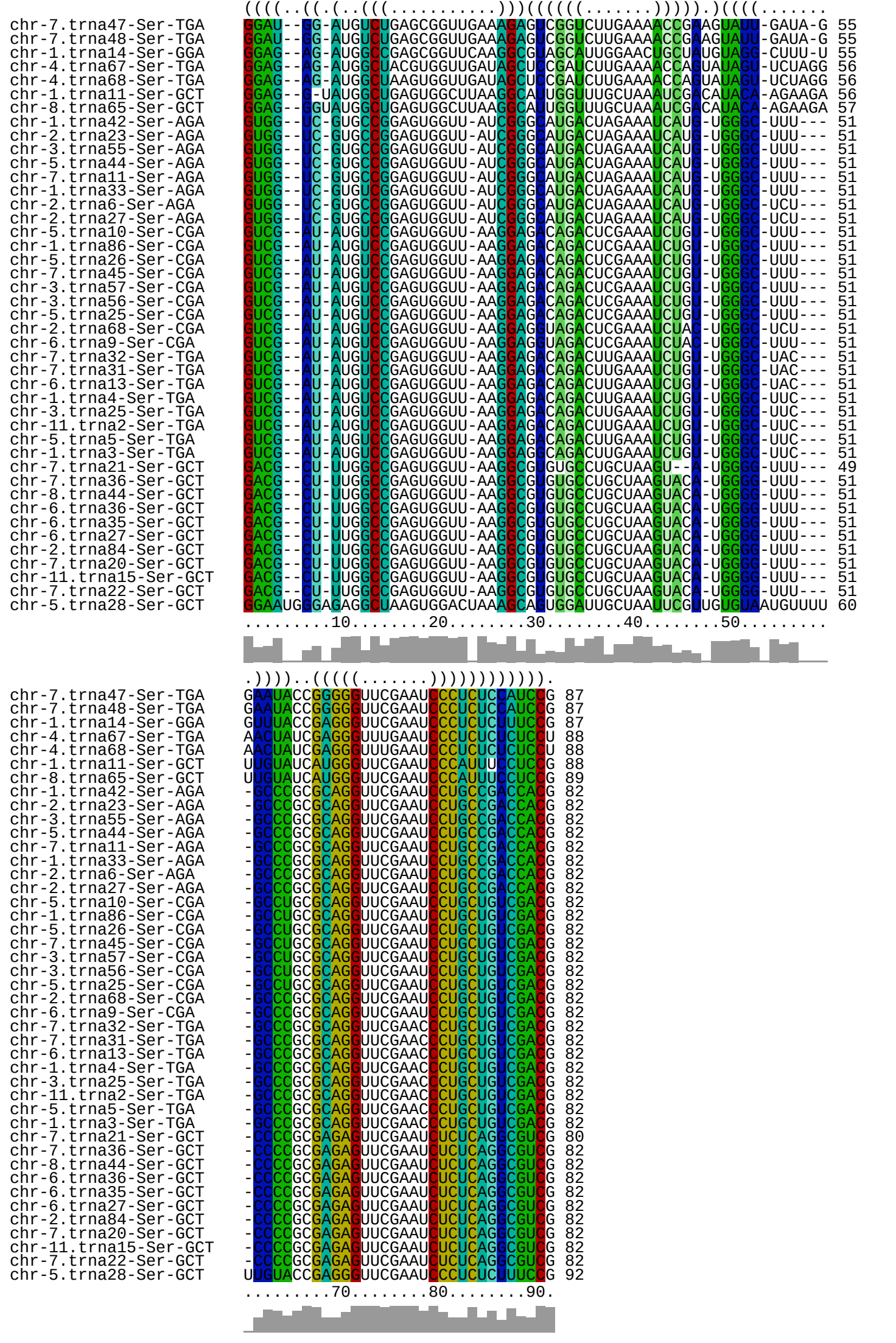
((((..((.(..(((..........)))(((((.....)))))..)(((.....
