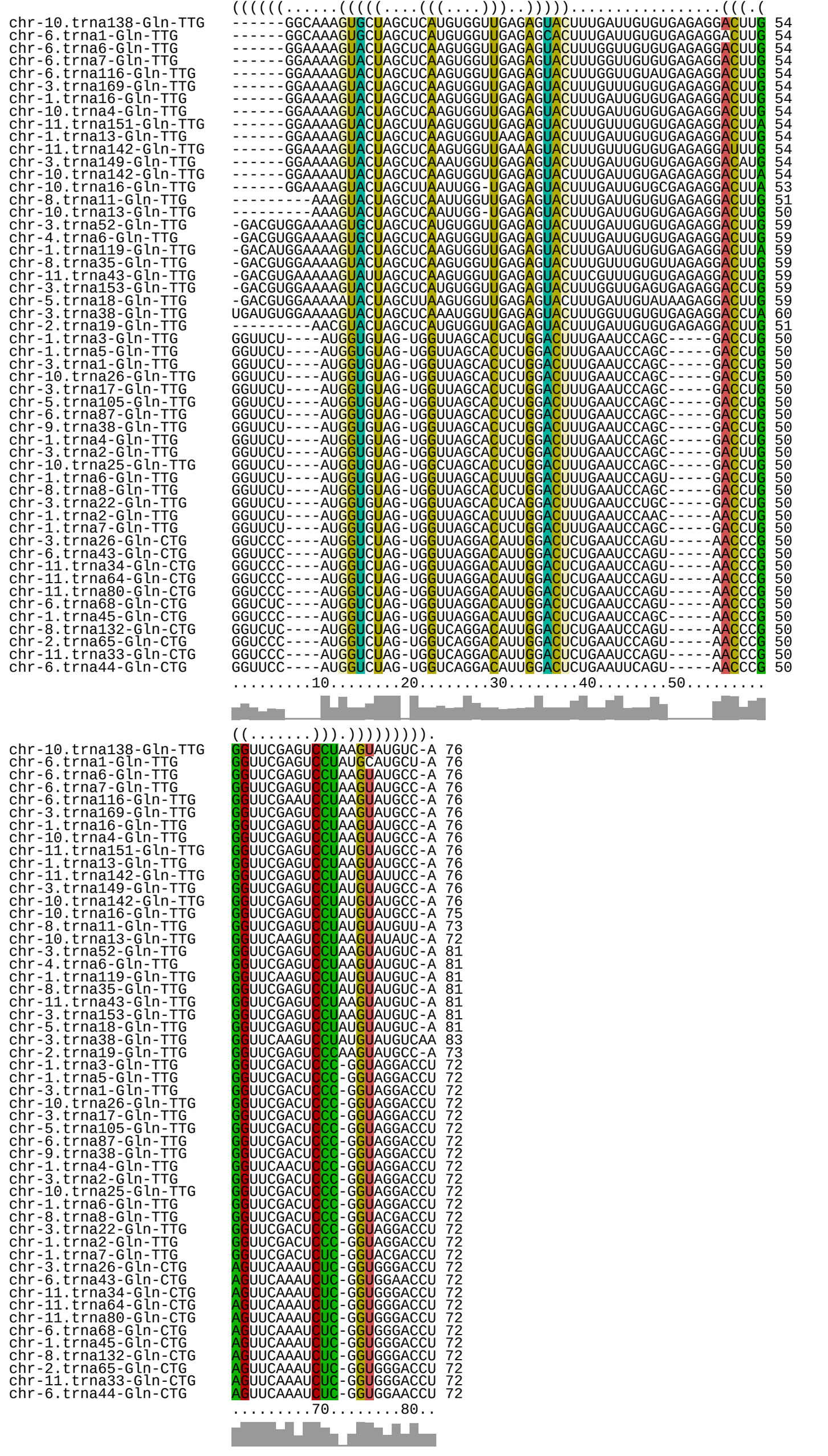
((((((.....(((((....(((....)))..)))))..................(((.(
chr-10.trna138-Gln-TTG ------GGCAAAGUGCUAGCUCAUGUGGUUGAGAGUACUUUGAUUGUGUGAGAGGACUUG 54
chr-6.trna1-Gln-TTG ------GGCAAAGUGCUAGCUCAUGUGGUUGAGAGCACUUUGAUUGUGUGAGAGGACUUG 54
chr-6.trna6-Gln-TTG ------GGAAAAGUACUAGCUCAAGUGGUUGAGAGUACUUUGGUUGUGUGAGAGGACUUG 54
chr-6.trna7-Gln-TTG ------GGAAAAGUACUAGCUCAAGUGGUUGAGAGUACUUUGGUUGUGUGAGAGGACUUG 54
chr-6.trna116-Gln-TTG ------GGAAAAGUACUAGCUCAAGUGGUUGAGAGUACUUUGGUUGUAUGAGAGGACUUG 54
chr-3.trna169-Gln-TTG ------GGAAAAGUACUAGCUCAAGUGGUUGAGAGUACUUUGUUUGUGUGAGAGGACUUG 54
chr-1.trna16-Gln-TTG ------GGAAAAGUACUAGCUCAAGUGGUUGAGAGUACUUUGAUUGUGUGAGAGGACUUG 54
chr-10.trna4-Gln-TTG ------GGAAAAGUACUAGCUCAAGUGGUUGAGAGUACUUUGAUUGUGUGAGAGGACUUG 54
chr-11.trna151-Gln-TTG ------GGAAAAGUACUAGCUUAAGUGGUUGAGAGUACUUUGUUUGUGUGAGAGGACUUA 54
chr-1.trna13-Gln-TTG ------GGAAAAGUACUAGCUCAAGUGGUUAAGAGUACUUUGAUUGUGUGAGAGGACUUG 54
chr-11.trna142-Gln-TTG ------GGAAAAGUACUAGCUCAAGUGGUUGAAAGUACUUUGUUUGUGUGAGAGGAUUUG 54
chr-3.trna149-Gln-TTG ------GGAAAAGUACUAGCUCAAAUGGUUGAGAGUACUUUGAUUGUGUGAGAGGACAUG 54
chr-10.trna142-Gln-TTG ------GGAAAAUUACUAGCUCAAGUGGUUGAGAGUACUUUGAUUGUGAGAGAGGACUUA 54
chr-10.trna16-Gln-TTG ------GGAAAAGUACUAGCUUAAUUGG-UGAGAGUACUUUGAUUGUGCGAGAGGACUUA 53
chr-8.trna11-Gln-TTG ---------AAAGUACUAGCUCAAUUGGUUGAGAGUACUUUGAUUGUGUGAGAGGACUUG 51
chr-10.trna13-Gln-TTG ---------AAAGUACUAGCUCAAUUGG-UGAGAGUACUUUGAUUGUGUGAGAGGACUUG 50
chr-3.trna52-Gln-TTG -GACGUGGAAAAGUGCUAGCUCAUGUGGUUGAGAGUACUUUGAUUGUGUGAGAGGACUUG 59
