```
                                  ((((((...(..(((..........)))(((((((.......))))))....(((((....
chr-LG10.trna26-Pro-TGG   GGGCAUCAUUUGGUCUAGUGU-UAUGAUUCUCGCUUUGGUUGCGAGAGGUCCUGAGUUCG 59
chr-LG7.trna1-Pro-CGG     GGGUGU---UUGGUCUAGUGG-UAUGAUUCUCGCUUCGGGUGCGAGAGGUCGCGAGUUCG 56
chr-LG19.trna13-Pro-CGG   GGGUGU---UUGGUCUAGUGG-UAUGAUUCUCGCUUCGGGUGCGAGAGGUCGCGAGUUCG 56
chr-LG7.trna30-Pro-CGG    GGGCAU---UUGGUCUAGUGG-UAUGAUUCUCGCUUCGGGUGCGAGAGGUCCCGAGUUCG 56
chr-LG10.trna19-Pro-CGG   GGGCAU---UUGGUCUAGUGG-UAUGAUUCUCGCUUCGGGUGCGAGAGGUCCCGAGUUCG 56
chr-LG7.trna31-Pro-TGG    GGGCAU---UUGGUCUAGUGA-UAUGAUUCUCGCUUUGGGUGCGAGAGGUCCCGAGUUCG 56
chr-LG9.trna1-Pro-TGG     GGGCGU---UUGGUCUAGUGG-UAUGAUUCUCGCUUUGGGUGCGAGAGGUCCCGAGUUCG 56
chr-LG12.trna19-Pro-TGG   GGGCGU---UUGGUCUAGUGG-UAUGAUUCUCGCUUUGGGUGCGAGAGGUCCCGAGUUCG 56
chr-LG20.trna3-Pro-TGG    GGGCGU---UUGGUCUAGUGG-UAUGAUUCUCGCUUUGGGUGCGAGAGGUCCCGAGUUCG 56
chr-LG3.trna21-Pro-TGG    GGGCAU---UUGGUCUAGUGG-UAUGAUUCUCGCUUUGGGUGCGAGAGGUCCCGAGUUCG 56
chr-LG26.trna8-Pro-TGG    GGGCAU---UUGGUCUAGUGG-UAUGAUUCUCGCUUUGGGUGCGAGAGGUCCCGAGUUCG 56
chr-LG5.trna5-Pro-TGG     GGGCAU---UUGGUCUAGUGG-UAUGAUUCUCGCUUUGGGUGCGAGAGGUCCCGAGUUCG 56
chr-LG6.trna13-Pro-TGG    GGGCAU---UUGGUCUAGUGG-UAUGAUUCUCGCUUUGGGUGCGAGAGGUCCCGAGUUCG 56
chr-LG6.trna14-Pro-TGG    GGGCAU---UUGGUCUAGUGG-UAUGAUUCUCGCUUUGGGUGCGAGAGGUCCCGAGUUCG 56
chr-LG6.trna16-Pro-TGG    GGGCAU---UUGGUCUAGUGG-UAUGAUUCUCGCUUUGGGUGCGAGAGGUCCCGAGUUCG 56
chr-LG6.trna17-Pro-TGG    GGGCAU---UUGGUCUAGUGG-UAUGAUUCUCGCUUUGGGUGCGAGAGGUCCCGAGUUCG 56
chr-LG19.trna2-Pro-TGG    GGGCAU---UUGGUCUAGUGG-UAUGAUUCUCGCUUUGGGUGCGAGAGGUCCCGAGUUCG 56
chr-LG27.trna3-Pro-TGG    GGGCAU---UUGGUCUAGUGG-UAUGAUUCUCGCUUUGGGUGCGAGAGGUCCCGAGUUCG 56
chr-LG19.trna4-Pro-TGG    GGGCAU---UUGGUCUAGUGG-UAUGAUUCUCGCUUUGGGUGCGAGAGGUCCCGAGUUCG 56
chr-LG10.trna22-Pro-TGG   GGGCAU---UUGGUCUAGUGG-UAUGAUUCUCGCUUUGGGUGUGAGAGGUCCCGAGUUCA 56
chr-LG10.trna25-Pro-TGG   GGGCAU---UUGGUCUAGUGG-UAUGAUUCUCGCUUUGGGUGCGAGAGGUCCCGAGUUCA 56