chr-7.trna47-Ser-TGA GGAU--GG-AUGUCUGAGCGGUUGAAAGAGUCGGUCUUGAAAACCGAAGUAUU-GAUA-G 55
chr-7.trna48-Ser-TGA GGAU--GG-AUGUCUGAGCGGUUGAAAGAGUCGGUCUUGAAAACCGAAGUAUU-GAUA-G 55
chr-1.trna14-Ser-GGA GGAG--AG-AUGGCCGAGCGGUUCAAGGCGUAGCAUUGGAACUGCUAUGUAGG-CUUU-U 55
chr-4.trna67-Ser-TGA GGAG--AG-AUGGCUACGUGGUUGAUAGCUCCGAUCUUGAAAACCAGUAUAGU-UCUAGG 56
chr-4.trna68-Ser-TGA GGAG--AG-AUGGCUAAGUGGUUGAUAGCUCCGAUCUUGAAAACCAGUAUAGU-UCUAGG 56
chr-1.trna11-Ser-GCT GGAG--G-UAUGGCUGAGUGGCUUAAGGCAUUGGUUUGCUAAAUCGACAUACA-AGAAGA 56
chr-8.trna65-Ser-GCT GGAG--GGUAUGGCUGAGUGGCUUAAGGCAUUGGUUUGCUAAAUCGACAUACA-AGAAGA 57
chr-1.trna42-Ser-AGA GUGG--UC-GUGCCGGAGUGGUU-AUCGGGCAUGACUAGAAAUCAUG-UGGGC-UUU--- 51
chr-2.trna23-Ser-AGA GUGG--UC-GUGCCGGAGUGGUU-AUCGGGCAUGACUAGAAAUCAUG-UGGGC-UUU--- 51
chr-3.trna55-Ser-AGA GUGG--UC-GUGCCGGAGUGGUU-AUCGGGCAUGACUAGAAAUCAUG-UGGGC-UUU--- 51
chr-5.trna44-Ser-AGA GUGG--UC-GUGCCGGAGUGGUU-AUCGGGCAUGACUAGAAAUCAUG-UGGGC-UUU--- 51
chr-7.trna11-Ser-AGA GUGG--UC-GUGCCGGAGUGGUU-AUCGGGCAUGACUAGAAAUCAUG-UGGGC-UUU--- 51
chr-1.trna33-Ser-AGA GUGG--UC-GUGUCGGAGUGGUU-AUCGGGCAUGACUAGAAAUCAUG-UGGGC-UUU--- 51
chr-2.trna6-Ser-AGA GUGG--UC-GUGCCGGAGUGGUU-AUCGGGCAUGACUAGAAAUCAUG-UGGGC-UCU--- 51
chr-2.trna27-Ser-AGA GUGG--UC-GUGCCGGAGUGGUU-AUCGGGCAUGACUAGAAAUCAUG-UGGGC-UCU--- 51
chr-5.trna10-Ser-CGA GUCG--AU-AUGUCCGAGUGGUU-AAGGAGACAGACUCGAAAUCUGU-UGGGC-UUU--- 51
chr-1.trna86-Ser-CGA GUCG--AU-AUGUCCGAGUGGUU-AAGGAGACAGACUCGAAAUCUGU-UGGGC-UUU--- 51
chr-5.trna26-Ser-CGA GUCG--AU-AUGUCCGAGUGGUU-AAGGAGACAGACUCGAAAUCUGU-UGGGC-UUU--- 51
chr-7.trna45-Ser-CGA GUCG--AU-AUGUCCGAGUGGUU-AAGGAGACAGACUCGAAAUCUGU-UGGGC-UUU--- 51
chr-3.trna57-Ser-CGA GUCG--AU-AUGUCCGAGUGGUU-AAGGAGACAGACUCGAAAUCUGU-UGGGC-UUU--- 51
chr-3.trna56-Ser-CGA GUCG--AU-AUGUCCGAGUGGUU-AAGGAGACAGACUCGAAAUCUGU-UGGGC-UUU--- 51
chr-5.trna25-Ser-CGA GUCG--AU-AUGUCCGAGUGGUU-AAGGAGACAGACUCGAAAUCUGU-UGGGC-UUU--- 51
