```
                        (((((((...(.(.....)).....(((((((((.......)))))).)))(((((.....
chr-1.trna58-Pro-TGG    GGGCAUUUGGU-C-UAGUGGU-AUGAUUCUCGCUUUGGGUGCGAGAGGUCCGGAGUUCGA 57
chr-1.trna59-Pro-TGG    GGGCAUUUGGU-C-UAGUGGU-AUGAUUCUCGCUUUGGGUGCGAGAGGUCCGGAGUUCGA 57
chr-4.trna101-Pro-TGG   GGGCAUUUGGU-C-UAGUGGU-AUGAUUCUCGCUUUGGGUGCGAGAGGUCCGGAGUUCGA 57
chr-3.trna86-Pro-TGG    GGGCAUUUGGU-C-UAGUGGU-AUGAUUCUCGCUUUGGGUGCGAGAGGUCCGGAGUUCGA 57
chr-3.trna69-Pro-TGG    GGGCAUUUGGU-C-UAGUGGU-AUGAUUCUCGCUUUGGGUGCGAGAGGUCCGGAGUUCGA 57
chr-1.trna60-Pro-TGG    GGGCAUUUGGU-C-UAGUGGU-AUGAUUCUCGCUUUGGGUGCGAGAGGUCCGGAGUUCGA 57
chr-3.trna37-Pro-TGG    GGGCAUUUGGU-C-UAGUGGU-AUGAUUCUCGCUUUGGGUGCGAGAGGUCCGGAGUUCGA 57
chr-1.trna8-Pro-TGG     GGGCAUUUGGU-C-UAGUGGU-AUGAUUCUCGCUUUGGGUGCGAGAGGUCCGGAGUUCGA 57
chr-1.trna63-Pro-TGG    GGGCAUUUGGU-C-UAGUGGU-AUGAUUCUCGCUUUGGGUGCGAGAGGUCCGGAGUUCGA 57
chr-2.trna96-Pro-TGG    GGGCAUUUGGU-C-UAGUGGU-AUGAUUCUCGCUUUGGGUGCGAGAGGUCCGGAGUUCGA 57
chr-1.trna69-Pro-TGG    GGGCAUUUGGU-C-UAGUGGU-AUGAUUCUCGCUUUGGGUGCGAGAGGUCCGGAGUUCGA 57
chr-1.trna72-Pro-TGG    GGGCAUUUGGU-C-UAGUGGU-AUGAUUCUCGCUUUGGGUGCGAGAGGUCCGGAGUUCGA 57
chr-6.trna67-Pro-TGG    GGGCAUUUGGU-C-UAGUGGU-AUGAUUCUCGCUUUGGGUGCGAGAGGUCCGGAGUUCGA 57
chr-2.trna14-Pro-TGG    GGGCAUUUGGU-C-UAGUGGU-AUGAUUCUCGCUUUGGGUGCGAGAGGUCCGGAGUUCGA 57
chr-2.trna12-Pro-TGG    GGGCAUUUGGU-C-UAGUGGU-AUGAUUCUCGCUUUGGGUGCGAGAGGUCCGGAGUUCGA 57
chr-1.trna62-Pro-TGG    GGGCAUUUGGU-C-UAGUGGU-AUGAUUCUCGCUUUGGGUGCGAGAGGUCCCGAGUUCGA 57
chr-1.trna67-Pro-TGG    GGGCAUUUGGU-C-UAGUGGU-AUGAUUCUCGCUUUGGGUGCGAGAGGUCCCGAGUUCGA 57
chr-1.trna113-Pro-TGG   GGGCAUUUGGU-C-UAGUGGU-AUGAUUCUCGCUUUGGGUGCGAGAGGUCCCGAGUUCGA 57
chr-1.trna65-Pro-TGG    GGGCAUUUGGU-C-UAGUGGU-AUGAUUCUCGCUUUGGGUGCGAGAGGCCCGGAGUUCGA 57
chr-1.trna31-Pro-AGG    GGGCAUUUGGU-C-UAGUGGU-AUGAUUCUCGCUUAGGGUGCGAGAGGUCUCGAGUUCAA 57
chr-1.trna87-Pro-AGG    GGGCAUUUGGU-C-UAGUGGU-AUGAUUCUCGCUUAGGGUGCGAGAGGUCCCGAGUUCAA 57
chr-7.trna51-Pro-AGG    GGGCAUUUGGU-C-UAGUGGU-AUGAUUCUCGCUUAGGGUGCGAGAGGUCCCGAGUUCAA 57
chr-7.trna25-Pro-AGG    GGGCAUUUGGU-C-UAGUGGU-AUGAUUCUCGCUUAGGGUGCGAGAGGUCCCGAGUUCAA 57
