```
                                (((..((((..(((...........)))(((((((.......)))))))....(((((....
chr-5.trna180-Pro-AGG           GGG--UGUUUGGUCUAGUGG--CAUGAUUCUCGCUUAGGGUGAGAGAGGUCGUGAGUUCA 56
chr-11.trna382-Pro-AGG          UGG--UGUUUGGUCUAGUGG--UAUGAUUCUCGCUUAGGGUGCGAGAAAUCGUGAGUUGA 56
chr-1.trna141-Pro-AGG           GGG--CAUUUGGUCUAGUGG--UAUGAUUCUCGCUUAGGGUGCGAGAGGUCCCGAGUUCA 56
chr-12.trna179-Pro-AGG          GGG--CAUUUGGUCUAGUGG--UAUGAUUCUCGCUUAGGGUGCGAGAGGUCCCGAGUUCA 56
chr-1.trna146-Pro-AGG           GGG--CAUUUGGUCUAGUGG--UAUGAUUCUCGCUUAGGGUGCGAGAGGUCCCGAGUUCA 56
chr-2.trna3-Pro-AGG             GGG--CAUUUGGUCUAGUGG--UAUGAUUCUCGCUUAGGGUGCGAGAGGUCCCGAGUUCA 56
chr-4.trna9-Pro-AGG             GGG--CAUUUGGUCUAGUGG--UAUGAUUCUCGCUUAGGGUGCGAGAGGUCCCGAGUUCA 56
chr-10.trna107-Pro-AGG          GGG--CAUUUGGUCUAGUGG--UAUGAUUCUCGCUUAGGGUGCGAGAGGUCCCGAGUUCA 56
chr-5.trna130-Pro-AGG           GGG--CAUUUGGUCUAGUGG--UAUGAUUCUCGCUUAGGGUGCGAGAGGUCCCGAGUUCA 56
chr-15.trna64-Pro-AGG           GGG--CAUUUGGUCUAGUGG--UAUGAUUCUCGCUUAGGGUGCGAGAGGUCCCGAGUUCA 56
chr-5.trna216-Pro-AGG           GGG--CAUUUGGUCUAGUGG--UAUGAUUCUUGCUUAGGGUGCAAGAGGUCCCGAGUUCA 56
chr-7.trna133-Pro-AGG           GGG--CAUUUGGUCUAGUGG--UAUGAUUCUCGCUUAGGGUGCGAGAGGUCCCGAGUUCA 56
chr-5.trna250-Pro-AGG           GGG--CAUUUGGUCUAGUGG--UAUGAUUCUCGCUUAGGGUGCGAGAGGUCCCGAGUUCA 56
chr-6.trna45-Pro-AGG            GGG--CAUUUGGUCUAGUGG--UAUGAUUCUCGCUUAGGGUGCGAGAGGUCCCGAGUUCA 56
chr-6.trna53-Pro-AGG            GGG--CAUUUGGUCUAGUGG--UAUGAUUCUCGCUUAGGGUGCGAGAGGUCCCGAGUUCA 56
chr-7.trna94-Pro-AGG            GGG--CAUUUGGUCUAGUGG--UAUGAUUCUCGCUUAGGGUGCGAGAGGUCCCGAGUUCA 56
chr-7.trna95-Pro-AGG            GGG--CAUUUGGUCUAGUGG--UAUGAUUCUCGCUUAGGGUGCGAGAGGUCCCGAGUUCA 56
chr-5.trna214-Pro-AGG           GGG--UAUUUGGUCUAGUGG--UAUGAUUCUUGCUUAGGGUGCAAGAGGUCCCGAGUUCA 56
chr-4.trna141-Pro-AGG           GGG--CAUUUGGUCUAGUGG--UAUGAUUCUCGCUUAGGGUGCGAGAGGUCCCGAGUUCA 56
chr-11.trna98-Pro-AGG           GGG--CAUUUGGUCUAGUGG--UAUGAUUCUUGCUUAGGGUGCAAGAGGUCUCGAGUUCA 56
chr-11.trna393-Pro-AGG          GGG--UGUUUGGUCUAGUGG--UAUGAUUCUCGCUUAGGGUGCGAGAGGUCGUGAGUUCA 56
