```
                         (((((((..((((..(.(((.(((........).)).)))).)..)))).)(((((.....
chr-3.trna92-Glu-CTC     ----GUCUAGCUUAGUUGGU-AGAGCACAAGGCUCUCAACUUUGUGGUUGUGGGUUCGAG 55
chr-5.trna174-Glu-CTC    GCCUGUCUACCUCAGUCGGU-ACAGCGCAAGGCUCUCAACCUUGUGGUUGUGGGUUCGAG 59
chr-7.trna84-Glu-CTC     UCCGUUGUAGUCUAGGUGGUUAGGAUACUCGGCUCUCACCUGAGAGA-CCCGGGUUCAAG 59
chr-9.trna23-Glu-CTC     UCCGUUGUAGUCUAGGUGGUUAGGAUACUUGGCUCUCACCUGAGAGA-CCCGGGUUUAAG 59
chr-5.trna19-Glu-CTC     UCCGUUGUAGUCUAGGUGGUUAGGAUACUUGGCUCUCACCGAGAGA-CCCGGGUUCAAG 59
chr-4.trna68-Glu-CTC     UCCGUUGUAGUCUAGUCGGUUAGGAUACUCGGCUCUCACCGAGCGA-CCCGGGUUCAAA 59
chr-3.trna203-Glu-CTC    UCCGUUGUAGUCUAGUUGGUCAGGAUACUCGGCUCUCACCGAGAGA-CCCGGGUUCGAG 59
chr-7.trna117-Glu-CTC    UCCGUUGUAGUCUAGUUGGUCAGGAUACUCGGCUCUCACCGAGAGA-CCCGGGUUCGAG 59
chr-2.trna90-Glu-CTC     UCCGUUGUAGUCUAGCUGGUCAGGAUACUCGGCUCUCACCGAGAGA-CCCGGGUUCGAG 59
chr-5.trna31-Glu-CTC     UCCGUUGUAGUCUAGCUGGUCAGGAUACUCGGCUCUCACCGAGAGA-CCCGGGUUCGAG 59
chr-8.trna49-Glu-CTC     UCCGUUGUAGUCUAGCUGGUCAGGAUACUCGGCUCUCACCGAGAGA-CCCGGGUUCGAG 59
chr-1.trna73-Glu-CTC     UCCGUUGUAGUCUAGUUGGUCAGGAUACUCGGCUCUCACCGAGAGA-CCCGGGUUCAAG 59
chr-7.trna16-Glu-CTC     UCCGUUGUAGGUCAGCUGGUCAGGAUACUCGGCUCUCACCGAGAGA-CCCGGGUUCGAG 59
chr-2.trna219-Glu-CTC    UCCGUUGUAGUCUAGCUGGUGAGGAUACUCGGCUCUCACCGAGAGA-CCCGGGUUCGAG 59
chr-5.trna59-Glu-CTC     UCCGUUGUAGUCUAGCUAGUUAGGAUAUUCGGCUCUCACCUGAAAGA-CCCGAGUUCGAG 59
chr-1.trna189-Glu-CTC    UCUGUUGUAGUCUAGCUGGUUAGGAUAUUCGGCUCUCACCCGAAAGA-CCCGGGUUCAAG 59
chr-5.trna125-Glu-CTC    UCCGUUGUAGUCUAGUUGGUCAGGAUAUUCGGCUCUCACCCGAAAGA-CCCGGGUUCAAG 59
chr-5.trna124-Glu-CTC    UCCGUUGUAGUCUAGUUGGUCAGGAUAUUCGGCUCUCACCCGAAAGA-CCCGGGUUCAAG 59
chr-5.trna123-Glu-CTC    UCCGUUGUAGUCUAGUUGGUCAGGAUAUUCGGCUCUCACCCGAAAGA-CCCGGGUUCAAG 59
chr-5.trna200-Glu-CTC    UCCGUUGUAGUCUAGCUGGUUAGGAUAUUCGGCUCUCACCCGAAAGA-CCCGGGUUCGAG 59
chr-1.trna85-Glu-CTC     UCCGUUGUAGUCUAGCUGGUCAGGAUAUUCGGCUCUCACCCGAAAGA-CCCGGGUUCGAG 59
chr-1.trna141-Glu-CTC    UCCGUUGUAGUCUAGCUGGUCAGGAUAUUCGGCUCUCACCCGAAAGA-CCCGGGUUCGAG 59
chr-8.trna88-Glu-CTC     UCCGUUGUAGUCUAGCUGGUCAGGAUAUUCGGCUCUCACCCGAAAGA-CCCGGGUUCGAG 59
chr-9.trna105-Glu-CTC    UCCGUUGUAGUCUAGCUGGUCAGGAUAUUCGGCUCUCACCCGAAAGA-CCCGGGUUCGAG 59
chr-9.trna40-Glu-CTC     UCCGUUGUAGUCUAGCUGGUCAGGAUAUUCGGCUCUCACCCGAAAGA-CCCGGGUUCGAG 59
chr-1.trna188-Glu-CTC    UCCGUUGUAGUCUAGCUGGUCAGGAUAUUCGGCUCUCACCCGAAAGA-CCCGGGUUCGAG 59
chr-7.trna54-Glu-CTC     UCCGUUGUAGUCUAGCUGGUCAGGAUAUUCGGCUCUCACCCGAAAGA-CCCGGGUUCGAG 59
