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                                (((((((..((((.........)))).(((((.......)))))).....(((((.......
chr-2.trna31-Glu-TTC     GCCCCCAUCGUCUAGUGGUUUAGGAAAUCUCUCUUUCAAGGAGGCAG-CAGGGAUUCGAA 59
chr-1.trna66-Glu-TTC     GCCCCCAUCGUCUAGUGGUUUAGGACAUCCCUCUUUCAAGGAGGCAG-CGGGGAUUCGAA 59
chr-1.trna118-Glu-TTC    GCCCCCAUCGUCUAGUGGUUUAGGAUAUCUCUCUUUCAAGGAGGCAG-CGGGGAUUCCAA 59
chr-11.trna155-Glu-TTC   GCCCCCAUCGUCUAGUGGUUUAGGACAUCUCUCUUUCAAGGAGGCAU-CGGGGAUUCAAA 59
chr-8.trna131-Glu-TTC    GCCCCCAUCGUCUAGUGGUUUAGGACAUCUCUCUUUCAAGGAGGCAA-CAGGGAUUCGAA 59
chr-5.trna29-Glu-TTC     GCCCCCUUCAUCUAGUGGUUUAGGACAUCUCUCUUUCAAGGAGGCAG-UGGGGAUUCGAA 59
chr-11.trna72-Glu-TTC    UCCCCCAUCGUCUAGUGGUUUAGGACACCUCUCUUUCAAGGAGGCAG-UGGGGAUUCGAA 59
chr-2.trna10-Glu-TTC     GCCCCCAUUCUCUAGUGGUUUAGGACAUCUUUCUUUCAAGGAGGCAG-CGGGGAUUCGAA 59
chr-3.trna31-Glu-TTC     GUCCCUUUCGUCCAGUGG-UUAGGACAUCGUCUUUUCAUGUCGAAGA-CACGGGUUCGAU 58
chr-8.trna72-Glu-TTC     GUCCCUUUCGUCCAGUGG-UUAGGACAUCGUCUUUUCAUGUCGAAGA-CACGGGUUCGAU 58
chr-8.trna110-Glu-TTC    GUCCCUUUCGUCCAGUGG-UUAGGACAUCGUCUUUUCAUGUCGAAGA-CACGGGUUCGAU 58
chr-5.trna65-Glu-TTC     GUCCCUUUCAUCCAAUGG-UUAGGACAUUAUCUUUUCAUGUCAAAUA-UAUGGGUUUAAU 58
chr-6.trna30-Glu-CTC     UCCAUUGUAGUCUAGUUGGUUAGGAUGCUCGGCUCUCACCUGAGAGA-UCUAUGUUUAAG 59
chr-1.trna49-Glu-TTC     UCCGUUGUAGUCUAGUUGGUUAGGAUACUCGGCUUUCACCCGAGAGA-CCCGGGUUUAAG 59
chr-1.trna102-Glu-CTC    UCCGUUGUAGUCUAGUUGGUUAGGAUACUCGGCUCUCACCCGAGAGA-CCCGGGUUCAAG 59
chr-1.trna146-Glu-CTC    UCCGUUGUAGUCUAGUUGGUUAGGAUACUCGGCUCUCACCCGAGAGA-CCCGGGUUCAAG 59
chr-2.trna55-Glu-CTC     UCCGUUGUAGUCUAGUUGGUUAGGAUACUCGGCUCUCACCCGAGAGA-CCCGGGUUCAAG 59
chr-2.trna56-Glu-CTC     UCCGUUGUAGUCUAGUUGGUUAGGAUACUCGGCUCUCACCCGAGAGA-CCCGGGUUCAAG 59
chr-2.trna69-Glu-CTC     UCCGUUGUAGUCUAGUUGGUUAGGAUACUCGGCUCUCACCCGAGAGA-CCCGGGUUCAAG 59
chr-3.trna54-Glu-CTC     UCCGUUGUAGUCUAGUUGGUUAGGAUACUCGGCUCUCACCCGAGAGA-CCCGGGUUCAAG 59
chr-12.trna61-Glu-CTC    UCCGUUGUAGUCUAGUUGGUUAGGAUACUCGGCUCUCACCCGAGAGA-CCCGGGUUCAAG 59
chr-3.trna112-Glu-CTC    UCCGUUGUAGUCUAGUUGGUUAGGAUACUCGGCUCUCACCCGAGAGA-CCCGGGUUCAAG 59