chr-2.trna68-Ser-CGA GUCG--AU-AUGUCCGAGUGGUU-AAGGAGGUAGACUCGAAAUCUAC-UGGGC-UCU--- 51
chr-6.trna9-Ser-CGA GUCG--AU-AUGUCCGAGUGGUU-AAGGAGGUAGACUCGAAAUCUAC-UGGGC-UUU--- 51
chr-7.trna32-Ser-TGA GUCG--AU-AUGUCCGAGUGGUU-AAGGAGACAGACUUGAAAUCUGU-UGGGC-UAC--- 51
chr-7.trna31-Ser-TGA GUCG--AU-AUGUCCGAGUGGUU-AAGGAGACAGACUUGAAAUCUGU-UGGGC-UAC--- 51
chr-6.trna13-Ser-TGA GUCG--AU-AUGUCCGAGUGGUU-AAGGAGACAGACUUGAAAUCUGU-UGGGC-UAC--- 51
chr-1.trna4-Ser-TGA GUCG--AU-AUGUCCGAGUGGUU-AAGGAGACAGACUUGAAAUCUGU-UGGGC-UUC--- 51
chr-3.trna25-Ser-TGA GUCG--AU-AUGUCCGAGUGGUU-AAGGAGACAGACUUGAAAUCUGU-UGGGC-UUC--- 51
chr-11.trna2-Ser-TGA GUCG--AU-AUGUCCGAGUGGUU-AAGGAGACAGACUUGAAAUCUGU-UGGGC-UUC--- 51
chr-5.trna5-Ser-TGA GUCG--AU-AUGUCCGAGUGGUU-AAGGAGACAGACUUGAAAUCUGU-UGGGC-UUC--- 51
chr-1.trna3-Ser-TGA GUCG--AU-AUGUCCGAGUGGUU-AAGGAGGCAGACUUGAAAUCUGU-UGGGC-UUC--- 51
chr-7.trna21-Ser-GCT GACG--CU-UUGGCCGAGUGGUU-AAGGCGUGUGCCUGCUAAGU--A-UGGGG-UUU--- 49
chr-7.trna36-Ser-GCT GACG--CU-UUGGCCGAGUGGUU-AAGGCGUGUGCCUGCUAAGUACA-UGGGG-UUU--- 51
chr-8.trna44-Ser-GCT GACG--CU-UUGGCCGAGUGGUU-AAGGCGUGUGCCUGCUAAGUACA-UGGGG-UUU--- 51
chr-6.trna36-Ser-GCT GACG--CU-UUGGCCGAGUGGUU-AAGGCGUGUGCCUGCUAAGUACA-UGGGG-UUU--- 51
chr-6.trna35-Ser-GCT GACG--CU-UUGGCCGAGUGGUU-AAGGCGUGUGCCUGCUAAGUACA-UGGGG-UUU--- 51
chr-6.trna27-Ser-GCT GACG--CU-UUGGCCGAGUGGUU-AAGGCGUGUGCCUGCUAAGUACA-UGGGG-UUU--- 51
chr-2.trna84-Ser-GCT GACG--CU-UUGGCCGAGUGGUU-AAGGCGUGUGCCUGCUAAGUACA-UGGGG-UUU--- 51
chr-7.trna20-Ser-GCT GACG--CU-UUGGCCGAGUGGUU-AAGGCGUGUGCCUGCUAAGUACA-UGGGG-UUU--- 51
chr-11.trna15-Ser-GCT GACG--CU-UUGGCCGAGUGGUU-AAGGCGUGUGCCUGCUAAGUACA-UGGGG-UUU--- 51
chr-7.trna22-Ser-GCT GACG--CU-UUGGCCGAGUGGUU-AAGGCGUGUGCCUGCUAAGUACA-UGGGG-UUU--- 51
chr-5.trna28-Ser-GCT GGAAUGGGAGAGGCUAAGUGGACUAAAGCAGUGGAUUGCUAAUUCGUUGUGUAAUGUUUU 60
.........10........20........30........40........50.........
.)))))..(((((.......)))))))))))).
