```
                                 ((((...........(((..(((.((.....)).)))(((((((....).)))))))(((
chr-15.trna100-Leu-CAA    GUCA----------GGAUGGUCGAG-UGGUCUAAGGCGCCAGAUUCAAGUUCUAGUCUU 48
chr-13.trna20-Leu-CAA     GUCA----------GGAUGGUCGAG-UGGUCUAAGGCGCCAGACUCAAGUUCUGGUCUU 48
chr-12.trna97-Leu-CAA     GUCA----------GGAUGGUCGAG-UGGUCUAAGGCACUAGACUCAAGUUCUGGUCUU 48
chr-12.trna96-Leu-CAA     GUCA----------GGAUGGCCGAG-UGGUCUAAGGCGCCAGACUCAAGUUCUGGUCUU 48
chr-12.trna166-Leu-CAA    GUCA----------GGAUGACCGAG-UGGUCUAAGGCGCCAGACUCAAGUUCUGGUCUU 48
chr-3.trna17-Leu-CAA      GUCA----------GGAUGGCCGAG-UGGUCUAAGGCGCCAGACUCAAGUUCUGGUCCU 48
chr-14.trna153-Leu-CAA    GUCA----------GGAUGGCCGAG-UGGUCUAAGGCGCCAGACUCAAGUUCUGGUCCU 48
chr-15.trna65-Leu-CAA     GUCA----------GGAUGGCCGAG-UGGUCUAAGGCGCCAGACUCAAGUUCUGGUCCU 48
chr-5.trna62-Leu-CAA      GUCA----------GGAUGGCCGAG-UGGUCUAAGGCGCCAGACUCAAGUUCUGGUCCU 48
chr-7.trna100-Leu-CAA     GUCA----------GGAUGGCCGAG-UGGUCUAAGGCGCCAGACUCAAGUUCUGGUCCU 48
chr-7.trna101-Leu-CAA     GUCA----------GGAUGGCCGAG-UGGUCUAAGGCGCCAGACUCAAGUUCUGGUCCU 48
chr-3.trna16-Leu-CAA      GUCA----------GGAUGGCCGAG-UGGUCUAAGGCGCCAGACUCAAGUUCUGGUCCU 48
chr-2.trna131-Leu-CAA     GUCA----------GGAUGGCCGAG-UGGUCUAAGGCGCUAGACUCAAGUUCUGGUCUU 48
chr-13.trna163-Leu-CAA    GUCA----------GGAUGGCCGAG-UGGUCUAAGGCGUCAGACUCAAGUUCUGGUCUU 48
chr-5.trna113-Leu-CAA     GUCA----------GGAUGGCCGAG-UGGUCUAAGGCGCCAGACUCAAGUUCUGGUCCU 48
chr-6.trna188-Leu-CAA     GUCA----------GGAUGGCCGAG-UGGUCUAAGGCGCCAGACUCAAGUUCUGGUCCU 48
chr-6.trna189-Leu-CAA     GUCA----------GGAUGGCCGAG-UGGUCUAAGGCGCCAGACUCAAGUUCUGGUCCU 48
chr-8.trna193-Leu-CAA     GUCA----------GGAUGGCCGAG-UGGUCUAAGGCGCCAGACUCAAGUUCUGGUCCU 48
chr-8.trna194-Leu-CAA     GUCA----------GGAUGGCCGAG-UGGUCUAAGGCGCCAGACUCAAGUUCUGGUCCU 48
chr-1.trna93-Leu-CAA      GUCA----------GGAUGGCCGAG-UGGUCUAAGGCGCCAGACUCAAGUUCUGGUCUU 48
chr-3.trna127-Leu-CAA     GUCA----------GGAUGGCCGAG-UGGUCUAAGGCGCCAGACUCAAGUUCUGGUCUU 48
chr-3.trna202-Leu-CAA     GUCA----------GGAUGGCCGAG-UGGUCUAAGGCGCCAGACUCAAGUUCUGGUCUU 48
