGCAAUUGACUGCAGAUCAAUAGGUCAUCGGUUCGAA 58
chr-3.trna39-Cys-GCA     GGGUCCAUAGCUCAGUGG--UAGAGCAUUUGACUGCAGAUCAAGAGGUCACCGGUUCGAA 58
chr-7.trna84-Cys-GCA     GGGUCCAUAGCUCAGUGG--UAGAGCAUUUGACUGCAGAUCAAGAGGUCACCGGUUCGAA 58
chr-12.trna178-Cys-GCA   GGGUCCAUAGCUCAGUGG--UAGAGCAUUUGACUGCAGAUCAAGAGGUCACCGGUUCGAA 58
chr-7.trna87-Cys-GCA     GGGUCCAUAGCUCAGUGG--UAGAGCAUUUGACUGCAGAUCAAGAGGUCACCGGUUCGAA 58
chr-13.trna9-Cys-GCA     GGGUCCAUAGCUCAGUGG--UAGAGCAUUUGACUGCAGAUCAAGAGGUCACCGGUUCGAA 58
chr-1.trna150-Cys-GCA    GGGUCCUUAGCUCAGUGG--UAGAGCAUUUGACUGCAGAUCAAGAGGUCACCGGUUCGAA 58
chr-7.trna134-Cys-GCA    GGGUCCUUAGCUCAGUGG--UAGAGCAUUUGACUGCAGAUCAAGAGGUCACCGGUUCGAA 58
chr-2.trna54-Cys-GCA     GGGUUCAUAGCUCAGUGG--UAGAGCAUUUGACUGCAGAUCAAGAGGUCACCGGUUCGAA 58
chr-4.trna106-Cys-GCA    GGGUCUUUAGCUCAGUGG--UAGAGCAUUUGACGGCAGACCAAGAGGUUACCGGUUCGAA 58
chr-1.trna170-Cys-GCA    GGGUUCAUAGCUCAGUGG--UAGAGCAUUCGAUUGCAGAUCGAGAGGUCAUUGGUUCAAA 58
chr-9.trna108-Cys-GCA    GGGCCUAUAGCUCAGUGG--UAGAGCAUUUGAUUGCAGAUCGAGAGGUCACCAGUUCAAA 58
chr-12.trna175-Cys-GCA   GGGUCCAUAACUCAGUGG--UAGAGCAUUUGAUUGCAAAUCGAGAGGUCAUCGGUUUAAA 58
chr-9.trna92-Cys-GCA     GGGUCUAUAGCUCAGUGG--UAGAGCAUUCGACUGCAGAUCGAGAGGUCACCAGUUCAAA 58
chr-9.trna101-Cys-GCA    GGGUCUAUAGCUCAGUGG--UAGAGCAUUCGAUUGCAGAUCGAGAGGUCACCAGUUCAAA 58
chr-9.trna93-Cys-GCA     GGGUCUAUAGCUCAGUGG--UAGAGCAUUCGACUGCAGAUCGAGAGGUCACCAGUUCAAA 58
chr-9.trna96-Cys-GCA     GGGUCUAUAGCUCAGUGG--UAGAGCAUUCGACUGCAGAUCGAGAGGUCACCAGUUCAAA 58
chr-9.trna99-Cys-GCA     GGGUCUAUAGCUCAGUGG--UAGAGCAUUCGACUGCAGAUCGAGAGGUCACCAGUUCAAA 58
chr-9.trna104-Cys-GCA    GGGUCUAUAGCUCAGUGG--UAGAGCAUUUGACUGCAGAUCGAGUGGUCACCAGUUCAAA 58
chr-7.trna200-Cys-GCA    GGGUCUAUAGCUCAGUGG--UAGAGCAUUUAACUGCAGAUUAAGAGGUCAUCGGUUUGAA 58
chr-1.trna151-Cys-GCA    GGGUCCUUAGCUC-GUGG--UAGAGCAUUUGACUGCAGAUCAAGAGGUCACCGGUUCAAA 57
chr-7.trna88-Cys-GCA     GGGUCCAUAGCUCAGUGG--UAGAGUAUUUGAUUGCAGAUCAAGAUGUCACAGGUUCGAA 58
chr-1.trna271-Cys-GCA    GGAUCCAUAGCUCAGUGG--UAGAGCAUUUGACUGCAGAUCAAGAGGUCACCGGUUCGAA 58
chr-9.trna95-Cys-GCA     UGGUCUAUAGCUCAGUGG--UAGAGCAUUCGACUGCAGAUCGAGAGGUCACUAGUUCAAA 58
chr-4.trna17-Cys-GCA     GGGUUCUUAGCUCAGUGG--UAGAGCAUUUGACUGCAGAUCCAGAGGUCACCGGUUCAAA 58
chr-14.trna95-Cys-GCA    GGGUCCUUAGCUCAGUGG--UAGAACAUUUGACUGCAGAUUAAGAGGUCACCAGUUUGAA 58
chr-1.trna27-Cys-GCA     GGGUCCAUAGCUCAGUGG--UAAAGCAUUUGACUGCAGAUCAAGAAGUCACUAGUUCAAA 58
chr-5.trna187-Cys-GCA    GGGUCCAUAGCUCAGUGG--UAGAGCAUUUGACUGCAGAUUAAGCAGUCAUCGGUUCGAA 58
chr-9.trna106-Cys-GCA    GGGUCUAUAGCUUAGUUG--UAGAGAAUUUGACUGCAGAUCAAGAUGUCACUAGUUUAAA 58
