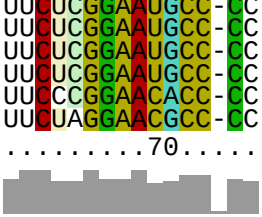```
                         (((((((..(((.............)))(((((.......))))))....(((((.....
chr-8.trna3-Pro-TGG      CGAGGUGUAGCACAAUCUGGUCAGCGUAUCUGUUUUGGGUACAGAGGGCCAUAGGUUCGA 60
chr-7.trna26-Pro-TGG     CGAGGUGUAGCGCAGUCUGGUCAGCGCAUCUGUUUUGGGUACAGAGGGCCAUAGGUUCGA 60
chr-9.trna47-Pro-TGG     CGAGGUGUAGCGCAGUCUGGUCAGCGCAUCUGUUUUGGGUACAGAGGGCCAUAGGUUCGA 60
chr-7.trna73-Pro-TGG     AGGGAUGUAGCGCAGUUUGGU-AGCGCCUUUGUUUUGGGUAAAAAAUUUCACGGGUUCAA 59
chr-12.trna6-Pro-AGG     AGGGAUGUAGCGUAGUUUGGU-AGCGCCUUUGUUUAGGGUAAAAAAUGUCACGGGUUCAA 59
chr-11.trna11-Pro-TGG    AGGGAUGUGGCGCAGCUUGGU--GCGCGUUUGUUUUGGGUACAAAAUGUCACAGGUUCAA 58
chr-9.trna38-Pro-AGG     GGGAAUUUGGUCAAA--UGUU-AUGAUUCUCGCUUAGGGUGUGAGAGGUCCCAAGUUCAA 57
chr-1.trna72-Pro-AGG     GGGCAUUUGGUCUAG--UGGU-AUGAUUCUCGCUUAGGGUGCGAGAGGUCCCGAGUUCAA 57
chr-11.trna37-Pro-AGG    GGGCAUUUGGUCUAG--UGGU-AUGAUUCUCGCUUAGGGUGCGAGAGGUCCCGAGUUCAA 57
chr-6.trna64-Pro-AGG     GGGCAUUUGGUCUAG--UGGU-AUGAUUCUCGCUUAGGGUGCGAGAGGUCCCGAGUUCAA 57
chr-9.trna35-Pro-AGG     GGGCAUUUGGUCUAG--UGGU-AUGAUUCUCGCUUAGGGUGCGAGAGGUCCCGAGUUCAA 57
chr-1.trna27-Pro-AGG     GGGCAUUUGGUCUAG--UGGU-AUGAUUCUCGCUUAGGGUGCGAGAGGUCCCGAGUUCAA 57
chr-12.trna29-Pro-AGG    GGGCAUUUGGUCUAG--UGGU-AUGAUUCUCGCUUAGGGUGCGAGAGGUCUCGAGUUCAA 57
chr-2.trna36-Pro-TGG     GGGCGUUUGGUCUAG--UGGU-AUGAUUCUCGCUUUGGGUGCGAGAGGUCCCGAGUUCGA 57
chr-3.trna37-Pro-TGG     GGGCGUUUGGUCUAG--UGGU-AUGAUUCUCGCUUUGGGUGCGAGAGGUCCCGAGUUCGA 57
chr-12.trna32-Pro-TGG    GGGCGUUUGGUCUAG--UGGU-AUGAUUCUCGCUUUGGGUGCGAGAGGUCCCGAGUUCGA 57
chr-2.trna8-Pro-TGG      GGGCAUUUGGUCUAG--UGGU-AUGAUUCUCGCUUUGGGUGCGAGAGGUCCCGAGUUCGA 57
chr-6.trna42-Pro-TGG     GGGCAUUUGGUCUAG--UGGU-AUGAUUCUCGCUUUGGGUGCGAGAGGUCCCGAGUUCGA 57
chr-9.trna50-Pro-TGG     GGGCAUUUGGUCUAG--UGGU-AUGAUUCUCGCUUUGGGUGCGAGAGGUCCCGAGUUCGA 57
chr-6.trna60-Pro-TGG     GGGCAUUUGGUCUAG--UGGU-AUGAUUCUCGCUUUGGGUGCGAGAGGUCCCGAGUUCGA 57
chr-9.trna30-Pro-TGG     GGGCAUUUGGUCUAG--UGGU-AUGAUUCUCGCUUUGGGUGCGAGAGGUCCCGAGUUCGA 57
chr-9.trna32-Pro-TGG     GGGCAUUUGGUCUAG--UGGU-AUGAUUCUCGCUUUGGGUGCGAGAGGUCCCGAGUUCGA 57
