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                          (((((((.................(((((((((.......)))))).)))(((((.....
chr-5.trna184-Pro-TGG     GGGUGUUUGGGUCUAG--UGGU-AUGAUUCUUGCUUUGGGUGCG-GUCGUUGUGAGUUCAA 56
chr-5.trna181-Pro-TGG     GGGUGUUUGGGUCCAG--UGGU-AUGAUUCUUGCUUUGGGUGCGAGGUGUUAUGAGUUCAA 57
chr-5.trna122-Pro-TGG     GGAUGUUUAGGUCUAG--UGGU-AUGAUUUUUGCUUUGGGUGCGAGAGGUUGUGAGUUUGA 57
chr-5.trna125-Pro-TGG     GGGUGUUUGGGUCUAG--UAGU-AUGAUUCUUGCUUUGGGUGCGAGAAGUUGUGAGUUUAA 57
chr-5.trna126-Pro-TGG     GGGUGUUUGGGUUUAG--UGGU-AUGAUUCUCGCUUUGGGUGCAAGAGGUUGUGAUUUUAA 57
chr-5.trna183-Pro-TGG     GGGUGUUUGGGUUUAG--UGGU-AUGAUUCUUGCUUUGGGUGCAAGAGGUCGUGAGUUUGA 57
chr-11.trna391-Pro-TGG    GGGUGUUUGGGUCUAG--UGGU-AUGAUUCUCGUUUGGGUGCGAGAGGUCGUGACUUUAA 57
chr-5.trna174-Pro-TGG     GGGUGUUUGGGUCUGG--UGGU-AUGAUUCUUGCUUUGGGUGCAAGAGGUCGUGAGUUUGA 57
chr-5.trna121-Pro-TGG     GGGUGUUUGGGUCUAG--UGGU-AUGAUUCUUGCUUUGGGUGUAAGAGGUCGCAAGUUUGA 57
chr-11.trna386-Pro-TGG    UGGUGUUUGGGUUUAG--UGGU-AUGGUUCUCGCUUUGGGUGCGAGAGAUUGUGAGUUUAA 57
chr-3.trna111-Pro-TGG     GGGUGUUUGGGUCUAG--UGGU-AUGAUUCUCGCUUUGGGUGCGAGAGGUCCCGAGUUCGA 57
chr-3.trna154-Pro-TGG     GGGCGUUUGGGUCUAG--UGGU-AUGAUUCUCGCUUUGGGUGCGAGAGGUCCCGAGUUCGA 57
chr-8.trna153-Pro-TGG     GGGCGUUUGGGUCUAG--UGGU-AUGAUUCUCGCUUUGGGUGCGAGAGGUCCCGAGUUCGA 57
chr-11.trna103-Pro-TGG    GGGCGUUUGGGUCUAG--UGGU-AUGAUUCUCGCUUUGGGUGCGAGAGGUCCCGAGUUCGA 57
chr-12.trna168-Pro-TGG    GGGCGUUUGGGUCUAG--UGGU-AUGAUUCUCGCUUUGGGUGCGAGAGGUCCCGAGUUCGA 57
chr-12.trna103-Pro-TGG    GGGCGUUUGGGUCUAG--UGGU-AUGAUUCUCGCUUUGGGUGCGAGAGGUCCCGAGUUCGA 57
chr-11.trna106-Pro-TGG    GGGCGUUUGGGUCUAG--UGGU-AUGAUUCUCGCUUUGGGUGCGAGAGGUCCCGAGUUCGA 57
