```
                        (((((((.............(((((((((.......)))))).)))))))..(.......
chr-A8.trna88-Pro-TGG   GGGCAUUGGUCUAGUGGUAUGAUUCUCGCUUUGGGUGCGAGGGGUCCGA-GUUCGAUU 59
chr-A2.trna20-Pro-TGG   GGGCGUUGGUCUAGUGGUAUGAUUCUCGCUUUGGGUGCGAGAGGUCCGA-GUUCGAUU 59
chr-A2.trna58-Pro-TGG   GGGCGUUGGUCUAGUGGUAUGAUUCUCGCUUUGGGUGCGAGAGGUCCGA-GUUCGAUU 59
chr-A10.trna58-Pro-TGG  GGGCGUUGGUCUAGUGGUAUGAUUCUCGCUUUGGGUGCGAGAGGUCCGA-GUUCGAUU 59
chr-A10.trna17-Pro-TGG  GGGCGUUGGUCUAGUGGUAUGAUUCUCGCUUUGGGUGCGAGAGGUCCGA-GUUCGAUU 59
chr-A2.trna100-Pro-TGG  GGGCGUUGGUCUAGUGGUAUGAUUCUCGCUUUGGGUGCGAGAGGUCCGA-GUUCGAUU 59
chr-A2.trna107-Pro-TGG  GGGCGUUGGUCUAGUGGUAUGAUUCUCGCUUUGGGUGCGAGAGGUCCGA-GUUCGAUU 59
chr-A3.trna18-Pro-TGG   GGGCGUUGGUCUAGUGGUAUGAUUCUCGCUUUGGGUGCGAGAGGUCCGA-GUUCGAUU 59
chr-A3.trna24-Pro-TGG   GGGCGUUGGUCUAGUGGUAUGAUUCUCGCUUUGGGUGCGAGAGGUCCGA-GUUCGAUU 59
chr-A6.trna27-Pro-TGG   GGGCGUUGGUCUAGUGGUAUGAUUCUCGCUUUGGGUGCGAGAGGUCCGA-GUUCGAUU 59
chr-A8.trna109-Pro-TGG  GGGCGUUGGUCUAGUGGUAUGAUUCUCGCUUUGGGUGCGAGAGGUCCGA-GUUCGAUU 59
chr-A6.trna62-Pro-TGG   GGGCGUUGGUCUAGUGGUAUGAUUCUCGCUUUGGGUGCGAGAGGUCCGA-GUUCGAUU 59
chr-A7.trna88-Pro-TGG   GGGCGUUGGUCUAGUGGUAUGAUUCUCGCUUUGGGUGCGAGAGGUCCGA-GUUCGAUU 59
chr-A8.trna22-Pro-TGG   GGGCGUUGGUCUAGUGGUAUGAUUCUCGCUUUGGGUGCGAGAGGUCCGA-GUUCGAUU 59
chr-A9.trna137-Pro-TGG  GGGCAUUGGUCUAGUGGUAUGAUUCUCGCUUUGGGUGCGAGAGGUCCGA-GUUCGAUU 59
chr-A9.trna136-Pro-TGG  GGGCAUUGGUCUAGUGGUAUGAUUCUCGCUUUGGGUGCGAGAGGUCCGA-GUUCGAUU 59
chr-A8.trna87-Pro-TGG   GGGCAUUGGUCUAGUGGUAUGAUUCUCGCUUUGGGUGCGAGAGGUCCGA-GUUCGAUU 59
chr-A8.trna86-Pro-TGG   GGGCAUUGGUCUAGUGGUAUGAUUCUCGCUUUGGGUGCGAGAGGUCCGA-GUUCGAUU 59