chr-9.trna33-Pro-TGG     GGGCAUUUGGUCUAG--UGGU-AUGAUUCUCGCUUUGGGUGCGAGAGGUCCCGAGUUCGA 57
chr-9.trna36-Pro-TGG     GGGCAUUUGGUCUAG--UGGU-ACGAUUCUCGCUUUGGGUGCGAGAGGUCCCGAGUUCGA 57
chr-6.trna43-Pro-CGG     GGGCAUUUGGUCUAG--UGGU-AUGAUUCUCGCUUCGGGUGCGAGAGGUCCCGAGUUCGA 57
chr-9.trna34-Pro-CGG     GGGCAUUUGGUCUAG--UGGU-AUGAUUCUCGCUUCGGGUGCGAGAGGUCCCGAGUUCGA 57
chr-9.trna37-Pro-TGG     GGGCAUUUGGUCUAG--UGGU-AUGAUUCUCGCUUUGGGUGCGAAAGGUCCCGAGUUCGA 57
chr-1.trna104-Pro-CGG    GGGUGUUUGGUCUAC--UGGU-AUGAUUCUCGCUUCGGGUGCGAGAGGUCCCGAGUUCGA 57
chr-6.trna44-Pro-TGG     GGGCGUUUGGUGUAG--UGGU-AUGGUUCUCGCUUUGGGUGCGAGAGGUCCCGAGUUCGA 57
                         .........10........20........30........40........50.........
                         ..))))))))))).).
chr-8.trna3-Pro-TGG      AUCCUGUCACCUU-GA 75
chr-7.trna26-Pro-TGG     AUCCUGUCACUUU-GA 75
chr-9.trna47-Pro-TGG     AUCCUGUCACCUU-GA 75
chr-7.trna73-Pro-TGG     AUCCUGUCAUCCC-UA 74
chr-12.trna6-Pro-AGG     AUCAUGUCAUCCC-UA 74
chr-11.trna11-Pro-TGG    AUCCUGUCAUCCC-UA 73
chr-9.trna38-Pro-AGG     UUCUCGGAAUGCCACA 73
chr-1.trna72-Pro-AGG     UUCUCGGAAUGCC-CC 72
chr-11.trna37-Pro-AGG    UUCUCGGAAUGCC-CC 72
chr-6.trna64-Pro-AGG     UUCUCGGAAUGCC-CC 72
chr-9.trna35-Pro-AGG     UUCUCGGAAUGCC-CC 72
chr-1.trna27-Pro-AGG     UUCUCGGAAUGCC-CC 72
chr-12.trna29-Pro-AGG    UUCUCGGAAUGCC-CC 72
chr-2.trna36-Pro-TGG     UUCUCGGAACGCC-CC 72
chr-3.trna37-Pro-TGG     UUCUCGGAACGCC-CC 72
chr-12.trna32-Pro-TGG    UUCUCGGAACGCC-CC 72
chr-2.trna8-Pro-TGG      UUCUCGGAAUGCC-CC 72
chr-6.trna42-Pro-TGG     UUCUCGGAAUGCC-CC 72
chr-9.trna50-Pro-TGG     UUCUCGGAAUGCC-CC 72
chr-6.trna60-Pro-TGG     UUCUCGGAAUGCC-CC 72
chr-9.trna30-Pro-TGG     UUCUCGGAAUGCC-CC 72
chr-9.trna32-Pro-TGG     UUCUCGGAAUGCC-CC 72
chr-9.trna33-Pro-TGG     UUCUCGGAAUGCC-CC 72
chr-9.trna36-Pro-TGG     UUCUCGGAAUGCC-CC 72
chr-6.trna43-Pro-CGG     UUCUCGGAAUGCC-CC 72
chr-9.trna34-Pro-CGG     UUCUCGGAAUGCC-CC 72
chr-9.trna37-Pro-TGG     UUCUCGGAAUGCC-CC 72
chr-1.trna104-Pro-CGG    UUCCCGGAACACC-CC 72
chr-6.trna44-Pro-TGG     UUCUAGGAACGCC-CC 72
                         .........70.....
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