```
                                 (((((.((..(((.............)))(((((((.......))))))....(((((....
chr-A01.trna27-Pro-TGG    AGGGA-UGUAGCGCAGCUUGGU-AGCGCGUUUGUUUUGGGUACAAAAUGUCACGGGUUCA 58
chr-A07.trna153-Pro-TGG   AGGGA-UGUAGCGCAGCUUGGU-AGUGCGUUUGUUUUGGGUACAAAAUGUCAUGGGUUCA 58
chr-A08.trna40-Pro-TGG    AGGGA-UGUAGCACAGUUUGGU-AGCGCGUUUGUUUUGGGUACAAAAUGUCACGGGUUCA 58
chr-A05.trna67-Pro-TGG    AGGGA-UGUAGCGCAUCUUGGU-AGCACUUUUGUUUUGGGUACAAAAUGUCACGGGUUCA 58
chr-A07.trna128-Pro-TGG   AACGA-UGUAGCGCAGCUUGGU-AGCGCUUUUGUUUUGGGUACAAAAUGUCACGGGUUCA 58
chr-A06.trna55-Pro-TGG    CGAGG-UGUAGCGCAGUCUGGUCAGUGCAUCUGUUUUGGGUACAGAGGGCCAUAGGUUCG 59
chr-B09.trna66-Pro-TGG    CGAGG-UGUAGCGCAGUCUGGUCAGCGCAUCUGUUUUGGGUACAGAGGGCCAUAGGUUUA 59
chr-B09.trna84-Pro-TGG    CAAGG-UGUAGCGCAGUCUGGUCAGCGCAUCUAUUUUGGGUACAGAGGGCCAUAGGUUCG 59
chr-A03.trna6-Pro-AGG     GGGCA-UUUGGUCUAG--UGGU-AUGAUUCUCGCUUAGGGUGCGAGAGGUCCCGAGUUCA 56
chr-A03.trna20-Pro-AGG    GGGCA-UUUGGUCUAG--UGGU-AUGAUUCUCGCUUAGGGUGCGAGAGGUCCCGAGUUCA 56
chr-B03.trna21-Pro-AGG    GGGCA-UUUGGUCUAG--UGGU-AUGAUUCUCGCUUAGGGUGCGAGAGGUCCCGAGUUCA 56
chr-B03.trna7-Pro-AGG     GGGCA-UUUGGUCUAG--UGGU-AUGAUUCUCGCUUAGGGUGCGAGAGGUCCCGAGUUCA 56
chr-B09.trna249-Pro-AGG   GGGCA-UUUGGUCUAG--UGGU-AUGAUUCUCGCUUAGGGUGCGAGAGGUCCCGAGUUCA 56
chr-B03.trna129-Pro-AGG   GGGCA-UUUGGUCUAG--UGGU-AUGAUUCUCGCUUAGGGUGCGAGAGGUCCCGAGUUCA 56
chr-B03.trna140-Pro-AGG   GGGCA-UUUGGUCUAG--UGGU-AUGAUUCUCGCUUAGGGUGCGAGAGGUCCCGAGUUCA 56
chr-A03.trna81-Pro-AGG    GGGCA-UUUGGUCUAG--UGGU-AUGAUUCUCGCUUAGGGUGCGAGAGGUCCCGAGUUCA 56
chr-A09.trna34-Pro-AGG    GGGCA-UUUGGUCUAG--UGGU-AUGAUUCUCGCUUAGGGUGCGAGAGGUCCCGAGUUCA 56
chr-A03.trna154-Pro-AGG   GGGCA-UUUGGUCUAG--UGGU-AUGAUUCUCGCUUAGGGUGCGAGAGGUCCCGAGUUCA 56
chr-A08.trna66-Pro-AGG    GGGCA-UUUGGUCUAG--UGGU-AUGAUUCUCGCUUAGGGUGCGAGAGGUCCCGAGUUCA 56
chr-B08.trna98-Pro-AGG    GGGCA-UUUGGUCUAG--UGGU-AUGAUUCUCGCUUAGGGUGCGAGAGGUCCCGAGUUCA 56
chr-B03.trna255-Pro-AGG   GGGCA-UUUGGUCUAG--UGGU-AUGAUUCUCGCUUAGGGUGCGAGAGGUCCCGAGUUCA 56
chr-A07.trna193-Pro-AGG   GGGCA-UUUGGUCUAG--UGGU-AUGAUUCUCGCUUAGGGUGCGAGAGGUCCCGAGUUCA 56
