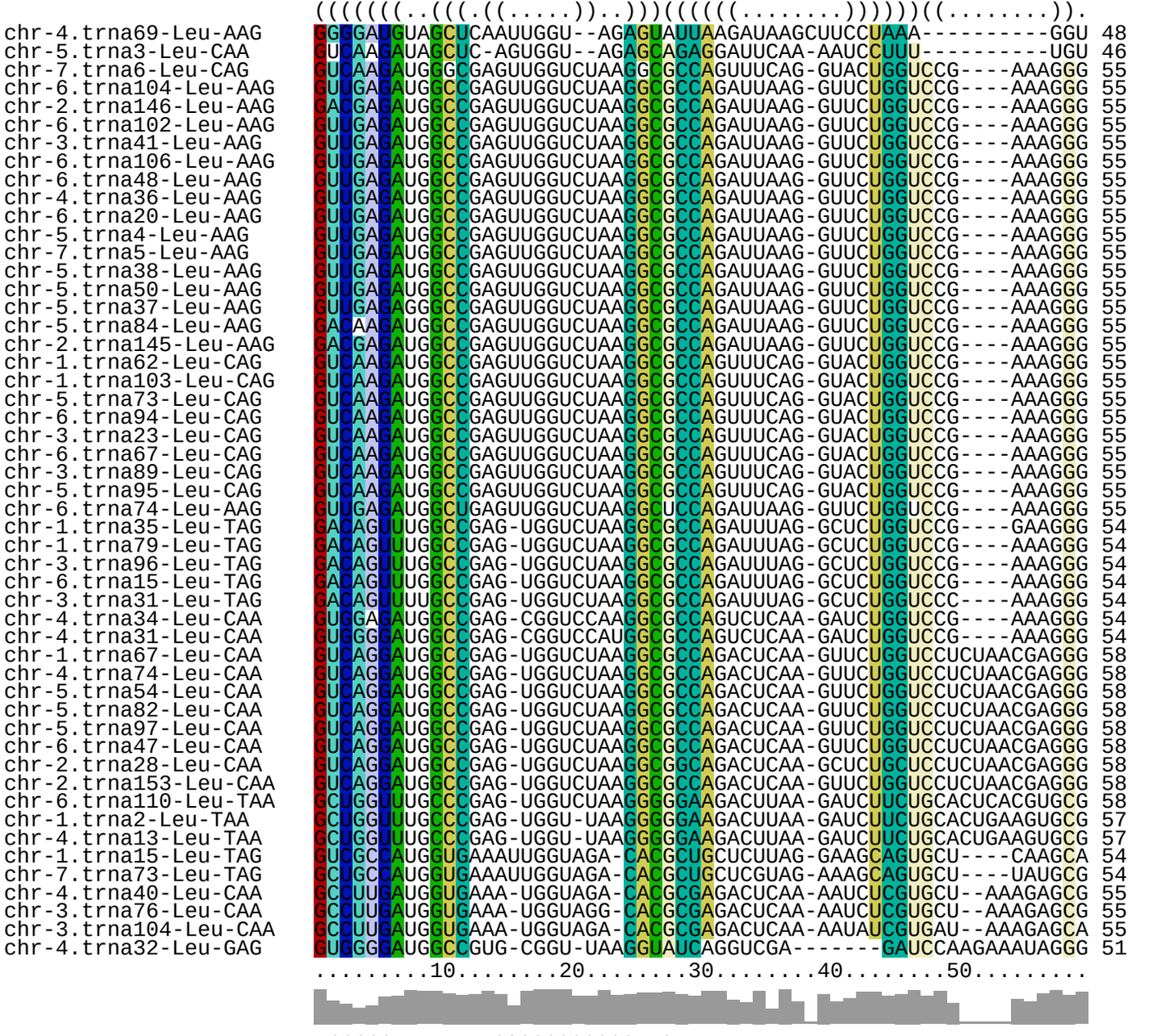
(((((((..(((.(((.....)).)))(((((.....)))))))(.....)).