chr-11.trna107-Pro-TGG    GGGCGUUUGGGUCUAG--UGGU-AUGAUUCUCGCUUUGGGUGCGAGAGGUCCCGAGUUCGA 57
chr-11.trna375-Pro-TGG    GGGCGUUUGGGUCUAG--UGGU-AUGAUUCUCGCUUUGGGUGCGAGAGGUCCCGAGUUCGA 57
chr-1.trna142-Pro-TGG     GGGCAUUUGGGUCUAG--UGGU-AUGAUUCUCGCUUUGGGUGCGAGAGGUCCCGAGUUCGA 57
chr-1.trna144-Pro-TGG     GGGCAUUUGGGUCUAG--UGGU-AUGAUUCUCGCUUUGGGUGCGAGAGGUCCCGAGUUCGA 57
chr-5.trna207-Pro-TGG     GGGCGUUUGGGUCUAG--UGGU-AUGAUUCUUGCUUUGGGUGCAAGAGGUCCCGAGUUCGA 57
chr-6.trna113-Pro-TGG     GGGUGUUUGGGUCUAG--UGGU-AUGAUUCUUGCUUUGGGUGCAAGAGGUCGUGAGUUCGA 57
chr-11.trna18-Pro-TGG     GGGCGUUUAGGUCUAG--UGGU-AUGAUUCUCGCUUUGGGUGCGAGAGGUCCCGAGUUCGA 57
chr-5.trna176-Pro-TGG     GGGUGUUUGGGUCUAG--UGGU-AUGAUUCUUGCUUUGGGUGCGAGAGGUCGUGAGUUCAA 57
chr-6.trna115-Pro-TGG     GGGUGUUUGGGUCUAG--UGGU-AUGAUUCUUGCUUUGGGUGCAAGAGGUCGUGAGUUCAA 57
chr-6.trna116-Pro-TGG     GGGUGUUUGGGUCUAG--UGGU-AUGAUUCUUGCUUUGGGUGCAAGAGGUCGUGAGUUCAA 57
chr-5.trna182-Pro-TGG     GGGUGUUUGGGUCUAG--UGGU-AUGAUUCUUGCUUUGGGUGCGAGAGGUCCCGAGUUCAA 57
chr-6.trna46-Pro-TGG      GGGCAUUUGGGUCUAG--UGGU-AUGAUUCUCGCUUUGGGUGCGAGAGGUCCCGAGUUCAA 57
chr-6.trna118-Pro-TGG     GGGUGUUUGGGUCUAG--UGGU-AUGAUUCUUGCUUUGGGUGCAAGAGGUCGUGAGUUCAA 57
chr-5.trna127-Pro-TGG     GGGUGUUUGGGUCUAG--UGGU-AUGAUUCUUGCUUUGGGUGCAAGAAGUUGUGAGUUCAA 57
chr-10.trna109-Pro-TGG    GGGCAUUUGGGUCUAG--UGGU-AUGAUUCUUGCUUUGGGUGCGAGAGGUCCCGAGUUUGA 57
chr-11.trna105-Pro-TGG    UGGUGUUUGGGUCUAG--UGGU-AUGAUUCUUGUUUUGGGUGCAAGAGGUCCUGAGUUCGA 57
chr-7.trna116-Pro-TGG     GGGCAUUUGGGUCUAG--UGGU-AUUAUUCUUGCUUUGGGUGCGAGAGGUCCCAAGUUCAA 57
chr-11.trna385-Pro-TGG    AGGUGUUUGGGUCUAG--UGGU-AUGAUUCUUGCUUUGGGUGUGAGAUGUCAUGAGUUCAA 57
chr-11.trna392-Pro-TGG    AGGUGUUUGGGUCUAG--UGGU-AUGAUUCUCGCUUUGGGUGCGAGAGGUCGUGAGUUCAA 57