chr-B10.trna131-Pro-AGG   GGGCA-UUUGGUCUAG--UGGU-AUGAUUCUCGCUUAGGGUGCGAGAGGUCCCGAGUUCA 56
chr-B06.trna38-Pro-AGG    GGGCA-UUUGGUCUAG--UGGU-AUGAUUCUCGCUUAGGGUGCGAGAGGUCCCGAGUUCA 56
chr-B04.trna5-Pro-AGG     GGGCA-UUUGGUCUAG--UGGU-AUGAUUCUCGCUUAGGGUGCGAGAGGUCCCGAGUUCA 56
chr-A06.trna90-Pro-AGG    GGGCA-UUUGGUCUAG--UGGU-AUGAUUCUCGCUUAGGGUGCGAGAGGUCCCGAGUUCA 56
chr-A04.trna42-Pro-AGG    GGGCA-UUUGGUCUAG--UGGU-AUGAUUCUCGCUUAGGGUGCGAGAGGUCCCGAGUUCA 56
chr-B06.trna14-Pro-AGG    GGGCA-UUUGGUCUAG--UGGU-AUGAUUCUCGCUUAGGGUGCGAGAGGUCCCGAGUUCA 56
chr-A06.trna10-Pro-AGG    GGGCA-UUUGGUCUAG--UGGU-AUGAUUCUCGCUUAGGGUGCGAGAGGUCCCGAGUUCA 56
chr-B05.trna13-Pro-AGG    GGGCA-UUUGGUCUAG--UGGU-AUGAUUCUCGCUUAGGGUGCGAGAGGUCCCGAGUUCA 56
chr-A04.trna47-Pro-AGG    GGGCA-UUUGGUCUAG--UGGU-AUGAUUCUCGCUUAGGGUGCGAGAGGUCCCGAGUUCA 56
chr-B04.trna221-Pro-AGG   GGGCA-UUUGGUCUAG--UGGU-AUGAUUCUCGCUUAGGGUGCGAGAGGUCCCGAGUUCA 56
chr-A01.trna108-Pro-TGG   GGGCA-UUUGGUCUAG--UGGU-AUGAUUCUCGCUUUGGGUGCGAGAGGUCCCGAGUUCG 56
chr-A04.trna27-Pro-TGG    GGGCA-UUUGGUCUAG--UGGU-AUGAUUCUCGCUUUGGGUGCGAGAGGUCCCGAGUUCG 56
chr-A04.trna28-Pro-TGG    GGGCA-UUUGGUCUAG--UGGU-AUGAUUCUCGCUUUGGGUGCGAGAGGUCCCGAGUUCG 56
chr-A04.trna29-Pro-TGG    GGGCA-UUUGGUCUAG--UGGU-AUGAUUCUCGCUUUGGGUGCGAGAGGUCCCGAGUUCG 56
chr-A04.trna30-Pro-TGG    GGGCA-UUUGGUCUAG--UGGU-AUGAUUCUCGCUUUGGGUGCGAGAGGUCCCGAGUUCG 56
chr-A04.trna43-Pro-TGG    GGGCA-UUUGGUCUAG--UGGU-AUGAUUCUCGCUUUGGGUGCGAGAGGUCCCGAGUUCG 56
chr-B10.trna126-Pro-TGG   GGGCA-UUUGGUCUAG--UGGU-AUGAUUCUCGCUUUGGGUGCGAGAGGUCCCGAGUUCG 56
chr-A04.trna46-Pro-TGG    GGGCA-UUUGGUCUAG--UGGU-AUGAUUCUCGCUUUGGGUGCGAGAGGUCCCGAGUUCG 56
chr-B05.trna142-Pro-TGG   GGGCA-UUUGGUCUAG--UGGU-AUGAUUCUCGCUUUGGGUGCGAGAGGUCCCGAGUUCG 56
chr-A05.trna21-Pro-TGG    GGGCA-UUUGGUCUAG--UGGU-AUGAUUCUCGCUUUGGGUGCGAGAGGUCCCGAGUUCG 56
chr-B05.trna7-Pro-TGG     GGGCA-UUUGGUCUAG--UGGU-AUGAUUCUCGCUUUGGGUGCGAGAGGUCCCGAGUUCG 56
chr-B04.trna222-Pro-TGG   GGGCA-UUUGGUCUAG--UGGU-AUGAUUCUCGCUUUGGGUGCGAGAGGUCCCGAGUUCG 56
chr-A07.trna49-Pro-TGG    GGGCA-UUUGGUCUAG--UGGU-AUGAUUCUCGCUUUGGGUGCGAGAGGUCCCGAGUUCG 56
chr-B04.trna210-Pro-TGG   GGGCA-UUUGGUCUAG--UGGU-AUGAUUCUCGCUUUGGGUGCGAGAGGUCCCGAGUUCG 56