chr-4.trna6-Gln-TTG -GACGUGGAAAAGUGCUAGCUCAAGUGGUUGAGAGUACUUUGAUUGUGUGAGAGGACUUG 59
chr-1.trna119-Gln-TTG -GACAUGGAAAAGUACUAGCUCAAGUGGUUGAGAGUACUUUGAUUGUGUGAGAGGACUUA 59
chr-8.trna35-Gln-TTG -GACGUGGAAAAGUACUAGCUCAAGUGGUUGAGAGUACUUUGUUUGUGUUAGAGGACUUG 59
chr-11.trna43-Gln-TTG -GACGUGAAAAAGUAUUAGCUCAAGUGGUUGAGAGUACUUCGUUUGUGUGAGAGGACUUG 59
chr-3.trna153-Gln-TTG -GACGUGGAAAAGUACUAGCUCAUGUGGUUGAGAGUACUUUGGUUGAGUGAGAGGACCUG 59
chr-5.trna18-Gln-TTG -GACGUGGAAAAAUACUAGCUUAAGUGGUUGAGAGUACUUUGAUUGUAUAAGAGGACUUG 59
chr-3.trna38-Gln-TTG UGAUGUGGAAAAGUACUAGCUCAAAUGGUUGAGAGUACUUUGGUUGUGUGAGAGGACCUA 60
chr-2.trna19-Gln-TTG ---------AACGUACUAGCUCAUGUGGUUGAGAGUACUUUGAUUGUGUGAGAGGACUUG 51
chr-1.trna3-Gln-TTG GGUUCU----AUGGUGUAG-UGGUUAGCACUCUGGACUUUGAAUCCAGC-----GACCUG 50
chr-1.trna5-Gln-TTG GGUUCU----AUGGUGUAG-UGGUUAGCACUCUGGACUUUGAAUCCAGC-----GACCUG 50
chr-3.trna1-Gln-TTG GGUUCU----AUGGUGUAG-UGGUUAGCACUCUGGACUUUGAAUCCAGC-----GACCUG 50
chr-10.trna26-Gln-TTG GGUUCU----AUGGUGUAG-UGGUUAGCACUCUGGACUUUGAAUCCAGC-----GACCUG 50
chr-3.trna17-Gln-TTG GGUUCU----AUGGUGUAG-UGGUUAGCACUCUGGACUUUGAAUCCAGC-----GACCUG 50
chr-5.trna105-Gln-TTG GGUUCU----AUGGUGUAG-UGGUUAGCACUCUGGACUUUGAAUCCAGC-----GACCUG 50
chr-6.trna87-Gln-TTG GGUUCU----AUGGUGUAG-UGGUUAGCACUCUGGACUUUGAAUCCAGC-----GACCUG 50
chr-9.trna38-Gln-TTG GGUUCU----AUGGUGUAG-UGGUUAGCACUCUGGACUUUGAAUCCAGC-----GACCUG 50
chr-1.trna4-Gln-TTG GGUUCU----AUGGUGUAG-UGGUUAGCACUCUGGACUUUGAAUCCAGC-----GACCUG 50