chr-4.trna69-Leu-AAG GGGGAUGUAGCUCAAUUGGU--AGAGUAUUAAGAUAAGCUUCCUAAA----------GGU 48
chr-5.trna3-Leu-CAA GUCAAGAUAGCUC-AGUGGU--AGAGCAGAGGAUUCAA-AAUCCUUU----------UGU 46
chr-7.trna6-Leu-CAG GUCAAGAUGGGCGAGUUGGUCUAAGGCGCCAGUUUCAG-GUACUGGUCCG----AAAGGG 55
chr-6.trna104-Leu-AAG GUUGAGAUGGCCGAGUUGGUCUAAGGCGCCAGAUUAAG-GUUCUGGUCCG----AAAGGG 55
chr-2.trna146-Leu-AAG GACGAGAUGGCCGAGUUGGUCUAAGGCGCCAGAUUAAG-GUUCUGGUCCG----AAAGGG 55
chr-6.trna102-Leu-AAG GUUGAGAUGGCCGAGUUGGUCUAAGGCGCCAGAUUAAG-GUUCUGGUCCG----AAAGGG 55
chr-3.trna41-Leu-AAG GUUGAGAUGGCCGAGUUGGUCUAAGGCGCCAGAUUAAG-GUUCUGGUCCG----AAAGGG 55
chr-6.trna106-Leu-AAG GUUGAGAUGGCCGAGUUGGUCUAAGGCGCCAGAUUAAG-GUUCUGGUCCG----AAAGGG 55
chr-6.trna48-Leu-AAG GUUGAGAUGGCCGAGUUGGUCUAAGGCGCCAGAUUAAG-GUUCUGGUCCG----AAAGGG 55
chr-4.trna36-Leu-AAG GUUGAGAUGGCCGAGUUGGUCUAAGGCGCCAGAUUAAG-GUUCUGGUCCG----AAAGGG 55
chr-6.trna20-Leu-AAG GUUGAGAUGGCCGAGUUGGUCUAAGGCGCCAGAUUAAG-GUUCUGGUCCG----AAAGGG 55
chr-5.trna4-Leu-AAG GUUGAGAUGGCCGAGUUGGUCUAAGGCGCCAGAUUAAG-GUUCUGGUCCG----AAAGGG 55
chr-7.trna5-Leu-AAG GUUGAGAUGGCCGAGUUGGUCUAAGGCGCCAGAUUAAG-GUUCUGGUCCG----AAAGGG 55
chr-5.trna38-Leu-AAG GUUGAGAUGGCCGAGUUGGUCUAAGGCGCCAGAUUAAG-GUUCUGGUCCG----AAAGGG 55
chr-5.trna50-Leu-AAG GUUGAGAUGGCCGAGUUGGUCUAAGGCGCCAGAUUAAG-GUUCUGGUCCG----AAAGGG 55
chr-5.trna37-Leu-AAG GUUGAGAGGGCCGAGUUGGUCUAAGGCGCCAGAUUAAG-GUUCUGGUCCG----AAAGGG 55
chr-5.trna84-Leu-AAG GACAAGAUGGCCGAGUUGGUCUAAGGCGCCAGAUUAAG-GUUCUGGUCCG----AAAGGG 55
chr-2.trna145-Leu-AAG GACGAGAUGGCCGAGUUGGUCUAAGGCGCCAGAUUAAG-GUUCUGGUCCG----AAAGGG 55
chr-1.trna62-Leu-CAG GUCAAGAUGGCCGAGUUGGUCUAAGGCGCCAGUUUCAG-GUACUGGUCCG----AAAGGG 55
chr-1.trna103-Leu-CAG GUCAAGAUGGCCGAGUUGGUCUAAGGCGCCAGUUUCAG-GUACUGGUCCG----AAAGGG 55
chr-5.trna73-Leu-CAG GUCAAGAUGGCCGAGUUGGUCUAAGGCGCCAGUUUCAG-GUACUGGUCCG----AAAGGG 55