chr-LG7.trna32-Pro-TGG    GGGCAU---UUGGUCUAGUGG-UAUGAUUCUCGCUUUGGGAGCGAGAGGUCCCGAGUUCG 56
chr-LG3.trna7-Pro-AGG     GGGCAU---UUGGUCUAGUGG-UAUGAUUCUCGCUUAGGGUGCGAGAGGUCCCGAGUUCA 56
chr-LG24.trna20-Pro-AGG   GGGCAU---UUGGUCUAGUGG-UAUGAUUCUCGCUUAGGGUGCGAGAGGUCCCGAGUUCA 56
chr-LG3.trna23-Pro-AGG    GGGCAU---UUGGUCUAGUGG-UAUGAUUCUCGCUUAGGGUGCGAGAGGUCCCGAGUUCA 56
chr-LG3.trna34-Pro-AGG    GGGCAU---UUGGUCUAGUGG-UAUGAUUCUCGCUUAGGGUGCGAGAGGUCCCGAGUUCA 56
chr-LG24.trna4-Pro-AGG    GGGCAU---UUGGUCUAGUGG-UAUGAUUCUCGCUUAGGGUGCGAGAGGUCCCGAGUUCA 56
chr-LG23.trna49-Pro-AGG   GGGCAU---UUGGUCUAGUGG-UAUGAUUCUCGCUUAGGGUGCGAGAGGUCCCGAGUUCA 56
chr-LG18.trna10-Pro-AGG   GGGCAU---UUGGUCUAGUGG-UAUGAUUCUCGCUUAGGGUGCGAGAGGUCCCGAGUUCA 56
chr-LG2.trna5-Pro-AGG     GGGCAU---UUGGUCUAGUGG-UAUGAUUCUCGCUUAGGGUGCGAGAGGUCCCGAGUUCA 56
chr-LG7.trna33-Pro-AGG    GGGCAU---UUGGUCUAGUGG-UAUGAUUCUCGCUUAGGGUGCGAGAGGUCCCGAGUUCA 56
chr-LG7.trna35-Pro-AGG    GGGCAU---UUGGUCUAGUGG-UAUGAUUCUCGCUUAGGGUGCGAGAGGUCCCGAGUUCA 56
chr-LG10.trna24-Pro-AGG   GGGCAU---UUGGUCUAGUGG-UAUGAUUCUCGCUUAGGGUGCGAGAGGUCCCGAGUUCA 56
chr-LG13.trna18-Pro-AGG   GGGCAU---UUGGUCUAGUGG-UAUGAUUCUCGCUUAGGGUGCGAGAGGUCCCGAGUUCA 56
chr-LG8.trna5-Pro-AGG     GGGCAU---UUGGUCUAGUGG-UAUGAUUUUCGCUUAGGGUGCGAGAGGUCCCGAGUUCA 56
chr-LG21.trna17-Pro-TGG   GGGCAA---UUGGUCUAGUGG-UAUGAUUCUCGCUUUGGGUGCGAGAGGUCCCGAGUUCG 56
chr-LG4.trna11-Pro-AGG    GGGCAU---CUGGUCUAGUGG-UAUGAUUCUCGCUUAGGGUGCGAGAGGUCCCGAGUUCA 56
chr-LG19.trna5-Pro-TGG    GGGCAU---UUGGUCUAGUGG-UAUGAUUCUCGCUUUGGGAGCAAGAGGUCCCGAGUUCG 56
chr-LG6.trna15-Pro-TGG    GAGCAU---UUGGUCUAGUGG-UAUGAUUCUCGCUUUGGGUGCGAGAGGUCCCGAGUUCG 56
chr-LG10.trna20-Pro-TGG   GGGCAU---UUGGUCUAGUGG-UAUGAUUCUCGCUUUGGGUGCGAGAGGUCCCGAGUUCG 56
chr-LG10.trna21-Pro-TGG   GGGCAU---UUGGUCUAGUGG-UAUGAUUCUCACUUUGGGUGUGAGAGGUCCGGAGUUCG 56
chr-LG10.trna28-Pro-CGG   GGGUGC---UUGGUCUAGUGG-UAUGAUUCUUGCUUCGGGUGCGAAAGGUCGCGAGUUCG 56
chr-LG14.trna26-Pro-CGG   GGGUGU---UUGGUGUAGUGG-UAUGAUUCUUGCUUCGGGUGCGAGAGGUGGCGAGUUCG 56