chr-4.trna22-Leu-CAA      GUCA----------GGAUGGCCGAG-UGGUCUAAGGCGCCAGACUCAAGUUCUGGUCUU 48
chr-4.trna254-Leu-CAA     GUCA----------GGAUGGCCGAG-UGGUCUAAGGCGCCAGACUCAAGUUCUGGUCUU 48
chr-13.trna189-Leu-CAA    GUCA----------GGAUGGCCGAG-UGGUCUAAGGCGCCAGACUCAAGUUCUGGUCUU 48
chr-6.trna81-Leu-CAA      GUCA----------GGAUGGCCGAG-UGGUCUAAGGCGCCAGACUCAAGUUCUGGUCUU 48
chr-13.trna162-Leu-CAA    GUCA----------GGAUGGCCGAG-UGGUCUAAGGCGCCAGACUCAAGUUCUGGUCUU 48
chr-6.trna157-Leu-CAA     GUCA----------GGAUGGCCGAG-UGGUCUAAGGCGCCAGACUCAAGUUCUGGUCUU 48
chr-7.trna22-Leu-CAA      GUCA----------GGAUGGCCGAG-UGGUCUAAGGCGCCAGACUCAAGUUCUGGUCUU 48
chr-8.trna76-Leu-CAA      GUCA----------GGAUGGCCGAG-UGGUCUAAGGCGCCAGACUCAAGUUCUGGUCUU 48
chr-15.trna99-Leu-CAA     GUCA----------GGAUGGCCGAG-UGGUCUAAGGCGCCAGACUCAAGUUCUGGUCUU 48
chr-9.trna101-Leu-CAA     GUCA----------GGAUGGCCGAG-UGGUCUAAGGCGCCAGACUCAAGUUCUGGUCUU 48
chr-12.trna98-Leu-CAA     GUCA----------GGAUGGCCGAG-UGGUCUAAGGCGCCAGACUCAAGUUCUGGUCUU 48
chr-10.trna71-Leu-CAA     GUCA----------GGAUGGCCGAG-UGGUCUAAGGCGCCAGACUCAAGUUCUGGUCUU 48
chr-11.trna6-Leu-CAA      GUCA----------GGAUGGCCGAG-UGGUCUAAGGCGCCAGACUCAAGUUCUGGUCUU 48
chr-5.trna285-Leu-CAA     GUCA----------GGAUGGCCGAG-UGGUCUAAGGCGCCAGACUCAAGUUCUGGUCCU 48
chr-3.trna19-Leu-CAA      GUCA----------GGAUGGCCGAG-UGGUCUAAGGCGCCAGACUCAAGUUCUGGUCUU 48
chr-10.trna86-Leu-CAA     GUCA----------GGAUGGCCGAG-UGGUCUAAGGCGCCAGACUCAAGUUCUGGUCUU 48
chr-15.trna27-Leu-CAA     GUCA----------GGAUGGCCGAG-UGGUCUAAGGCGCCAGACUCAAGUUCUGGUCUU 48
chr-10.trna70-Leu-CAA     GUCA----------GGAUGGCCGAG-UGGUCUAAGGCGCCAGACUCAAGUUCUGGUCUU 48
chr-4.trna41-Leu-CAA      GUCA----------GGAUGGCCGAG-UGGUCUAAGGCGCCAGACUCAAGUUCUGGUUCU 48
chr-10.trna87-Leu-CAA     GUCA----------GGAUGGCCGAG-UGGUCUAAGGCGCCAGACUCAAGUUCUGGUCUU 48
chr-6.trna77-Leu-CAA      GUCA----------GGAUGGCCGAG-UGGUCUAAGGCGCCAGACUCAAGUUCUGGUCUU 48
chr-6.trna80-Leu-CAA      GUCA----------GGAUGGCCGAG-UGGUCUAAGGCGCCAGACUCAAGUUCUGGUCUU 48
chr-8.trna138-Leu-CAA     GUCA----------GGAUGGCCGAG-UGGUCUAAGGCGCCAGACUCAAGUUCUGGUCUU 48
