```
                                (((((((...(((...))).....(((((((((.......))))))).)))(((((....
chr-9.trna16-Pro-TGG    CGAGGUGUAGCGCAGUCUGGUC-AGCGCAUCUGUUUGGGUACAGAGGGCCAUAGGUUCG 59
chr-11.trna53-Pro-TGG   CGAGGUGUAGCGCAGUCUGGUC-AGUGCAUCUGUUUGGCUACAGAGGGCCAUAGGUUCG 59
chr-4.trna21-Pro-TGG    CGAGGUGUAGCACAGUCUGGUC-AAUGCAUCUGUUUGGGUAUAGAGGGCCAUAGGUUCG 59
chr-1.trna29-Pro-TGG    CGAGGUGUAGCGCAGUCUGGUCAAAAGCAUCUGUUUGGGUACAGAGGGCCAUAGGUUCA 60
chr-4.trna24-Pro-TGG    GGAGGUGUAGCACAGUCUAGUC-AGCACAUCUGUUUGGGUACAGAAGGCCAUAGGUUCG 59
chr-8.trna58-Pro-TGG    AGGGAUGUGGCGCAGCUUGGU--AGCGCGUCUGUUUGGGUACAAAAUGUCACGGGUUCA 58
chr-11.trna8-Pro-TGG    AGGGAUGUGGCGCAGCUUGGU--AGCGCGUUUGUUUGGAUACAAAAUGUCACGGGUUCG 58
chr-10.trna34-Pro-AGG   GGGCAUUUGGUCUAG--UGGU--AUGAUUCUCGCUUAGGGUGCAAGAGGUCCCAAGUUCA 56
chr-10.trna32-Pro-AGG   GGGCAUUUGGUCUAG--UGGU--AUGAUUCUCGCUUAGGGUGCAAGAGGUCCCGAGUUCA 56
chr-6.trna9-Pro-TGG     GGGCGUUUGGUCUAG--UGGU--AUGAUUCUCGCUUUGGGUGCGAGAGGUCCCGAGUUCG 56
chr-10.trna70-Pro-AGG   GGGCAUUUGGUCUAG--UGGU--AUGAUUCUCGCUUAGGGUGCGAGAGGUCCCGAGUUCA 56
chr-10.trna62-Pro-AGG   GGGCAUUUGGUCUAG--UGGU--AUGAUUCUCGCUUAGGGUGCGAGAGGUCCCGAGUUCA 56
chr-10.trna61-Pro-AGG   GGGCAUUUGGUCUAG--UGGU--AUGAUUCUCGCUUAGGGUGCGAGAGGUCCCGAGUUCA 56
chr-9.trna13-Pro-AGG    GGGCAUUUGGUCUAG--UGGU--AUGAUUCUCGCUUAGGGUGCGAGAGGUCCCGAGUUCA 56
chr-9.trna3-Pro-AGG     GGGCAUUUGGUCUAG--UGGU--AUGAUUCUCGCUUAGGGUGCGAGAGGUCCCGAGUUCA 56
chr-10.trna36-Pro-AGG   GGGCAUUUGGUCUAG--UGGU--AUGAUUCUCGCUUAGGGUGCGAGAGGUCCCGAGUUCA 56
chr-6.trna83-Pro-AGG    GGGCAUUUGGUCUAG--UGGU--AUGAUUCUCGCUUAGGGUGCGAGAGGUCCCGAGUUCA 56
chr-9.trna23-Pro-AGG    GGGCAUUUGGUCUAG--UGGU--AUGAUUCUCGCUUAGGGUGCGAGAGGUCCCGAGUUCA 56
chr-1.trna107-Pro-AGG   GGGCAUUUGGUCUAG--UGGU--AUGAUUCUCGCUUAGGGUGCGAGAGGUCCCGAGUUCA 56
chr-10.trna29-Pro-AGG   GGGCAUUUGGUCUAG--UGGU--AUGAUUCUCGCUUAGGGUGCGAGAGGUCCCGAGUUCA 56
chr-2.trna81-Pro-AGG    GGGCAUUUGGUCUAG--UGGU--AUGAUUCUCGCUUAGGGUGCGAGAGGUCCCGAGUUCA 56
chr-5.trna71-Pro-AGG    GGGCAUUUGGUCUAG--UGGU--AUGAUUCUCGCUUAGGGUGCGAGAGGUCCCGAGUUCA 56
chr-5.trna46-Pro-AGG    GGGCAUUUGGUCUAG--UGGU--AUGAUUCUCGCUUAGGGUGCGAGAGGUCCCGAGUUCA 56
chr-11.trna29-Pro-AGG   GGGCAUUUGGUCUAG--UGGU--AUGAUUCUCGCUUAGGGUGCGAGAGGUCCCGAGUUCA 56
