```
                         (((((((.............(((((((((.......)))))).)))(((((.......)
chr-3.trna77-Pro-AGG     GGGCGUUUGGUCUAGUGGUAUGAUUCUCGCUUAGGGUGCGAGAGGUCCCGAGUUCAAUUC 60
chr-1.trna16-Pro-AGG     GGGCGUUUGGUCUAGUGGUAUGAUUCUCGCUUAGGGUGCGAGAGGUCCCGAGUUCAAUUC 60
chr-1.trna188-Pro-AGG    GGGCGUUUGGUCUAGUGGUAUGAUUCUCGCUUAGGGUGCGAGAGGUCCCGAGUUCAAUUC 60
chr-1.trna155-Pro-AGG    GGGCGUUUGGUCUAGUGGUAUGAUUCUCGCUUAGGGUGCGAGAGGUCCCGAGUUCAAUUC 60
chr-5.trna94-Pro-AGG     GGGCAUUUGGUCUAGUGGUAUGAUUCUCGCUUAGGGUGCGAGAGGUCCCGAGUUCAAUUC 60
chr-3.trna69-Pro-AGG     GGGCAUUUGGUCUAGUGGUAUGAUUCUCGCUUAGGGUGCGAGAGGUCCCGAGUUCAAUUC 60
chr-3.trna31-Pro-AGG     GGGCAUUUGGUCUAGUGGUAUGAUUCUCGCUUAGGGUGCGAGAGGUCCCGAGUUCAAUUC 60
chr-2.trna24-Pro-AGG     GGGCAUUUGGUCUAGUGGUAUGAUUCUCGCUUAGGGUGCGAGAGGUCCCGAGUUCAAUUC 60
chr-1.trna49-Pro-AGG     GGGCAUUUGGUCUAGUGGUAUGAUUCUCGCUUAGGGUGCGAGAGGUCCCGAGUUCAAUUC 60
chr-4.trna3-Pro-AGG      GGGCAUUUGGUCUAGUGGUAUGAUUCUCGCUUAGGGUGCGAGAGGUCCCGAGUUCAAUUC 60
chr-3.trna1-Pro-AGG      GGGCAUUUGGUCUAGUGGUAUGAUUCUCGCUUAGGGUGCGAGAGGUCCCGAGUUCAAUUC 60
chr-4.trna15-Pro-AGG     GGGCAUUUGGUCUAGUGGUAUGAUUCUCGCUUAGGGUGCGAGAGGUCCCGAGAUCAAUUC 60
chr-1.trna44-Pro-AGG     UGGCAUUUGGUCUAGUGGUAUGAUUCUCGCUUAGGGUGCGAGAGGUCCCGAGUUCAAUUC 60
chr-1.trna144-Pro-AGG    GGGCAUUUGGUCUAGUGGUAUGAUUCUCGCUUAGGGUGCGAGAGGUCCGGAGUUCAAUUC 60
chr-2.trna28-Pro-AGG     GGGCAUUUGGUCUAGUGGUAUGAUUCUCGCUUAGGGUGCGAGAGGUCCCGAGUUCAAUUC 60
chr-2.trna7-Pro-CGG      GGGUGUUUGGUCUAGUGGUAUGAUUCUCGCUUCGGGUGCGAGAGGUCCCGAGUUCGAUUC 60
chr-3.trna83-Pro-CGG     GGGUGUUUGGUCUAGUGGUAUGAUUCUCGCUUCGGGUGCGAGAGGUCCCGAGUUCGAUUC 60
chr-4.trna41-Pro-CGG     GGGUGUUUGGUCUAGUGGUAUGAUUCUCGCUUCGGGUGCGAGAGGUCCCGAGUUCGAUUC 60
chr-3.trna92-Pro-CGG     GGGUGUUUGGUCUAGUGGUAUGAUUCGCGCUUCGGGUGCGCGAGGUCCCGAGUUCGAUUC 60
chr-1.trna31-Pro-TGG     GGGCGUUUGGUCUAGUGGUAUGAUUCUCGCUUUGGGUGCGAGAGGUCCCGAGUUCGAUUC 60
chr-3.trna28-Pro-TGG     GGGCGUUUGGUCUAGUGGUAUGAUUCUCGCUUUGGGUGCGAGAGGUCCCGAGUUCGAUUC 60
chr-5.trna46-Pro-TGG     GGGCGUUUGGUCUAGUGGUAUGAUUCUCGCUUUGGGUGCGAGAGGUCCCGAGUUCGAUUC 60
