```
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chr-04.trna87-Pro-TGG    GGGUGUUUGGUCUAGU---GGUAUGAUUCUCGCUUUGGGUGCGAGAGGUUGUGAGUUUAG 57
chr-04.trna69-Pro-TGG    GGGUGUUUGGUUUAGU---GCUAUGAUUCUUGCUUUGGGUGCAAGAGGUCAUGAGUUUGA 57
chr-04.trna41-Pro-TGG    GGGUGUUUGGUGUAGU---GGUAUGAUUCUCGCUUUGGGUGCGAGAGGUCGUGAGUUCAA 57
chr-04.trna55-Pro-TGG    GGGUGUGUGGUCUAGU---GGUAUGAUUCUCGCUUUGGGUGCGAGAGGUCGUGAGUUCAA 57
chr-04.trna68-Pro-TGG    GGGUGUUUGGUCUAGU---GGUAUGAUUCUCGCUUUGGGUGCGAGAGGUCGUGAGUUGAA 57
chr-09.trna85-Pro-TGG    GGGCAUUUGGUUUAGU---GGUAUGAUUCUCGCUUUGGGUGCGAGAGGUCCCGAGUUUAA 57
chr-15.trna132-Pro-TGG   GGGUGUUUGGUCUAGU---GGUAUGAUUCUCGCUUUGGGUGCGAGAGGUCGUGAGUUUAA 57
chr-04.trna90-Pro-TGG    GGGUGUUUGGUCUAGU---GGUAUGAUUCUCGCUUUGGGUGCGAGAGGUCGUGAGUUUAA 57
chr-04.trna89-Pro-TGG    GGGUGUUUGGUCUAGU---GGUAUGAUUCUCGCUUUGGGUGCGAGAGGUCGUGAGUUUAA 57
chr-04.trna58-Pro-TGG    GGGUGUUUGGUCUAGU---GGUAUGAUUCUCGCUUUGGGUGCGAGAGGUCGUGAGUUUAA 57
chr-09.trna70-Pro-TGG    GGGCAUUUGGUCUAGU---GGUAUGAUUCUUGCUUUGGGUGCGAGAGGUCCUGAGUUUAA 57
chr-15.trna134-Pro-TGG   GGGUGUUUGGUCUAGU---GGUAUGAUUCUCGCUUUGGGUGCGAGAGGUCGUGAGGUCAA 57
chr-04.trna91-Pro-TGG    GGGUGUUUGGUCUAGU---GGUAUGAUUCUUGCUUUGGGUGCGAGAGGUCGUGAGGUCAA 57
chr-04.trna36-Pro-TGG    GGGUGUUUGGUCUAGU---GGUAUGAUUCUCGCUUUGGGUGCGAGAGGUCGUGAGUUCAA 57
chr-04.trna37-Pro-TGG    GGGUGUUUGGUCUAGU---GGUAUGAUUCUCGCUUUGGGUGCGAGAGGUCGUGAGUUCAA 57
chr-04.trna43-Pro-TGG    GGGUGUUUGGUCUAGU---GGUAUGAUUCUCGCUUUGGGUGCGAGAGGUCGUGAGUUCAA 57
chr-04.trna44-Pro-TGG    GGGUGUUUGGUCUAGU---GGUAUGAUUCUCGCUUUGGGUGCGAGAGGUCGUGAGUUCAA 57
chr-04.trna48-Pro-TGG    GGGUGUUUGGUCUAGU---GGUAUGAUUCUCGCUUUGGGUGCGAGAGGUCGUGAGUUCAA 57
chr-04.trna50-Pro-TGG    GGGUGUUUGGUCUAGU---GGUAUGAUUCUCGCUUUGGGUGCGAGAGGUCGUGAGUUCAA 57