chr-1.trna200-Glu-CTC    UCCGUUGUAGUCUAGCUGGUCAGGAUAUUCGGCUCUCACCCGAAAGA-CCCGGGUUCGAG 59
chr-7.trna15-Glu-CTC     UCCGUUGUAGUCUAGCUGGUCAGGAUAUUCGGCUCUCACCCGAAAGA-CCCGGGUUCGAG 59
chr-6.trna91-Glu-CTC     UCCGUUGUAGUCUAGCUGGUCAGGAUAUUCGGCUCUCACCCGAAAGA-CCCGGGUUCGAG 59
chr-8.trna183-Glu-CTC    UCCGUUGUAGUCUAGCUGGUCAGGAUAUUCGGCUCUCACCCGAAAGA-CCCGGGUUCGAG 59
chr-2.trna195-Glu-CTC    UCCGUUGUAGUCUAGCUGGUCAGGAUAUUCGGCUCUCACCCGAAAGA-CCCGGGUUCGAG 59
chr-3.trna216-Glu-CTC    UCCGUUGUAGUCUAGCUGGUCAGGAUAUUCGGCUCUCACCCGAAAGA-CCCGGGUUCGAG 59
chr-5.trna20-Glu-CTC     UCCGUUGUAGUCUAGCUGGUCAGGAUAUUCGGCUCUCACCCGAAAGA-CCCGGGUUCGAG 59
chr-9.trna106-Glu-CTC    UCCGUUGUAGUCUAGCUGGUCAGGAUAUUCGGCUCUCACCCGAAAGA-CCCGGGUUCGAG 59
chr-5.trna176-Glu-CTC    UUUGUUGUAGUCUAGUUGGUCAGGAUACUCGGCUCUCACCCGAGAGA-CCUGGGUUCAAG 59
                         .........10........20........30........40........50.........

                         .)))))))))))).
chr-3.trna92-Glu-CTC     CCUCAUGGUCUGUG 69
chr-5.trna174-Glu-CTC    CCCACGGUGGGUG 73
chr-7.trna84-Glu-CTC     UCCCGGCAACGGAA 73
chr-9.trna23-Glu-CTC     UCCCGGCAAUGGAA 73
chr-5.trna19-Glu-CTC     UCCCGACAACGGAA 73
chr-4.trna68-Glu-CTC     UCCCGGCAACGGAA 73
chr-3.trna203-Glu-CTC    UCCCGGCAACGGAA 73
chr-7.trna117-Glu-CTC    UCCCGGCAACGGAA 73
chr-2.trna90-Glu-CTC     UCCCGGCAACGGAA 73
chr-5.trna31-Glu-CTC     UCCCGGCAACGGAA 73
chr-8.trna49-Glu-CTC     UCCCGGCAACGGAA 73
chr-1.trna73-Glu-CTC     UCCCGGCAACGGAA 73
chr-7.trna16-Glu-CTC     UCCCGGCAACGGAA 73
chr-2.trna219-Glu-CTC    UCCCGGCAACGGAA 73
chr-5.trna59-Glu-CTC     UCCCGGUAACGGAA 73
chr-1.trna189-Glu-CTC    UCCCGGCAACGGAA 73
chr-5.trna125-Glu-CTC    UCCCGGCAACGGAA 73
chr-5.trna124-Glu-CTC    UCCCGGCAACGGAA 73
chr-5.trna123-Glu-CTC    UCCCGGCAACGGAA 73
chr-5.trna200-Glu-CTC    UCCCGGCAACGGAA 73
chr-1.trna85-Glu-CTC     UCCCGGCAACGGAA 73
chr-1.trna141-Glu-CTC    UCCCGGCAACGGAA 73
chr-8.trna88-Glu-CTC     UCCCGGCAACGGAA 73
chr-9.trna105-Glu-CTC    UCCCGGCAACGGAA 73
chr-9.trna40-Glu-CTC     UCCCGGCAACGGAA 73
chr-1.trna188-Glu-CTC    UCCCGGCAACGGAA 73
chr-7.trna54-Glu-CTC     UCCCGGCAACGGAA 73
chr-1.trna200-Glu-CTC    UCCCGGCAACGGAA 73
chr-7.trna15-Glu-CTC     UCCCGGCAACGGAA 73
chr-6.trna91-Glu-CTC     UCCCGGCAACGGAA 73
chr-8.trna183-Glu-CTC    UCCCGGCAACGGAA 73
chr-2.trna195-Glu-CTC    UCCCGGCAACGGAA 73
chr-3.trna216-Glu-CTC    UCCCGGCAACGGAA 73
chr-5.trna20-Glu-CTC     UCCCGGCAACGGAA 73
chr-9.trna106-Glu-CTC    UCCCGGCAACGGAA 73
chr-5.trna176-Glu-CTC    UCUCGGCAUCGGAA 73
                         .........70...
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