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                                 (((((((..(((.............)))(((((.......)))))))(........)).
chr-9.trna13-Leu-TAG             ACCUACUUAACUCAG--UGGU-UAGAG-UAUUGCUUUUAGA-CGAUG--------GGAGU 47
chr-6.trna78-Leu-CAA             GCAUCCAUGGCUGAA--UGGU-UAAAGCGCCUAACUCAUGA-CGGGC--------GAAUU 48
chr-1.trna49-Leu-TAG             AGGGAUGUAGUGCAGCUUGGUAGUGCAUUUGU---UUUAGG-UACAA--------AAUGU 48
chr-11.trna67-Leu-CAA            GCCUUGGUGGUGAAA--UGGUAGACACCCGAGA-CUCAAAA-UCUC----------AUG 45
chr-1.trna6-Leu-CAA              GUCAGGGUGGCCGAG--UGGUCUGAGGCGCCAGACUCAAGUUCUGGUCCUCGU-AGAGGG 57
chr-6.trna19-Leu-CAA             GUCAGGAUGGCCGAG--UGGUCUAAGGCGCCAGACUCAAGUUCUGGUCCUCGAUAGAGGG 58
chr-5.trna30-Leu-CAA             GUCAGGAUGGCCGAG--UGGUCUAAGGCGCCAGACUCAAGUUCUGGUCCUCGUUAGAGGG 58
chr-9.trna58-Leu-CAA             GUCAGGAUGGCCGAG--UGGUCUAAGGCGCCAGACUCAAGUUCUGGUCCUCGUUAGAGGG 58
chr-11.trna10-Leu-CAA            GUCAGGAUGGCCGAG--UGGUCUAAGGCGCCAGACUCAAGUUCUGGUCCUCGUGAGAGGG 58
chr-10.trna35-Leu-CAA            GUCAGGAUGGCCGAG--UGGUCUAAGGCGCCAGACUCAAGUUCUGGUCUUCGGAAGAGGG 58
chr-1.trna90-Leu-CAA             GUCAGGAUGGCCGAG--UGGUCUAAGGCGCCAGACUCAAGUUCUGGUCCUCGUAUGAGGG 58
chr-6.trna94-Leu-CAA             GUUAGGAUGGCCGAG--UGGUCUAAGGCGCCAGACUCAAGUUCUGGUCCUCUUACGAGGG 58
chr-2.trna1-Leu-TAA              GCUGGUUUGCCCGAG--UGGU-UAAGGGGGAGACUUAAGAUCUCCUGCACAUAAGUGCG 57
chr-3.trna1-Leu-TAA              GCUGGUUUGCCCGAG--AGGU-UAAGGGGGAAGACUUAAGAUCUUCUGCACAUAAGUGCG 57
chr-12.trna36-Leu-TAA            GCAGGUUUGCCCGAG--AGGU-UAAGGGGGUAGACUUAAGAUCUACUGCACAGAAGUGCG 57
chr-10.trna28-Leu-TAA            GCUGGUUUGCCCGAG--AGGU-UAAGGGGGAAGACUUAAGAUCUUCUGCACAUAAGUGCG 57
chr-1.trna98-Leu-TAG             GACAGUUUGGCCGAG--UGGUCUAAGGCGCCAGAUUUAGGCUCUGGUCC----GAAAGGG 54
chr-3.trna19-Leu-TAG             GACAGUUUGGCCGAG--UGGUCUAAGGCGCCAGAUUUAGGCUCUGGUCC----GAAAGGG 54
chr-5.trna18-Leu-TAG             GACAGUUUGGCCGAG--UGGUCUAAGGCGCCAGAUUUAGGCUCUGGUCC----GAAAGGG 54
chr-5.trna48-Leu-TAG             GACAGUUUGGCCGAG--UGGUCUAAGGCGCCAGAUUUAGGCUCUGGUCC----GAAAGGG 54
chr-5.trna49-Leu-TAG             GACAGUUUGGCCGAG--UGGUCUAAGGCGCCAGAUUUAGGCUCUGGUCC----GAAAGGG 54