chr-12.trna161-Leu-CAA    GUCA----------GGAUGGCCGAG-UGGUCUAAGGCGCCAGACUCAAGUUCUGGUCCU 48
chr-13.trna19-Leu-CAA     GUUA----------GGAUGGCCGAG-UGGUCUAAGGCGCCAGACUCAAGUUCUGGUCUU 48
chr-8.trna75-Leu-CAA      GUCA----------GGAUGGCCGAG-UGGUCUAAGGCGCCAGACUCAAGUUCUGGUCUU 48
chr-13.trna52-Leu-CAA     GUCA----------GGAUGGCCGAG-UGGUCUAAGGCGCCAGAUUCAAGUUCUGGUCUU 48
chr-6.trna78-Leu-CAA      GUCA----------GGAUGGCCGAG-UGGUCUAAGGCGCCAGACUCAAGUUCUGGUCUU 48
chr-9.trna46-Leu-CAA      GUCA----------GGAUGGCCGAG-UGGUCUAAGGCGCCAGACUCAAGUUCUGGUCUU 48
chr-1.trna92-Leu-CAA      GUCA----------GGAUGGCCGAG-UGGUCUAAGGUGCCAGACUCAAGUUCUGGUCUU 48
chr-7.trna110-Leu-CAA     GUCA----------GGAUGGCCGAG-UGGUCUAAGGUGCCGGACUCAAGUUCUGGUCUU 48
chr-5.trna115-Leu-CAA     GUCA----------GGAUGGCCGAG-UGGUCUAAGGCGCCAGACUCAAGUUUUGGUCUU 48
chr-3.trna47-Leu-CAA      GUCA----------GGAUGGCCGAG-UGGUCUAAGGCGCCAGACUCAACUUCUGGUCCU 48
chr-5.trna60-Leu-CAA      GUCA----------GGACGGCCGAG-UGGUCUAAGGCGCCAGACUCAAGUUCUGGUCCU 48
chr-6.trna125-Leu-CAA     GUCA----------GAAUGGCCGAG-UGGUCUAAGGCGCUAGACUCAAGUUCUGGUCCU 48
chr-5.trna55-Leu-CAA      GUCA----------GGAUGGCCGAG-UGGUCUAAGGCGCCAGACUCAAGUUCUGGUUCU 48
chr-3.trna112-Leu-CAA     GUCA----------GGAUGACCGAG-UGGUCUAAGGCGCCAGACUCAAGUUCUGGUCUU 48
chr-5.trna1-Leu-CAA       GUCA----------GGAUGGCCGAG-UGGUCUAAGGCGCCAGACUCAAGUUCUGAUCUU 48
chr-7.trna5-Leu-CAA       GUCA----------GGAUGGCCGAG-UGGUCUAAGGCGCCAGACUCAAGUUCUGAUCUU 48
chr-5.trna288-Leu-CAA     GUCA----------GGAUGGCCGAG-UGGUCUAAGGCGUCAGACUCAAGUUCUGAUCUU 48
chr-9.trna97-Leu-CAA      GUCA----------GGAUGGCCGAG-UGGUCUAAGGCGUUAGACUCAAGUUCUGAUCUU 48
chr-13.trna190-Leu-CAA    GUCA----------AGAUGGCCGAG-UGGUCUAAGGCGCCAGACUCAAGUUCUGGUCUU 48
chr-6.trna176-Leu-CAA     GUCA----------AGAUGGCCGAG-UGGUCUAAGGCGCCAGACUCAAGUUCUGGUCUU 48
chr-9.trna168-Leu-CAA     GUCA----------GGGUGGCCGAG-UGGUCUAAGGCGCCAGACUCAAGUUCUUGUCUU 48
chr-5.trna75-Leu-CAA      GUCA----------GGAUGGCCGAG-UGGUCUAAGGCGUCAGAAUCAAGUUCUGAUCCU 48
chr-4.trna65-Leu-CAA      GUCA----------GGAUGGCCGAG-UGGUCUAAGGCACCAGACUCAAGUUCUGGUUUU 48