chr-3.trna2-Gln-TTG GGUUCU----AUGGUGUAG-UGGUUAGCACUCUGGACUUUGAAUCCAGC-----GACCUG 50
chr-10.trna25-Gln-TTG GGUUCU----AUGGUGUAG-UGGCUAGCACUCUGGACUUUGAAUCCAGC-----GACCUG 50
chr-1.trna6-Gln-TTG GGUUCU----AUGGUGUAG-UGGUUAGCACUUUGGACUUUGAAUCCAGU-----GACCUG 50
chr-8.trna8-Gln-TTG GGUUCU----AUGGUGUAG-UGGUUAGCACUCUGGACUUUGAAUCCAGC-----GACCUG 50
chr-3.trna22-Gln-TTG GGUUCU----AUGGUGUAG-UGGUUAGCACUCAGGACUUUGAAUCCUGC-----GACCUG 50
chr-1.trna2-Gln-TTG GGUUCU----AUGGUGUAG-UGGUUAGCACUUUGGACUUUGAAUCCAAC-----AACCUG 50
chr-1.trna7-Gln-TTG GGUUCU----AUGGUGUAG-UGGUUAGCACUCUGGACUUUGAAUCCAGC-----GACCUG 50
chr-3.trna26-Gln-CTG GGUCCC----AUGGUCUAG-UGGUUAGGACAUUGGACUCUGAAUCCAGU-----AACCCG 50
chr-6.trna43-Gln-CTG GGUUCC----AUGGUCUAG-UGGUUAGGACAUUGGACUCUGAAUCCAGU-----AACCCG 50
chr-11.trna34-Gln-CTG GGUCCC----AUGGUCUAG-UGGUUAGGACAUUGGACUCUGAAUCCAGU-----AACCCG 50
chr-11.trna64-Gln-CTG GGUCCC----AUGGUCUAG-UGGUUAGGACAUUGGACUCUGAAUCCAGU-----AACCCG 50
chr-11.trna80-Gln-CTG GGUCCC----AUGGUCUAG-UGGUUAGGACAUUGGACUCUGAAUCCAGU-----AACCCG 50
chr-6.trna68-Gln-CTG GGUCUC----AUGGUCUAG-UGGUUAGGACAUUGGACUCUGAAUCCAGU-----AACCCG 50
chr-1.trna45-Gln-CTG GGUCCC----AUGGUCUAG-UGGUUAGGACAUUGGACUCUGAAUCCAGC-----AACCCG 50
chr-8.trna132-Gln-CTG GGUCUC----AUGGUCUAG-UGGUCAGGACAUUGGACUCUGAAUCCAGU-----AACCCG 50
chr-2.trna65-Gln-CTG GGUCCC----AUGGUCUAG-UGGUCAGGACAUUGGACUCUGAAUCCAGU-----AACCCG 50
chr-11.trna33-Gln-CTG GGUCCC----AUGGUCUAG-UGGUCAGGACAUUGGACUCUGAAUCCAGU-----AACCCG 50
chr-6.trna44-Gln-CTG GGUUCC----AUGGUCUAG-UGGUCAGGACAUUGGACUCUGAAUUCAGU-----AACCCG 50
.........10........20........30........40........50.........