chr-04.trna53-Pro-TGG    GGGUGUUUGGUCUAGU---GGUAUGAUUCUCGCUUUGGGUGCGAGAGGUCGUGAGUUCAA 57
chr-04.trna62-Pro-TGG    GGGUGUUUGGUCUAGU---GGUAUGAUUCUCGUUUUGGGUGCGAGAGGUCGUGAGUUCAA 57
chr-09.trna82-Pro-TGG    GGGCAUUUGGUCUAGU---GGUAUGAUUCUCGCUUUGGGUGCGAGAGGUCCCGAGUUCAA 57
chr-09.trna76-Pro-TGG    GGGCAUUUGGUCUAGU---GGUAUGAUUCUCGCUUUGGGUGCGAGAGGUCCCGAGUUCAA 57
chr-02.trna73-Pro-TGG    GGGCAUUUGGUCUAGU---GGUAUGAUUCUCGCUUUGGGUGCGAGAGGUCCCGAGUUCAA 57
chr-09.trna75-Pro-TGG    GGGCAUUUGGUCUAGU---GGUAUGAUUCUCGCUUUGGGUGCGAGAGGUCCCGAGUUCAA 57
chr-09.trna14-Pro-TGG    GGGCAUUUGGUCUAGU---GGUAUGAUUCUCGCUUUGGGUGCGAGAGGUCUCGAGUUCAA 57
chr-09.trna10-Pro-TGG    GGGCAUUUGGUCUAGU---GGUAUGAUUCUCGCUUUGGGUGCGAGAGGUCUCGAGUUCAA 57
chr-04.trna47-Pro-TGG    GGGUGUUUGGUCUAGU---GGUAUGAUUCUUGCUUUGGGUGCAAGAGGUUGUGAGUUCAA 57
chr-04.trna49-Pro-TGG    GGGUGUUUGGUCUAGU---GGUAUGAUUCUUGCUUUGGGUGCAAGAGGUUGUGAGUUCAA 57
chr-10.trna90-Pro-TGG    GGGCGUUUGGUCUAGU---GGUAUGAUUCUCGCUUUGGGUGCGAGAGGUCCCGAGUUCGA 57
chr-12.trna33-Pro-TGG    GGGCGUUUGGUCUAGU---GGUAUGAUUCUCGCUUUGGGUGCGAGAGGUCCCGAGUUCGA 57
chr-12.trna41-Pro-TGG    GGGCGUUUGGUCUAGU---GGUAUGAUUCUCGCUUUGGGUGCGAGAGGUCCCGAGUUCGA 57
chr-12.trna67-Pro-TGG    GGGCGUUUGGUCUAGU---GGUAUGAUUCUCGCUUUGGGUGCGAGAGGUCCCGAGUUCGA 57
chr-10.trna89-Pro-TGG    GGGCGUUUGGUCUAGU---GGUAUGAUUCUCGCUUUGGGUGCGAGAGGUCCCGAGUUCGA 57
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chr-01.trna173-Pro-TGG   GGGCGUUUGGUCUAGU---GGUAUGAUUCUCGCUUUGGGUGCGAGAGGUCCCGAGUUCGA 57
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chr-06.trna189-Pro-TGG   GGGCGUUUGGUCUAGU---GGUAUGAUUCUCGCUUUGGGUGCGAGAGGUCCCGAGUUCGA 57
chr-08.trna135-Pro-TGG   GGGCGUUUGGUCUAGU---GGUAUGAUUCUCGCUUUGGGUGCGAGAGGUCCCGAGUUCGA 57
chr-06.trna221-Pro-TGG   GGGCGUUUGGUCUAGU---GGUAUGAUUCUCGCUUUGGGUGCGAGAGGUCCCGAGUUCGA 57
