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                                 (((((((..(((.(((.....)))..)))((((((.....))))))((.....)))..
chr-1.trna83-Leu-CAA    GUCAGGAUGGCCGAG-UGGUCUAAGGCGCCAGACUCAAGUUCUGGUCUUCGAAAGAGGGC 59
chr-1.trna92-Leu-CAA    GUCAGGAUGGCCGAG-UGGUCUAAGGCGCCAGACUCAAGUUCUGGUCUUCGAAAGAGGGC 59
chr-4.trna28-Leu-CAA    GUCAGGAUGGCCGAG-UGGUCUAAGGCGCCAGACUCAAGUUCUGGUCUUCGAAAGAGGGC 59
chr-7.trna27-Leu-CAA    GUCAGGGUGGCCGAG-UGGUCUAAGGCGCCAGACUCAAGUUCUGGUCCUCGUAAGAGGGC 59
chr-8.trna57-Leu-CAA    GUCAGGGUGGCCGAG-UGGUCUAAGGCGCCAGACUCAAGUUCUGGUCCUCUUACGAGGGC 59
chr-6.trna28-Leu-CAA    GUCAGGAUGGCCGAG-UGGUCUAAGGCGCCAGACUCAAGUUCUGGUCCUCUAACGAGGGC 59
chr-6.trna40-Leu-CAA    GUCAGGAUGGCCGAG-UGGUCUAAGGCGCCAGACUCAAGUUCUGGUCCUCUAACGAGGGC 59
chr-8.trna9-Leu-CAA     GUCAGGAUGGCCGAG-UGGUCUAAGGCGCCAGACUCAAGUUCUGGUCCUCUAACGAGGGC 59
chr-2.trna62-Leu-CAA    GUCAGGAUGGCCGAG-UGGUCUAAGGCGCCGCACUCAAGUUGCGGUCUUCUAACGAGGGC 59
chr-1.trna93-Leu-CAA    GUCAGGAUGGCCGAG-UGGUCUAAAGCGCCAGACUCAAGUUCUGGUCUUCGAAAGAGGGC 59
chr-3.trna13-Leu-TAA    GCAGGUUUGCCCGAG-AGGU-UAAGGGGGAAGACUUAAGUUCUUCUGCACAUCAGUGCGC 58
chr-5.trna21-Leu-TAA    GCAGGUUUGCCCGAG-AGGU-UAAGGGGGAAGACUUAAGUUCUUCUGCACAUUAGUGCGC 58
chr-4.trna32-Leu-TAA    GCAGGUUUGCCCGAG-UGGU-UAAGGGGGCAGACUUAAGUUCUGCUGCACAAUAGUGCGC 58
chr-8.trna4-Leu-TAA     GCAGGUUUGCCCGAG-UGGU-UAAGGGGGUAGACUUAAGUUCUACUGCACAAUAGUGCGC 58
chr-4.trna54-Leu-TAA    GCAGGUUUGCCCGAG-AGGU-UAAGGGGGCAGACUUAAGUUCUGCUGCACAAUAGUGCGC 58
chr-8.trna80-Leu-TAG    GACAGUUUGGCCGAG-UGGUCUAAGGUGCCAGAUUUAGGCUCUGAUCCGUUA---AGGGC 56
chr-8.trna81-Leu-TAG    GACAGUUUGGCCGAG-UGGUCUAAGGUGCCAGAUUUAGGCUCUGAUCCGUUA---AGGGC 56
chr-3.trna27-Leu-TAG    GACAGUUUGGCCGAG-UGGUCUAAGGCGCCAGAUUUAGGCUCUGGUCCG-CA---AGGGC 55
chr-4.trna31-Leu-TAG    GACAGUUUGGCCGAG-UGGUCUAAGGCGCCAGAUUUAGGCUCUGGUCCG-CA---AGGGC 55
chr-8.trna82-Leu-TAG    GACAGUUUGGCCGAG-UGGUCUAAGGCGCCAGAUUUAGGCUCUGGUCCG-CA---AGGGC 55
chr-5.trna19-Leu-TAG    GACAGUUUGGCCGAG-UGGUCUAAGGCGCCAGAUUUAGGCUCUGGUCCG-CA---AGGGC 55
