```
                        (((((((.............(((((((((.......)))))).)))(((((.......
chr-1.trna39-Pro-TGG    GGGCAUUUGGUCUAGUGGUAUGAUUCUCGCUUUGGGGUGCGAGAGGUCCCGAGU--UCAAU 58
chr-2.trna40-Pro-TGG    GGGCAUUGGGUCUAGUGGUAUGAUUCUCGCUUUGGGGUGCGAGAGGUCCCGAGU--UCAAU 58
chr-1.trna32-Pro-TGG    GGGCGUUUGGUCUAGUGGUAUGAUUCUCGCUUUGGGGUGCGAGAGGUCCCGAGU--UCGAU 58
chr-3.trna58-Pro-TGG    GGGCGUUUGGUCUAGUGGUAUGAUUCUCGCUUUGGGGUGCGAGAGGUCCCGAGU--UCGAU 58
chr-8.trna26-Pro-TGG    GGGCGUUUGGUCUAGUGGUAUGAUUCUCGCUUUGGGGUGCGAGAGGUCCCGAGU--UCGAU 58
chr-8.trna20-Pro-TGG    GGGCGUUUGGUCUAGUGGUAUGAUUCUCGCUUUGGGGUGCGAGAGGUCCCGAGU--UCGAU 58
chr-5.trna5-Pro-TGG     GGGCGUUUGGUCUAGUGGUAUGAUUCUCGCUUUGGGGUGCGAGAGGUCCCGAGU--UCGAU 58
chr-7.trna39-Pro-TGG    GGGCGUUUGGUCUAGUGGUAUGAUUCUCGCUUUGGGGUGCGAGAGGUCCCGAGU--UCGAU 58
chr-6.trna44-Pro-TGG    GGGCGUUUGGUCUAGUGGUAUGAUUCUCGCUUUGGGGUGCGAGAGGUCCCGAGU--UCGAU 58
chr-5.trna6-Pro-TGG     GGGCGUUUGGUCUAGUGGUAUGAUUCUCGCUUUGGGGUGCGAGAGGUCCCGAGU--UCGAU 58
chr-1.trna34-Pro-TGG    GGGCAUUUGGUCUAGUGGUAUGAUUCUCGCUUUGGGGUGCGAGAGGUCCCGAGU--UCGAU 58
chr-6.trna31-Pro-TGG    GGGCAUUUGGUCUAGUGGUAUGAUUCUCGCUUUGGGGUGCGAGAGGUCCCGAGU--UCGAU 58
chr-4.trna27-Pro-TGG    GGGCAUUUGGUCUAGUGGUAUGAUUCUCGCUUUGGGGUGCGAGAGGUCCCGAGU--UCGAU 58
chr-1.trna35-Pro-TGG    GGGCAUUUGGUCUAGUGGUAUGAUUCUCGCUUUGGGGUGCGAGAGGUCCCGAGU--UCGAU 58
chr-1.trna36-Pro-TGG    GGGCAUUUGGUCUAGUGGUAUGAUUCUCGCUUUGGGGUGCGAGAGGUCCCGAGU--UCGAU 58
chr-4.trna22-Pro-TGG    GGGCAUUUGGUCUAGUGGUAUGAUUCUCGCUUUGGGGUGCGAGAGGUCCCGAGU--UCGAU 58
chr-4.trna21-Pro-TGG    GGGCAUUUGGUCUAGUGGUAUGAUUCUCGCUUUGGGGUGCGAGAGGUCCCGAGU--UCGAU 58
chr-4.trna20-Pro-TGG    GGGCAUUUGGUCUAGUGGUAUGAUUCUCGCUUUGGGGUGCGAGAGGUCCCGAGU--UCGAU 58
chr-1.trna38-Pro-TGG    GGGCAUUUGGUCUAGUGGUAUGAUUCUCGCUUUGGGGUGCGAGAGGUCCCGAGU--UCGAU 58