chr-6.trna68-Leu-CAA      GUCA----------GGAUGGCCGAG-UGGUCUAAGGCGCUAGACUCAAGUUCUGGUCCU 48
chr-4.trna46-Leu-CAA      GUCA----------GGAUGGCCGAG-UGGUCUAAGGCGCUAGAUUCAAGUUUUGGUCCU 48
chr-5.trna61-Leu-CAA      GUCA----------GGAUGGCCGAG-UGGUCUAAGGCGCCAGAUUCAAGUUCUGGUCCU 48
chr-6.trna175-Leu-CAA     GUCA----------AGAUGGCCGAG-UAGUCUAAGGUGCCAGACUCAAGUUCUGGUCUU 48
chr-3.trna18-Leu-CAA      GCCA----------GGAUGGCCGAG-UGGUCUAAGGCGCUAGACUCAAGUUCUGGUCCU 48
chr-5.trna56-Leu-CAA      GUCA----------GGAUGGCCGAG-UGGUCUAAAGCGCCAGACUCAAGUUCUGGUUCU 48
chr-9.trna62-Leu-CAA      GUCA----------AGAUGACCAAG-UGGUCUAAGGUGCCAGAUUCAAGUUCUGAUCCU 48
chr-7.trna1-Leu-CAA       GUCA----------GGAUGGCUGAG-UGGUCUAAGGCGCCAGACUCAAGUUCUGGUCUU 48
chr-9.trna75-Leu-CAA      GUCA----------UGAUGGCUGAG-UGGUCUAAGGCGCCAGACUCAAGUUUUGGUCUU 48
chr-4.trna17-Leu-CAA      GUCA----------GGAUGGCUGAG-UGGUCUAAGGCCCCAGACUCAAGUUUUAGUUCU 48
chr-3.trna95-Leu-CAA      GUCA----------GGAUGGCCGAG-UAGUCUAAGGCGCCAGACUCAAGUUCUGAUCCU 48
chr-3.trna129-Leu-CAA     GUCA----------GGAUGGCC--G-UGGUCUAAGGCGCCAGACUCAAGUUCUGGUCUU 46
chr-5.trna207-Leu-CAA     GUCA----------GGAUGGCCGAG-UGGUCUAAGGCGCCAGACUCAAGUUCUGGUCCU 48
chr-3.trna65-Leu-CAA      GUCA----------GGAUGGCCGAG-UGGUCUAAGGCGCCAGACUCAAGUUCUGGUCCU 48
chr-7.trna120-Leu-CAA     GUCA----------GGAUGGCCGAG-UGGUCUAAGGCGCCAGACUCAAGUUCUUGUCCU 48
chr-7.trna111-Leu-CAA     GUCA----------GGAUGGCCGAG-UGGUCUAAGGCGCCAGACUCAAGUUCUAGUCCU 48
chr-13.trna60-Leu-CAA     GUUA----------AGAUGGACGAGUUGGUCUAAGGCGCCAGUUUCAAGUACUGGUCC- 48
chr-8.trna141-Leu-CAA     GUCU----------UGGUGGUGAAA-UGGUAG-ACACACGAGGCUCAAAAUCUCGUGCU 47
chr-9.trna112-Leu-CAA     AGCU----------UGGUGGUGAAA-UGGUAG-ACACGCGAGACUCAAAAUCUCGUGCU 47
chr-5.trna223-Leu-CAA     GUCA----------AUAUGUCCGAG-UGGU-UAAGGAUAUAAACUCAAAAUCUAUUGAG 47
chr-5.trna233-Leu-CAA     GUGAUUGAAGUCUCAAUAUGUCCGAG-UGGU-UAAGGAGAUAGACUCAAAAUCUAUUGGG 58
chr-9.trna77-Leu-CAA      G----------------------AG-UAGUUUA----GUUGG--UUAAACUCCAAACUU 30
                          .........10........20........30........40........50.........
