```
                                 (((((((((.((..((..((.(.((((..(((((((.........)))))).))))..)))))..)))))))))
chr-15.trna42-Thr-TGT            GCUUCUAUAGCAUAG-UGG-UAGUGCAUUUGCUUUGUAAGCGAAAGGUCGCGAGUUCAAU 58
chr-15.trna101-Thr-TGT           GCCUCUAUAGCAUAG-UGG-UAGUGCGUUCGCUUUGUAAGUGAAAGGUCGUGAGUUCGAU 58
chr-14.trna173-Thr-TGT           GCCGACUUAGCUCAG-GGGUUAGAGCAUCGCAUUUGUAAUGCGAUGGUCAUCGGUUCGAU 59
chr-5.trna131-Thr-TGT            GCCCCUAUAGCUCAA-UGG-UAGAGCGUCAGUCUUGUAAACUGAAGGCCUAUGGUUCAAU 58
chr-14.trna135-Thr-TGT           GCCCCUAUAGCUCAG-UGG-UAGAGCGUCAGUCUUGUAAACUGAAGGUAUGUAGUUCGAU 58
chr-2.trna219-Thr-TGT            GCCCCUAUAGCUCAG-UGG-UAGAGCGUCAGUCUUGUAAACUGAAGGUCUGUAGUUCGAU 58
chr-2.trna223-Thr-TGT            GCCCCUAUAGCUCAG-UGG-UAGAGCGUCAGUCUUGUAAACUGAAGGUCUGUAGUUCGAU 58
chr-3.trna114-Thr-TGT            GCCCCUAUAGCUCAG-UGG-UAGAGCGUCAGUCUUGUAAACUGAAGGUCUGUAGUUCGAU 58
chr-3.trna116-Thr-TGT            GCCCCUAUAGCUCAG-UGG-UAGAGCGUCAGUCUUGUAAACUGAAGGUCUGUAGUUCGAU 58
chr-6.trna142-Thr-TGT            GCCCCUAUAGCUCAG-UGG-UAGAGCGUCAGUCUUGUAAACUGAAGGUCUGUAGUUCGAU 58
chr-9.trna17-Thr-TGT             GCCCCUAUAGCUCAG-UGG-UAGAGCGUCAGUCUUGUAAACUGAAGGUCUGUAGUUCGAU 58
chr-9.trna53-Thr-TGT             GCCCCUAUAGCUCAG-UGG-UAGAGCGUCAGUCUUGUAAACUGAAGGUCUGUAGUUCGAU 58
chr-9.trna54-Thr-TGT             GCCCCUAUAGCUCAG-UGG-UAGAGCGUCAGUCUUGUAAACUGAAGGUCUGUAGUUCGAU 58
chr-9.trna55-Thr-TGT             GCCCCUAUAGCUCAG-UGG-UAGAGCGUCAGUCUUGUAAACUGAAGGUCUGUAGUUCGAU 58
chr-10.trna153-Thr-TGT           GCCCCUAUAGCUCAG-UGG-UAGAGCGUCAGUCUUGUAAACUGAAGGUCUGUAGUUCGAU 58
chr-10.trna154-Thr-TGT           GCCCCUAUAGCUCAG-UGG-UAGAGCGUCAGUCUUGUAAACUGAAGGUCUGUAGUUCGAU 58
chr-6.trna140-Thr-TGT            GCCCCUAUAGCUCAG-UGG-UAGAGUGUCAGUCUUGUAAACUGAAGGUCUGUAGUUCGAU 58
chr-6.trna143-Thr-TGT            GCCCCUAUAGCUCAG-UGG-UAGAGCGUCAGUCUUGUAAACUGAAGGCCUGUAGUUCGAU 58
chr-7.trna150-Thr-TGT            GCCCCUAUAGCUCAG-UGG-UAGAGCGUCAGUCUUGUAAAUUGAAGGUCUGUAGUUCGAU 58
chr-3.trna145-Thr-TGT            GCCCCUAUAGCUCAG-UGA-UAGAGCGUCAGUCUUGUAAACUAAAGGUCUGUAGUUCGAU 58
chr-13.trna26-Thr-TGT            GCCCCUAUAGCUCAG-UGG-UAGAGCGUCAGUCUUGUAAACUGAAGGCCUGUAGUUCAAU 58
chr-3.trna69-Thr-TGT             GCCCCUAUAGCUCAG-UGG-UAGAGCGUCAGUCUUGUAAACUGAAGGUCUGUAGUUCAAU 58
chr-3.trna71-Thr-TGT             GCCCCUAUAGCUCAG-UGG-UAGAGCGUCAGUCUUGUAAACUGAAGGUCUGUAGUUCAAU 58
chr-3.trna72-Thr-TGT             GCCCCUAUAGCUCAG-UGG-UAGAGCGUCAGUCUUGUAAACUGAAGGUCUGUAGUUCAAU 58