chr-LG17.trna17-Pro-CGG   GAGUGU---UUAGUUUAAUGG-UAUGAUUCUCGCUUCGGGUGCGAGAGACCGUGAGUUCG 56
chr-LG13.trna33-Pro-CGG   GUGUUU-----GGUCUAGUGA-UAUGAUUCUCGCUUCGGGUGCAAGAGGUCGCGAGUUCG 54
chr-LG14.trna24-Pro-CGG   GAGUGU---UUGGUCUAGUGG-CAUGAUUCUCACUUCGGAUGCCAGAGGUCGCGAGUUCU 56
chr-LG7.trna34-Pro-TGG    GGGCAU---UUGGUCUGGUGG-UAUGAUUCUCGCUUUGGGUGCAAGAGGUCCCAAGUUCG 56
chr-LG21.trna16-Pro-CGG   GUGUGU---UUGGUCUAGUGG-UAUGAUUCUCGCUUCGGGUGCGAGAGGUUUCGAGUUUG 56
chr-LG14.trna14-Pro-CGG   GAGUGU---UUGGUCUAGUGG-UAUGAUUUUUGCUCCCGGGUGCGAGAGGUUGUGAGUACA 56
chr-LG14.trna25-Pro-CGG   GAAUAU---UUGGUCUAGUGG-UAUGAUUCUCACUUCGGGUGUAAGAGGUUAUGAGUUUG 56
chr-LG29.trna2-Pro-CGG    GAGUGU---UUGGUCUAGUGG-UAUGAGUCUUGUUUCGGAUGCAAGAGGUUGCAAGUUUG 56
chr-LG29.trna8-Pro-CGG    GAAUGU---UUGGUCUAAUAG-UAUGAUUCUUGCUUCGGGAGCAAGAGGUUGCUAGUUCG 56
chr-LG2.trna9-Pro-CGG     GAAUGU---UUGGUCUAGUGA-CAUGAUUCUCGCUUCGGGUGCGAGAGGUCGUGAGUUUG 56
chr-LG9.trna11-Pro-CGG    GAGUGU---UUGGUCAAGUGG-UAUGAUUCUUGCUUCGGGUAUGAGAGAUCGUGAGUUCG 56
chr-LG24.trna14-Pro-CGG   GAGUGU---UUGGUCUAGUAG-UAUGAUUCUCGCUUCGGGUGCAAGAGGUCGCAAGUUCG 56
chr-LG18.trna13-Pro-TGG   AAGUGU---UUGGUCUAGUGG-UAUGAUUCUCAUUUUGGGUGCGAGAGAUUGCAAGUUCG 56
chr-LG6.trna18-Pro-TGG    GAGUGU---UUGGUAUAGUGG-UAUGAUUCUCGUUUUGGGUGCAAGAGGUCGCGAGUUUG 56
chr-LG29.trna5-Pro-CGG    GAAUGU---UUGGUCUAGUUG-UAUGAUUCUCGCUUCGGGUACGAGAGGUUGCGAGUUCG 56
chr-LG15.trna22-Pro-CGG   GAGUGU---UUGGUCUAGUGG-UAUGAUUCUCGCUUCGGGUACGAGAGGUCGCAAGUUCG 56
chr-LG13.trna21-Pro-TGG   UGUUU------GGUCUAGUGA-UAUGAUUCUCGCUUUGGGUGCGAGAGGUUGCGAGUUCG 53
chr-LG14.trna1-Pro-TGG    GU-------UUGGUCUAGUGG-UAUGAUUCUCACUUUGGGUGCGAGAUGUCGCGAGUUCA 52
chr-LG19.trna3-Pro-TGG    GA-------UUGGUCUAGUGG-UAUGAUUCUCGCUUUGGGUGCGAGAGGUCCCGAGUUCA 52
chr-LG19.trna19-Pro-CGG   UGU------UUAGUCUAGUGG-UAUGAUUCUCGCUCCGGGUGCAAGAGAUUGUGAGUUUG 53
chr-LG15.trna25-Pro-CGG   GCUAGU---UUGCCCGAGAGGUUAAGGGGGAGGUCUCGGGAUCCUCUGCACAUAAGUGCG 57
                                  .........10........20........30........40........50.........