chr-3.trna49-Pro-AGG    GGGCAUUUGGUCUAG--UGGU--AUGAUUCUCGCUUAGGGUGCGAGAGGUCCCGAGUUCA 56
chr-4.trna10-Pro-AGG    GGGCAUUUGGUCUAG--UGGU--AUGAUUCUCGCUUAGGGUGCGAGAGGUCCCGAGUUCA 56
chr-4.trna34-Pro-AGG    GGGCAUUUGGUCUAG--UGGU--AUGAUUCUCGCUUAGGGUGUGAGAGGUCCCGAGUUCA 56
chr-10.trna40-Pro-AGG   GGGCACUUGGUCUAG--UGGU--AUGAUUCUCGCUUAGGGUGCGAGAGGUCCCGAGUUCA 56
chr-6.trna10-Pro-TGG    GGGCGUUUGGUCUAG--UGGU--AUGAUUCUCGCUUUGGGUGCGAGAGGUCCCGAGUUCG 56
chr-6.trna11-Pro-TGG    GGGCGUUUGGUCUAG--UGGU--AUGAUUCUCGCUUUGGGUGCGAGAGGUCCCGAGUUCG 56
chr-12.trna10-Pro-TGG   GGGCGUUUGGUCUAG--UGGU--AUGAUUCUCGCUUUGGGUGCGAGAGGUCCCGAGUUCG 56
chr-9.trna32-Pro-TGG    GGGCGUUUGGUCUAG--UGGU--AUGAUUCUCGCUUUGGGUGCGAGAGGUCCCGAGUUCG 56
chr-9.trna33-Pro-TGG    GGGCGUUUGGUCUAG--UGGU--AUGAUUCUCGCUUUGGGUGCGAGAGGUCCCGAGUUCG 56
chr-1.trna35-Pro-TGG    GGGCAUUUGGUCUAG--UGGU--AUGAUUCUCGCUUUGGGUGCGAGAGGUCCCGAGUUCG 56
chr-1.trna59-Pro-TGG    GGGCAUUUGGUCUAG--UGGU--AUGAUUCUCGCUUUGGGUGCGAGAGGUCCCGAGUUCG 56
chr-1.trna61-Pro-TGG    GGGCAUUUGGUCUAG--UGGU--AUGAUUCUCGCUUUGGGUGCGAGAGGUCCCGAGUUCG 56
chr-1.trna62-Pro-TGG    GGGCAUUUGGUCUAG--UGGU--AUGAUUCUCGCUUUGGGUGCGAGAGGUCCCGAGUUCG 56
chr-1.trna63-Pro-TGG    GGGCAUUUGGUCUAG--UGGU--AUGAUUCUCGCUUUGGGUGCGAGAGGUCCCGAGUUCG 56
chr-1.trna64-Pro-TGG    GGGCAUUUGGUCUAG--UGGU--AUGAUUCUCGCUUUGGGUGCGAGAGGUCCCGAGUUCG 56
chr-1.trna66-Pro-TGG    GGGCAUUUGGUCUAG--UGGU--AUGAUUCUCGCUUUGGGUGCGAGAGGUCCCGAGUUCG 56
chr-10.trna39-Pro-TGG   GGGCAUUUGGUCUAG--UGGU--AUGAUUCUCGCUUUGGGUGCGAGAGGUCCCGAGUUCG 56
chr-1.trna67-Pro-TGG    GGGCAUUUGGUCUAG--UGGU--AUGAUUCUCGCUUUGGGUGCGAGAGGUCCCGAGUUCG 56
chr-10.trna37-Pro-TGG   GGGCAUUUGGUCUAG--UGGU--AUGAUUCUCGCUUUGGGUGCGAGAGGUCCCGAGUUCG 56
chr-1.trna70-Pro-TGG    GGGCAUUUGGUCUAG--UGGU--AUGAUUCUCGCUUUGGGUGCGAGAGGUCCCGAGUUCG 56
chr-10.trna35-Pro-TGG   GGGCAUUUGGUCUAG--UGGU--AUGAUUCUCGCUUUGGGUGCGAGAGGUCCCGAGUUCG 56
chr-2.trna37-Pro-TGG    GGGCAUUUGGUCUAG--UGGU--AUGAUUCUCGCUUUGGGUGCGAGAGGUCCCGAGUUCG 56
chr-10.trna33-Pro-TGG   GGGCAUUUGGUCUAG--UGGU--AUGAUUCUCGCUUUGGGUGCGAGAGGUCCCGAGUUCG 56
chr-2.trna38-Pro-TGG    GGGCAUUUGGUCUAG--UGGU--AUGAUUCUCGCUUUGGGUGCGAGAGGUCCCGAGUUCG 56
chr-10.trna31-Pro-TGG   GGGCAUUUGGUCUAG--UGGU--AUGAUUCUCGCUUUGGGUGCGAGAGGUCCCGAGUUCG 56
chr-10.trna30-Pro-TGG   GGGCAUUUGGUCUAG--UGGU--AUGAUUCUCGCUUUGGGUGCGAGAGGUCCCGAGUUCG 56