chr-5.trna123-Pro-TGG     AGGUGUUUGGGUCUAG--UGGU-AUGAUUCUUGCUUUGGGUGCAGGAGGUUGUGAGUUCAA 57
chr-5.trna185-Pro-TGG     GGGUGUUUGGGUCUAG--UGGU-AUGAUUCUCGCUUUGGGUGCGAAAGGUUGUGAGUUUAA 57
chr-11.trna104-Pro-TGG    GGGCGUUUGGGUCUAG--UGGU-AUGAUUCUCGCUUUGGGUGCGAGAGGUCUCGAGUUCGA 57
chr-7.trna122-Pro-TGG     UGGCAUUUGGGUCUAG--UGGU-AUGAUUCUUGCUUUGGGUGUGAGAGGUCUCGAGUUCAA 57
chr-5.trna170-Pro-TGG     GGGUGUUUGGGUCUAG--UGGU-AUGAUUCUUGCUUUGGGUGUAGAGGUUGUGAGUUCAA 57
chr-5.trna172-Pro-TGG     GGGUGUUUGGGUCUAG--UGGU-AUGAUUUUCACUUUGGGUGCUAGAGGUCGUGAGUACAA 57
chr-5.trna177-Pro-TGG     GGAUGUUUGGGUCUAG--UGGU-AUGAUUCUAGCUAUGGGUGCGAGAAGUCGUGAGUUCAA 57
chr-7.trna125-Pro-TGG     GGGUAUUUGAUCUAG--UGGU-AUGGUUUUUGCUUUGGGUGCGAGAGGUCCCGAGAUCAA 57
chr-1.trna140-Pro-TGG     GGGCAUUUGGGGCUAG--UGGU-AUGAUUCUUUCUUUGGGUGUGAAAGGUCCUGAGUUCGA 57
chr-5.trna124-Pro-TGG     GCGUGUUUGGGUCUAG--UGGU-AUGAUUUUUGCUUUGGGUAUGAGAGGUCGUGAGUUAAA 57
chr-11.trna384-Pro-TGG    GGGUGUUUGGGUUUAG--UGGC-AUGGUUCUCGCUUUGGGUGCGAGAGAUUGUGAGUUUAA 57
chr-11.trna383-Pro-TGG    GGGUGUUUGGGUUUAG--UGGC-AUGGUUCUCGCUUUGGGUGCGAGAGAUUGUGAGUUUAA 57
chr-11.trna381-Pro-TGG    GGGAGUUUAGGUUUAG--UGGU-AUGAUUCUUGCUUUGGGUGUGAGAGGUUGUGAGUUCAA 57
chr-6.trna44-Pro-TGG      -GGCAUUUGGGUCUAG--UGGU-AUGAUUCUUGCUUUGGGUGCAAGAGGUCUUGAGUUCAA 56
chr-13.trna67-Pro-TGG     AGGGAUGUAGCGCAGCUUGGU-AGCGCGUUUGUUUUGGGUACAAAAUGUCACGGGUUCAA 59
chr-16.trna65-Pro-TGG     CGAGGUGUAGCGCAGUCUGGUCAGCGCAUCUGUUUUGGGUACAGAGGGCCAUAGGUUCGA 60
chr-16.trna67-Pro-TGG     CGAGGUGUAGCGCAGUCUGGUCAGCGCAUCUGUUUUGGGUACAGAGGGCCAUAGGUUCGA 60
chr-16.trna95-Pro-TGG     CGAGGUGUAGCGCAGUCUGGUCAGCGCAUCUGUUUUGGGUACAGAGGGCCAUAGGUUCGA 60
                          .........10........20........30........40........50.........
                          ..))))))))))..)...).
