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                                 ((((.((...(((....))).((.(.((((((....).)))))).).))(((((.......
chr-13.trna245-Phe-GAA    GCGGGGAUAGCUCAGUUGGGAGAGCGUCAGACUGAAGAUCUGAAGGUCACAUGUUCGAUC 60
chr-05.trna127-Phe-GAA    GCGGGGAUAGCUCAGUUGGGAGAGCGUCAGACUGAAGAUCUGAAGGUCACAUGUUCGAUC 60
chr-11.trna35-Phe-GAA     GCGGGGAUAGCUCAGUUGGGAGAGCGUCAGACUGAAGAUCUGAAGGUCGCGUGUUCGAUC 60
chr-13.trna18-Phe-GAA     GCGGGGAUAGCUCAGUUGGGAGAGCGUCAGACUGAAGAUCUGAAGGUCGCGUGUUCGAUC 60
chr-13.trna20-Phe-GAA     GCGGGGAUAGCUCAGUUGGGAGAGCGUCAGACUGAAGAUCUGAAGGUCGCGUGUUCGAUC 60
chr-02.trna7-Phe-GAA      GCGGGGAUAGCUCAGUUGGGAGAGCGUCAGACUGAAGAUCUGAAGGUCGCGUGUUCGAUC 60
chr-04.trna217-Phe-GAA    GCGGGGAUAGCUCAGUUGGGAGAGCGUCAGACUGAAGAUCUGAAGGUCGCGUGUUCGAUC 60
chr-06.trna154-Phe-GAA    GCGGGGAUAGCUCAGUUGGGAGAGCGUCAGACUGAAGAUCUGAAGGUCGCGUGUUCGAUC 60
chr-06.trna156-Phe-GAA    GCGGGGAUAGCUCAGUUGGGAGAGCGUCAGACUGAAGAUCUGAAGGUCGCGUGUUCGAUC 60
chr-08.trna1-Phe-GAA      GCGGGGAUAGCUCAGUUGGGAGAGCGUCAGACUGAAGAUCUGAAGGCCGCGUGUUCGAUC 60
chr-08.trna152-Phe-GAA    GCGGGGAUAGCUCAGUUGGGAGAGCGUCAGACUGAAGAUCUGAAGGCCGCGUGUUCGAUC 60
chr-11.trna27-Phe-GAA     GCGGGGAUAGCUCAGUUGGGAGAGCGUCAGACUGAAGAUCUGAAGGUCACGUGUUCGAUC 60
chr-07.trna98-Phe-GAA     GCGGGGAUAGCUCAGUUGGGAGAGCGUCAGACUGAAGAUCUGAAGGUCACGUGUUCGAUC 60
chr-07.trna101-Phe-GAA    GCGGGGAUAGCUCAGUUGGGAGAGCGUCAGACUGAAGAUCUGAAGGUCACGUGUUCGAUC 60
chr-11.trna29-Phe-GAA     GCGGGGAUAGCUCAGUUGGGAGAGCGUCAGACUGAAGAUCUGAAGGUCACGUGUUCGAUC 60
chr-06.trna145-Phe-GAA    GCGGGGAUAGCUCAGUUGGGAGAGCGUCAGACUGAAGAUCUGAAGGUCACGUGUUCGAUC 60
chr-06.trna13-Phe-GAA     GCGGGGAUAGCUCAGUUGGGAGAGCGUCAGACUGAAGAUCUGAAGGUCACGUGUUCGAUC 60
chr-07.trna73-Phe-GAA     GCGGGGAUAGCUCAGUUGGGAGAGCGUCAGACUGAAGAUCUGAAGGUCACGUGUUCGAUC 60
chr-11.trna31-Phe-GAA     GCGGGGAUAGCUCAGUUGGGAGAGCGUCAGACUGAAGAUCUGAAGGUCACGUGUUCGAUC 60
chr-07.trna119-Phe-GAA    GCGGGGAUAGCUCAGUUGGGAGAGCGUCAGACUGAAGAUCUGAAGGUCACGUGUUCGAUC 60