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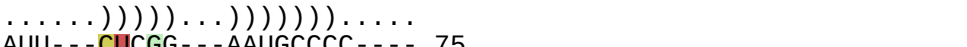

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                                  ......)))))...)))))))).....
chr-LG10.trna26-Pro-TGG   AUU---CUCGG---AAUGCCCC---- 75
chr-LG7.trna1-Pro-CGG     AUU---CUCGC---AACACCCC---- 72
chr-LG19.trna13-Pro-CGG   AUU---CUCGC---AACACCCC---- 72
chr-LG7.trna30-Pro-CGG    AUU---CUCGG---AAUGCCCC---- 72
chr-LG10.trna19-Pro-CGG   AUU---CUCGG---AAUGCCCC---- 72
chr-LG7.trna31-Pro-TGG    AUU---CUCGG---AAUGCCCC---- 72
chr-LG9.trna1-Pro-TGG     AUU---CUCGG---AACGCCCC---- 72
chr-LG12.trna19-Pro-TGG   AUU---CUCGG---AACGCCCC---- 72
chr-LG20.trna3-Pro-TGG    AUU---CUCGG---AACGCCCC---- 72
chr-LG3.trna21-Pro-TGG    AUU---CUCGG---AAUGCCCC---- 72
chr-LG26.trna8-Pro-TGG    AUU---CUCGG---AAUGCCCC---- 72
chr-LG5.trna5-Pro-TGG     AUU---CUCGG---AAUGCCCC---- 72
chr-LG6.trna13-Pro-TGG    AUU---CUCGG---AAUGCCCC---- 72
chr-LG6.trna14-Pro-TGG    AUU---CUCGG---AAUGCCCC---- 72
chr-LG6.trna16-Pro-TGG    AUU---CUCGG---AAUGCCCC---- 72
chr-LG6.trna17-Pro-TGG    AUU---CUCGG---AAUGCCCC---- 72
chr-LG19.trna2-Pro-TGG    AUU---CUCGG---AAUGCCCC---- 72
chr-LG27.trna3-Pro-TGG    AUU---CUCGG---AAUGCCCC---- 72
chr-LG19.trna4-Pro-TGG    AUU---CUCGG---AAUGCCCC---- 72
chr-LG10.trna22-Pro-TGG   AUU---CUCGG---AAUGCCCC---- 72
chr-LG10.trna25-Pro-TGG   AUU---CUCGG---AAUGCCCC---- 72
chr-LG7.trna32-Pro-TGG    AUU---CUCGG---AAUGCCCC---- 72
chr-LG3.trna7-Pro-AGG     AUU---CUCGG---AAUGCCCC---- 72
chr-LG24.trna20-Pro-AGG   AUU---CUCGG---AAUGCCCC---- 72
chr-LG3.trna23-Pro-AGG    AUU---CUCGG---AAUGCCCC---- 72
chr-LG3.trna34-Pro-AGG    AUU---CUCGG---AAUGCCCC---- 72
chr-LG24.trna4-Pro-AGG    AUU---CUCGG---AAUGCCCC---- 72
chr-LG23.trna49-Pro-AGG   AUU---CUCGG---AAUGCCCC---- 72
chr-LG18.trna10-Pro-AGG   AUU---CUCGG---AAUGCCCC---- 72
chr-LG2.trna5-Pro-AGG     AUU---CUCGG---AAUGCCCC---- 72
chr-LG7.trna33-Pro-AGG    AUU---CUCGG---AAUGCCCC---- 72