chr-3.trna28-Pro-TGG    GGGCAUUUGGUCUAG--UGGU--AUGAUUCUCGCUUUGGGUGCGAGAGGUCCCGAGUUCG 56
chr-10.trna28-Pro-TGG   GGGCAUUUGGUCUAG--UGGU--AUGAUUCUCGCUUUGGGUGCGAGAGGUCCCGAGUUCG 56
chr-4.trna39-Pro-TGG    GGGCAUUUGGUCUAG--UGGU--AUGAUUCUCGCUUUGGGUGCGAGAGGUCCCGAGUUCG 56
chr-12.trna36-Pro-TGG   GGGCAUUUGGUCUAG--UGGU--AUGAUUCUCGCUUUGGGUGCGAGAGGUCCCGAGUUCG 56
chr-6.trna81-Pro-TGG    GGGCAUUUGGUCUAG--UGGU--AUGAUUCUCGCUUUGGGUGCGAGAGGUCCCGAGUUCG 56
chr-1.trna69-Pro-TGG    GGGCAUUUGGUCUAG--UGGU--AUGAUUCUCGCUUUGGGUGCGAGAGGUCCCGAGUUCA 56
chr-1.trna60-Pro-CGG    GGGCGUUUGGUCUAG--UGGU--AUGAUUCUCGCUUCGGGUGCGAGAGGUCCCGAGUUCG 56
chr-1.trna65-Pro-CGG    GGGCAUUUGGUCUAG--UGGU--AUGAUUCUCGCUUCGGGUGCGAGAGGUCCCGAGUUCG 56
chr-10.trna27-Pro-CGG   GGGCAUUUGGUCUAG--UGGU--AUGAUUCUCGCUUCGGGUGCGAGAGGUCCCGAGUUCG 56
chr-1.trna81-Pro-CGG    GGGUGUUUGGUCUAG--UGGU--AUGAUUCUCGCUUCGGGUGCGAGAGGUCGUGAGUUCG 56
chr-1.trna97-Pro-CGG    GGGUGUUUGGUCUAG--UGGU--AUGAUUCUCGCUUCGGGUGCGAGAGGUCGUGAGUUCG 56
chr-2.trna35-Pro-CGG    GGGUGUUUGGUCUAG--UGGU--AUGAUUCUCGCUUCGGGUGCGAGAGGUCGUGAGUUCG 56
chr-1.trna68-Pro-TGG    GGGCAUUUGGUCUAG--UGGU--AUGAUUCUCGCUUUGGGUGCGAGAGGUCCCGAGUUCG 56
chr-10.trna41-Pro-TGG   GGGCAUUUGGUCUAG--UGGU--AUGAUUCUCGCUUUGGGUGCGAGAAGUCCCGAGUUCG 56
chr-10.trna38-Pro-TGG   GGGCAUUUGGUCUAG--UGGU--AUGAUUCAUGUUUUGGGUGCGAGAGGUCCCAAAUUCA 56
chr-10.trna43-Pro-TGG   GCACAUAUGGUCUAG--UGGU--AUGAUUCUCGCUUUGGGUGCGAGAGGUCCCCAGUUCA 56
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chr-9.trna16-Pro-TGG    AAUCCUGUCAAC-UUGA 75
chr-11.trna53-Pro-TGG   AAUCCUGUCACC-UUGA 75
chr-4.trna21-Pro-TGG    AAUCCUGUCACC-UUGA 75
chr-1.trna29-Pro-TGG    AAUCCUAUCACC-UUGA 76
chr-4.trna24-Pro-TGG    AAUCAUGUCACC-UUGA 75
chr-8.trna58-Pro-TGG    AAUCCUGUCAUC-CCUA 74
chr-11.trna8-Pro-TGG    AAUCCUGUCAUC-CCUA 74
chr-10.trna34-Pro-AGG   AUUCUCGGAAUG-CCCC 72
chr-10.trna32-Pro-AGG   AUUCUCGGAAUG-CCCC 72
chr-6.trna9-Pro-TGG     AUUCUCGCAACG-CCCC 72
chr-10.trna70-Pro-AGG   AUUCUCGGAAUG-CCCC 72
chr-10.trna62-Pro-AGG   AUUCUCGGAAUG-CCCC 72
chr-10.trna61-Pro-AGG   AUUCUCGGAAUG-CCCC 72
chr-9.trna13-Pro-AGG    AUUCUCGGAAUG-CCCC 72
chr-9.trna3-Pro-AGG     AUUCUCGGAAUG-CCCC 72
chr-10.trna36-Pro-AGG   AUUCUCGGAAUG-CCCC 72
chr-6.trna83-Pro-AGG    AUUCUCGGAAUG-CCCC 72