chr-04.trna167-Phe-GAA    GCGGGGAUAGCUCAGUUGGGAGAGCGUCAGACUGAAGAUCUGAAGGUCACGUGUUCGAUC 60
chr-04.trna166-Phe-GAA    GCGGGGAUAGCUCAGUUGGGAGAGCGUCAGACUGAAGAUCUGAAGGUCACGUGUUCGAUC 60
chr-06.trna147-Phe-GAA    GCGGGGAUAGCUCAGUUGGGAGAGCGUCAGACUGAAGAUCUGAAGGUCACGUGUUCGAUC 60
chr-03.trna105-Phe-GAA    GCGGGGAUAGCUCAGUUGGGAGAGCGUCAGACUGAAGAUCUGAAGGUCACGUGUUCGAUC 60
chr-03.trna92-Phe-GAA     GCGGGGAUAGCUCAGUUGGGAGAGCGUCAGACUGAAGAUCUGAAGGUCACGUGUUCGAUC 60
chr-11.trna56-Phe-GAA     GCGGGGAUAGCUCAGUUGGGAGAGCGUCAGACUGAAGAUCUGAAGGUCACGUGUUCGAUC 60
chr-01.trna88-Phe-GAA     GCGGGGAUAGCUCAGUUGGGAGAGCGUCAGACUGAAGAUCUGAAGGUCACGUGUUCGAUC 60
chr-01.trna58-Phe-GAA     GCGGGGAUAGCUCAGUUGGGAGAGCGUCAGACUGAAGAUCUGAAGGUCACGUGUUCGAUC 60
chr-01.trna57-Phe-GAA     GCGGGGAUAGCUCAGUUGGGAGAGCGUCAGACUGAAGAUCUGAAGGUCACGUGUUCGAUC 60
chr-01.trna30-Phe-GAA     GCGGGGAUAGCUCAGUUGGGAGAGCGUCAGACUGAAGAUCUGAAGGUCACGUGUUCGAUC 60
chr-15.trna81-Phe-GAA     GCGGGGAUAGCUCAGUUGGGAGAGCGUCAGACUGAAGAUCUGAAGGUCACGUGUUCGAUC 60
chr-15.trna58-Phe-GAA     GCGGGGAUAGCUCAGUUGGGAGAGCGUCAGACUGAAGAUCUGAAGGUCACGUGUUCGAUC 60
chr-15.trna57-Phe-GAA     GCGGGGAUAGCUCAGUUGGGAGAGCGUCAGACUGAAGAUCUGAAGGUCACGUGUUCGAUC 60
chr-15.trna55-Phe-GAA     GCGGGGAUAGCUCAGUUGGGAGAGCGUCAGACUGAAGAUCUGAAGGUCACGUGUUCGAUC 60
chr-14.trna34-Phe-GAA     GCGGGGAUAGCUCAGUUGGGAGAGCGUCAGACUGAAGAUCUGAAGGUCACGUGUUCGAUC 60
chr-10.trna86-Phe-GAA     GCGGGGAUAGCUCAGUUGGGAGAGCGUCAGACUGAAGAUCUGAAGGUCACGUGUUCGAUC 60
chr-13.trna36-Phe-GAA     GCGGGGAUAGCUCAGUUGGGAGAGCGUCAGACUGAAGAUCUGAAGGUCACGUGUUCGAUC 60
chr-11.trna60-Phe-GAA     GCGGGGAUAGCUCAGUUGGGAGAGCGUCAGACUGAAGAUCUGAAGGUCACGUGUUCGAUC 60
chr-08.trna49-Phe-GAA     GCGGGGAUAGCUCAGUUGGGAGAGCGUCAGACUGAAGAUCUGAAGGUCACGUGUUCGAUC 60
chr-07.trna103-Phe-GAA    GCGGGGAUAGCUCAGUUGGGAGAGCGUCAGACUGAAGAUCUGAAGGUCACGUGUUCGAUC 60
chr-12.trna8-Phe-GAA      GCGGGGAUAGCUCAGUUGGGAGAGCGUCAGACUGAAGAUCUGAAGGUCACGUGUUCGAUC 60