chr-6.trna94-Leu-CAG GUCAAGAUGGCCGAGUUGGUCUAAGGCGCCAGUUUCAG-GUACUGGUCCG----AAAGGG 55
chr-3.trna23-Leu-CAG GUCAAGAUGGCCGAGUUGGUCUAAGGCGCCAGUUUCAG-GUACUGGUCCG----AAAGGG 55
chr-6.trna67-Leu-CAG GUCAAGAUGGCCGAGUUGGUCUAAGGCGCCAGUUUCAG-GUACUGGUCCG----AAAGGG 55
chr-3.trna89-Leu-CAG GUCAAGAUGGCCGAGUUGGUCUAAGGCGCCAGUUUCAG-GUACUGGUCCG----AAAGGG 55
chr-5.trna95-Leu-CAG GUCAAGAUGGCCGAGUUGGUCUAAGGCGCCAGUUUCAG-GUACUGGUCCG----AAAGGG 55
chr-6.trna74-Leu-AAG GUUGAGAUGGCCGAGUUGGUCUAAGGCGCCAGAUUAAG-GUUCUGGUCCG----AAAGGG 55
chr-1.trna35-Leu-TAG GACAGUUUGGCCGAG-UGGUCUAAGGCGCCAGAUUUAG-GCUCUGGUCCG----GAAGGG 54
chr-1.trna79-Leu-TAG GACAGUUUGGCCGAG-UGGUCUAAGGCGCCAGAUUUAG-GCUCUGGUCCG----AAAGGG 54
chr-3.trna96-Leu-TAG GACAGUUUGGCCGAG-UGGUCUAAGGCGCCAGAUUUAG-GCUCUGGUCCG----AAAGGG 54
chr-6.trna15-Leu-TAG GACAGUUUGGCCGAG-UGGUCUAAGGCGCCAGAUUUAG-GCUCUGGUCCG----AAAGGG 54
chr-3.trna31-Leu-TAG GACAGUUUGGCCGAG-UGGUCUAAGGCGCCAGAUUUAG-GCUCUGGUCCC----AAAGGG 54
chr-4.trna34-Leu-CAA GUGGAGAUGGCCGAG-CGGUCCAAGGCGCCAGUCUCAA-GAUCUGGUCCG----AAAGGG 54
chr-4.trna31-Leu-CAA GUGGGGAUGGCCGAG-CGGUCCAUGGCGCCAGUCUCAA-GAUCUGGUCCG----AAAGGG 54
chr-1.trna67-Leu-CAA GUCAGGAUGGCCGAG-UGGUCUAAGGCGCCAGACUCAA-GUUCUGGUCCUCUAACGAGGG 58
chr-4.trna74-Leu-CAA GUCAGGAUGGCCGAG-UGGUCUAAGGCGCCAGACUCAA-GUUCUGGUCCUCUAACGAGGG 58
chr-5.trna54-Leu-CAA GUCAGGAUGGCCGAG-UGGUCUAAGGCGCCAGACUCAA-GUUCUGGUCCUCUAACGAGGG 58
chr-5.trna82-Leu-CAA GUCAGGAUGGCCGAG-UGGUCUAAGGCGCCAGACUCAA-GUUCUGGUCCUCUAACGAGGG 58
chr-5.trna97-Leu-CAA GUCAGGAUGGCCGAG-UGGUCUAAGGCGCCAGACUCAA-GUUCUGGUCCUCUAACGAGGG 58
chr-6.trna47-Leu-CAA GUCAGGAUGGCCGAG-UGGUCUAAGGCGCCAGACUCAA-GUUCUGGUCCUCUAACGAGGG 58
chr-2.trna28-Leu-CAA GUCAGGAUGGCCGAG-UGGUCUAAGGCGGCAGACUCAA-GCUCUGCUCCUCUAACGAGGG 58
chr-2.trna153-Leu-CAA GUCAGGAUGGCCGAG-UGGUCUAAGGCGCCAGACUCAA-GUUCUGGUCCUCUAACGAGGG 58
