```
                                (((((((.(((((((((.......)))))))))(((....))).....(((((.......
chr-9.trna303-Gln-CTG     GAUCCAUU-GCUCAGUUGGUAAAGCACAAAGCUCUGAACCUUGUGGACGUGGGGUUCAAGC 59
chr-6.trna544-Gln-CTG     ----CAAU-ACUCAGUUGGUAGAGUACAAAGCUCUGAACCUUGUGGACGUGGGGUUCAAGC 55
chr-14.trna273-Gln-CTG    GGUCUUAUGGUCUAGUGGUUAGGACAUUGGACUCUGAAUCCAGU-AACCCGAGUAAAAGU 59
chr-8.trna10-Gln-CTG      GGUCCUAUGGUCUAGUGGUUAGGACAUUGGACUCUGAAUCCAGU-AACCCGAGUUCAAGU 59
chr-12.trna261-Gln-CTG    GGUCCUAUGGUCUAGUGGUUAGGACAUUGGACUCUGAAUCCAGU-AACCCGAGUUCAAGU 59
chr-13.trna325-Gln-CTG    GGUCCUAUGGUCUAGUGGUUAGGACAUUGGACUCUGAAUCCAGU-AACCCGAGUUCAAGU 59
chr-14.trna272-Gln-CTG    GGUCCUAUGGUCUAGUGGUUAGGACAUUGGACUCUGAAUCCAGU-AACCCGAGUUCAAGU 59
chr-14.trna270-Gln-CTG    GGUCCUAUGGUCUAGUGGUUAGGACAUUGGACUCUGAAUCCAGU-AACCCGAGUUCAAGU 59
chr-13.trna328-Gln-CTG    GGUCCUAUGGUCUAGUGGUUAGGACAUUGGACUCUGAAUCCAGU-AACCCGAGUUCAAGU 59
chr-1.trna234-Gln-CTG     GGUCCCAUGGUCUAGUGGUUAGGACAUUGGACUCUGAAUCCAGU-AACCCGAGUUCAAGU 59
chr-13.trna327-Gln-CTG    GGUUCUAUGGUCUAGUGGUUAGGACAUUGGACUCUGAAUCCAGU-AACCCGAGUUCAAGU 59
chr-14.trna232-Gln-CTG    GGUCCCAUGGUCUAGUGGUUAGGACAUUGGACUCUGAAUCCAGU-AACCCGAGUUCAAGU 59
chr-13.trna222-Gln-CTG    GGUCCCAUGGUCUAGUGGUUAGGACAUUGGACUCUGAAUCCAGU-AACCCGAGUUCAAGU 59
chr-1.trna373-Gln-CTG     GGUCCCAUGGUCUAGUGGUUAGGACAUUGGACUCUGAAUCCAGU-AACCCGAGUUCAAGU 59
chr-1.trna374-Gln-CTG     GGUCCCAUGGUCUAGUGGUUAGGACAUUGGACUCUGAAUCCAGU-AACCCGAGUUCAAGU 59
chr-1.trna375-Gln-CTG     GGUCCCAUGGUCUAGUGGUUAGGACAUUGGACUCUGAAUCCAGU-AACCCGAGUUCAAGU 59
chr-2.trna229-Gln-CTG     GGUCCCAUGGUCUAGUGGUUAGGACAUUGGACUCUGAAUCCAGU-AACCCGAGUUCAAGU 59
chr-9.trna400-Gln-CTG     GGUCCCAUGGUCUAGUGGUUAGGACAUUGGACUCUGAAUCCAGU-AACCCGAGUUCAAGU 59
chr-2.trna238-Gln-CTG     GGUCCCAUGGUCUAGUGGUUAGGACAUUGGACUCUGAAUCCAGU-AACCCGAGUUCAAGU 59
chr-2.trna461-Gln-CTG     GGUCCCAUGGUCUAGUGGUUAGGACAUUGGACUCUGAAUCCAGU-AACCCGAGUUCAAGU 59
chr-2.trna462-Gln-CTG     GGUCCCAUGGUCUAGUGGUUAGGACAUUGGACUCUGAAUCCAGU-AACCCGAGUUCAAGU 59
chr-2.trna463-Gln-CTG     GGUCCCAUGGUCUAGUGGUUAGGACAUUGGACUCUGAAUCCAGU-AACCCGAGUUCAAGU 59
chr-3.trna576-Gln-CTG     GGUCCCAUGGUCUAGUGGUUAGGACAUUGGACUCUGAAUCCAGU-AACCCGAGUUCAAGU 59
chr-4.trna606-Gln-CTG     GGUCCCAUGGUCUAGUGGUUAGGACAUUGGACUCUGAAUCCAGU-AACCCGAGUUCAAGU 59
chr-6.trna354-Gln-CTG     GGUCCCAUGGUCUAGUGGUUAGGACAUUGGACUCUGAAUCCAGU-AACCCGAGUUCAAGU 59
chr-5.trna438-Gln-CTG     GGUCCCAUGGUCUAGUGGUUAGGACAUUGGACUCUGAAUCCAGU-AACCCGAGUUCAAGU 59
chr-5.trna345-Gln-CTG     GGUCCCAUGGUCUAGUGGUUAGGACAUUGGACUCUGAAUCCAGU-AACCCGAGUUCAAGU 59