chr-06.trna220-Pro-TGG   GGGCGUUUGGUCUAGU---GGUAUGAUUCUCGCUUUGGGUGCGAGAGGUCCCGAGUUCGA 57
chr-12.trna40-Pro-TGG    GGGCGUUUGGUCUAGU---GGUAUGAUUCUUGCUUUGGGUGCAAGAGGUCCCGAGUUCGA 57
chr-05.trna120-Pro-TGG   GGGCAUUUGGUCUAGU---GGUAUGAUUCUCGCUUUGGGUGCGAGAGGUCCCGAGUUCGA 57
chr-05.trna87-Pro-TGG    GGGCAUUUGGUCUAGU---GGUAUGAUUCUCGCUUUGGGUGCGAGAGGUCCCGAGUUCGA 57
chr-05.trna76-Pro-TGG    GGGCAUUUGGUCUAGU---GGUAUGAUUCUCGCUUUGGGUGCGAGAGGUCCCGAGUUCGA 57
chr-12.trna42-Pro-TGG    GGGCGUUUGGUCUAGU---GGUAUGAUUCUUGCUUUGGGUGCAAGAGGUCCCGAGUUCGA 57
chr-02.trna71-Pro-TGG    GGGCAUUUGGUCUAGU---GGUAUGAUUCUCGCUUUGGGUGCGAGAGGUCCCGAGUUCGA 57
chr-15.trna125-Pro-TGG   GGGUGUUUGGUCUAGU---GGUAUGAUUCUCGCUUUGGGUGCGAGAGGUCGUGAGUUCGA 57
chr-05.trna14-Pro-TGG    GGGUGUUUGGUCUAGU---GGUAUGAUUCUUGCUUUGGGUGCAAGAGGUCGUGAGUUCGA 57
chr-05.trna11-Pro-TGG    GGGUGUUUGGUCUAGU---GGUAUGAUUCUUGCUUUGGGUGCAAGAGGUCGUGAGUUCGA 57
chr-04.trna38-Pro-TGG    GGGUGUUUGGUCUAGU---GGUAUGAUUCUUGCUUUGGGUGCAAGAGGUCGUGAGUUCGA 57
chr-04.trna64-Pro-TGG    GGGUGUUUGGUCUAGU---GGUAUGAUUCUUGCUUUGGGUGCAAGAGGUCGUGAGUUCGA 57
chr-03.trna6-Pro-TGG     GGGCAUUUGGUCUAGU---GGUAUGAUUCUCGCUUUGGGUGCGAGAGGUCCUGAGUUCGA 57
chr-03.trna187-Pro-TGG   GGGCAUUUGGUCUAGU---GGUAUGAUUCUUGCUUUGGGUGCAAGAGGUCCUGAGUUCGA 57
chr-05.trna70-Pro-TGG    GGGCAUUUGGUCUAGU---GGUAUGAUUCUCGUUUUGGGUGCGAGAGGUCCUGAGUUCGA 57
chr-05.trna69-Pro-TGG    GGGCAUUUGGUCUAGU---GGUAUGAUUCUCGCUUUGGGUGCGAGAGGUUCCGAGUUCGA 57
chr-05.trna17-Pro-TGG    GGGUGUUUGGUCUAGU---GGUAUGAUUCUUGCUUUGGGUGCAAGAGGUUGUGAGUUCGA 57
chr-04.trna59-Pro-TGG    GGGUGUUUGGUCUAGU---GGUAUGAUUCUCGCUUUGGGUGCGAGAGGCCGUGAGUUCAA 57
chr-04.trna45-Pro-TGG    GGGUGUUUGGUCUAGU---GGAAUGAUUCUCGCUUUGGGUGCGAGAGGUCGUGAGUUCAA 57