chr-2.trna45-Pro-AGG    GGGCAUUUGGU-C-UAGUGGU-AUGAUUCUCGCUUAGGGUGCGAGAGGUCCCGAGUUCAA 57
chr-2.trna74-Pro-AGG    GGGCAUUUGGU-C-UAGUGGU-AUGAUUCUCGCUUAGGGUGCGAGAGGUCCCGAGUUCAA 57
chr-6.trna45-Pro-AGG    GGGCAUUUGGU-C-UAGUGGU-AUGAUUCUCGCUUAGGGUGCGAGAGGUCCCGAGUUCAA 57
chr-2.trna104-Pro-AGG   GGGCAUUUGGU-C-UAGUGGU-AUGAUUCUCGCUUAGGGUGCGAGAGGUCCCGAGUUCAA 57
chr-3.trna28-Pro-AGG    GGGCAUUUGGU-C-UAGUGGU-AUGAUUCUCGCUUAGGGUGCGAGAGGUCCCGAGUUCAA 57
chr-3.trna67-Pro-AGG    GGGCAUUUGGU-C-UAGUGGU-AUGAUUCUCGCUUAGGGUGCGAGAGGUCCCGAGUUCAA 57
chr-3.trna108-Pro-AGG   GGGCAUUUGGU-C-UAGUGGU-AUGAUUCUCGCUUAGGGUGCGAGAGGUCCCGAGUUCAA 57
chr-4.trna117-Pro-AGG   GGGCAUUUGGU-C-UAGUGGU-AUGAUUCUCGCUUAGGGUGCGAGAGGUCCCGAGUUCAA 57
chr-6.trna15-Pro-AGG    GGGCAUUUGAU-C-UAGUGGU-AUGAUUCUUGCUUAGGGUGCGAGAGGUCCCGAGUUUAA 57
chr-1.trna70-Pro-TGG    GGGCAUUUGGU-C-UAGUGGU-AUAAUUCUCGCUUUGGGUGCGAGAGGUCCCGAGUUCAA 57
chr-4.trna132-Pro-CGG   GGGUGUUUGGU-C-UAGUGGU-AUGAUUCUCGCUUCGGGUGCGAGAGGUCGUGAGUUCGA 57
chr-7.trna67-Pro-CGG    GGGUGUUUGGU-C-UAGUGGU-AUGAUUCUCGCUUCGGGUGCGAGAGGUCGUGAGUUCGA 57
chr-1.trna64-Pro-CGG    GGGCAUUUGGU-C-UAGUGGU-AUGAUUCUCGCUUCGGGUGCGAGAGGUUCCGAGUUCGA 57
chr-1.trna71-Pro-TGG    GGGCAUUUGGU-C-UAGAGGU-AUGAUUCUCGCUUUGGGUGCGAGAGGUUCCGAGUUCAA 57
chr-2.trna75-Pro-AGG    GGGCAUCUGGU-C-UAGUGGU-AUGAUUCUUGCUUAGGGUGCGAGAGGUCCCAAGUUCAA 57
chr-6.trna46-Pro-AGG    GGGCAUUUGAU-C-UAGUGGU-AUGAUUCUCGCUUAGGGUGCAAGAGGUCCCGAGUUCAA 57
chr-1.trna112-Pro-TGG   GGGCAUUUGGU-C-UAGUGGU-UUGAUUCUCGCUUUGGGUGCGAGAGGUCCUGAGUUCGA 57
chr-1.trna61-Pro-TGG    GGGUAUUUGGU-C-UAGUGGU-AUGAUUCUCGCUUUGGGUGCCAGAGGUCCGGAGUUUGA 57
chr-1.trna68-Pro-TGG    GGCCAUUUGGU-C-UAGUGGU-AUGAUUCUCGCUUUGGGUGUGAGAGGUUCCGAGUUCGA 57
chr-1.trna66-Pro-TGG    GGGCAUUUGGUCC-UAGUGGU-AUCAUUCUCGCUUUGGGUGCGAGAGGUCCCAAGUUUGA 58
chr-4.trna149-Pro-TGG   AGGGAUGUAGCGCAGCUUGGU-AGCGCGUUUGUUUUGGGUACAAAAUGUCACAGGUUCAA 59
chr-4.trna163-Pro-TGG   AGGGAUGUAGCGCAGCUUGGU-AGCGCGUUUGUUUUGGGUACAAAAUGUCACAGGUUCAA 59
chr-8.trna26-Pro-TGG    AGGGAUGUAGCGCAGCUUGGU-AGCGCGUUUGUUUUGGGUACAAAAUGUCACAGGUUCAA 59
chr-7.trna118-Pro-TGG   UUAAAGAUGACACAGUCUGGUCAGCGCAUCUGUUUUGGGUACAGAGGGCCAUAGGUUCGA 60
                        .........10........20........30........40........50.........