chr-6.trna14-Leu-TAG    GACAGUUUGGCCGAG-UGGUCUAAGGCGCCAGAUUUAGGCUCUGGUCCG-AA---AGGGC 55
chr-4.trna68-Leu-TAG    GACAGUUUGGCCGAG-UGGUCUAAGGCGCCAGAUUUAGGCUCUGGUCCG-AA---AGGGC 55
chr-7.trna20-Leu-TAG    GACAGUUUGGCCGAG-UGGUCUAAGGCGCCAGAUUUAGGCUCUGGUCCG-AA---AGGGC 55
chr-1.trna22-Leu-TAG    GACAAUUUGGCCGAG-UGGUCUAAGGCGCCAGAUUUAGGCUCUGGUCCG-AA---AGGGC 55
chr-2.trna17-Leu-CAG    GUCAAGAUGGCCGAG-CGGUCUAAGGCGCCAGUUUCAGGUACUGGUCCG-AA---AGGGC 55
chr-1.trna29-Leu-CAG    GUCAAGAUGGCCGAGUUGGUCUAAGGCGCCAGUUUCAGGUACUGGCCCG-AA---AGGGC 56
chr-1.trna79-Leu-CAG    GUCAAGAUGGCCGAGUUGGUCUAAGGCGCCAGUUUCAGGUACUGGUCCG-AA---AGGGC 56
chr-6.trna27-Leu-AAG    GUUGAUAUGGCCGAGUUGGUCUAAGGCGCCAGAUUAAGGUUCUGGUCCG-AA---AGGGC 56
chr-2.trna37-Leu-AAG    GUUGAUAUGGCCGAGUUGGUCUAAGGCGCCAGAUUAAGGUUCUGGUCCG-AA---AGGGC 56
chr-6.trna20-Leu-AAG    GUUGAUAUGGCCGAGUUGGUCUAAGGCGCCAGAUUAAGGUUCUGGUCCG-AA---AGGGC 56
chr-8.trna11-Leu-AAG    GUUGAUAUGGCCGAGUUGGUCUAAGGCGCCAGAUUAAGGUUCUGGUCCG-AA---AGGGC 56
chr-6.trna35-Leu-AAG    GUUGAUAUGGCCGAGUUGGUCUAAGGCGCCAGAUUAAGGUUCUGGUCCG-AA---AGGGC 56
chr-5.trna53-Leu-AAG    GUUGAUAUGGCCGAGUUGGUCUAAGGCGCCAGAUUAAGGUUCUGGUCCG-AA---AGGGC 56
chr-5.trna31-Leu-AAG    GUUGAUAUGGCCGAGUUGGUCUAAGGCGCCAGAUUAAGGUUCUGGUCCG-AA---AGGGC 56
chr-8.trna42-Leu-AAG    GUUGAUAUGGCCGAGUUGGUCUAAGGCGCCAGAUUAAGGUUCUGGUCCG-AA---AGGGC 56
chr-8.trna84-Leu-AAG    GUUGAUAUGGCCGAGUUGGUCUAAGGCGCCAGAUUAAGGUUCUGGUCCG-AA---AGGGC 56
chr-3.trna19-Leu-AAG    GUUGAUAUGGCCGAGUUGGUCUAAAGCGCUGGAUUAAGGUUCCAGUCCG-UA---AGGGC 56
chr-5.trna59-Leu-TAG    GCCGCUAUGGUGAAAUUGGU-AGACACGCUGCUCUUAGGAAGCAGUGCU----AGAGCAU 55
chr-4.trna52-Leu-CAA    GCGUUGGUGGUGAAA-UGGU-AGACACGCAAGACUCAAAAUCUCGUGCUAAAA--AGCGU 56
chr-4.trna58-Leu-TAA    GUUUUGGUGGUGAAA-UGGU-AGACACACGAGACUUAAAGUCUCGUGCUAAAA--AGUGU 56
chr-3.trna24-Leu-CAA    CACGGGGUAGAGCAGUUUGG-UAGCUCGCAAGGCUCAAAACCUUG----------AGGUC 49
                        .........10........20........30........40........50.........