chr-04.trna66-Pro-TGG    UGGUGUUUGGUCUAGU---GGUAUGAUUCUCGCUUUGGGUGCGAGAGGUCGUGAGUUCAA 57
chr-12.trna75-Pro-TGG    GGGCGUUUGGUCUAGU---GGUAUGAUUCUCGCUUUGGGUGCGAGAGGUCCCGAGUUCGA 57
chr-15.trna128-Pro-TGG   GGGUGUUUGGUCUAGU---GGUAUAAUUCUCGCUUUGGGUGCGAGAGGUCGUGAGUUUAA 57
chr-04.trna63-Pro-TGG    GGGUGUUUGGUCUAGU---GGUAUAAUUCUCGCUUUGGGUGUGAGAGGUCGUGAGUUCAA 57
chr-04.trna54-Pro-TGG    GGGUGUUUGGUCUAGU---GGUAUAAUUCUCGCUUUGGCUGCGAGAGGUCGUGAGUUCAA 57
chr-09.trna87-Pro-TGG    GGGCAUUUGGUCUAGU---GGUAUGAUUCUCGCUUUGGGUGCGAAAGGUCCCGAGUUCAA 57
chr-05.trna19-Pro-TGG    GGGUGUUUGGUCUAGU---GGUAUGAUUCUUGCUUUGGGUGCAAGAGGUCGUGAGUUCGA 57
chr-09.trna78-Pro-TGG    GGGCAUUUGGUCUAGU---GGUAUGAUUUUCGCUUUGGGUGCAAGAGGUCCCGAGUUCAA 57
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chr-04.trna34-Pro-TGG    GGGUAUUUGGUCUAGU---GGUAUGAUUCUUGCUUUGGGUGUAAGAAGUUGUGAGUUCAA 57
chr-15.trna133-Pro-TGG   GGGUAUUUGGUCUAGU---GGUAUGAUUCUCGCUUUGGGUGCGAGAGGUCGUGAGUUUAA 57
chr-04.trna40-Pro-TGG    GGGUGUUUGGUCUAGU---GGUAUGAUUCUCGCUUUGGGUGCGAGG--UCGUGAGUUCAA 55
chr-04.trna46-Pro-TGG    GGGUGUGUGGUCUAGU---GGUAUGAUUCUCAUUUUGGGUGCGAGAGGCCGUGAGUUCAA 57
chr-15.trna131-Pro-TGG   GGGUAUUUGGUCUAGU---GGUGUGAUUCUCUCUUUGGGUGCGAGAGGUCGUGAGUUCAA 57
chr-15.trna127-Pro-TGG   GGGUGUUUGGUUUAGU---GGUAUGAUUCUCGCUUUGGGUAUGAGAGGUCGUGAGUUUAA 57
chr-04.trna71-Pro-TGG    GAGUAUUUGGUCUAGU---GGUAUGAUUCUCGCUUUGGGUGCGAGAGGUUGUGAGUUCAA 57
chr-11.trna65-Pro-TGG    CGAGGUGUAGCGCAGUCUGGUCAGCGCAUCUGUUUUGGGUACAGAGGGCCAUAGGUUCGA 60
chr-12.trna39-Pro-TGG    GGGCGUUUGGUCUAGU---GGUAUGAUUCUCGCUUUGGGUGCAAGAGGUCCCGAGUUAGG 57
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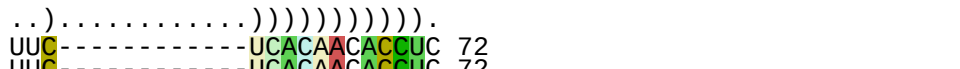

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                         ..).............))))))))))).
