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                                 (((((((..((((.........)))).(((((.......)))))).....(((((.......
chr-9.trna11-Glu-TTC             UCCGUUGUCGUCCAG-CGGUUAGGAUAUCUAGCUUUCACCCGGGAGACCCGGGUUCG--A 57
chr-9.trna14-Glu-TTC             UCCGUUGUCGUCCAG-UGGUUAGGAUAUCUGGCUUUCACCCAGGAGACCUGGGUUCA--A 57
chr-15.trna2-Glu-TTC             UCUGUUGUCGUCCAG-UGGUUAGGAUAUUUGGCUUUCACCCAGGAGACCUGGGUUCA--A 57
chr-1.trna166-Glu-TTC            UCCGUUGUCGUCCAG-CGGUUAGGAUAUCUGGCUUUCACCCAGGAGACCCAGGUUCG--A 57
chr-15.trna61-Glu-TTC            UCCGUUGUCGUCCAG-CGGUUAGGAUAUCUGGCUUUCACCCAGGAGACCCGGGUUCG--A 57
chr-3.trna11-Glu-TTC             UCCGUUGUCGUCCAG-CGGUUAGGAUAUCUGGCUUUCACCCAGGAGACCCGGGUUCG--A 57
chr-4.trna80-Glu-TTC             UCCGUUGUCGUCCAG-CGGUUAGGAUAUCUGGCUUUCACCCAGGAGACCCGGGUUCG--A 57
chr-15.trna55-Glu-TTC            UCCGUUGUCGUCCAG-CGGUUAGGAUAUCUGGCUUUCACCCAGGAGACCCGGGUUCG--A 57
chr-14.trna78-Glu-TTC            UCCGUUGUCGUCCAG-CGGUUAGGAUAUCUGGCUUUCACCCAGGAGACCCGGGUUCG--A 57
chr-14.trna76-Glu-TTC            UCCGUUGUCGUCCAG-CGGUUAGGAUAUCUGGCUUUCACCCAGGAGACCCGGGUUCG--A 57
chr-14.trna42-Glu-TTC            UCCGUUGUCGUCCAG-CGGUUAGGAUAUCUGGCUUUCACCCAGGAGACCCGGGUUCG--A 57
chr-12.trna247-Glu-TTC           UCCGUUGUCGUCCAG-CGGUUAGGAUAUCUGGCUUUCACCCAGGAGACCCGGGUUCG--A 57
chr-12.trna222-Glu-TTC           UCCGUUGUCGUCCAG-CGGUUAGGAUAUCUGGCUUUCACCCAGGAGACCCGGGUUCG--A 57
chr-12.trna69-Glu-TTC            UCCGUUGUCGUCCAG-CGGUUAGGAUAUCUGGCUUUCACCCAGGAGACCCGGGUUCG--A 57
chr-4.trna123-Glu-TTC            UCCGUUGUCGUCCAG-CGGUUAGGAUAUCUGGCUUUCACCCAGGAGACCCGGGUUCG--A 57
chr-10.trna159-Glu-TTC           UCCGUUGUCGUCCAG-CGGUUAGGAUAUCUGGCUUUCACCCAGGAGACCCGGGUUCG--A 57
chr-5.trna201-Glu-TTC            UCCGUUGUCGUCCAG-CGGUUAGGAUAUCUGGCUUUCACCCAGGAGACCCGGGUUCG--A 57
chr-10.trna103-Glu-TTC           UCCGUUGUCGUCCAG-CGGUUAGGAUAUCUGGCUUUCACCCAGGAGACCCGGGUUCG--A 57
chr-6.trna58-Glu-TTC             UCCGUUGUCGUCCAG-CGGUUAGGAUAUCUGGCUUUCACCCAGGAGACCCGGGUUCG--A 57
chr-9.trna279-Glu-TTC            UCCGUUGUCGUCCAG-CGGUUAGGAUAUCUGGCUUUCACCCAGGAGACCCGGGUUCG--A 57
chr-9.trna277-Glu-TTC            UCCGUUGUCGUCCAG-CGGUUAGGAUAUCUGGCUUUCACCCAGGAGACCCGGGUUCG--A 57
chr-6.trna59-Glu-TTC             UCCGUUGUCGUCCAG-CGGUUAGGAUAUCUGGCUUUCACCCAGGAGACCCGGGUUCG--A 57
chr-8.trna3-Glu-TTC              UCCGUUGUCGUCCAG-CGGUUAGGAUAUCUGGCUUUCACCCAGGAGACCCGGGUUCG--A 57
chr-8.trna7-Glu-TTC              UCCGUUGUCGUCCAG-CGGUUAGGAUAUCUGGCUUUCACCCAGGAGACCCGGGUUCG--A 57
chr-1.trna3-Glu-TTC              UCCGUUGUCGUCCAG-CGGUUAGGAUAUCUGGCUUUCACCCAGGAGACCCGGGUUCG--A 57
chr-9.trna6-Glu-TTC              UCCGUUGUCGUCCAG-CGGUUAGGAUAUCUGGCUUUCACCCAGGAGACCCGGGUUCG--A 57
chr-8.trna106-Glu-TTC            UCCGUUGUCGUCCAG-CGGUUAGGAUAUCUGGCUUUCACCCAGGAGACCCGGGUUCG--A 57
chr-4.trna78-Glu-TTC             UCCGUUGUCGUCCAG-CGGUUAGGAUAUCUGGCUUUCACCCAGGAGACCCGGGUUCA--A 57
chr-8.trna108-Glu-TTC            UCCGUUGUCGUCCAG-CGGUUAGGAUAUCUGGCUUUCACCCAGGAGACCCGGGUUCA--A 57
chr-12.trna11-Glu-TTC            UCCGCUGUCGUCCAG-CGGUUAGGAUAUCUGGCUUUCACCCAGGAGACCCGGGUUCG--A 57
chr-9.trna275-Glu-TTC            UCCGUUGUAGUCCAG-CGGUUAGGAUAUCUGGCUUUCACCCAGGAGACCCGGGUUCG--A 57