chr-5.trna184-Pro-TGG     UUCUCACAACAC--C---CC 71
chr-5.trna181-Pro-TGG     UUCUCAUAAAAC--C---CC 72
chr-5.trna122-Pro-TGG     UUCUCACAACAC--C---CC 72
chr-5.trna125-Pro-TGG     UUCUCACAAUAG--C---CC 72
chr-5.trna126-Pro-TGG     UUCUCACAACAC--C---CC 72
chr-5.trna183-Pro-TGG     UUCUCACAACAC--C---CC 72
chr-11.trna391-Pro-TGG    UUCUCACAACAC--C---CC 72
chr-5.trna174-Pro-TGG     UUCUCACAACAC--C---CC 72
chr-5.trna121-Pro-TGG     UUCUCACAAUAC--C---CC 72
chr-11.trna386-Pro-TGG    UUCUCACAACAC--C---AC 72
chr-3.trna111-Pro-TGG     UUCUCGGAACGC--C---CC 72
chr-3.trna154-Pro-TGG     UUCUCGGAACGC--C---CC 72
chr-8.trna153-Pro-TGG     UUCUCGGAACGC--C---CC 72
chr-11.trna103-Pro-TGG    UUCUCGGAACGC--C---CC 72
chr-12.trna168-Pro-TGG    UUCUCGGAACGC--C---CC 72
chr-12.trna103-Pro-TGG    UUCUCGGAACGC--C---CC 72
chr-11.trna106-Pro-TGG    UUCUCGGAACGC--C---CC 72
chr-11.trna107-Pro-TGG    UUCUCGGAACGC--C---CC 72
chr-11.trna375-Pro-TGG    UUCUCGGAACGC--C---CC 72
chr-1.trna142-Pro-TGG     UUCUCGGAAUGC--C---CC 72
chr-1.trna144-Pro-TGG     UUCUCGGAAUGC--C---CC 72
chr-5.trna207-Pro-TGG     UUCUCGGAACGC--C---CC 72
chr-6.trna113-Pro-TGG     UUCUCACAACAC--C---CC 72
chr-11.trna18-Pro-TGG     UUCUCGGAACGC--C---CC 72
chr-5.trna176-Pro-TGG     UUCUCACAACAC--C---CC 72
chr-6.trna115-Pro-TGG     UUCUCACAACAC--C---CC 72
chr-6.trna116-Pro-TGG     UUCUCACAACAC--C---CC 72
chr-5.trna182-Pro-TGG     UUCUCACAGCAC--C---CC 72
chr-6.trna46-Pro-TGG      UUCUCGGAAUGC--C---CC 72
chr-6.trna118-Pro-TGG     UUCUCGCAACAC--C---CC 72
chr-5.trna127-Pro-TGG     UUCUCACAACAC--C---CC 72
chr-10.trna109-Pro-TGG    UUCUUGGAAUGC--C---CC 72
chr-11.trna105-Pro-TGG    UUCUCGGAACGC--C---CC 72
chr-7.trna116-Pro-TGG     UUCUUGGAAUGC--C---CC 72
chr-11.trna385-Pro-TGG    UUCUCACAACAC--C---CC 72
chr-11.trna392-Pro-TGG    UUCUCACAACAC--C---CC 72
chr-5.trna123-Pro-TGG     UUUUCACAACAC--C---CC 72
chr-5.trna185-Pro-TGG     UUCUCACAACAC--C---CC 72
chr-11.trna104-Pro-TGG    UUCUCUAAACGC--C---CC 72
chr-7.trna122-Pro-TGG     UUCUCAGAAUGC--C---CC 72
chr-5.trna170-Pro-TGG     UUCACACAACAC--C---CC 72
chr-5.trna172-Pro-TGG     UUCUCAUAACAC--C---CA 72
chr-5.trna177-Pro-TGG     UUCUCACAACAC--C---CC 72
chr-7.trna125-Pro-TGG     CUCUUAGAAUGC--C---CC 72
chr-1.trna140-Pro-TGG     UUCUUGGAAUGC--C---CC 72
chr-5.trna124-Pro-TGG     UUCUCACAACAC--C---CU 72
chr-11.trna384-Pro-TGG    UUCUCACAACAC--CACUCA 75
chr-11.trna383-Pro-TGG    UUCUCACAACAC--CACUCA 75
chr-11.trna381-Pro-TGG    UUUUAACAACAC--CACUCA 75
chr-6.trna44-Pro-TGG      UUCUUGGAGUGCGAUAUACA 76
chr-13.trna67-Pro-TGG     AUCCUGUCAUCC-----CUA 74
chr-16.trna65-Pro-TGG     AUCCUGUCACCU-----UGA 75
chr-16.trna67-Pro-TGG     AUCCUGUCACCU-----UGA 75
chr-16.trna95-Pro-TGG     AUCCUGUCACCU-----UGA 75
                          .........70.........
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