chr-12.trna7-Phe-GAA      GCGGGGAUAGCUCAGUUGGGAGAGCGUCAGACUGAAGAUCUGAAGGUCACGUGUUCGAUC 60
chr-11.trna62-Phe-GAA     GCGGGGAUAGCUCAGUUGGGAGAGCGUCAGACUGAAGAUCUGAAGGUCACGUGUUCGAUC 60
chr-06.trna152-Phe-GAA    GCGGGGAUAGCUCAGUUGGGAGAGCGUCAGACUGAAGAUCUGAAGGUCACGUGUUCGAUC 60
chr-04.trna16-Phe-GAA     GCGGGGACAGCUCAGUUGGGAGAGCGUCAGACUGAAGAUCUGAAGGUCACGUGUUCGAUC 60
chr-02.trna79-Phe-GAA     GCGGGGAUAGCUCAGUUGGGAGAGCGUCAGACUGAAGAUCUGAAGGUCACGUGUUCGAUC 60
chr-13.trna220-Phe-GAA    GCGGGGAUAGCUCAGUUGGGAGAGCGUCAGACUGAAGAUCUGAAGGUCACGUGUUCGAUC 60
chr-01.trna60-Phe-GAA     GCGGGGAUAGCUCAGUUGGGAGAGCGUCAGACUGAAGAUCUGAAGGUCACGUGUUCGAUC 60
chr-11.trna10-Phe-GAA     GCGGGGAUAGCUUAGUUGGGAGAGCAUCAGACUGAAGAUCUGAAGGUCUCGUGUUCAAUC 60
chr-11.trna12-Phe-GAA     GCGGGGAUAGCUCAGUUGGGAGAGCGUCAGACUGAAGAUCUGAAGGUCUCGUGUUCGAUC 60
chr-12.trna56-Phe-GAA     GCGGGGAUAGCUCAGUUGGGAGAGCGUCAGACUGAAGAUCUGAAGGUCUCGUGUUCGAUC 60
chr-07.trna115-Phe-GAA    GCGGGGAUAGCUCAGUUGGGAGAGCGUCAGACUGAAGAUCUGAAGGUCUCGUGUUCGAUC 60
chr-07.trna114-Phe-GAA    GCGGGGAUAGCUCAGUUGGGAGAGCGUCAGACUGAAGAUCUGAAGGUCUCGUGUUCGAUC 60
chr-09.trna129-Phe-GAA    GCGGGGUAGCUUAGUUGGGAGAGCGUCAGACUGAAGAUCUGAAGGUCUCGUGUUCGAUC 60
chr-09.trna23-Phe-GAA     GCGGGGUAGCUUAGUUGGGAGAGCGUCAGACUGAAGAUCUGAAGGUCUCGUGUUCGAUC 60
chr-11.trna9-Phe-AAA      GCGGGGAUAGCUCAGUUAGGAGAGCGUUAGACUAAAGAUCUGAAGGUCUCGUGUUCGAUC 60
chr-08.trna47-Phe-GAA     GCGGGGAUAGCUCAGUAGGGAGAGCGUCAGAUUGAAGAUCUGAAGGUCAUGUGUUCGAUU 60
chr-11.trna11-Phe-GAA     GCGGGGAUAGCUCUGCUGUGAGAGCGUCAGACUGAAGAUCUGAAGGUCUCGUGUUCGAUC 60
chr-11.trna58-Phe-GAA     GCGGGGAUAGCUCAGUUGGGAGAGCGUUAGACUGAAGAUCUAAAGGCCACAUGUUCAAUC 60
chr-05.trna3-Phe-GAA      GUUGGGAUAGCUCUGCUGGUAGAGUAGAGGACUGAAAAAUCCUCGUGUCACCAGUUCAAAU 60
chr-11.trna8-Phe-GAA      GUUU----AGCUCAGUUGGGAGAGCGUCAGACUGAAGAUCUAAAGGUCUCAUGUACGUAA 56
                                 .........10........20........30........40........50.........