chr-1.trna40-Pro-TGG    GGGCAUUUGGUCUAGUGGUAUGAUUCUCGCUUUGGGGUGCGAGAGGUCCCGAGU--UCGAU 58
chr-1.trna41-Pro-TGG    GGGCAUUUGGUCUAGUGGUAUGAUUCUCGCUUUGGGGUGCGAGAGGUCCCGAGU--UCGAU 58
chr-1.trna42-Pro-TGG    GGGCAUUUGGUCUAGUGGUAUGAUUCUCGCUUUGGGGUGCGAGAGGUCCCGAGU--UCGAU 58
chr-1.trna44-Pro-TGG    GGGCAUUUGGUCUAGUGGUAUGAUUCUCGCUUUGGGGUGCGAGAGGUCCCGAGU--UCGAU 58
chr-1.trna46-Pro-TGG    GGGCAUUUGGUCUAGUGGUAUGAUUCUCGCUUUGGGGUGCGAGAGGUCCCGAGU--UCGAU 58
chr-1.trna75-Pro-TGG    GGGCAUUUGGUCUAGUGGUAUGAUUCUCGCUUUGGGGUGCGAGAGGUCCCGAGU--UCGAU 58
chr-1.trna74-Pro-TGG    GGGCAUUUGGUCUAGUGGUAUGAUUCUCGCUUUGGGGUGCGAGAGGUCCCGAGU--UCGAU 58
chr-1.trna48-Pro-TGG    GGGCAUUUGGUCUAGUGGUAUGAUUCUCGCUUUGGGGUGCGAGAGGUCCCGAGU--UCGAU 58
chr-1.trna49-Pro-TGG    GGGCAUUUGGUCUAGUGGUAUGAUUCUCGCUUUGGGGUGCGAGAGGUCCCGAGU--UCGAU 58
chr-1.trna70-Pro-TGG    GGGCAUUUGGUCUAGUGGUAUGAUUCUCGCUUUGGGGUGCGAGAGGUCCCGAGU--UCGAU 58
chr-1.trna69-Pro-TGG    GGGCAUUUGGUCUAGUGGUAUGAUUCUCGCUUUGGGGUGCGAGAGGUCCCGAGU--UCGAU 58
chr-1.trna68-Pro-TGG    GGGCAUUUGGUCUAGUGGUAUGAUUCUCGCUUUGGGGUGCGAGAGGUCCCGAGU--UCGAU 58
chr-1.trna50-Pro-TGG    GGGCAUUUGGUCUAGUGGUAUGAUUCUCGCUUUGGGGUGCGAGAGGUCCCGAGU--UCGAU 58
chr-1.trna66-Pro-TGG    GGGCAUUUGGUCUAGUGGUAUGAUUCUCGCUUUGGGGUGCGAGAGGUCCCGAGU--UCGAU 58
chr-1.trna65-Pro-TGG    GGGCAUUUGGUCUAGUGGUAUGAUUCUCGCUUUGGGGUGCGAGAGGUCCCGAGU--UCGAU 58
chr-1.trna64-Pro-TGG    GGGCAUUUGGUCUAGUGGUAUGAUUCUCGCUUUGGGGUGCGAGAGGUCCCGAGU--UCGAU 58
chr-1.trna51-Pro-TGG    GGGCAUUUGGUCUAGUGGUAUGAUUCUCGCUUUGGGGUGCGAGAGGUCCCGAGU--UCGAU 58
chr-1.trna62-Pro-TGG    GGGCAUUUGGUCUAGUGGUAUGAUUCUCGCUUUGGGGUGCGAGAGGUCCCGAGU--UCGAU 58
chr-1.trna60-Pro-TGG    GGGCAUUUGGUCUAGUGGUAUGAUUCUCGCUUUGGGGUGCGAGAGGUCCCGAGU--UCGAU 58
chr-1.trna59-Pro-TGG    GGGCAUUUGGUCUAGUGGUAUGAUUCUCGCUUUGGGGUGCGAGAGGUCCCGAGU--UCGAU 58