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chr-1.trna58-Pro-TGG    UUCUCCGAA-UGCCCC 72
chr-1.trna59-Pro-TGG    UUCUCCGAA-UGCCCC 72
chr-4.trna101-Pro-TGG   UUCUCCGAA-UGCCCC 72
chr-3.trna86-Pro-TGG    UUCUCCGAA-UGCCCC 72
chr-3.trna69-Pro-TGG    UUCUCCGAA-UGCCCC 72
chr-1.trna60-Pro-TGG    UUCUCCGAA-UGCCCC 72
chr-3.trna37-Pro-TGG    UUCUCCGAA-UGCCCC 72
chr-1.trna8-Pro-TGG     UUCUCCGAA-UGCCCC 72
chr-1.trna63-Pro-TGG    UUCUCCGAA-UGCCCC 72
chr-2.trna96-Pro-TGG    UUCUCCGAA-UGCCCC 72
chr-1.trna69-Pro-TGG    UUCUCCGAA-UGCCCC 72
chr-1.trna72-Pro-TGG    UUCUCCGAA-UGCCCC 72
chr-6.trna67-Pro-TGG    UUCUCCGAA-UGCCCC 72
chr-2.trna14-Pro-TGG    UUCUCCGAA-UGCCCC 72
chr-2.trna12-Pro-TGG    UUCUCCGAA-UGCCCC 72
chr-1.trna62-Pro-TGG    UUCUCGGAA-UGCCCC 72
chr-1.trna67-Pro-TGG    UUCUCGGAA-UGCCCC 72
chr-1.trna113-Pro-TGG   UUCUCGGAA-UGCCCC 72
chr-1.trna65-Pro-TGG    UUCUCUGAA-UGCCCC 72
chr-1.trna31-Pro-AGG    UUCUCGGAA-UGCCCC 72
chr-1.trna87-Pro-AGG    UUCUCGGAA-UGCCCC 72
chr-7.trna51-Pro-AGG    UUCUCGGAA-UGCCCC 72
chr-7.trna25-Pro-AGG    UUCUCGGAA-UGCCCC 72
chr-2.trna45-Pro-AGG    UUCUCGGAA-UGCCCC 72
chr-2.trna74-Pro-AGG    UUCUCGGAA-UGCCCC 72
chr-6.trna45-Pro-AGG    UUCUCGGAA-UGCCCC 72
chr-2.trna104-Pro-AGG   UUCUCGGAA-UGCCCC 72
chr-3.trna28-Pro-AGG    UUCUCGGAA-UGCCCC 72
chr-3.trna67-Pro-AGG    UUCUCGGAA-UGCCCC 72
chr-3.trna108-Pro-AGG   UUCUCGGAA-UGCCCC 72
chr-4.trna117-Pro-AGG   UUCUCGGAA-UGCCCC 72
chr-6.trna15-Pro-AGG    UUCUCGGAA-UGCCCC 72
chr-1.trna70-Pro-TGG    UUCUCGGAA-UGCCCC 72
chr-4.trna132-Pro-CGG   UUCUCGCAA-CACCCC 72
chr-7.trna67-Pro-CGG    UUCUCGCAA-CACCCC 72
chr-1.trna64-Pro-CGG    UUCUCGGAA-UGCCCC 72
chr-1.trna71-Pro-TGG    UUCUCGGAA-UGCCCC 72
chr-2.trna75-Pro-AGG    UUCUCGGAA-UGCCCC 72
chr-6.trna46-Pro-AGG    UUCUCGGAA-UGCCCC 72
chr-1.trna112-Pro-TGG   UUUGCUGAG-UGCCCC 72
chr-1.trna61-Pro-TGG    UUCUCCGAA-UGCCCC 72
chr-1.trna68-Pro-TGG    UUCUCGGAA-UGCCCC 72
chr-1.trna66-Pro-TGG    UUCUCGGAA-UGCCCC 73
chr-4.trna149-Pro-TGG   AUCCUGUCA-UCCCUA 74
chr-4.trna163-Pro-TGG   AUCCUGUCA-UCCCUA 74
chr-8.trna26-Pro-TGG    AUCCUGUCA-UCCCUA 74
chr-7.trna118-Pro-TGG   AUCCUGUCACCUUGAU 76
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