chr-A9.trna134-Pro-TGG  GGGCAUUGGUCUAGUGGUAUGAUUCUCGCUUUGGGUGCGAGAGGUCCGA-GUUCGAUU 59
chr-A8.trna84-Pro-TGG   GGGCAUUGGUCUAGUGGUAUGAUUCUCGCUUUGGGUGCGAGAGGUCCGA-GUUCGAUU 59
chr-A8.trna83-Pro-TGG   GGGCAUUGGUCUAGUGGUAUGAUUCUCGCUUUGGGUGCGAGAGGUCCGA-GUUCGAUU 59
chr-A8.trna82-Pro-TGG   GGGCAUUGGUCUAGUGGUAUGAUUCUCGCUUUGGGUGCGAGAGGUCCGA-GUUCGAUU 59
chr-A8.trna81-Pro-TGG   GGGCAUUGGUCUAGUGGUAUGAUUCUCGCUUUGGGUGCGAGAGGUCCGA-GUUCGAUU 59
chr-A3.trna36-Pro-TGG   GGGCAUUGGUCUAGUGGUAUGAUUCUCGCUUUGGGUGCGAGAGGUCCGA-GUUCGAUU 59
chr-A8.trna79-Pro-TGG   GGGCAUUGGUCUAGUGGUAUGAUUCUCGCUUUGGGUGCGAGAGGUCCGA-GUUCGAUU 59
chr-A8.trna77-Pro-TGG   GGGCAUUGGUCUAGUGGUAUGAUUCUCGCUUUGGGUGCGAGAGGUCCGA-GUUCGAUU 59
chr-A8.trna76-Pro-TGG   GGGCAUUGGUCUAGUGGUAUGAUUCUCGCUUUGGGUGCGAGAGGUCCGA-GUUCGAUU 59
chr-A8.trna90-Pro-TGG   GGGCAUUGGUCUAGUGGUAUGAUUCUCGCUUUGGGUGCGAGAGGUCCGA-GUUCGAUU 59
chr-A7.trna94-Pro-TGG   GGGCAUUGGUCUAGUGGUAUGAUUCUCGCUUUGGGUGCGAGAGGUCCGA-GUUCGAUU 59
chr-A5.trna66-Pro-TGG   GGGCAUUGGUCUAGUGGUAUGAUUCUCGCUUUGGGUGCGAGAGGUCCGA-GUUCGAUU 59
chr-A8.trna91-Pro-TGG   GGGCAUUGGUCUAGUGGUAUGAUUCUCGCUUUGGGUGCGAGAGGUCCGA-GUUCGAUU 59
chr-A7.trna15-Pro-TGG   GGGCAUUGGUCUAGUGGUAUGAUUCUCGCUUUGGGUGCGAGAGGUCCGA-GUUCGAUU 59
chr-A7.trna14-Pro-TGG   GGGCAUUGGUCUAGUGGUAUGAUUCUCGCUUUGGGUGCGAGAGGUCCGA-GUUCGAUU 59
chr-A7.trna13-Pro-TGG   GGGCAUUGGUCUAGUGGUAUGAUUCUCGCUUUGGGUGCGAGAGGUCCGA-GUUCGAUU 59
chr-A7.trna12-Pro-TGG   GGGCAUUGGUCUAGUGGUAUGAUUCUCGCUUUGGGUGCGAGAGGUCCGA-GUUCGAUU 59
chr-A8.trna92-Pro-TGG   GGGCAUUGGUCUAGUGGUAUGAUUCUCGCUUUGGGUGCGAGAGGUCCGA-GUUCGAUU 59
chr-A8.trna93-Pro-TGG   GGGCAUUGGUCUAGUGGUAUGAUUCUCGCUUUGGGUGCGAGAGGUCCGA-GUUCGAUU 59
chr-A5.trna67-Pro-TGG   GGGCAUUGGUCUAGUGGUAUGAUUCUCGCUUUGGGUGCGAGAGGUCCGA-GUUCGAUU 59