chr-6.trna110-Leu-TAA GCUGGUUUGCCCGAG-UGGUCUAAGGGGGAAGACUUAA-GAUCUUCUGCACUCACGUGCG 58
chr-1.trna2-Leu-TAA GCUGGUUUGCCCGAG-UGGU-UAAGGGGGAAGACUUAA-GAUCUUCUGCACUGAAGUGCG 57
chr-4.trna13-Leu-TAA GCUGGUUUGCCCGAG-UGGU-UAAGGGGGAAGACUUAA-GAUCUUCUGCACUGAAGUGCG 57
chr-1.trna15-Leu-TAG GUCGCCAUGGUGAAAUUGGUAGA-CACGCUGCUCUUAG-GAAGCAGUGCU----CAAGCA 54
chr-7.trna73-Leu-TAG GCUGCCAUGGUGAAAUUGGUAGA-CACGCUGCUCGUAG-AAAGCAGUGCU----UAUGCG 54
chr-4.trna40-Leu-CAA GCCUUGAUGGUGAAA-UGGUAGA-CACGCGAGACUCAA-AAUCUCGUGCU--AAAGAGCG 55
chr-3.trna76-Leu-CAA GCCUUGAUGGUGAAA-UGGUAGG-CACGCGAGACUCAA-AAUCUCGUGCU--AAAGAGCG 55
chr-3.trna104-Leu-CAA GCCUUGAUGGUGAAA-UGGUAGA-CACGCGAGACUCAA-AAUAUCGUGAU--AAAGAGCA 55
chr-4.trna32-Leu-GAG GUGGGGAUGGCCGUG-CGGU-UAAGGUAUCAGGUCGA-------GAUCCAAGAAAUAGGG 51
.........10........20........30........40........50.........
.(((((........))))))))))..).
chr-4.trna69-Leu-AAG UCGGG-UUCAAU-UCCUCGCAUCUC--CA 73
chr-5.trna3-Leu-CAA CGCCAGUUCGAA-UCUGGUUCCUGC--CA 72
chr-7.trna6-Leu-CAG CAUGGGUUCGAA-UCCCAUUCUUGA--CA 81
chr-6.trna104-Leu-AAG CGUGGGUUCAAA-UCCCACUCUCAA--CA 81
chr-2.trna146-Leu-AAG CGUGGGUUCAAA-UCCCACUCUCGU--CA 81
chr-6.trna102-Leu-AAG CGUGGGUUCAAA-UCCCACUCUCAA--CA 81
chr-3.trna41-Leu-AAG CGUGGGUUCAAA-UCCCACUCUCAA--CA 81
chr-6.trna106-Leu-AAG CGUGGGUUCAAA-UCCCACUCUCAA--CA 81
chr-6.trna48-Leu-AAG CGUGGGUUCAAA-UCCCACUCUCAA--CA 81
chr-4.trna36-Leu-AAG CGUGGGUUCAAA-UCCCACUCUCAA--CA 81
chr-6.trna20-Leu-AAG CGUGGGUUCAAA-UCCCACUCUCAA--CA 81
chr-5.trna4-Leu-AAG CGUGGGUUCAAA-UCCCACUCUCAA--CA 81
chr-7.trna5-Leu-AAG CGUGGGUUCAAA-UCCCACUCUCAA--CA 81
chr-5.trna38-Leu-AAG CGUGGGUUCAAA-UCCCACUCUCAA--CA 81
chr-5.trna50-Leu-AAG CGUGGGUUCAAA-UCCCACUCUCAA--CA 81
chr-5.trna37-Leu-AAG CGUGGGUUCAAA-UCCCACUCUCAA--CA 81
chr-5.trna84-Leu-AAG CGUGGGUUCAAA-UCCCACUCUCGU--CA 81
chr-2.trna145-Leu-AAG CUUGGGUUCAAA-UCCCACUCUCGU--CA 81