chr-B04.trna27-Pro-TGG    GGGCA-UUUGGUCUAG--UGGU-AUGAUUCUCGCUUUGGGUGCGAGAGGUCCCGAGUUCG 56
chr-B04.trna26-Pro-TGG    GGGCA-UUUGGUCUAG--UGGU-AUGAUUCUCGCUUUGGGUGCGAGAGGUCCCGAGUUCG 56
chr-B04.trna25-Pro-TGG    GGGCA-UUUGGUCUAG--UGGU-AUGAUUCUCGCUUUGGGUGCGAGAGGUCCCGAGUUCG 56
chr-B04.trna24-Pro-TGG    GGGCA-UUUGGUCUAG--UGGU-AUGAUUCUCGCUUUGGGUGCGAGAGGUCCCGAGUUCG 56
chr-B04.trna23-Pro-TGG    GGGCA-UUUGGUCUAG--UGGU-AUGAUUCUCGCUUUGGGUGCGAGAGGUCCCGAGUUCG 56
chr-B04.trna22-Pro-TGG    GGGCA-UUUGGUCUAG--UGGU-AUGAUUCUCGCUUUGGGUGCGAGAGGUCCCGAGUUCG 56
chr-A08.trna3-Pro-TGG     GGGCA-UUUGGUCUAG--UGGU-AUGAUUCUCGCUUUGGGUGCGAGAGGUCCCGAGUUCG 56
chr-B04.trna4-Pro-TGG     GGGCA-UUUGGUCUAG--UGGU-AUGAUUCUCGCUUUGGGUGCGAGAGGUCCCGAGUUCG 56
chr-A09.trna95-Pro-TGG    GGGCA-UUUGGUCUAG--UGGU-AUGAUUCUCGCUUUGGGUGCGAGAGGUCCCGAGUUCG 56
chr-A10.trna68-Pro-TGG    GGGCA-UUUGGUCUAG--UGGU-AUGAUUCUCGCUUUGGGUGCGAGAGGUCCCGAGUUCG 56
chr-B01.trna100-Pro-TGG   GGGCA-UUUGGUCUAG--UGGU-AUGAUUCUCGCUUUGGGUGCGAGAGGUCCCGAGUUCG 56
chr-A04.trna26-Pro-TGG    GGGCA-UUUGGUCUAG--UGGU-AUGAUUCUCGCUUUGGGUGCGAGAGGUCCCGAGUUCG 56
chr-A04.trna24-Pro-TGG    GGGCA-UUUGGUCUAG--UGGU-AUGAUUCUCGCUUUGGGUGCGAGAGGUCCCGAGUUUG 56
chr-A02.trna107-Pro-CGG   GGGUG-UUUGGUCUAG--UGGU-AUGAUUCUCGCUUCGGGUGCGAGAGGUCCCGAGUUCG 56
chr-A06.trna13-Pro-CGG    GGGUG-UUUGGUCUAG--UGGU-AUGAUUCUCGCUUCGGGUGCGAGAGGUCCCGAGUUCG 56
chr-B03.trna124-Pro-CGG   GGGUG-UUUGGUCUAG--UGGU-AUGAUUCUCGCUUCGGGUGCGAGAGGUCCCGAGUUCG 56
chr-B06.trna17-Pro-CGG    GGGUG-UUUGGUCUAG--UGGU-AUGAUUCUCGCUUCGGGUGCGAGAGGUCCCGAGUUCG 56
chr-A03.trna92-Pro-CGG    GGGUG-UUUGGUCUAG--UGGU-AUGAUUCUCGCUUCGGGUGCGAGAGGUCCUGAGUUCG 56
chr-A09.trna33-Pro-CGG    GGGUG-UUUGGUCUAG--UGGU-ACGAUUCUCGCUUCGGGUGCGAGAGGUCCCGAGUUCG 56
chr-B09.trna247-Pro-CGG   GGGUG-UUUGGUCUAG--UGGU-ACGAUUCUCGCUUCGGGUGCGAGAGGUCCCGAGUUCG 56
chr-A09.trna94-Pro-TGG    GGGCA-UUUGGUCUAG--UGGU-AUGAUUCUCGCUUUGGGUGCGAGAGGUCCCGCAUUCG 56
chr-A05.trna69-Pro-AGG    GGGCA-UUUGGUCUAG--UGGU-AUGAUUCUCGCUUAGGGUGCGAGAGGUCCCGAGUUCA 56
chr-A04.trna25-Pro-TGG    GGCCA-UUUGGUCUAG--UGGU-AUGAUUCUCGCUUUGGGUGCGAGAGGUCCCGAGUUUG 56