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chr-LG13.trna18-Pro-AGG   AUU---CUCGG---AAUGCCCC---- 72
chr-LG8.trna5-Pro-AGG     AUU---CUCGG---AAUGCCCC---- 72
chr-LG21.trna17-Pro-TGG   AUU---CUCGG---AAUGCCCC---- 72
chr-LG4.trna11-Pro-AGG    AUU---CCCGG---AAUGCCCC---- 72
chr-LG19.trna5-Pro-TGG    AUU---CUCGG---AAUGCCCC---- 72
chr-LG6.trna15-Pro-TGG    AUU---CUCGG---AAUUCCCC---A 73
chr-LG10.trna20-Pro-TGG   AUU---CUCGG---AAUGGCCC---A 73
chr-LG10.trna21-Pro-TGG   AUU---CUCGG---AAUGCCUC---A 73
chr-LG10.trna28-Pro-CGG   AUU---CUCGC---AACACUCU---- 72
chr-LG14.trna26-Pro-CGG   AUU---CUCGC---AACACCAA---- 72
chr-LG17.trna17-Pro-CGG   AUU---CUAGC---AACACUCC---- 72
chr-LG13.trna33-Pro-CGG   AUU---CUCGC---AAGACACC---- 70
chr-LG14.trna24-Pro-CGG   AUU---CUCGC---AACAUCCC---A 73
chr-LG7.trna34-Pro-TGG    AUU---CUUGG---AAUGCCUC---A 73
chr-LG21.trna16-Pro-CGG   AUU---CUAAC---AACACCCU---- 72
chr-LG14.trna14-Pro-CGG   AUU---CUCAC---AAUAUUUU---- 72
chr-LG14.trna25-Pro-CGG   AUU---CUCGC---AACACUCU---- 72
chr-LG29.trna2-Pro-CGG    AUU---CUCGUAAAAAUACUCC---- 75
chr-LG29.trna8-Pro-CGG    AAU---CUCGC---AACACCCC---A 73
chr-LG2.trna9-Pro-CGG     AUU---CUCGC--AACACCC-----U 72
chr-LG9.trna11-Pro-CGG    AUU---CUCAU--AACACCC-----U 72
chr-LG24.trna14-Pro-CGG   AUU---CUCGC--AACACCCCC---A 74
chr-LG18.trna13-Pro-TGG   AUU---CUCGC--AAUACCC-C---A 73
chr-LG6.trna18-Pro-TGG    AUU---CUUGC--AGCACCU-C---A 73
chr-LG29.trna5-Pro-CGG    AUU---CUCGC--AACACCCCC---A 74
chr-LG15.trna22-Pro-CGG   AUU---AUUGC--AACACCCCC---A 74
chr-LG13.trna21-Pro-TGG   AUU---CUCGU----AAGAGAA---A 69
chr-LG14.trna1-Pro-TGG    AUU---CUCGC---AAGACG------ 66
chr-LG19.trna3-Pro-TGG    AUU---CUCGG---AAUUCCCC---A 69
chr-LG19.trna19-Pro-CGG   AUU---CUCGCACGUGAGAAGA---A 73
chr-LG15.trna25-Pro-CGG   CAUGGGUUCGAACCCCAUAGCCAGUA 83
                                  .........70........80.....
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