chr-A5.trna75-Pro-TGG   GGGCAUUGGUCUAGUGGUAUGAUUCUCGCUUUGGGUGCGAGAGGUCCGA-GUUCGAUU 59
chr-A5.trna71-Pro-TGG   GGGCAUUGGUCUAGUGGUAUGAUUCUCGCUUUGGGUGCGAGAGGUCCGA-GUUCGAUU 59
chr-A5.trna73-Pro-TGG   GGGCAUUGGUCUAGUGGUAUGAUUCUCGCUUUGGGUGCGAGAGGUCCGA-GUUCGAUU 59
chr-A5.trna72-Pro-TGG   GGGCAUUGGUCUAGUGGUAUGAUUCUCGCUUUGGGUGCGAGAGGUCCGA-GUUCGAUU 59
chr-A8.trna85-Pro-TGG   GGGCAUUGGUCUAGUGGUAUGAUUCUUGCUUUGGGUGCGAGAGGUCCGA-GUUCGAUU 59
chr-A1.trna10-Pro-TGG   GGGCGUUGGUCUAGUGGUAUGAUUCUCGCUUUGGGUGCGAGAGGUCCGA-GUUCGAUU 59
chr-A8.trna80-Pro-TGG   GGGCAUUGGUCUAGUGGUAUGAUUCUCGCUUUGGGUGCGAGAGGUCCGA-GUUUGAUU 59
chr-A5.trna74-Pro-TGG   GGGCAUUGGUCUAGUGGUAUGAUUCUCGCUUUGGGUGCGAGAGGUCCGA-GUUUGAUU 59
chr-A5.trna68-Pro-TGG   UGGCAUUGGUCUAGUGGUAUGAUUCUUGCUUUGGGUGCGAGAGGUCCGA-GUUCGAUU 59
chr-A2.trna87-Pro-TGG   GGGCGUUGGUCUAGUGGUAUUAUUCUCGCUUUGGGUGCGAGAGGUCCGA-GUUCGAUU 59
chr-A5.trna76-Pro-TGG   GGGCAUUGGUCUAGUGGUAUGAUUCUUGCUUUGGGUGCGAGAGGUCCUA-GUUCGAUU 59
chr-A1.trna68-Pro-TGG   GGGCGUUGGUCUAGUGGUAUGAUUCUCGCUUUGGGUGCGAGAGGUCCGA-GUUCGCUU 59
chr-A9.trna132-Pro-TGG  GGACAUUGGUCUAGUGGUAUGAUUCUCGCUUUGGGUGCGAGAGGUCCGA-GUUCGAUU 59
chr-A7.trna93-Pro-TGG   GGGCAUUGGUCUAGUGGUAUGAUUCUCGCUUUGGAUGCGAGAGGUACGA-GUUCGAUU 59
chr-A3.trna34-Pro-TGG   UGGCAUUGGUCUAGUGGUAUGAUUCUCGCUUUGGGUGCGAGAGGUCCGA-GUUCGAUU 59
chr-A9.trna133-Pro-TGG  GGGCAUUGGUCUAGUGGUAUGAUUCUCGCUUUGGGUGAGAGAGAUCCGA-GUUUGAUU 59
chr-A5.trna65-Pro-TGG   GGGCAUUGGUCUAGUGGUAUGAUUCUCGCUUUGGGUGCGAGAGGUCCGAUUUUUGAUU 60
chr-A3.trna33-Pro-TGG   GGGCAUUGGUCUAGUGGUAUGAUUCUGGCUUUGGGUGCAAGAGAUCCA--GUUCGAUU 58
                        .........10........20........30........40........50.........
                        ))))))))))...