chr-7.trna9-Glu-CTC      UCCGUUGUAGUCUAGUUGGUUAGGAUACUCGGCUCUCACCCGAGAGA-CCCGGGUUCAAG 59
chr-8.trna63-Glu-CTC     UCCGUUGUAGUCUAGUUGGUUAGGAUACUCGGCUCUCACCCGAGAGA-CCCGGGUUCAAG 59
chr-8.trna76-Glu-CTC     UCCGUUGUAGUCUAGUUGGUUAGGAUACUCGGCUCUCACCCGAGAGA-CCCGGGUUCAAG 59
chr-1.trna10-Glu-CTC     UCCGUUGUAGUCUAGUUGGUUAGGAUACUCGGCUCUCACCCGAGAGA-CUCGAGUUCAAG 59
chr-2.trna156-Glu-CTC    UCCGUUGUAGUCUAGUUUGUUAGGAUACCGGCUCUCACCCGAGAGA-CUCGGGUUCAAG 59
chr-4.trna80-Glu-CTC     UCCGGUUUAGUCUAGUUGGUUAGGAUACUCGGCUCUCACCCGAGAGA-CCCGGGUUCAAG 59
chr-4.trna55-Glu-CTC     UGCGUUGUAGUCUAGUUGGUUAGGAUACUCGGCUCUCACCUGAGAGA-CCCGGGUUCGAG 59
chr-8.trna79-Glu-CTC     UCCAUUGUAGUCUAGCUGGUUAGGAUACUCGGCUCUCACCCAAGAGACCCCGGGUUCAAG 60
chr-6.trna169-Glu-CTC    UCCGUUGUAGUCUAGUUGGUUAGGAUACUUGGCUCUCACCCAAGAAACCCGGGUUUCAAG 60
chr-3.trna94-Glu-TTC     UCCGUUAUCAUCCAA-CGGUUAGGAUAUAUGGCUUUCACCCAGGAGA-CUUGGGUUCAAU 58
chr-10.trna9-Glu-TTC     UCCGUUAUCGUCCAG-CGGUUAGGAUAUCUGGCUUUCACCCAGGAGA-CCCGGGUUCGAU 58
chr-2.trna66-Glu-TTC     UCCAUUGUCGUCCAG-CGGUUAGGAUAUCUGGCUUUCACCCAGGAGA-CCCGGGUUCGAU 58
chr-8.trna81-Glu-TTC     UCCGUUAUCGUCCAG-CGGUUAGGAUAUCUGGCUUUCACCCAGGAGA-CCCGGGUUCGAU 58
chr-2.trna102-Glu-TTC    UCCGUUAUCGUCCAG-CGGUUAGGAUAUCUGGCUUUCACCCAGGAGA-CCCGGGUUCGAU 58
chr-3.trna16-Glu-TTC     UCCGUUAUCGUCCAG-CGGUUAGGAUAUCUGGCUUUCACCCAGGAGA-CCCGGGUUCGAU 58
chr-6.trna60-Glu-TTC     UCCGUUAUCGUCCAG-CGGUUAGGAUAUCUGGCUUUCACCCAGGAGA-CCCGGGUUCGAU 58
chr-8.trna106-Glu-TTC    UCCGUUAUCGUCCAG-CGGUUAGGAUAUCUGGCUUUCACCCAGGAGA-CCCGGGUUCGAU 58
chr-8.trna105-Glu-TTC    UCCGUUAUCGUCCAG-CGGUUAGGAUAUCUGGCUUUCACCCAGGAGA-CCCGGGUUCGAU 58
chr-4.trna53-Glu-TTC     UCCGUUAUCGUCCAG-CGGUUAGGAUAUCUGGCUUUCACCCAGGAGA-CCCGGGUUCGAU 58
chr-8.trna104-Glu-TTC    UCCGUUAUCGUCCAG-CGGUUAGGAUAUCUGGCUUUCACCCAGGAGA-CCCGGGUUCAAU 58
chr-4.trna18-Glu-TTC     UCCGUUAUCGUCCAG-CGGUUAGGAUAUCUGGCUUUCACGCAGGAGA-CCCGGGUUCGAU 58
chr-9.trna78-Glu-TTC     UCCGUUAUUGUCCAU-CGGUUAGGAUAUCUGCCUUUCACCCAGGAGA-CCCGGGUUCGAU 58
chr-3.trna3-Glu-TTC      UCCUUUAUCGUCCAG-CGGUUAGGAUAUCUGGCUUUCACCCAGGAGA-CCCAGUUUCGAU 58
                         .........10........20........30........40........50.........