chr-10.trna94-Glu-TTC            UCCGUUGUUGUCCAG-UGGUUAGGAUUUUUGGCUUUCACCCAGGAGACCGGGUUCA--A 57
chr-2.trna137-Glu-TTC            UCC-UUGUCGUCCAG-CGGUUAGGAUAUCUGGCUUUCACCCAGGAGACCCGGGUUCG--A 56
chr-1.trna167-Glu-TTC            UUUGUUGUCGUCCAG-UGGUUAGGAUAUAUGGCUUUCACCCAGGUAACCCGGGUUCA--A 57
chr-8.trna161-Glu-TTC            UCCGUUGUAGUCUAGUCGGUUAGGAUAUUCGACUUUCACCCGAAAGACCCGGGUUCA--A 58
chr-16.trna16-Glu-TTC            GUCCCUUUCGUUCAG-UGGUUAGGACAUCGUCUUUUCAUGUCGAAGACACGGGUUCG--A 57
chr-16.trna82-Glu-TTC            GUCCCUUUCGUUCAG-UGGUUAGGACAUCGUCUUUUCAUGUCGAAGACACGGGUUCG--A 57
chr-9.trna36-Glu-TTC             GUCCCUUUCGUCCAG-UGGUUAGGACAUCGUCUUUUCGUGUCGAAGACACGGGUUCG--A 57
chr-10.trna118-Glu-TTC           ---GUUAUAGUCUAAUUGGUUAGGAUAUUUGACUUUCACUUAAAAGAUCCGGGUUUGAUA 57
                                 .........10........20........30........40........50.........

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chr-9.trna11-Glu-TTC             UUCCCGGCA-ACGGAA 72
chr-9.trna14-Glu-TTC             UUCCCGGCA-ACGGAA 72
chr-15.trna2-Glu-TTC             UUCCCGGCA-AUGGAA 72
chr-1.trna166-Glu-TTC            UUCCCGGCA-ACGGAA 72
chr-15.trna61-Glu-TTC            UUCCCGACA-ACGGAA 72
chr-3.trna11-Glu-TTC             UUCCCGGCA-ACGGAA 72
chr-4.trna80-Glu-TTC             UUCCCGGCA-ACGGAA 72
chr-15.trna55-Glu-TTC            UUCCCGGCA-ACGGAA 72
chr-14.trna78-Glu-TTC            UUCCCGGCA-ACGGAA 72
chr-14.trna76-Glu-TTC            UUCCCGGCA-ACGGAA 72
chr-14.trna42-Glu-TTC            UUCCCGGCA-ACGGAA 72
chr-12.trna247-Glu-TTC           UUCCCGGCA-ACGGAA 72
chr-12.trna222-Glu-TTC           UUCCCGGCA-ACGGAA 72
chr-12.trna69-Glu-TTC            UUCCCGGCA-ACGGAA 72
chr-4.trna123-Glu-TTC            UUCCCGGCA-ACGGAA 72
chr-10.trna159-Glu-TTC           UUCCCGGCA-ACGGAA 72
chr-5.trna201-Glu-TTC            UUCCCGGCA-ACGGAA 72
chr-10.trna103-Glu-TTC           UUCCCGGCA-ACGGAA 72
chr-6.trna58-Glu-TTC             UUCCCGGCA-ACGGAA 72
chr-9.trna279-Glu-TTC            UUCCCGGCA-ACGGAA 72
chr-9.trna277-Glu-TTC            UUCCCGGCA-ACGGAA 72
chr-6.trna59-Glu-TTC             UUCCCGGCA-ACGGAA 72
chr-8.trna3-Glu-TTC              UUCCCGGCA-ACGGAA 72
chr-8.trna7-Glu-TTC              UUCCCGGCA-ACGGAA 72
chr-1.trna3-Glu-TTC              UUCCCGGCA-ACGGAA 72
chr-9.trna6-Glu-TTC              UUCCCGGCA-ACGGAA 72
chr-8.trna106-Glu-TTC            UUCCCGGCA-ACGGAA 72
chr-4.trna78-Glu-TTC             UUCCCGGCA-ACGGAA 72
chr-8.trna108-Glu-TTC            UUCCCGGCA-ACGGAA 72
chr-12.trna11-Glu-TTC            UUCCCGGCA-ACGGAA 72
chr-9.trna275-Glu-TTC            UUCCCGGCA-ACGGAA 72
chr-10.trna94-Glu-TTC            UUCUCGGCA-ACGGAA 72
chr-2.trna137-Glu-TTC            UUCCCGGCA-ACGGAA 71
chr-1.trna167-Glu-TTC            UUCCUGGCA-ACGGAA 72
chr-8.trna161-Glu-TTC            UUCCCGGCA-ACGGAA 73
chr-16.trna16-Glu-TTC            UUCCCGUAA-GGGAUA 72
chr-16.trna82-Glu-TTC            UUCCCGUAA-GGGAUA 72
chr-9.trna36-Glu-TTC             UUUCCAUAA-GGGAUA 72
chr-10.trna118-Glu-TTC           UUUCCGGCAUAUCUCA 73
                                 .........70.....
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