chr-4.trna94-Pro-AGG            GGG--CAUUUGGUCUAGUGG--UAUGAUUCUCGCUUAGGGUGCGAGGGGUCCCGAGUUCA 56
chr-5.trna212-Pro-AGG           GGG--CAUUUGGUCUAGUGG--UAUGAUUCUUGCUUAGGGUGCAAGAGAUCCUGAGUUCA 56
chr-1.trna175-Pro-AGG           GGG--CAUUUGGUCUAGUGG--UAUGAUUCUCGCUUAGGGUGUGAGAGGUCCUGAGUUCA 56
chr-7.trna224-Pro-AGG           GGG--CAUUUGGUCUAGUGG--UAUGAUUCUUGCUUAGGGUGCAAGAGGUCCUGAGUUCA 56
chr-7.trna124-Pro-AGG           GGG--CAUUUGGUCUAGUGG--UAUGAUUCUCGUUUAGGGUGCGAGAGGUCUUGAGUUCA 56
chr-4.trna99-Pro-AGG            GGG--CAUUUGGUCUAGUGG--UAUGAUUCUCGCUUAGGGUGCGAGAGGUCCUGAGUUCA 56
chr-7.trna98-Pro-AGG            GGG--CAUUUGGUCUAGUGG--UAUGAUUCUCGCUUAGGGUGUGAGAGGCCCCGAGUUCA 56
chr-5.trna175-Pro-AGG           GGG--UGUUUGGUCUAGUGG--UAUGAUUCUCGCUUAGGGUGCGAGUGGUUGUGAGUUCA 56
chr-1.trna143-Pro-AGG           GGG--CAUUUGGUCUAGUGG--UAUGAUUCUCGCUUAGGGUGCGAGAGGUGCCGAGUUCA 56
chr-1.trna145-Pro-AGG           GGG--CAUUUGGUCUAGUGG--UAUGAUUCUCGCUUAGGGUGCGAGAGGUGCCGAGUUCA 56
chr-1.trna176-Pro-AGG           GGG--CAUUUGGUUUAGUGG--UAUGAUUCUUGCUUAGGGUGUGAGAGGUCUCGAGUUCA 56
chr-6.trna43-Pro-AGG            GGG--CAUUUGGUCUAGUGG--UAUGAUUUUCGCUUAGGGUGCGAGAGGUCCCGAGUUCA 56
chr-7.trna100-Pro-AGG           GGG--CAUUUGAUCUAGUGG--UAUGAUUCUUGCUUAGGGUGCAAGAGGUCUCGAGUUCA 56
chr-7.trna78-Pro-AGG            GGA--CAUUUGGUCUAGUGG--UAUGAUUCUCACUUAGGGUGUGAGAGGUCUUGAGUUCA 56
chr-7.trna126-Pro-AGG           GGG--CAUUUGGUCUAGUGG--UAUGAUUCUCGCUUAGGGUGCAAGAGGUCCCGAGUUCA 56
chr-7.trna211-Pro-AGG           GGG--CAUUUGGUCUAGUGG--UAUGAUUCUCGCUUAGGGUGCAAGAGGUCCUGAGUUCA 56
chr-7.trna97-Pro-AGG            GGG--CAUUUGGUCUAGUGG--UAUGAUUCUCGCUUAGGGUGCAAGAGGUCCUGAGUUCA 56
chr-7.trna121-Pro-AGG           GGG--CAUUUGGUCUAGUGG--UAUGAUUCUCACUUAGGGUGCGAGAGGUCUCGAGUUCA 56
chr-4.trna95-Pro-AGG            GGG--CAUUUGGUCUAGUGG--UAUCAUUCUUGCUUAGGGUACGAGAGGUCUCGAGUUCA 56
chr-1.trna174-Pro-AGG           GUG--CAUUUGGUCUAGUGG--UAUGAUUCUCGCUUAGGGUGCGAGAGGUCCCUAGUUCA 56
chr-5.trna215-Pro-AGG           GGG--CAUUUAGUCUAGUGG--UAUGAUUCUUGCUUAGGGUGUAAGAGGUCCCUAGUUCA 56