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                          (....)))..(((((.............)))))))))))).
chr-15.trna100-Leu-CAA    CGUGAGAAGGCGUGGGU-----U-CAAAUCCCACUUCUGACA 84
chr-13.trna20-Leu-CAA     CGUGAGAAGGCGUGGGU-----U-CAAAUCCCACUUCUGACA 84
chr-12.trna97-Leu-CAA     CGUGAGAAGGUGUGGGU-----U-CAAAUCCCACUUCUGACA 84
chr-12.trna96-Leu-CAA     CGUGAGAAGGCGUGGGU-----UCAAAAUCCCACUUCUGACA 85
chr-12.trna166-Leu-CAA    CGUGAGAAGGCGUGGGU-----UACAAAUCCCACUUCUGACA 85
chr-3.trna17-Leu-CAA      UGUGAAAAGGGUGUGGGU-----U-CAAAUCCCACUUCUGACA 84
chr-14.trna153-Leu-CAA    UGUAAAAAGGGCGUGGGU-----U-CAAAUCCCACUUCUGACA 84
chr-15.trna65-Leu-CAA     CGUAAGAGGGCGUGGGU-----U-CAAAUCCCACUUCUGACA 84
chr-5.trna62-Leu-CAA      CGUAAGAGGGCGUGGGU-----U-CAAAUCCCACUUCUGACA 84
chr-7.trna100-Leu-CAA     UGUAAAAGGGCGUGGGU-----U-CAAAUCCCACUUCUGACA 84
chr-7.trna101-Leu-CAA     UGUAAAAGGGCGUGGGU-----U-CAAAUCCCACUUCUGACA 84
chr-3.trna16-Leu-CAA      CGUGAGAGGGCGUGGGU-----U-CAAUUCCCACUUCUGACA 84
chr-2.trna131-Leu-CAA     CGUGAGAAGGCGUGGGU-----U-CAAAUCCCACUUCUGACA 84
chr-13.trna163-Leu-CAA    CGUGAGAAGGCGUGGGU-----U-CAAAUCCCACUUCUGACA 84
chr-5.trna113-Leu-CAA     CGUGAGAGGGCGUGGGU-----U-CAAAUCCCACUUCUGACA 84
chr-6.trna188-Leu-CAA     CGUGAGAGGGCGUGGGU-----U-CAAAUCCCACUUCUGACA 84
chr-6.trna189-Leu-CAA     CGUGAGAGGGCGUGGGU-----U-CAAAUCCCACUUCUGACA 84
chr-8.trna193-Leu-CAA     CGUGAGAGGGCGUGGGU-----U-CAAAUCCCACUUCUGACA 84
chr-8.trna194-Leu-CAA     CGUGAGAGGGCGUGGGU-----U-CAAAUCCCACUUCUGACA 84
chr-1.trna93-Leu-CAA      CGUGAGAAGGCGUGGGU-----U-CAAAUCCCACUUCUGACA 84
chr-3.trna127-Leu-CAA     CGUGAGAAGGCGUGGGU-----U-CAAAUCCCACUUCUGACA 84
chr-3.trna202-Leu-CAA     CGUGAGAAGGCGUGGGU-----U-CAAAUCCCACUUCUGACA 84
chr-4.trna22-Leu-CAA      CGUGAGAAGGCGUGGGU-----U-CAAAUCCCACUUCUGACA 84
chr-4.trna254-Leu-CAA     CGUGAGAAGGCGUGGGU-----U-CAAAUCCCACUUCUGACA 84
chr-13.trna189-Leu-CAA    CGUGAGAAGGCGUGGGU-----U-CAAAUCCCACUUCUGACA 84
chr-6.trna81-Leu-CAA      CGUGAGAAGGCGUGGGU-----U-CAAAUCCCACUUCUGACA 84
chr-13.trna162-Leu-CAA    CGUGAGAAGGCGUGGGU-----U-CAAAUCCCACUUCUGACA 84
chr-6.trna157-Leu-CAA     CGUGAGAAGGCGUGGGU-----U-CAAAUCCCACUUCUGACA 84
chr-7.trna22-Leu-CAA      CGUGAGAAGGCGUGGGU-----U-CAAAUCCCACUUCUGACA 84