                         .)))))))))))).
chr-2.trna31-Glu-TTC     UUCCCCUAGGGGUA 73
chr-1.trna66-Glu-TTC     UUCCCCUGGGGGUA 73
chr-1.trna118-Glu-TTC    UUCCCCUGGGGGUA 73
chr-11.trna155-Glu-TTC   UUCCCUUGGGGGUA 73
chr-8.trna131-Glu-TTC    UUCCCCUGGGGGUA 73
chr-5.trna29-Glu-TTC     UUCCCCUGGGGGUA 73
chr-11.trna72-Glu-TTC    UUCCCCUGGGGGCA 73
chr-2.trna10-Glu-TTC     UUCCCCUGGGGGUA 73
chr-3.trna31-Glu-TTC     UCCCGUAAGGGAUA 72
chr-8.trna72-Glu-TTC     UCCCGUAAGGGAUA 72
chr-8.trna110-Glu-TTC    UCUCGUAAGGGAUA 72
chr-5.trna65-Glu-TTC     UCCCGUAAGGGAUA 72
chr-6.trna30-Glu-CTC     UCCUAGCGAUGAAA 73
chr-1.trna49-Glu-TTC     UCCCGACAACAUAA 73
chr-1.trna102-Glu-CTC    UCCCGGCAACGGAA 73
chr-1.trna146-Glu-CTC    UCCCGGCAACGGAA 73
chr-2.trna55-Glu-CTC     UCCCGGCAACGGAA 73
chr-2.trna56-Glu-CTC     UCCCGGCAACGGAA 73
chr-2.trna69-Glu-CTC     UCCCGGCAACGGAA 73
chr-3.trna54-Glu-CTC     UCCCGGCAACGGAA 73
chr-12.trna61-Glu-CTC    UCCCGGCAACGGAA 73
chr-3.trna112-Glu-CTC    UCCCGGCAACGGAA 73
chr-7.trna9-Glu-CTC      UCCCGGCAACGGAA 73
chr-8.trna63-Glu-CTC     UCCCGGCAACGGAA 73
chr-8.trna76-Glu-CTC     UCCCGGCAACGGAA 73
chr-1.trna10-Glu-CTC     UCCUGGCAACGGAA 73
chr-2.trna156-Glu-CTC    UCCCGGCAGUGGAA 73
chr-4.trna80-Glu-CTC     UCCCGGCAACGGAA 73
chr-4.trna55-Glu-CTC     UCCCAGCAACGGAA 73
chr-8.trna79-Glu-CTC     UCCCAGCAACGGAA 74
chr-6.trna169-Glu-CTC    UCCCGGGAUCGGAA 74
chr-3.trna94-Glu-TTC     UCCCAAUUACGGAA 72
chr-10.trna9-Glu-TTC     UCCCGGUAACGGAA 72
chr-2.trna66-Glu-TTC     UCCCGGCAAUGGAA 72
chr-8.trna81-Glu-TTC     UCCCGGUAACGGAA 72
chr-2.trna102-Glu-TTC    UCCCGGUAACGGAA 72
chr-3.trna16-Glu-TTC     UCCCGGUAACGGAA 72
chr-6.trna60-Glu-TTC     UCCCGGUAACGGAA 72
chr-8.trna106-Glu-TTC    UCCCGGUAACGGAA 72
chr-8.trna105-Glu-TTC    UCCCGGUAACGGAA 72
chr-4.trna53-Glu-TTC     UCCCGGUAACGGAA 72
chr-8.trna104-Glu-TTC    UCCCGGUAACGGAA 72
chr-4.trna18-Glu-TTC     UCCCGGUAACGGAA 72
chr-9.trna78-Glu-TTC     CCCCGGUGACGGAA 72
chr-3.trna3-Glu-TTC      UCCUGGUAACGGAA 72
                         .........70...
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