chr-7.trna79-Pro-AGG            GGG--CAUUUGGUCUAGUGG--UAUGAUUCUCGCUUAGGGUGCGAGAGGUUCCGAGUUCA 56
chr-7.trna99-Pro-AGG            GGG--CAUUUGGUAUAGUGG--UAUGAUUCUUGCUUAGGGUGAAAGAGGUCUUGAGUUCA 56
chr-1.trna34-Pro-AGG            GGG--CAUUUGGUCUAGUGG--UAUGAUUCUUGCUUAGGGUGUGAGAGGUCCUGAGUUCA 56
chr-5.trna131-Pro-AGG           GGG--CGUUUGGUCUAGUGG--CAUGAUUCUUGCUUAGGGUGCAAAAGGUCGUGAGUUCA 56
chr-5.trna132-Pro-AGG           GGG--CGUUUGGUCUAGUGG--CAUGAUUCUUGCUUAGGGUGCAAAAGGUCGUGAGUUCA 56
chr-5.trna171-Pro-AGG           GUG--UGUUUGGUCUAGUGG--UAUGAUUCUCGCUUAGGUUGCGAGAGGUUGUGAGUUCA 56
chr-9.trna267-Pro-AGG           GGG--CAUUUGGUCUAGUCG--UAUGAUUCUCGCUUAGGGUGCGAGAGGUCUUGAGUUCA 56
chr-5.trna179-Pro-AGG           GGG--UGUUUGGUCUAGUGG--UAUGAUUCUCGCUUAGGGUGCGAGAGGUUGUGUGUUCA 56
chr-7.trna96-Pro-AGG            GUGUUCAUUUGGUCUAGUGG--UAUGAUUCUCGCUUAGGGCGCAAGAGGUCCCGAGUUCA 58
chr-5.trna15-Pro-AGG            GCU--CUUGUAGCUCAGUUGGUUAGAGCACCGCUUUAGGAAGCGGAGGUCUUGAGUUCA 58
                                .........10........20........30........40........50.........
                                ......)))))))..)))))..
chr-5.trna180-Pro-AGG           ---AUUCUCACAA-CACCCC- 72
chr-11.trna382-Pro-AGG          ---AUUCUCACAA-CACCCC- 72
chr-1.trna141-Pro-AGG           ---AUUCUCGGAA-UGCCCC- 72
chr-12.trna179-Pro-AGG          ---AUUCUCGGAA-UGCCCC- 72
chr-1.trna146-Pro-AGG           ---AUUCUCGGAA-UGCCCC- 72
chr-2.trna3-Pro-AGG             ---AUUCUCGGAA-UGCCCC- 72
chr-4.trna9-Pro-AGG             ---AUUCUCGGAA-UGCCCC- 72
chr-10.trna107-Pro-AGG          ---AUUCUCGGAA-UGCCCC- 72
chr-5.trna130-Pro-AGG           ---AUUCUCGGAA-UGCCCC- 72
chr-15.trna64-Pro-AGG           ---AUUCUCGGAA-UGCCCC- 72
chr-5.trna216-Pro-AGG           ---AUUCUCGGAA-UGCCCC- 72
chr-7.trna133-Pro-AGG           ---AUUCUCGGAA-UGCCCC- 72
chr-5.trna250-Pro-AGG           ---AUUCUCGGAA-UGCCCC- 72
chr-6.trna45-Pro-AGG            ---AUUCUCGGAA-UGCCCC- 72
chr-6.trna53-Pro-AGG            ---AUUCUCGGAA-UGCCCC- 72
chr-7.trna94-Pro-AGG            ---AUUCUCGGAA-UGCCCC- 72
chr-7.trna95-Pro-AGG            ---AUUCUCGGAA-UGCCCC- 72