chr-12.trna197-Thr-TGT           GCCCCUAUAGCUCAG-UGG-UAGAGCGUCAGUCUUGUAAACUGAAGGUCUGUAGUUCAAU 58
chr-4.trna71-Thr-TGT             GCCCCUAUAGCUCAG-UGG-UAGAGCGUCAGUCUUGUAAACUGAAGGUCUGUAGUUCAAU 58
chr-5.trna132-Thr-TGT            GCCUCUAUAGCUCAG-UGG-UAGAGCGUCAGUCUUGUAAACUGAAGGUCUGUAGUUCAAU 58
chr-8.trna70-Thr-TGT             GCCCCUAUAGCUCAG-UGG-UAGAGCGUCAGUCUUGUAAACUGAAGGUCUGUAGUUCAAU 58
chr-14.trna78-Thr-TGT            GCCCCUAUAGCUCAG-UGG-UAGAGCGUCAGUCUUGUAAACUGAAGGUCUGUAGUUCAAU 58
chr-14.trna77-Thr-TGT            GCCCCUAUAGCUCAG-UGG-UAGAGCGUCAGUCUUGUAAACUGAAGGUCUGUAGUUCAAU 58
chr-3.trna48-Thr-TGT             GCCCCUAUAGCUCAG-UGG-UAGAGCGUCAGUCUUGUAAACUGAAGGUCUGUAGUUCAAU 58
chr-3.trna70-Thr-TGT             GCCCCUAUAGCUUAG-UGG-UAGAGCGUCAGUCUUGUAAACUGAAGGUCUGUAGUUCAAU 58
chr-3.trna149-Thr-TGT            GCCCCUAUAGCUCAG-UGG-UAGAGCGUCAGUCUUGUAAACUGAAGGUCUGUAGUUCAAU 58
chr-7.trna149-Thr-TGT            GCUCCUAUAGCUCAG-UGG-UAGAGCGUCAGUCUUGUAAACUGAAGGUCUGUAGUUUGAU 58
chr-5.trna133-Thr-TGT            GCCCCUAUAGCUCAG-UGG-UAGAGCGUCAGUCUUGUAAACUGAAGGUCUGUAGUUCAAU 58
chr-6.trna141-Thr-TGT            GCCCCUAUAACUCAG-UGG-UAGAGCGUCAGUCUUGUAAACUGAAGGCCUGUAGUUUGAU 58
chr-12.trna196-Thr-TGT           GCCCCUAUAGCUCAG-CGG-UAGAGCGUCAGUCUUGUAAACUGAAGGUCUGUAGUUCAAU 58
chr-7.trna148-Thr-TGT            GCCUCUAUAGCUCAG-UGG-UAGAGCGUCAGUCUUGUAAACUGAAGGUGUGUUGUUCGAU 58
chr-6.trna191-Thr-TGT            GCCCCUAUAGCUCAG-UGG-UAGAGCGUCAGUCUUGUAAACUGAAGGUCUGUAGUUCGAA 58
chr-13.trna161-Thr-TGT           GCCCCUAUAGCUCAG-UGG-UAGAGCGUCAGUCUUGUAAACUGAAGGUCUGUAGUUCGAG 58
chr-13.trna30-Thr-TGT            GCCCUUAUAGCUCAG-UGG-UAGAGCGUCAGUCUUGUAAACUGAAGGUCUGUAGUUCGAG 58
chr-2.trna42-Thr-TGT             GCCCCUAUAGCUCAG-UGG-UAGAGCGUCAGUCUUGUAAACUGAAGGUUUGUAGUUCGAU 58
chr-7.trna130-Thr-TGT            GCCCUUAUAGCUCAG-UGG-UAGAGCGUCAGUCUUGUAAACUGAAGGCUUGUAGUUCAAU 58
chr-8.trna160-Thr-TGT            GCCCCUAUAGCUCAG-UGG-UAGAGCGUCAGUCUUGUAAACUGAAGGCCUGUAGUUCAAA 58
chr-9.trna164-Thr-TGT            GCCCCUAUAGCUCAG-UGG-UAGAGCGUCAGUCUUGUGAACUGAAGGUCUGUAGUUCGAU 58
chr-14.trna105-Thr-TGT           GCCCCUAUAGCUCAG-UGG-UAGAGCGUCAGUCUUGUAAACUGAAGGUCCGUAGUUCGAU 58
chr-14.trna106-Thr-TGT           GCCCCUAUAGCUCAG-UGG-UAGAGCGUCAGUUUUGUAAACUGAAGGUCCGUAGUUCGAU 58
chr-12.trna54-Thr-TGT            GCUCUUGUAGCUCAGUUGGUUAGAGCACCUGUUUUGUAAGCGGAGGUCUUUUGUUCAAA 60
chr-2.trna172-Thr-TGT            GGUUUUGUGGUGUAGUUGGUUAUCACAUCAGUGUGUUAA-----GGUCUUUGGUUCAAG 54
                                 .........10........20........30........40........50.........