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                                 )))))))..))))).
chr-13.trna245-Phe-GAA    CACGUUCACCGCA 73
chr-05.trna127-Phe-GAA    CACGUUCACCGCA 73
chr-11.trna35-Phe-GAA     CACGCUCACCGCA 73
chr-13.trna18-Phe-GAA     CACGCUCACCGCA 73
chr-13.trna20-Phe-GAA     CACGCUCACCGCA 73
chr-02.trna7-Phe-GAA      CACGCUCACCGCA 73
chr-04.trna217-Phe-GAA    CACGCUCACCGCA 73
chr-06.trna154-Phe-GAA    CACGCUCACCGCA 73
chr-06.trna156-Phe-GAA    CACGCUCACCGCA 73
chr-08.trna1-Phe-GAA      CACGCUCACCGCA 73
chr-08.trna152-Phe-GAA    CACGCUCACCGCA 73
chr-11.trna27-Phe-GAA     CACGUUCACCGCA 73
chr-07.trna98-Phe-GAA     CACGUUCACCGCA 73
chr-07.trna101-Phe-GAA    CACGUUCACCGCA 73
chr-11.trna29-Phe-GAA     CACGUUCACCGCA 73
chr-06.trna145-Phe-GAA    CACGUUCACCGCA 73
chr-06.trna13-Phe-GAA     CACGUUCACCGCA 73
chr-07.trna73-Phe-GAA     CACGUUCACCGCA 73
chr-11.trna31-Phe-GAA     CACGUUCACCGCA 73
chr-07.trna119-Phe-GAA    CACGUUCACCGCA 73
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chr-03.trna105-Phe-GAA    CACGUUCACCGCA 73
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chr-01.trna30-Phe-GAA     CACGUUCACCGCA 73
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chr-14.trna34-Phe-GAA     CACGUUCACCGCA 73
chr-10.trna86-Phe-GAA     CACGUUCACCGCA 73
chr-13.trna36-Phe-GAA     CACGUUCACCGCA 73
chr-11.trna60-Phe-GAA     CACGUUCACCGCA 73
chr-08.trna49-Phe-GAA     CACGUUCACCGCA 73
chr-07.trna103-Phe-GAA    CACGUUCACCGCA 73
chr-12.trna8-Phe-GAA      CACGUUCACCGCA 73
chr-12.trna7-Phe-GAA      CACGUUCACCGCA 73
chr-11.trna62-Phe-GAA     CACGUUCACCGCA 73
chr-06.trna152-Phe-GAA    CACGUUCACCGCA 73
chr-04.trna16-Phe-GAA     CACGUUCACCGCA 73
chr-02.trna79-Phe-GAA     CACGUUCACCGCA 73
chr-13.trna220-Phe-GAA    CACGUUCACCGCA 73
chr-01.trna60-Phe-GAA     CACGUUCACCGUA 73
chr-11.trna10-Phe-GAA     CACGAUCACCGCA 73
chr-11.trna12-Phe-GAA     CACGAUCACCGCA 73
chr-12.trna56-Phe-GAA     CACGAUCACCGCA 73
chr-07.trna115-Phe-GAA    CACGAUCACCGCA 73
chr-07.trna114-Phe-GAA    CACGAUCACCGCA 73
chr-09.trna129-Phe-GAA    CACGAUCACCGCA 73
chr-09.trna23-Phe-GAA     CACGAUCACCGCA 73
chr-11.trna9-Phe-AAA      CACCAUCACUGCA 73
chr-08.trna47-Phe-GAA     CACGUUCACCGCA 73
chr-11.trna11-Phe-GAA     CACGAUCACCGCA 73
chr-11.trna58-Phe-GAA     CACGUUCAUUGCA 73
chr-05.trna3-Phe-GAA      CUGGUUCCUAGCA 73
chr-11.trna8-Phe-GAA      CAUAGAAUAAACA 69
                                 .........70..
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