chr-6.trna631-Gln-CTG     GGUUCCAUGGUCUAGUGGUUAGGACAUUGGACUCUGAAUCCAGU-AACCCGAGUUCAAGU 59
chr-11.trna243-Gln-CTG    GGUCCUAUGGUCUAGUGGUUAGGACAUUGGACUCUGAAUCCAGU-AACCCGAGUUCAAGU 59
chr-9.trna641-Gln-CTG     GGUCCCAUGGUCUAGUGGUUAGGACAUUGGACUCUGAAUCUAGU-AACCCGAGUUCAAGU 59
chr-7.trna223-Gln-CTG     GGUCCUAUGGUCUAGUGGUCAGGACAUUGGACUCUGAAUCCAGU-AACCCGAGUUCAAGU 59
chr-1.trna208-Gln-CTG     GGUUCCAUGGUCUAGUGGUUAGGACAUUGGACUCUGAAUCCAGU-AACCCGAGUUCAAGC 59
chr-6.trna630-Gln-CTG     GGUUCUAUGGUCUAGCGGUUAGGACAUUGGACUCUGAAUCCAGU-AACCCGAGUUCAAGU 59
chr-5.trna87-Gln-CTG      GGUUCUAUGGUCUAGCGGUUAGGACAUUGGACUCUGAAUCCAGU-AACCCGAGUUCAAGU 59
chr-10.trna327-Gln-CTG    GGUCCCAUGGUCUAGCGGUUAGGACAUUGGACUCUGAAUCCAGU-AACCCGAGUUCAAGU 59
                          .........10........20........30........40........50.........

                          )))))..)))))).).
chr-9.trna303-Gln-CTG     CCUACGAUGGAAGCA 74
chr-6.trna544-Gln-CTG     CCCAUGGUGGAG--A 68
chr-14.trna273-Gln-CTG    CUCGG-UAGGAC-CU 72
chr-8.trna10-Gln-CTG      CUCGG-UAGGAC-CU 72
chr-12.trna261-Gln-CTG    CUCGG-UAGGAC-CU 72
chr-13.trna325-Gln-CTG    CUCGG-UAGGAC-CU 72
chr-14.trna272-Gln-CTG    CUCGG-UAGGAC-CU 72
chr-14.trna270-Gln-CTG    CUCGG-UAGGAC-CU 72
chr-13.trna328-Gln-CTG    CUCGG-UAGGAC-CU 72
chr-1.trna234-Gln-CTG     CUCGG-UGGGAC-CU 72
chr-13.trna327-Gln-CTG    CUCGG-UAGGAC-CU 72
chr-14.trna232-Gln-CTG    CUCGG-UGGGAC-CU 72
chr-13.trna222-Gln-CTG    CUCGG-UGGGAC-CU 72
chr-1.trna373-Gln-CTG     CUCGG-UGGGAC-CU 72
chr-1.trna374-Gln-CTG     CUCGG-UGGGAC-CU 72
chr-1.trna375-Gln-CTG     CUCGG-UGGGAC-CU 72
chr-2.trna229-Gln-CTG     CUCGG-UGGGAC-CU 72
chr-9.trna400-Gln-CTG     CUCGG-UGGGAC-CU 72
chr-2.trna238-Gln-CTG     CUCGG-UGGGAC-CU 72
chr-2.trna461-Gln-CTG     CUCGG-UGGGAC-CU 72
chr-2.trna462-Gln-CTG     CUCGG-UGGGAC-CU 72
chr-2.trna463-Gln-CTG     CUCGG-UGGGAC-CU 72
chr-3.trna576-Gln-CTG     CUCGG-UGGGAC-CU 72
chr-4.trna606-Gln-CTG     CUCGG-UGGGAC-CU 72
chr-6.trna354-Gln-CTG     CUCGG-UGGGAC-CU 72
chr-5.trna438-Gln-CTG     CUCGG-UGGGAC-CU 72
chr-5.trna345-Gln-CTG     CUCGG-UGGGAC-CU 72
chr-6.trna631-Gln-CTG     CUCGG-UGGAAC-CU 72
chr-11.trna243-Gln-CTG    CUCGA-UAGGAC-CU 72
chr-9.trna641-Gln-CTG     CUCGG-UGGGAC-CU 72
chr-7.trna223-Gln-CTG     CUCGG-UAGGAC-CU 72
chr-1.trna208-Gln-CTG     CUCGG-UGGGAC-CU 72
chr-6.trna630-Gln-CTG     CUCGG-UAGAAC-CU 72
chr-5.trna87-Gln-CTG      CUCGG-UAGAAC-CU 72
chr-10.trna327-Gln-CTG    CUCGG-UGGGAC-CU 72
                          .........70....
```