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chr-04.trna87-Pro-TGG    UUC------------UCACAACACCUC 72
chr-04.trna69-Pro-TGG    UUC------------UCACAACACCCC 72
chr-04.trna41-Pro-TGG    UUC------------UCACAACACCCC 72
chr-04.trna55-Pro-TGG    UUC------------UCACAACACCCC 72
chr-04.trna68-Pro-TGG    UUC------------CUACAACACCCC 72
chr-09.trna85-Pro-TGG    UUC------------UCGGAAUGCCCC 72
chr-15.trna132-Pro-TGG   UUC------------UCACAACACCCC 72
chr-04.trna90-Pro-TGG    UUC------------UCACAACACCCC 72
chr-04.trna89-Pro-TGG    UUC------------UCACAACACCCC 72
chr-04.trna58-Pro-TGG    UUC------------UCACAACACCCC 72
chr-09.trna70-Pro-TGG    UUC------------UCGGAAUGCCCC 72
chr-15.trna134-Pro-TGG   UUC------------UCACAACACCCC 72
chr-04.trna91-Pro-TGG    UUC------------UCACAACACCCC 72
chr-04.trna36-Pro-TGG    UUC------------UCACAACACCCC 72
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chr-04.trna44-Pro-TGG    UUC------------UCACAACACCCC 72
chr-04.trna48-Pro-TGG    UUC------------UCACAACACCCC 72
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chr-10.trna90-Pro-TGG    UUC------------UCGGAACGCCCC 72
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chr-04.trna211-Pro-TGG   UUC------------UCGGAACGCCCC 72
chr-06.trna189-Pro-TGG   UUC------------UCGGAACGCCCC 72
chr-08.trna135-Pro-TGG   UUC------------UCGGAACGCCCC 72
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chr-06.trna220-Pro-TGG   UUC------------UCGGAACGCCCC 72
chr-12.trna40-Pro-TGG    UUC------------UCGGAACGCCCC 72
chr-05.trna120-Pro-TGG   UUC------------UCGGAAUGCCCC 72
chr-05.trna87-Pro-TGG    UUC------------UCGGAAUGCCCC 72
chr-05.trna76-Pro-TGG    UUC------------UCGGAAUGCCCC 72
chr-12.trna42-Pro-TGG    UUC------------UCGGAACGCCCC 72
chr-02.trna71-Pro-TGG    UUC------------UCGGAAUGCCCC 72
chr-15.trna125-Pro-TGG   UUC------------UCACAACACCCC 72
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chr-04.trna38-Pro-TGG    UUC------------UCACAACACCCC 72
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chr-03.trna6-Pro-TGG     UUC------------UCGGAAUGCCCC 72
chr-03.trna187-Pro-TGG   UUC------------UCGGAAUGCCCC 72
chr-05.trna70-Pro-TGG    UUC------------UCGGAAUGCCCC 72
chr-05.trna69-Pro-TGG    UUC------------UCGGAAUGCCCC 72
chr-05.trna17-Pro-TGG    UUC------------UCACAACACCCC 72
chr-04.trna59-Pro-TGG    UUC------------UCACAACACCCC 72
chr-04.trna45-Pro-TGG    UUC------------UCACAACACCCC 72
chr-04.trna66-Pro-TGG    UUC------------UCACAACACCCC 72
chr-12.trna75-Pro-TGG    UUC------------UCGUAACGCCCC 72
chr-15.trna128-Pro-TGG   UUC------------UCACAACACCCC 72
chr-04.trna63-Pro-TGG    UUC------------UCACAACACCCC 72
chr-04.trna54-Pro-TGG    UUC------------UCACAACACCCC 72
chr-09.trna87-Pro-TGG    UUC------------UCGGAAUGCCCC 72
chr-05.trna19-Pro-TGG    UUC------------UUGCAACACCCC 72
chr-09.trna78-Pro-TGG    UUC------------UCGGAAUGCCCC 72
chr-04.trna210-Pro-TGG   UUC------------UCGGAACGCCCC 72
chr-04.trna34-Pro-TGG    UUC------------UGACAACACCCC 72
chr-15.trna133-Pro-TGG   UUC------------UCUCAACACCCC 72
chr-04.trna40-Pro-TGG    UUC------------UCACAACACCCC 70
chr-04.trna46-Pro-TGG    UUC------------UCACAACACCCC 72
chr-15.trna131-Pro-TGG   UUU------------UCACAACACCCC 72
chr-15.trna127-Pro-TGG   UUCUGG---------UCACAACACCCC 75
chr-04.trna71-Pro-TGG    UUCUCA---------AAACACCCCUCA 75
chr-11.trna65-Pro-TGG    AUC------------CUGUCACCUUGA 75
chr-12.trna39-Pro-TGG    UCCCGAGUUCGAUUCUCGGAACGCCCC 84
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