chr-5.trna22-Pro-TGG     GGGCGUUUGGUCUAGUGGUAUGAUUCUCGCUUUGGGUGCGAGAGGUCCCGAGUUCGAUUC 60
chr-4.trna58-Pro-TGG     GGGCGUUUGGUCUAGUGGUAUGAUUCUCGCUUUGGGUGCGAGAGGUCCCGAGUUCGAUUC 60
chr-5.trna85-Pro-TGG     GGGCGUUUGGUCUAGUGGUAUGAUUCUCGCUUUGGGUGCGAGAGGUCCCGAGUUCGAUUC 60
chr-4.trna31-Pro-TGG     GGGCGUUUGGUCUAGUGGUAUGAUUCUCGCUUUGGGUGCGAGAGGUCCCGAGUUCGAUUC 60
chr-3.trna29-Pro-TGG     GGGCGUUUGGUCUAGUGGUAUGAUUCUCGCUUUGGGUGCGAGAGGUCCCGAGUUCGAUUC 60
chr-1.trna37-Pro-TGG     GGGCAUUUGGUCUAGUGGUAUGAUUCUCGCUUUGGGUGCGAGAGGUCCCGAGUUCGAUUC 60
chr-1.trna38-Pro-TGG     GGGCAUUUGGUCUAGUGGUAUGAUUCUCGCUUUGGGUGCGAGAGGUCCCGAGUUCGAUUC 60
chr-3.trna90-Pro-TGG     GGGCAUUUGGUCUAGUGGUAUGAUUCUCGCUUUGGGUGCGAGAGGUCCCGAGUUCGAUUC 60
chr-1.trna39-Pro-TGG     GGGCAUUUGGUCUAGUGGUAUGAUUCUCGCUUUGGGUGCGAGAGGUCCCGAGUUCGAUUC 60
chr-1.trna40-Pro-TGG     GGGCAUUUGGUCUAGUGGUAUGAUUCUCGCUUUGGGUGCGAGAGGUCCCGAGUUCGAUUC 60
chr-1.trna41-Pro-TGG     GGGCAUUUGGUCUAGUGGUAUGAUUCUCGCUUUGGGUGCGAGAGGUCCCGAGUUCGAUUC 60
chr-1.trna42-Pro-TGG     GGGCAUUUGGUCUAGUGGUAUGAUUCUCGCUUUGGGUGCGAGAGGUCCCGAGUUCGAUUC 60
chr-1.trna43-Pro-TGG     GGGCAUUUGGUCUAGUGGUAUGAUUCUCGCUUUGGGUGCGAGAGGUCCCGAGUUCGAUUC 60
chr-1.trna46-Pro-TGG     GGGCAUUUGGUCUAGUGGUAUGAUUCUCGCUUUGGGUGCGAGAGGUCCCGAGUUCGAUUC 60
chr-1.trna47-Pro-TGG     GGGCAUUUGGUCUAGUGGUAUGAUUCUCGCUUUGGGUGCGAGAGGUCCCGAGUUCGAUUC 60
chr-2.trna29-Pro-TGG     GGGCAUUUGGUCUAGUGGUAUGAUUCUCGCUUUGGGUGCGAGAGGUCCCGAGUUCGAUUC 60
chr-1.trna48-Pro-TGG     GGGCAUUUGGUCUAGUGGUAUGAUUCUCGCUUUGGGUGCGAGAGGUCCCGAGUUCGAUUC 60
chr-1.trna50-Pro-TGG     GGGCAUUUGGUCUAGUGGUAUGAUUCUCGCUUUGGGUGCGAGAGGUCCCGAGUUCGAUUC 60
chr-2.trna26-Pro-TGG     GGGCAUUUGGUCUAGUGGUAUGAUUCUCGCUUUGGGUGCGAGAGGUCCCGAGUUCGAUUC 60
chr-2.trna25-Pro-TGG     GGGCAUUUGGUCUAGUGGUAUGAUUCUCGCUUUGGGUGCGAGAGGUCCCGAGUUCGAUUC 60
chr-1.trna51-Pro-TGG     GGGCAUUUGGUCUAGUGGUAUGAUUCUCGCUUUGGGUGCGAGAGGUCCCGAGUUCGAUUC 60
chr-2.trna23-Pro-TGG     GGGCAUUUGGUCUAGUGGUAUGAUUCUCGCUUUGGGUGCGAGAGGUCCCGAGUUCGAUUC 60