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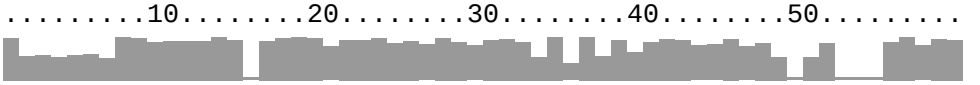
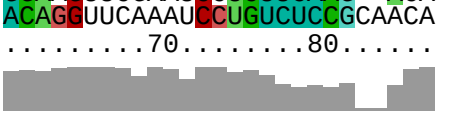
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                        (((((.......)))))))))).)).
chr-1.trna83-Leu-CAA    GUGGGUUCAAAUCCAACUUCUG--ACA 84
chr-1.trna92-Leu-CAA    GUGGGUUCAAACCCCACUUCUG--ACA 84
chr-4.trna28-Leu-CAA    GUGGGUUCAAACCCCACUUCUG--ACA 84
chr-7.trna27-Leu-CAA    GUGGGUUCAAAUCCCAUUUCUG--ACA 84
chr-8.trna57-Leu-CAA    GUGGGUUCAAAUCCCACUUCUG--ACA 84
chr-6.trna28-Leu-CAA    GUGGGUUCAAACCCCACUUCUG--ACA 84
chr-6.trna40-Leu-CAA    GUGGGUUCAAACCCCACUUCUG--ACA 84
chr-8.trna9-Leu-CAA     GUGGGUUCAAACCCCACUUCUG--ACA 84
chr-2.trna62-Leu-CAA    GUGGGUUCAAAUCCCACUUCUG--ACA 84
chr-1.trna93-Leu-CAA    GUGGGUUAAAAUCCCACUUCUG--ACA 84
chr-3.trna13-Leu-TAA    GUGGGUUCGAACCCCACAGCCU--GCA 83
chr-5.trna21-Leu-TAA    GUGGGUUCGAACCCCACAGCCU--GCA 83
chr-4.trna32-Leu-TAA    GUGGGUUCGAACCCCACAGCCU--GCA 83
chr-8.trna4-Leu-TAA     GUGGGUUCGAACCCCACAGCCU--GCA 83
chr-4.trna54-Leu-TAA    GUGGGUUCGAACCCCACAGCCU--GCA 83
chr-8.trna80-Leu-TAG    GUGGGUUCAAAUCCCACAACUG--UAA 81
chr-8.trna81-Leu-TAG    GUGGGUUCAAAUCCCACAACUG--UAA 81
chr-3.trna27-Leu-TAG    GUGGGUUCAAAUCCCACAGCUG--UCA 80
chr-4.trna31-Leu-TAG    GUGGGUUCAAAUCCCACAGCUG--UCA 80
chr-8.trna82-Leu-TAG    GUGGGUUCAAAUCCCACAGCUG--UCA 80
chr-5.trna19-Leu-TAG    GUGGGUUCAAAUCCCACAGCUG--UCA 80
chr-6.trna14-Leu-TAG    GUGGGUUCAAAUCCCACAGCUG--UCA 80
chr-4.trna68-Leu-TAG    GUGGGUUCAAAUCCCACAGCUG--UCA 80
chr-7.trna20-Leu-TAG    GUGGGUUCAAAUCCCACAGCUG--UCA 80
chr-1.trna22-Leu-TAG    GUGGGUUCAAAUCCCACAGUUG--UCA 80
chr-2.trna17-Leu-CAG    AUGGGUUCAAAUCCCAUUCUUG--ACA 81
chr-1.trna29-Leu-CAG    AUGGGUUCAAAUCCCAUUCUUG--ACA 81
chr-1.trna79-Leu-CAG    GUGGGUUCAAAUCCCACUCUUG--ACA 81
chr-6.trna27-Leu-AAG    GUGGGUUCAAAUCCCACUGUCA--ACA 81
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chr-5.trna59-Leu-TAG    CUCGGUUCGAGUCCGAGUAGCG--GCA 80
chr-4.trna52-Leu-CAA    GGAGGUUCGAGUCCUCUUCAAG--GCA 81
chr-4.trna58-Leu-TAA    GGAAGUUCGAAUCCUCUUCAAG--ACA 81
chr-3.trna24-Leu-CAA    ACAGGUUCAAAUCCUGUCUCCGCAACA 76
                        .........70........80......
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