chr-A8.trna88-Pro-TGG   CUCGGAAUGCCCC-- 72
chr-A2.trna20-Pro-TGG   CUCGGAACGCCCC-- 72
chr-A2.trna58-Pro-TGG   CUCGGAACGCCCC-- 72
chr-A10.trna58-Pro-TGG  CUCGGAACGCCCC-- 72
chr-A10.trna17-Pro-TGG  CUCGGAACGCCCC-- 72
chr-A2.trna100-Pro-TGG  CUCGGAACGCCCC-- 72
chr-A2.trna107-Pro-TGG  CUCGGAACGCCCC-- 72
chr-A3.trna18-Pro-TGG   CUCGGAACGCCCC-- 72
chr-A3.trna24-Pro-TGG   CUCGGAACGCCCC-- 72
chr-A6.trna27-Pro-TGG   CUCGGAACGCCCC-- 72
chr-A8.trna109-Pro-TGG  CUCGGAACGCCCC-- 72
chr-A6.trna62-Pro-TGG   CUCGGAACGCCCC-- 72
chr-A7.trna88-Pro-TGG   CUCGGAACGCCCC-- 72
chr-A8.trna22-Pro-TGG   CUCGGAACGCCCC-- 72
chr-A9.trna137-Pro-TGG  CUCGGAAUGCCCC-- 72
chr-A9.trna136-Pro-TGG  CUCGGAAUGCCCC-- 72
chr-A8.trna87-Pro-TGG   CUCGGAAUGCCCC-- 72
chr-A8.trna86-Pro-TGG   CUCGGAAUGCCCC-- 72
chr-A9.trna134-Pro-TGG  CUCGGAAUGCCCC-- 72
chr-A8.trna84-Pro-TGG   CUCGGAAUGCCCC-- 72
chr-A8.trna83-Pro-TGG   CUCGGAAUGCCCC-- 72
chr-A8.trna82-Pro-TGG   CUCGGAAUGCCCC-- 72
chr-A8.trna81-Pro-TGG   CUCGGAAUGCCCC-- 72
chr-A3.trna36-Pro-TGG   CUCGGAAUGCCCC-- 72
chr-A8.trna79-Pro-TGG   CUCGGAAUGCCCC-- 72
chr-A8.trna77-Pro-TGG   CUCGGAAUGCCCC-- 72
chr-A8.trna76-Pro-TGG   CUCGGAAUGCCCC-- 72
chr-A8.trna90-Pro-TGG   CUCGGAAUGCCCC-- 72
chr-A7.trna94-Pro-TGG   CUCGGAAUGCCCC-- 72
chr-A5.trna66-Pro-TGG   CUCGGAAUGCCCC-- 72
chr-A8.trna91-Pro-TGG   CUCGGAAUGCCCC-- 72
chr-A7.trna15-Pro-TGG   CUCGGAAUGCCCC-- 72
chr-A7.trna14-Pro-TGG   CUCGGAAUGCCCC-- 72
chr-A7.trna13-Pro-TGG   CUCGGAAUGCCCC-- 72
chr-A7.trna12-Pro-TGG   CUCGGAAUGCCCC-- 72
chr-A8.trna92-Pro-TGG   CUCGGAAUGCCCC-- 72
chr-A8.trna93-Pro-TGG   CUCGGAAUGCCCC-- 72
chr-A5.trna67-Pro-TGG   CUCGGAAUGCCCC-- 72
chr-A5.trna75-Pro-TGG   CUCGGAAUGCCCC-- 72
chr-A5.trna71-Pro-TGG   CUCGGAAUGCCCC-- 72
chr-A5.trna73-Pro-TGG   CUCGGAAUGCCCC-- 72
chr-A5.trna72-Pro-TGG   CUCGGAAUGCCCC-- 72
chr-A8.trna85-Pro-TGG   CUCGGAAUGCCCC-- 72
chr-A1.trna10-Pro-TGG   UUCGGAACGCCCC-- 72
chr-A8.trna80-Pro-TGG   CUCGGAAUGCCCC-- 72
chr-A5.trna74-Pro-TGG   CUCGGAAUGCCCC-- 72
chr-A5.trna68-Pro-TGG   CUCGGAAUGCCCC-- 72
chr-A2.trna87-Pro-TGG   CUCGGAACGCCCC-- 72
chr-A5.trna76-Pro-TGG   CUCGGAAUGCCCC-- 72
chr-A1.trna68-Pro-TGG   UUCGGAACGCCCC-- 72
chr-A9.trna132-Pro-TGG  CUCGGAAUGCCCC-- 72
chr-A7.trna93-Pro-TGG   CUCGGAAUGCCCC-- 72
chr-A3.trna34-Pro-TGG   CUCGGAAUGCCCCAU 74
chr-A9.trna133-Pro-TGG  CUCGGAAUACCCG-- 72
chr-A5.trna65-Pro-TGG   CUCGGAAAGCCCC-- 73
chr-A3.trna33-Pro-TGG   CACGGAAUGCCCC-- 71
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