chr-A02.trna106-Pro-CGG   GGGGUGUUUGGUCUAG--UGGU--UG-UUCUCGCUUCGGGUGCGAGAGGUCCCGAGUUCG 55
chr-B10.trna95-Pro-TGG    CUCCG-UUUGGCGCAGUCUGGUCAGCGCAUCUGUUUUGGGUACAGAGGGCCAUAGGUUUG 59
                                  .........10.........20.........30.........40.........50.........
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                                  ...)))))......))))).))).
chr-A01.trna27-Pro-TGG    AAUCCUGU------CAUC-CUUA 74
chr-A07.trna153-Pro-TGG   AAUCCUGU------CAUC-CCUA 74
chr-A08.trna40-Pro-TGG    AAUCCUGU------CAUC-CCUA 74
chr-A05.trna67-Pro-TGG    AAUCCUGU------CAUC-CCUA 74
chr-A07.trna128-Pro-TGG   AAUCCUGU------CAUC-CCUA 74
chr-A06.trna55-Pro-TGG    AAUCCUGU------CACC-UUGA 75
chr-B09.trna66-Pro-TGG    AAUCCUGU------CACC-UUGA 75
chr-B09.trna84-Pro-TGG    AAUCCUAU------CACC-UUGA 75
chr-A03.trna6-Pro-AGG     AUUCUCGG------AAUG-CCCC 72
chr-A03.trna20-Pro-AGG    AUUCUCGG------AAUG-CCCC 72
chr-B03.trna21-Pro-AGG    AUUCUCGG------AAUG-CCCC 72
chr-B03.trna7-Pro-AGG     AUUCUCGG------AAUG-CCCC 72
chr-B09.trna249-Pro-AGG   AUUCUCGG------AAUG-CCCC 72
chr-B03.trna129-Pro-AGG   AUUCUCGG------AAUG-CCCC 72
chr-B03.trna140-Pro-AGG   AUUCUCGG------AAUG-CCCC 72
chr-A03.trna81-Pro-AGG    AUUCUCGG------AAUG-CCCC 72
chr-A09.trna34-Pro-AGG    AUUCUCGG------AAUG-CCCC 72
chr-A03.trna154-Pro-AGG   AUUCUCGG------AAUG-CCCC 72
chr-A08.trna66-Pro-AGG    AUUCUCGG------AAUG-CCCC 72
chr-B08.trna98-Pro-AGG    AUUCUCGG------AAUG-CCCC 72
chr-B03.trna255-Pro-AGG   AUUCUCGG------AAUG-CCCC 72
chr-A07.trna193-Pro-AGG   AUUCUCGG------AAUG-CCCC 72
chr-B10.trna131-Pro-AGG   AUUCUCGG------AAUG-CCCC 72
chr-B06.trna38-Pro-AGG    AUUCUCGG------AAUG-CCCC 72
chr-B04.trna5-Pro-AGG     AUUCUCGG------AAUG-CCCC 72
chr-A06.trna90-Pro-AGG    AUUCUCGG------AAUG-CCCC 72
chr-A04.trna42-Pro-AGG    AUUCUCGG------AAUG-CCCC 72
chr-B06.trna14-Pro-AGG    AUUCUCGG------AAUG-CCCC 72
chr-A06.trna10-Pro-AGG    AUUCUCGG------AAUG-CCCC 72
chr-B05.trna13-Pro-AGG    AUUCUCGG------AAUG-CCCC 72
chr-A04.trna47-Pro-AGG    AUUCUCGG------AAUG-CCCC 72
chr-B04.trna221-Pro-AGG   AUUCUCGG------AAUG-CCCC 72
chr-A01.trna108-Pro-TGG   AUUCUCGG------AAUG-CCCC 72