((.......))).)))))))))).
chr-10.trna138-Gln-TTG GGUUCGAGUCCUAAGUAUGUC-A 76
chr-6.trna1-Gln-TTG GGUUCGAGUCCUAUGCAUGCU-A 76
chr-6.trna6-Gln-TTG GGUUCGAGUCCUAAGUAUGCC-A 76
chr-6.trna7-Gln-TTG GGUUCGAGUCCUAAGUAUGCC-A 76
chr-6.trna116-Gln-TTG GGUUCGAAUCCUAAGUAUGCC-A 76
chr-3.trna169-Gln-TTG GGUUCGAGUCCUAAGUAUGCC-A 76
chr-1.trna16-Gln-TTG GGUUCGAGUCCUAAGUAUGCC-A 76
chr-10.trna4-Gln-TTG GGUUCGAGUCCUAAGUAUGCC-A 76
chr-11.trna151-Gln-TTG GGUUCGAGUCCUAUGUAUGCC-A 76
chr-1.trna13-Gln-TTG GGUUCGAGUCCUAAGUAUGCC-A 76
chr-11.trna142-Gln-TTG GGUUCGAGUCCUAUGUAUUCC-A 76
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chr-10.trna16-Gln-TTG GGUUCGAGUCCUAUGUAUGCC-A 75
chr-8.trna11-Gln-TTG GGUUCGAGUCCUAUGUAUGUU-A 73
chr-10.trna13-Gln-TTG GGUUCAAGUCCUAAGUAUAUC-A 72
chr-3.trna52-Gln-TTG GGUUCGAGUCCUAAGUAUGUC-A 81
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chr-3.trna38-Gln-TTG GGUUCAAGUCCUAUGUAUGUCAA 83
chr-2.trna19-Gln-TTG GGUUCGAGUCCCAAGUAUGCC-A 73
chr-1.trna3-Gln-TTG GGUUCGACUCCC-GGUAGGACCU 72
chr-1.trna5-Gln-TTG GGUUCGACUCCC-GGUAGGACCU 72
chr-3.trna1-Gln-TTG GGUUCGACUCCC-GGUAGGACCU 72
chr-10.trna26-Gln-TTG GGUUCGACUCCC-GGUAGGACCU 72
chr-3.trna17-Gln-TTG GGUUCGACUCCC-GGUAGGACCU 72
chr-5.trna105-Gln-TTG GGUUCGACUCCC-GGUAGGACCU 72
chr-6.trna87-Gln-TTG GGUUCGACUCCC-GGUAGGACCU 72
chr-9.trna38-Gln-TTG GGUUCGACUCCC-GGUAGGACCU 72
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chr-6.trna44-Gln-CTG AGUUCAAAUCUC-GGUGGAACCU 72
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