chr-2.trna22-Pro-TGG     GGGCAUUUGGUCUAGUGGUAUGAUUCUCGCUUUGGGUGCGAGAGGUCCCGAGUUCGAUUC 60
chr-2.trna21-Pro-TGG     GGGCAUUUGGUCUAGUGGUAUGAUUCUCGCUUUGGGUGCGAGAGGUCCCGAGUUCGAUUC 60
chr-1.trna52-Pro-TGG     GGGCAUUUGGUCUAGUGGUAUGAUUCUCGCUUUGGGUGCGAGAGGUCCCGAGUUCGAUUC 60
chr-1.trna53-Pro-TGG     GGGCAUUUGGUCUAGUGGUAUGAUUCUCGCUUUGGGUGCGAGAGGUCCCGAGUUCGAUUC 60
chr-1.trna54-Pro-TGG     GGGCAUUUGGUCUAGUGGUAUGAUUCUCGCUUUGGGUGCGAGAGGUCCCGAGUUCGAUUC 60
chr-1.trna55-Pro-TGG     GGGCAUUUGGUCUAGUGGUAUGAUUCUCGCUUUGGGUGCGAGAGGUCCCGAGUUCGAUUC 60
chr-1.trna56-Pro-TGG     GGGCAUUUGGUCUAGUGGUAUGAUUCUCGCUUUGGGUGCGAGAGGUCCCGAGUUCGAUUC 60
chr-1.trna71-Pro-TGG     GGGCAUUUGGUCUAGUGGUAUGAUUCUCGCUUUGGGUGCGAGAGGUCCCGAGUUCGAUUC 60
chr-1.trna70-Pro-TGG     GGGCAUUUGGUCUAGUGGUAUGAUUCUCGCUUUGGGUGCGAGAGGUCCCGAGUUCGAUUC 60
chr-1.trna69-Pro-TGG     GGGCAUUUGGUCUAGUGGUAUGAUUCUCGCUUUGGGUGCGAGAGGUCCCGAGUUCGAUUC 60
chr-1.trna68-Pro-TGG     GGGCAUUUGGUCUAGUGGUAUGAUUCUCGCUUUGGGUGCGAGAGGUCCCGAGUUCGAUUC 60
chr-1.trna67-Pro-TGG     GGGCAUUUGGUCUAGUGGUAUGAUUCUCGCUUUGGGUGCGAGAGGUCCCGAGUUCGAUUC 60
chr-1.trna65-Pro-TGG     GGGCAUUUGGUCUAGUGGUAUGAUUCUCGCUUUGGGUGCGAGAGGUCCCGAGUUCGAUUC 60
chr-1.trna60-Pro-TGG     GGGCAUUUGGUCUAGUGGUAUGAUUCUCGCUUUGGGUGCGAGAGGUCCCGAGUUCGAUUC 60
chr-1.trna59-Pro-TGG     GGGCAUUUGGUCUAGUGGUAUGAUUCUCGCUUUGGGUGCGAGAGGUCCCGAGUUCGAUUC 60
chr-1.trna58-Pro-TGG     GGGCAUUUGGUCUAGUGGUAUGAUUCUCGCUUUGGGUGCGAGAGGUCCCGAGUUCGAUUC 60
chr-1.trna57-Pro-TGG     GGGCAUUUGGUCUAGUGGUAUGAUUCUCGCUUUGGGUGCGAGAGGUCCCGAGUUCGAUUC 60
chr-2.trna27-Pro-CGG     GGGCAUUUGGUCUAGUGGUAUGAUUCUCGCUUCGGGUGCGAGGGGUCCCGAGUUCGAUUC 60
chr-1.trna45-Pro-TGG     GGGCAUUUGGUCUAGUGGUAUGAUUCUCGCUUUGGGUGCAAGAGGUCCCGAGUUCGAUUC 60
chr-1.trna115-Pro-AGG    GGGCAUUUGGUCUAGUGGUAUGAUUCUCGCUUAGGGUGCGAAAGGUCCCGAGUUCAAUUC 60
chr-1.trna36-Pro-AGG     GGGCAUUUGGUCUAGUGGUAUGAUUCUUGCUUAGGGUGCGAGAGGCCCGGAGCUCAAUUC 60
chr-1.trna35-Pro-TGG     CAGCAUUUGGUCUAGUGGUAUGAUUCUUGCUUUGGGUGCAAGAGGUCCCGAGUUCGAUUC 60
                         .........10........20........30........40........50.........