chr-5.trna214-Pro-AGG           ---AUUCUCGGAA-UGCCCC- 72
chr-4.trna141-Pro-AGG           ---AUUCUUGGAA-UGCCCC- 72
chr-11.trna98-Pro-AGG           ---AUUCUCGAAA-UGCCCC- 72
chr-11.trna393-Pro-AGG          ---AUUCUCACAA-CACCCC- 72
chr-4.trna94-Pro-AGG            ---AUUCUCGAAA-UGCCCC- 72
chr-5.trna212-Pro-AGG           ---AUUCUCAGAA-UGCCCC- 72
chr-1.trna175-Pro-AGG           ---AUUCUCGGAA-UGCCCC- 72
chr-7.trna224-Pro-AGG           ---AUUCUCGGAA-UGCCCC- 72
chr-7.trna124-Pro-AGG           ---AUUCUCAAAA-UGCCCU- 72
chr-4.trna99-Pro-AGG            ---AUUCUUGGAA-UGCCCC- 72
chr-7.trna98-Pro-AGG            ---AUUUUCGGAA-UGCCCC- 72
chr-5.trna175-Pro-AGG           ---AUUCUCACAA-CACCCC- 72
chr-1.trna143-Pro-AGG           ---AUUCUCGGAA-UGCCCC- 72
chr-1.trna145-Pro-AGG           ---AUUCUCGGAA-UGCCCC- 72
chr-1.trna176-Pro-AGG           ---AUUCUUGGAA-UGCCCC- 72
chr-6.trna43-Pro-AGG            ---AUUCUCAGAA-UGCCCC- 72
chr-7.trna100-Pro-AGG           ---AUUCUCAGAA-UGCCCC- 72
chr-7.trna78-Pro-AGG            ---AUUCUCAAAA-UGCCCC- 72
chr-7.trna126-Pro-AGG           ---AUUCUCGAAA-UGCCCC- 72
chr-7.trna211-Pro-AGG           ---AUUCUCAGAA-UGCCCC- 72
chr-7.trna97-Pro-AGG            ---AUUCUCGGAA-UGCCCC- 72
chr-7.trna121-Pro-AGG           ---AUUCUUGGAA-UGCCCC- 72
chr-4.trna95-Pro-AGG            ---AUUCUCGGAA-UGCCCC- 72
chr-1.trna174-Pro-AGG           ---AUUCUUGAAA-UGUCCC- 72
chr-5.trna215-Pro-AGG           ---AUUCUCAGAA-UGCCCC- 72
chr-7.trna79-Pro-AGG            ---AUUCUCGGAAUUGCCCC- 73
chr-7.trna99-Pro-AGG            ---AUUCUUGAAA-UGCCCC- 72
chr-1.trna34-Pro-AGG            ---AUUCUUGGAA-UGCCCC- 72
chr-5.trna131-Pro-AGG           ---AUUCUUGGAA-UGCCCC- 72
chr-5.trna132-Pro-AGG           ---AUUCUUGGAA-UGCCCC- 72
chr-5.trna171-Pro-AGG           ---AUUCUUAUAA-CACUCA- 72
chr-9.trna267-Pro-AGG           ---AUUCUUGGAA-UGCCUCA 73
chr-5.trna179-Pro-AGG           AUGAUUCUCACAA-CAUCCC- 75
chr-7.trna96-Pro-AGG            ---AUUCUCGGAA-UGCCCC- 74
chr-5.trna15-Pro-AGG            ---AAUCUCAACA-AGAGCA- 74
                                .........70........80
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