chr-1.trna58-Pro-TGG    GGGCAUUUGGUCUAGUGGUAUGAUUCUCGCUUUGGGGUGCGAGAGGUCCCGAGU--UCGAU 58
chr-1.trna57-Pro-TGG    GGGCAUUUGGUCUAGUGGUAUGAUUCUCGCUUUGGGGUGCGAGAGGUCCCGAGU--UCGAU 58
chr-1.trna56-Pro-TGG    GGGCAUUUGGUCUAGUGGUAUGAUUCUCGCUUUGGGGUGCGAGAGGUCCCGAGU--UCGAU 58
chr-1.trna55-Pro-TGG    GGGCAUUUGGUCUAGUGGUAUGAUUCUCGCUUUGGGGUGCGAGAGGUCCCGAGU--UCGAU 58
chr-1.trna54-Pro-TGG    GGGCAUUUGGUCUAGUGGUAUGAUUCUCGCUUUGGGGUGCGAGAGGUCCCGAGU--UCGAU 58
chr-1.trna52-Pro-TGG    GGGCAUUUGGUCUAGUGGUAUGAUUCUCGCUUUGGGGUGCGAGAGGUCCCGAGU--UCGAU 58
chr-1.trna72-Pro-TGG    GGGCAUUUGAUCUAGUGGUAUGAUUCUCGCUUUGGGGUGCGAGAGGUCCCGAGU--UCGAU 58
chr-4.trna25-Pro-TGG    GGGCAUUUGGUCUAGUGGUAUGAUUCUCGCUUUGGGGUGCGAGAGGUCCCGAGU--UCGAU 58
chr-1.trna73-Pro-TGG    GGGCAUUUGGUCUAGUGGUAUGAUUCUCGCUUUGGGGUGCGAGAGGUCCCGAGU--UCGAU 58
chr-1.trna53-Pro-TGG    AGGCAUUUGGUCUAGUGGUAUGAUUCUCGCUUUGGGGUGCGAGAUGUCCCGAGU--UCGAU 58
chr-1.trna63-Pro-TGG    GGGCAUUUGGUCUAGUGGUAUGAUUCUCGCUUUGGGGUGCGAGAGGUCCCGAGU--UCGAU 58
chr-4.trna18-Pro-TGG    GGGCAUUUGGUCUAGUGGUAUGAUUCUCGCUUUGGGGUGCGAGAGGUCCCGAGU--UUGAU 58
chr-4.trna26-Pro-TGG    GGACAUUUGGUCUAGUGGUAUGAUUCUCGCUUUGGGGUGCGAGAGGUCCCGAGU--UCGAU 58
chr-4.trna19-Pro-TGG    GGGCCUUUGGUCUAGUGGUAUGAUUCUCGCUUUGGGGUGCGAGAGGUCCUGAGU--UCAAU 58
chr-4.trna15-Pro-TGG    GGGCAUCUGGUCUAGUGGUAUGAUUCUCGCUUUGGGGUGCGAGAGGUCCCGAGUUCUCGAU 60
chr-4.trna13-Pro-TGG    GGGCAUUUGGUCUAGUGGUAUGAUUCUGGCUUUGGGGUGCGAGAGAUCCCGAGU--UUGAU 58
chr-1.trna67-Pro-TGG    GCAUUUGG--UCUAGUGGUAUGAUUCUCGCUUUGGGGUGCGAGAGGUCCUGAGU--UUGAU 56
chr-7.trna40-Pro-TGG    GUGC------UCUAGUGGUAUGAUUCUCGCUUUGGGGUGCGAGAGGUCCCGAGU--UCGAU 52
                        .........10........20........30........40........50.........

                        .)))))..)))))))).