chr-A04.trna27-Pro-TGG    AUUCUCGG------AAUG-CCCC 72
chr-A04.trna28-Pro-TGG    AUUCUCGG------AAUG-CCCC 72
chr-A04.trna29-Pro-TGG    AUUCUCGG------AAUG-CCCC 72
chr-A04.trna30-Pro-TGG    AUUCUCGG------AAUG-CCCC 72
chr-A04.trna43-Pro-TGG    AUUCUCGG------AAUG-CCCC 72
chr-B10.trna126-Pro-TGG   AUUCUCGG------AAUG-CCCC 72
chr-A04.trna46-Pro-TGG    AUUCUCGG------AAUG-CCCC 72
chr-B05.trna142-Pro-TGG   AUUCUCGG------AAUG-CCCC 72
chr-A05.trna21-Pro-TGG    AUUCUCGG------AAUG-CCCC 72
chr-B05.trna7-Pro-TGG     AUUCUCGG------AAUG-CCCC 72
chr-B04.trna222-Pro-TGG   AUUCUCGG------AAUG-CCCC 72
chr-A07.trna49-Pro-TGG    AUUCUCGG------AAUG-CCCC 72
chr-B04.trna210-Pro-TGG   AUUCUCGG------AAUG-CCCC 72
chr-B04.trna27-Pro-TGG    AUUCUCGG------AAUG-CCCC 72
chr-B04.trna26-Pro-TGG    AUUCUCGG------AAUG-CCCC 72
chr-B04.trna25-Pro-TGG    AUUCUCGG------AAUG-CCCC 72
chr-B04.trna24-Pro-TGG    AUUCUCGG------AAUG-CCCC 72
chr-B04.trna23-Pro-TGG    AUUCUCGG------AAUG-CCCC 72
chr-B04.trna22-Pro-TGG    AUUCUCGG------AAUG-CCCC 72
chr-A08.trna3-Pro-TGG     AUUCUCGG------AAUG-CCCC 72
chr-B04.trna4-Pro-TGG     AUUCUCGG------AAUG-CCCC 72
chr-A09.trna95-Pro-TGG    AUUCUCGG------AAUG-CCCC 72
chr-A10.trna68-Pro-TGG    AUUCUCGG------AAUG-CCCC 72
chr-B01.trna100-Pro-TGG   AUUCUCGG------AAUG-CCCC 72
chr-A04.trna26-Pro-TGG    AUUCUCGG------AAUG-CCCU 72
chr-A04.trna24-Pro-TGG    AUUCUCGG------AAUG-CCCC 72
chr-A02.trna107-Pro-CGG   AUUCUCGG------AACA-CCCC 72
chr-A06.trna13-Pro-CGG    AUUCUCGG------AACA-CCCC 72
chr-B03.trna124-Pro-CGG   AUUCUCGG------AACA-CCCC 72
chr-B06.trna17-Pro-CGG    AUUCUCGG------AACA-CCCC 72
chr-A03.trna92-Pro-CGG    AUUCUCGG------AACA-CCCC 72
chr-A09.trna33-Pro-CGG    AUUCUCGG------AACA-CCCC 72
chr-B09.trna247-Pro-CGG   AUUCUCGG------AACA-CCCC 72
chr-A09.trna94-Pro-TGG    AUUCUCGG------AAUG-CCCC 72
chr-A05.trna69-Pro-AGG    AUUCUCGG------AAUA-CCCC 72
chr-A04.trna25-Pro-TGG    AUUCUCGG------AAUG-CCCC 72
chr-A02.trna106-Pro-CGG   AUUCUCGG------AAAC-CCCC 71
chr-B10.trna95-Pro-TGG    AAUCCUGUCACCUUGAUGUGAGA 82
                                  .........70.........80..
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