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chr-15.trna42-Thr-TGT            CCUCGC-UAGGAGCU 72
chr-15.trna101-Thr-TGT           CCUCAC-UAGGGGCU 72
chr-14.trna173-Thr-TGT           UCCGAU-AGCUGGUU 73
chr-5.trna131-Thr-TGT            CCUGCA-UGGGGGCA 72
chr-14.trna135-Thr-TGT           CCUGCA-UGGGGGCA 72
chr-2.trna219-Thr-TGT            CCUGCA-UGGGGGCA 72
chr-2.trna223-Thr-TGT            CCUGCA-UGGGGGCA 72
chr-3.trna114-Thr-TGT            CCUGCA-UGGGGGCA 72
chr-3.trna116-Thr-TGT            CCUGCA-UGGGGGCA 72
chr-6.trna142-Thr-TGT            CCUGCA-UGGGGGCA 72
chr-9.trna17-Thr-TGT             CCUGCA-UGGGGGCA 72
chr-9.trna53-Thr-TGT             CCUGCA-UGGGGGCA 72
chr-9.trna54-Thr-TGT             CCUGCA-UGGGGGCA 72
chr-9.trna55-Thr-TGT             CCUGCA-UGGGGGCA 72
chr-10.trna153-Thr-TGT           CCUGCA-UGGGGGCA 72
chr-10.trna154-Thr-TGT           CCUGCA-UGGGGGCA 72
chr-6.trna140-Thr-TGT            CCUGCA-UGGGGGCA 72
chr-6.trna143-Thr-TGT            CCUGCA-UGGGGGCA 72
chr-7.trna150-Thr-TGT            CCUGCA-UGGGGGCA 72
chr-3.trna145-Thr-TGT            CCUGCA-UGGGGGCA 72
chr-13.trna26-Thr-TGT            CCUGCA-UGGGGGCA 72
chr-3.trna69-Thr-TGT             CCUGCA-UGGGGGCA 72
chr-3.trna71-Thr-TGT             CCUGCA-UGGGGGCA 72
chr-3.trna72-Thr-TGT             CCUGCA-UGGGGGCA 72
chr-12.trna197-Thr-TGT           CCUGCA-UGGGGGCA 72
chr-4.trna71-Thr-TGT             CCUGCA-UGGGGGCA 72
chr-5.trna132-Thr-TGT            CCUGCA-UGGGGGCA 72
chr-8.trna70-Thr-TGT             CCUGCA-UGGGGGCA 72
chr-14.trna78-Thr-TGT            CCUGCA-UGGGGGCA 72
chr-14.trna77-Thr-TGT            CCUGCA-UGGGGGCA 72
chr-3.trna48-Thr-TGT             CUUGCA-UGGGGGCA 72
chr-3.trna70-Thr-TGT             CCUGCA-UGGGGGCA 72
chr-3.trna149-Thr-TGT            CCUGCA-UGGGGGCA 72
chr-7.trna149-Thr-TGT            CCUGCA-UGGGGGCA 72
chr-5.trna133-Thr-TGT            CCUGCA-UGAGGGCA 72
chr-6.trna141-Thr-TGT            CCUGCA-UGGGGGCA 72
chr-12.trna196-Thr-TGT           UCUGCA-UGGGGGCA 72
chr-7.trna148-Thr-TGT            CCUGCA-UGGGGGCA 72
chr-6.trna191-Thr-TGT            CCUGCA-UGGGGGUA 72
chr-13.trna161-Thr-TGT           CCUGCA-UGGGGGCA 72
chr-13.trna30-Thr-TGT            CCUGCA-UGGGGGCA 72
chr-2.trna42-Thr-TGT             CUUGCA-UGGGGGCA 72
chr-7.trna130-Thr-TGT            CCGGCA-UGGGGGCA 72
chr-8.trna160-Thr-TGT            UCUGCA-UGGGGGCA 72
chr-9.trna164-Thr-TGT            CCUACA-UAGGGGCA 72
chr-14.trna105-Thr-TGT           CCUGCG-UGGGGGCA 72
chr-14.trna106-Thr-TGT           CCUGCG-UGGGGGCA 72
chr-12.trna54-Thr-TGT            UCUCAA-CAAGAGCA 74
chr-2.trna172-Thr-TGT            UCUGAGUUGAAGCCA 69
                                 .........70....
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