chr-9.trna23-Pro-AGG    AUUCUCGGAAUG-CCCC 72
chr-1.trna107-Pro-AGG   AUUCUCGGAAUG-CCCC 72
chr-10.trna29-Pro-AGG   AUUCUCGGAAUG-CCCC 72
chr-2.trna81-Pro-AGG    AUUCUCGGAAUG-CCCC 72
chr-5.trna71-Pro-AGG    AUUCUCGGAAUG-CCCC 72
chr-5.trna46-Pro-AGG    AUUCUCGGAAUG-CCCC 72
chr-11.trna29-Pro-AGG   AUUCUCGGAAUG-CCCC 72
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chr-4.trna34-Pro-AGG    AUUCUCGGAAUG-CCCC 72
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chr-6.trna10-Pro-TGG    AUUCUCGGAACG-CCCC 72
chr-6.trna11-Pro-TGG    AUUCUCGGAACG-CCCC 72
chr-12.trna10-Pro-TGG   AUUCUCGGAACG-CCCC 72
chr-9.trna32-Pro-TGG    AUUCUCGGAACG-CCCC 72
chr-9.trna33-Pro-TGG    AUUCUCGGAACG-CCCC 72
chr-1.trna35-Pro-TGG    AUUCUCGGAAUG-CCCC 72
chr-1.trna59-Pro-TGG    AUUCUCGGAAUG-CCCC 72
chr-1.trna61-Pro-TGG    AUUCUCGGAAUG-CCCC 72
chr-1.trna62-Pro-TGG    AUUCUCGGAAUG-CCCC 72
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chr-1.trna64-Pro-TGG    AUUCUCGGAAUG-CCCC 72
chr-1.trna66-Pro-TGG    AUUCUCGGAAUG-CCCC 72
chr-10.trna39-Pro-TGG   AUUCUCGGAAUG-CCCC 72
chr-1.trna67-Pro-TGG    AUUCUCGGAAUG-CCCC 72
chr-10.trna37-Pro-TGG   AUUCUCGGAAUG-CCCC 72
chr-1.trna70-Pro-TGG    AUUCUCGGAAUG-CCCC 72
chr-10.trna35-Pro-TGG   AUUCUCGGAAUG-CCCC 72
chr-2.trna37-Pro-TGG    AUUCUCGGAAUG-CCCC 72
chr-10.trna33-Pro-TGG   AUUCUCGGAAUG-CCCC 72
chr-2.trna38-Pro-TGG    AUUCUCGGAAUG-CCCC 72
chr-10.trna31-Pro-TGG   AUUCUCGGAAUG-CCCC 72
chr-10.trna30-Pro-TGG   AUUCUCGGAAUG-CCCC 72
chr-3.trna28-Pro-TGG    AUUCUCGGAAUG-CCCC 72
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chr-4.trna39-Pro-TGG    AUUCUCGGAAUG-CCCC 72
chr-12.trna36-Pro-TGG   AUUCUCGGAAUG-CCCC 72
chr-6.trna81-Pro-TGG    AUUCUCGGAAUG-CCCC 72
chr-1.trna69-Pro-TGG    AUUCUCGGAAUG-CCCC 72
chr-1.trna60-Pro-CGG    AUUCCCGGAACG-CCCC 72
chr-1.trna65-Pro-CGG    AUUCCCGGAAUG-CCCC 72
chr-10.trna27-Pro-CGG   AUUCCCGGAAUG-CCCC 72
chr-1.trna81-Pro-CGG    AUUCUCGCAACA-CCCC 72
chr-1.trna97-Pro-CGG    AUUCUCGCAACA-CCCC 72
chr-2.trna35-Pro-CGG    AUUCUCGCAACA-CCCC 72
chr-1.trna68-Pro-TGG    AUUCUCGGAAUG-ACCC 72
chr-10.trna41-Pro-TGG   AUUCUCCGAAUGACCCA 73
chr-10.trna38-Pro-TGG   AUUUUUGGAGUGACCCA 73
chr-10.trna43-Pro-TGG   AUU-UCGGAA---UGCC 69
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