chr-9.trna94-Cys-GCA     UGGUUUAUAGCUCAGUGG--UAGAGGAUUCGACUGCAGAUCGAGAAGUCACCAGUUUAAA 58
chr-7.trna85-Cys-GCA     GGGUCCAUAUCUUAGUGG--UAGAGCAUUUGAUUGCAGAUCAAGAGAACACCAGUUCACA 58
chr-8.trna31-Cys-ACA     GACUUUGUGGCCCAAUGGA-UAAGGCGUUGGUCUACAGAACAAGAGAUUCUGGGUUCGAU 59
chr-13.trna62-Cys-GCA    GGCUAGGUAACAUAAUGG--AAAUGUAUCGGACUGCAAAUCC-UGGAAUGACGGUUCGAC 57
chr-14.trna54-Cys-GCA    UGCUAGGUAACAUACUGG--AAAUGUAUCGGACUGCAAAUCC-UAGAAUGACGGUUCGAC 57
chr-12.trna252-Cys-ACA   GGGCCUGUAGCUUAGGGGAUUAGAGCACGUGGCUACAAACCACAGUGUCGGGGUUCGAA 60
chr-6.trna106-Cys-GCA    GGCGACAUGGCCGAGUGG--UAAGGCGGAGCACCGCAAAUCC-UUUUUUCCCAGUUCAAA 57
                         .........10........20........30........40........50.........
                                  .))))))))))))).
chr-9.trna266-Cys-GCA    CCUGGUUGGGCCCU 72
chr-3.trna63-Cys-GCA     CCCGGUUGGGCCCU 72
chr-3.trna95-Cys-GCA     CCCGGUUGGGCCCU 72
chr-4.trna125-Cys-GCA    CCCGGUUGGGCCCU 72
chr-9.trna281-Cys-GCA    CCUGGUUGAGCCCU 72
chr-11.trna1-Cys-GCA     CCCGGUUGGGCCCU 72
chr-3.trna39-Cys-GCA     CCCGGUUGGGCCCU 72
chr-7.trna84-Cys-GCA     CCCGGUUGGGCCCU 72
chr-12.trna178-Cys-GCA   CCCGGUUGGGCCCU 72
chr-7.trna87-Cys-GCA     CCCGGUUGGGCCCU 72
chr-13.trna9-Cys-GCA     CCCGGUUGGGCCCU 72
chr-1.trna150-Cys-GCA    CCCGGUAGGGCCCU 72
chr-7.trna134-Cys-GCA    CCCGGUAGGGCCCU 72
chr-2.trna54-Cys-GCA     CCCGGUUGGGCCCU 72
chr-4.trna106-Cys-GCA    CCCGGUAGGGCCCU 72
chr-1.trna170-Cys-GCA    UCCGAUUGGGCCCU 72
chr-9.trna108-Cys-GCA    UCUGGUUGGGCCCU 72
chr-12.trna175-Cys-GCA   UCCGGUUGGGCCCU 72
chr-9.trna92-Cys-GCA     CCUGGUUGGGCCCU 72
chr-9.trna101-Cys-GCA    CCUGGUUGGGCCCU 72
chr-9.trna93-Cys-GCA     CCUGGUUGGGCCCU 72
chr-9.trna96-Cys-GCA     CCUGGUUGGGCCCU 72
chr-9.trna99-Cys-GCA     CCUGGUUGGGCCCU 72
chr-9.trna104-Cys-GCA    CCUGAUUAGGCCCU 72
chr-7.trna200-Cys-GCA    CCCGGUUAGGCCUU 72
chr-1.trna151-Cys-GCA    UCCGGUAGGGCCCU 71
chr-7.trna88-Cys-GCA     UCCGAUUGGGCCCU 72
chr-1.trna271-Cys-GCA    CCCGGUUGGGCCCU 72
chr-9.trna95-Cys-GCA     CCUAGUUGGGCCCU 72
chr-4.trna17-Cys-GCA     UUCGGUAGGGCUCU 72
chr-14.trna95-Cys-GCA    UUUGGUAGAGCCCU 72
chr-1.trna27-Cys-GCA     CCUGGUUGGGUCCU 72
chr-5.trna187-Cys-GCA    CCUGGUUGGGUCCU 72
chr-9.trna106-Cys-GCA    UUUGGUUGGGCUCU 72
chr-9.trna94-Cys-GCA     CCUGGUUGGGCCCU 72
chr-7.trna85-Cys-GCA     CCUGGUUGGGCUCG 72
chr-8.trna31-Cys-ACA     CCCCAGCAAAGUCG 73
chr-13.trna62-Cys-GCA    CCCGUCCUUGGCCU 71
chr-14.trna54-Cys-GCA    CCCGUCCUUGGCCU 71
chr-12.trna252-Cys-ACA   UCCCUCCUCGCCCA 74
chr-6.trna106-Cys-GCA    UUCGGGUGUCGCCU 71
                         .........70...
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