chr-1.trna62-Leu-CAG CAUGGGUUCGAA-UCCCAUUCUUGA--CA 81
chr-1.trna103-Leu-CAG CAUGGGUUCGAA-UCCCAUUCUUGA--CA 81
chr-5.trna73-Leu-CAG CAUGGGUUCGAA-UCCCAUUCUUGA--CA 81
chr-6.trna94-Leu-CAG CAUGGGUUCGAA-UCCCAUUCUUGA--CA 81
chr-3.trna23-Leu-CAG CAUGGGUUCGAA-UCCCAUUCUUGA--CA 81
chr-6.trna67-Leu-CAG CAUGGGUUCGAA-UCCCAUUCUUGA--CA 81
chr-3.trna89-Leu-CAG CAUGGGUUCGAA-UCCCAUUCUUGA--CA 81
chr-5.trna95-Leu-CAG CAUGGGUUCGAA-UCCCAUUCUUGA--CA 81
chr-6.trna74-Leu-AAG CGUGGGUUCAAA-UCCCACUCUCAAAACA 83
chr-1.trna35-Leu-TAG CGUGGGUUCAAA-UCCCACAGCUGU--CA 80
chr-1.trna79-Leu-TAG CGUGGGUUCAAA-UCCCACAGCUGU--CA 80
chr-3.trna96-Leu-TAG CGUGGGUUCAAA-UCCCACAGCUGU--CA 80
chr-6.trna15-Leu-TAG CGUGGGUUCAAA-UCCCACAGCUGU--CA 80
chr-3.trna31-Leu-TAG CCUGGGUUCAAA-UCCCACAGCUGU--CA 80
chr-4.trna34-Leu-CAA CGGGGGUUCAGA-UCCCUCUCCCCA--CA 80
chr-4.trna31-Leu-CAA CGUGGGUUCAAA-UCCCACUCUCCA--CA 80
chr-1.trna67-Leu-CAA CGUGGGUUCAAA-UCCCACUUCUGA--CA 84
chr-4.trna74-Leu-CAA CGUGGGUUCAAA-UCCCACUUCUGA--CA 84
chr-5.trna54-Leu-CAA CGUGGGUUCAAA-UCCCACUUCUGA--CA 84
chr-5.trna82-Leu-CAA CGUGGGUUCAAA-UCCCACUUCUGA--CA 84
chr-5.trna97-Leu-CAA CGUGGGUUCAAA-UCCCACUUCUGA--CA 84
chr-6.trna47-Leu-CAA CGUGGGUUCAAA-UCCCACUUCUGA--CA 84
chr-2.trna28-Leu-CAA CGUGGGUUCAAA-UCCCACUUCUGA--CA 84
chr-2.trna153-Leu-CAA CGUGGGUUGAAA-UCCCACUUCUGA--CA 84
chr-6.trna110-Leu-TAA CGUGGGUUCGAA-CCCCACAGCCAG--CA 84
chr-1.trna2-Leu-TAA CGUGGGUUCGAA-CCCCACAGCCAG--CA 83
chr-4.trna13-Leu-TAA CGUGGGUUCGAA-CCCCACAGCCAG--CA 83
chr-1.trna15-Leu-TAG UCUCGGUUCGAG-UCCGAGUGGCGA--CA 80
chr-7.trna73-Leu-TAG UCUCGGUUCAAG-UCCGAGUGGUGG--CA 80
chr-4.trna40-Leu-CAA UGGAGGUUCGAG-UCAUCUUCAAGG--CA 81
chr-3.trna76-Leu-CAA UGGAGGUUCGAU-UCCUCUUCAAGG--CA 81
chr-3.trna104-Leu-CAA UGGAGGUUUGAG-UCCUCUUCAAGG--CA 81
chr-4.trna32-Leu-GAG CGUGGGUUCAAAGUCCCACUCUCCA--CA 78
.........70........80........