chr-8.trna76-Leu-CAA      CGUGAGAAGGCGUGGGU-----U-CAAAUCCCACUUCUGACA 84
chr-15.trna99-Leu-CAA     CGUGAGAAGGCGUGGGU-----U-CAAAUCCCACUUCUGACA 84
chr-9.trna101-Leu-CAA     CGUGAGAAGGCGUGGGU-----U-CAAAUCCCACUUCUGACA 84
chr-12.trna98-Leu-CAA     CGUGAGAAGGCGUGGGU-----U-CAAAUCCCACUUCUGACA 84
chr-10.trna71-Leu-CAA     CGUGAGAAGGCGUGGGU-----U-CAAAUCCCACUUCUGACA 84
chr-11.trna6-Leu-CAA      CGUGAGAAGGCGUGGGU-----U-CAAAUCCCACUUCUGACA 84
chr-5.trna285-Leu-CAA     CGUGAGAGGGCGUGGGU-----U-CAAAUCCUACUUCUGACA 84
chr-3.trna19-Leu-CAA      CGUGAGAGGGCGUGGGU-----U-CAAAUCCCACUUCUGACA 84
chr-10.trna86-Leu-CAA     CGUGAGAGGGCGUGGGU-----U-CAAAUCCCACUUCUGACA 84
chr-15.trna27-Leu-CAA     CGUGAGAGAGCGUGGGU-----U-CAAAUCCCACUUCUGACA 84
chr-10.trna70-Leu-CAA     CGUGAGAGGGCGUGGGU-----U-CAAAUCCCACUUCUGACA 84
chr-4.trna41-Leu-CAA      CGUGAGAGAGCGUGGGU-----U-CAAAUCCCACUUCUGACA 84
chr-10.trna87-Leu-CAA     CGUGAGAGGGCGUGGGU-----U-CAAAUCCCACUUCUGACA 84
chr-6.trna77-Leu-CAA      CGUGAGAGGGCGUGGGU-----U-CAAAUCCCACUUCUGACA 84
chr-6.trna80-Leu-CAA      CGUGAGAGGGCGUGGGU-----U-CAAAUCCCACUUCUGACA 84
chr-8.trna138-Leu-CAA     CGUGAGAGGGCGUGGGU-----U-CAAAUCCCACUUCUGACA 84
chr-12.trna161-Leu-CAA    CGUGAGAGGGCGUGGGU-----U-CAAAUCCCACUUUUGACA 84
chr-13.trna19-Leu-CAA     CGUGAGAGGGCGUGGGU-----U-CAAAUUCCACUUCUGACA 84
chr-8.trna75-Leu-CAA      CGUGAGGAGGCGUGGGU-----U-CAAAUCCCACUUCUGACA 84
chr-13.trna52-Leu-CAA     CGUGAGAGGGCGUGGGU-----U-CAAAUCCCACUUCUGACA 84
chr-6.trna78-Leu-CAA      UGUGAGAAGGCGUGGGU-----U-CAAAUCCCACUUCUGACA 84
chr-9.trna46-Leu-CAA      UGUGAGAAGGCGUGGGU-----U-CAAAUCCCACUUCUGACA 84
chr-1.trna92-Leu-CAA      CGUGAGAGGGCGUGGGU-----U-CAAAUCCCACUUCUGACA 84
chr-7.trna110-Leu-CAA     CGUGAGAGGGCGUGGGU-----U-CAAAUCCCACUUCUGACA 84
chr-5.trna115-Leu-CAA     CGUGAGAAGGCGUGGGU-----U-CAAAUCCCACUUCUGACA 84
chr-3.trna47-Leu-CAA      CGUGAGAGGGCGUGGGU-----U-CAAAUCCCACUUCUGACA 84
chr-5.trna60-Leu-CAA      CGUUAGAGGGCGUGGGU-----U-CAAAUCCCACUUCUGACA 84
chr-6.trna125-Leu-CAA     CAUGAGAGGGCGUGGGU-----U-CAAAUCCCACUUCUGACA 84
chr-5.trna55-Leu-CAA      CAUAAGAGAACGUGGGU-----U-CAAAUCCCACUUCUGACA 84
chr-3.trna112-Leu-CAA     CGUGAGAAGGCGUGGGU-----U-CAAAUCACACUUCUGACA 84
chr-5.trna1-Leu-CAA       CGUGAGAGGGCGUGGGU-----U-CAAAUCCCACUUCUGACA 84
chr-7.trna5-Leu-CAA       CGUGAGAAGGCGUGGGU-----U-CAAAUCCCACUUCUGACA 84