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chr-3.trna77-Pro-AGG     UCGGAACGCCCC----- 72
chr-1.trna16-Pro-AGG     UCGGAACGCCCC----- 72
chr-1.trna188-Pro-AGG    UCGGAACGCCCC----- 72
chr-1.trna155-Pro-AGG    UCGGAACGCCCC----- 72
chr-5.trna94-Pro-AGG     UCGGAAUGCCCC----- 72
chr-3.trna69-Pro-AGG     UCGGAAUGCCCC----- 72
chr-3.trna31-Pro-AGG     UCGGAAUGCCCC----- 72
chr-2.trna24-Pro-AGG     UCGGAAUGCCCC----- 72
chr-1.trna49-Pro-AGG     UCGGAAUGCCCC----- 72
chr-4.trna3-Pro-AGG      UCGGAAUGCCCC----- 72
chr-3.trna1-Pro-AGG      UCGGAAUGCCCC----- 72
chr-4.trna15-Pro-AGG     UCGGAAUGCCCC----- 72
chr-1.trna44-Pro-AGG     UCGGAAUGCCCC----- 72
chr-1.trna144-Pro-AGG    UCCGAAUGCCCC----- 72
chr-2.trna28-Pro-AGG     UCGGAUUGCCCC----- 72
chr-2.trna7-Pro-CGG      UCGGAACACCCC----- 72
chr-3.trna83-Pro-CGG     UCGGAACACCCC----- 72
chr-4.trna41-Pro-CGG     UCGGAACACCCC----- 72
chr-3.trna92-Pro-CGG     UCGGAACACCCC----- 72
chr-1.trna31-Pro-TGG     UCGGAACGCCCC----- 72
chr-3.trna28-Pro-TGG     UCGGAACGCCCC----- 72
chr-5.trna46-Pro-TGG     UCGGAACGCCCC----- 72
chr-5.trna22-Pro-TGG     UCGGAACGCCCC----- 72
chr-4.trna58-Pro-TGG     UCGGAACGCCCC----- 72
chr-5.trna85-Pro-TGG     UCGGAACGCCCC----- 72
chr-4.trna31-Pro-TGG     UCGGAACGCCCC----- 72
chr-3.trna29-Pro-TGG     UCGGAACGCCCC----- 72
chr-1.trna37-Pro-TGG     UCGGAAUGCCCC----- 72
chr-1.trna38-Pro-TGG     UCGGAAUGCCCC----- 72
chr-3.trna90-Pro-TGG     UCGGAAUGCCCC----- 72
chr-1.trna39-Pro-TGG     UCGGAAUGCCCC----- 72
chr-1.trna40-Pro-TGG     UCGGAAUGCCCC----- 72
chr-1.trna41-Pro-TGG     UCGGAAUGCCCC----- 72
chr-1.trna42-Pro-TGG     UCGGAAUGCCCC----- 72
chr-1.trna43-Pro-TGG     UCGGAAUGCCCC----- 72
chr-1.trna46-Pro-TGG     UCGGAAUGCCCC----- 72
chr-1.trna47-Pro-TGG     UCGGAAUGCCCC----- 72
chr-2.trna29-Pro-TGG     UCGGAAUGCCCC----- 72
chr-1.trna48-Pro-TGG     UCGGAAUGCCCC----- 72
chr-1.trna50-Pro-TGG     UCGGAAUGCCCC----- 72
chr-2.trna26-Pro-TGG     UCGGAAUGCCCC----- 72
chr-2.trna25-Pro-TGG     UCGGAAUGCCCC----- 72
chr-1.trna51-Pro-TGG     UCGGAAUGCCCC----- 72
chr-2.trna23-Pro-TGG     UCGGAAUGCCCC----- 72
chr-2.trna22-Pro-TGG     UCGGAAUGCCCC----- 72
chr-2.trna21-Pro-TGG     UCGGAAUGCCCC----- 72
chr-1.trna52-Pro-TGG     UCGGAAUGCCCC----- 72
chr-1.trna53-Pro-TGG     UCGGAAUGCCCC----- 72
chr-1.trna54-Pro-TGG     UCGGAAUGCCCC----- 72
chr-1.trna55-Pro-TGG     UCGGAAUGCCCC----- 72
chr-1.trna56-Pro-TGG     UCGGAAUGCCCC----- 72
chr-1.trna71-Pro-TGG     UCGGAAUGCCCC----- 72
chr-1.trna70-Pro-TGG     UCGGAAUGCCCC----- 72
chr-1.trna69-Pro-TGG     UCGGAAUGCCCC----- 72
chr-1.trna68-Pro-TGG     UCGGAAUGCCCC----- 72
chr-1.trna67-Pro-TGG     UCGGAAUGCCCC----- 72
chr-1.trna65-Pro-TGG     UCGGAAUGCCCC----- 72
chr-1.trna60-Pro-TGG     UCGGAAUGCCCC----- 72
chr-1.trna59-Pro-TGG     UCGGAAUGCCCC----- 72
chr-1.trna58-Pro-TGG     UCGGAAUGCCCC----- 72
chr-1.trna57-Pro-TGG     UCGGAAUGCCCC----- 72
chr-2.trna27-Pro-CGG     UCGGAAUGCCCC----- 72
chr-1.trna45-Pro-TGG     UCGGAAUGCCCC----- 72
chr-1.trna115-Pro-AGG    UCGGAAUGCCCC----- 72
chr-1.trna36-Pro-AGG     UCGGAAAACCCC----- 72
chr-1.trna35-Pro-TGG     UCGGAAUGCCCCUUUGA 77
                         .........70......
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