chr-1.trna39-Pro-TGG    UCUCG--GAAUGCCCC 72
chr-2.trna40-Pro-TGG    UCUCG--GAAUGCGCC 72
chr-1.trna32-Pro-TGG    UCUCG--GAACGCCCC 72
chr-3.trna58-Pro-TGG    UCUCG--GAACGCCCC 72
chr-8.trna26-Pro-TGG    UCUCG--GAACGCCCC 72
chr-8.trna20-Pro-TGG    UCUCG--GAACGCCCC 72
chr-5.trna5-Pro-TGG     UCUCG--GAACGCCCC 72
chr-7.trna39-Pro-TGG    UCUCG--GAACGCCCC 72
chr-6.trna44-Pro-TGG    UCUCG--GAACGCCCC 72
chr-5.trna6-Pro-TGG     UCUCG--GAACGCCCC 72
chr-1.trna34-Pro-TGG    UCUCG--GAAUGCCCC 72
chr-6.trna31-Pro-TGG    UCUCG--GAAUGCCCC 72
chr-4.trna27-Pro-TGG    UCUCG--GAAUGCCCC 72
chr-1.trna35-Pro-TGG    UCUCG--GAAUGCCCC 72
chr-1.trna36-Pro-TGG    UCUCG--GAAUGCCCC 72
chr-4.trna22-Pro-TGG    UCUCG--GAAUGCCCC 72
chr-4.trna21-Pro-TGG    UCUCG--GAAUGCGCC 72
chr-4.trna20-Pro-TGG    UCUCG--GAAUGCCCC 72
chr-1.trna38-Pro-TGG    UCUCG--GAAUGCCCC 72
chr-1.trna40-Pro-TGG    UCUCG--GAAUGCCCC 72
chr-1.trna41-Pro-TGG    UCUCG--GAAUGCCCC 72
chr-1.trna42-Pro-TGG    UCUCG--GAAUGCCCC 72
chr-1.trna44-Pro-TGG    UCUCG--GAAUGCCCC 72
chr-1.trna46-Pro-TGG    UCUCG--GAAUGCCCC 72
chr-1.trna75-Pro-TGG    UCUCG--GAAUGCCCC 72
chr-1.trna74-Pro-TGG    UCUCG--GAAUGCCCC 72
chr-1.trna48-Pro-TGG    UCUCG--GAAUGCCCC 72
chr-1.trna49-Pro-TGG    UCUCG--GAAUGCCCC 72
chr-1.trna70-Pro-TGG    UCUCG--GAAUGCCCC 72
chr-1.trna69-Pro-TGG    UCUCG--GAAUGCCCC 72
chr-1.trna68-Pro-TGG    UCUCG--GAAUGCCCC 72
chr-1.trna50-Pro-TGG    UCUCG--GAAUGCCCC 72
chr-1.trna66-Pro-TGG    UCUCG--GAAUGCCCC 72
chr-1.trna65-Pro-TGG    UCUCG--GAAUGCCCC 72
chr-1.trna64-Pro-TGG    UCUCG--GAAUGCCCC 72
chr-1.trna51-Pro-TGG    UCUCG--GAAUGCCCC 72
chr-1.trna62-Pro-TGG    UCUCG--GAAUGCCCC 72
chr-1.trna60-Pro-TGG    UCUCG--GAAUGCCCC 72
chr-1.trna59-Pro-TGG    UCUCG--GAAUGCCCC 72
chr-1.trna58-Pro-TGG    UCUCG--GAAUGCCCC 72
chr-1.trna57-Pro-TGG    UCUCG--GAAUGCCCC 72
chr-1.trna56-Pro-TGG    UCUCG--GAAUGCCCC 72
chr-1.trna55-Pro-TGG    UCUCG--GAAUGCCCC 72
chr-1.trna54-Pro-TGG    UCUCG--GAAUGCCCC 72
chr-1.trna52-Pro-TGG    UCUCG--GAAUGCCCC 72
chr-1.trna72-Pro-TGG    UCUCG--GAAUGCCCC 72
chr-4.trna25-Pro-TGG    UCUCU--GAAUGCCCC 72
chr-1.trna73-Pro-TGG    UCUCC--GAAUGCCCC 72
chr-1.trna53-Pro-TGG    UCUCG--GAAUGCGCC 72
chr-1.trna63-Pro-TGG    UCUCG--GAAUCCCCC 72
chr-4.trna18-Pro-TGG    UCUCG--GAAUGGCCC 72
chr-4.trna26-Pro-TGG    UCUCG--GAAUGCCCC 72
chr-4.trna19-Pro-TGG    UCUCG--GAAUGCCCC 72
chr-4.trna15-Pro-TGG    UCUCG--GAAUGCCCC 74
chr-4.trna13-Pro-TGG    UCUCA--AAAUGCCCC 72
chr-1.trna67-Pro-TGG    UCUCGCUUUAGGUGCG 72
chr-7.trna40-Pro-TGG    UCUCG------GAACG 62
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                        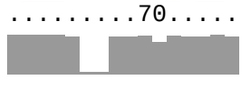
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