chr-5.trna288-Leu-CAA     CGAAAGAAGGCGUGGGU-----U-CAAAUCCCACUUCUGACA 84
chr-9.trna97-Leu-CAA      CGAAAGAAGGCGUGGGU-----U-CAAAUCCCACUUCUGACA 84
chr-13.trna190-Leu-CAA    CGUGAGAAGGCGUGGGU-----U-CAAAUCCCACUUCUGACA 84
chr-6.trna176-Leu-CAA     CGUGAGAAGGCGUGGGU-----U-CAAAUCCCACUUCUGACA 84
chr-9.trna168-Leu-CAA     CGUGAGAAGGCGUGGGU-----U-CAAAUCCCACUUCUGACA 84
chr-5.trna75-Leu-CAA      UGUAAAAGGGCGUGGGU-----U-CAAAUCCCACUUCUGGCA 84
chr-4.trna65-Leu-CAA      CGUGAAAAGGCGUGGGU-----U-CAAAUCCCACUUCUGACA 84
chr-6.trna68-Leu-CAA      CGUGAGAAGGCGUGGGU-----U-CAAAUCCCACUUUUGACA 84
chr-4.trna46-Leu-CAA      UGUAAAAAGGGCGUGGGU-----U-CAAAUCCCACUUCUGACA 84
chr-5.trna61-Leu-CAA      CGUAAGAGGGCGUGGGU-----U-CAAAUCUCACUGUUGACA 84
chr-6.trna175-Leu-CAA     CGUGAGAAGGCAUGGGU-----U-CAAAUUCCACUUUUGACA 84
chr-3.trna18-Leu-CAA      CGUGAGAGGGCGUGGGU-----U-CAAAUCCCACUUCUGACA 84
chr-5.trna56-Leu-CAA      CAUAAGAGAAUGUGGGU-----U-CAAAUCCCACUUCUGACA 84
chr-9.trna62-Leu-CAA      UGUAAAAAGGGCGUGGGU-----U-CAAAUCCCACUUUUGGCA 84
chr-7.trna1-Leu-CAA       CGUGGGAAGGCGUGGGU-----U-CAAAUCCCACUUCUGACA 84
chr-9.trna75-Leu-CAA      CGUGAGAAGGCGUGGGU-----U-CAAAUCCCACUUCUGACA 84
chr-4.trna17-Leu-CAA      CGUAAGAGGGCGUGGGU-----U-CAAAUCCCACUUCUGACA 84
chr-3.trna95-Leu-CAA      CGUGAGAAGGCGUGGGU-----U-CAAAUCCCACUUCUGACA 84
chr-3.trna129-Leu-CAA     CGUGAGAAGGCGUGGGU-----U-CAAAUCCCAUUUCUGACA 82
chr-5.trna207-Leu-CAA     UGUAAAAAGGGCGUGGGU-----U-CAAAUCCCACCUUUGAAA 84
chr-3.trna65-Leu-CAA      UGUGAGAGGGCGUGGGU-----U-CAAAUCCCACUUCUCACA 84
chr-7.trna120-Leu-CAA     CGUGAGAGGGCGUGGGU-----U-CAAAUCCCACUUCACACA 84
chr-7.trna111-Leu-CAA     CGUGAGAGGGCGUGGGUUCAAAUCCAAAUCCCACUUCUGACA 90
chr-13.trna60-Leu-CAA     ---GAAAGGGCAUGGG------CUCAAAUCCCAUUCUUAACA 81
chr-8.trna141-Leu-CAA     --AAAGAGCGUGGAGG------UUCGAGUCCUCUUCAAGGCA 81
chr-9.trna112-Leu-CAA     --AAAGAGCGUGGAGG------UUCGAGUCCUCUUCAAGGCA 81
chr-5.trna223-Leu-CAA     CUUU-GCCUGCGCAAG------UUCGAAUCCUAUUGUUGACG 82
chr-5.trna233-Leu-CAA     CUUU-GCCUGCGCAGG------UUCGAAUCCUGCUCUUCACA 93
chr-9.trna77-Leu-CAA      AAUGUUAUGUCAUAAG------UUCAAAUCUCAUUAGCAACA 66
                          .........70........80........90........100
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