chr-7.trna47-Ser-TGA GAAUACCGGGGGUUCGAAUCCCUCUCCAUCCG 87
chr-7.trna48-Ser-TGA GAAUACCGGGGGUUCGAAUCCCUCUCCAUCCG 87
chr-1.trna14-Ser-GGA GUUUACCGAGGGUUCGAAUCCCUCUCUUUCCG 87
chr-4.trna67-Ser-TGA AACUAUCGAGGGUUUGAAUCCCUCUCUCUCCU 88
chr-4.trna68-Ser-TGA AACUAUCGAGGGUUUGAAUCCCUCUCUCUCCU 88
chr-1.trna11-Ser-GCT UUGUAUCAUGGGUUCGAAUCCCAUUUUCCUCCG 88
chr-8.trna65-Ser-GCT UUGUAUCAUGGGUUCGAAUCCCAUUUCCUCCG 89
chr-1.trna42-Ser-AGA -GCCCGCGCAGGUUCGAAUCCUGCCGACCACG 82
chr-2.trna23-Ser-AGA -GCCCGCGCAGGUUCGAAUCCUGCCGACCACG 82
chr-3.trna55-Ser-AGA -GCCCGCGCAGGUUCGAAUCCUGCCGACCACG 82
chr-5.trna44-Ser-AGA -GCCCGCGCAGGUUCGAAUCCUGCCGACCACG 82
chr-7.trna11-Ser-AGA -GCCCGCGCAGGUUCGAAUCCUGCCGACCACG 82
chr-1.trna33-Ser-AGA -GCCCGCGCAGGUUCGAAUCCUGCCGACCACG 82
chr-2.trna6-Ser-AGA -GCCCGCGCAGGUUCGAAUCCUGCCGACCACG 82
chr-2.trna27-Ser-AGA -GCCCGCGCAGGUUCGAAUCCUGCCGACCACG 82
chr-5.trna10-Ser-CGA -GCCUGCGCAGGUUCGAAUCCUGCUGUCGACG 82
chr-1.trna86-Ser-CGA -GCCUGCGCAGGUUCGAAUCCUGCUGUCGACG 82
chr-5.trna26-Ser-CGA -GCCUGCGCAGGUUCGAAUCCUGCUGUCGACG 82
chr-7.trna45-Ser-CGA -GCCUGCGCAGGUUCGAAUCCUGCUGUCGACG 82
chr-3.trna57-Ser-CGA -GCCUGCGCAGGUUCGAAUCCUGCUGUCGACG 82
chr-3.trna56-Ser-CGA -GCCUGCGCAGGUUCGAAUCCUGCUGUCGACG 82
chr-5.trna25-Ser-CGA -GCCUGCGCAGGUUCGAAUCCUGCUGUCGACG 82
chr-2.trna68-Ser-CGA -GCCCGCGCAGGUUCGAAUCCUGCUGUCGACG 82
chr-6.trna9-Ser-CGA -GCCCGCGCAGGUUCGAAUCCUGCUGUCGACG 82
chr-7.trna32-Ser-TGA -GCCCGCGCAGGUUCGAACCCUGCUGUCGACG 82
chr-7.trna31-Ser-TGA -GCCCGCGCAGGUUCGAACCCUGCUGUCGACG 82
chr-6.trna13-Ser-TGA -GCCCGCGCAGGUUCGAACCCUGCUGUCGACG 82
chr-1.trna4-Ser-TGA -GCCCGCGCAGGUUCGAACCCUGCUGUCGACG 82
chr-3.trna25-Ser-TGA -GCCCGCGCAGGUUCGAACCCUGCUGUCGACG 82
chr-11.trna2-Ser-TGA -GCCCGCGCAGGUUCGAACCCUGCUGUCGACG 82
chr-5.trna5-Ser-TGA -GCCCGCGCAGGUUCGAACCCUGCUGUCGACG 82
chr-1.trna3-Ser-TGA -GCCCGCGCAGGUUCGAACCCUGCUGUCGACG 82
chr-7.trna21-Ser-GCT -CCCCGCGAGAGUUCGAAUCUCUCAGGCGUCG 80
chr-7.trna36-Ser-GCT -CCCCGCGAGAGUUCGAAUCUCUCAGGCGUCG 82
chr-8.trna44-Ser-GCT -CCCCGCGAGAGUUCGAAUCUCUCAGGCGUCG 82
chr-6.trna36-Ser-GCT -CCCCGCGAGAGUUCGAAUCUCUCAGGCGUCG 82
chr-6.trna35-Ser-GCT -CCCCGCGAGAGUUCGAAUCUCUCAGGCGUCG 82
chr-6.trna27-Ser-GCT -CCCCGCGAGAGUUCGAAUCUCUCAGGCGUCG 82
chr-2.trna84-Ser-GCT -CCCCGCGAGAGUUCGAAUCUCUCAGGCGUCG 82
chr-7.trna20-Ser-GCT -CCCCGCGAGAGUUCGAAUCUCUCAGGCGUCG 82
chr-11.trna15-Ser-GCT -CCCCGCGAGAGUUCGAAUCUCUCAGGCGUCG 82
chr-7.trna22-Ser-GCT -CCCCGCGAGAGUUCGAAUCUCUCAGGCGUCG 82
chr-5.trna28-Ser-GCT UUGUACCGAGGGUUCGAAUCCCUCUCUUUCCG 92
.........70........80........90.