chr-12.trna37-Leu-TAG            GACAGUUUGGCCGAG--UGGUCUAAGGCGCCAGAUUUAGGCUCUGGUCC----GGAAGGG 54
chr-4.trna43-Leu-TAG             GACAGUUUGGCCGAG--UGGUCUAAGGCGCCAGAUUUAGGCUCUGGUCC----GGAAGGG 54
chr-4.trna29-Leu-CAG             GUCAAGAUGGCCGAG-UUGGUCUAAGGCGCCAGUUUCAGGUACUGGUCC----GAAAGGG 55
chr-4.trna56-Leu-CAG             GUCAAGAUGGCCGAG-UUGGUCUAAGGCGCCAGUUUCAGGUACUGGUCC----GAAAGGG 55
chr-5.trna17-Leu-CAG             GUCAAGAUGGCCGAG-UUGGUCUAAAGCGCCAGUUUCAGGUACUGGUCC----GAAAGGG 55
chr-12.trna25-Leu-AAG            GUUGAGAUGGCCGAG-UUGGUCUAAGGCGCCAGAUUAAGGUUCUGGUCC----GAAAGGG 55
chr-6.trna58-Leu-AAG             GUUGAGAUGGCCGAG-UUGGUCUAAGGCGCCAGAUUAAGGUUCUGGUCC----GAAAGGG 55
chr-12.trna41-Leu-AAG            GUUGAGAUGGCCGAG-UUGGUCUAAGGCGCCAGAUUAAGGUUCUGGUCC----GAAAGGG 55
chr-12.trna34-Leu-AAG            GUUGAGAUGGCCGAG-UUGGUCUAAGGCGCCAGAUUAAGGUUCUGGUCC----GAAAGGG 55
chr-8.trna78-Leu-AAG             GUUGAGAUGGCCGAG-UUGGUCUAAGGCGCCAGAUUAAGGUUCUGGUCC----GAAAGGG 55
chr-8.trna79-Leu-AAG             GUUGAGAUGGCCGAG-UUGGUCUAAGGCGCCAGAUUAAGGUUCUGGUCC----GAAAGGG 55
chr-12.trna42-Leu-AAG            GUUGAGAUGGCCGAG-UUGGUCUAAGGCGCCAGAUUAAGGUUCUGGUCC----GAAAGGG 55
chr-9.trna10-Leu-AAG             GUUGAGAUGGCCGAG-UUGGUCUAAGGCGCCAGAUUAAGGUUCUGGUCC----GAAAGGG 55
chr-12.trna24-Leu-AAG            GUUGAGAUGGCCGAG-UUGGUCUAAGGCGCCAGAUUAAGGUUCUGGUCC----GAAAGGG 55
chr-10.trna4-Leu-AAG             GUGGAGAUGGCCGAG-UUGGUCUAAGGCGCCAGAUUAAGGUUCUGGUCC----GAAAGGG 55
chr-2.trna30-Leu-TAG             GCCACUAUGGUGAAA-UCGGU-AGACACGCUGCUCUUAGAAAGCAGUGC----UAGAGCA 54
chr-11.trna61-Leu-TAG            GCUGCUAUGGUGAAA-UCGGU-AGACACUCUGCUCUUAGAAAGCAGUGC----UAGAGCA 54
chr-11.trna49-Leu-TAG            GCCGUUAGGGUGAAA-UCGGU-AGACACUCUGCUUUUAGGAAGCAGUGC----UAGAGCA 54
chr-6.trna82-Leu-TAG             ACCGCUAUGGUGAAA-UUGGU-AGACACGCUGCUUUUAGGAAGCAGUGG----UACAGCA 54
chr-2.trna102-Leu-TAG            GCCACUAUGGUGAAA-UCGGU-AGACACGCUGCUCUUAGAAAGCAGUGC----UAGAGCA 54
chr-5.trna61-Leu-TAG             GC---UAUGGUGAAA-UUGGU-AGACACGCUGCUCUUAGGAAGCAGUGC----UAGAGCA 51
chr-1.trna23-Leu-CAA             GCCUUGGUGGUGAAA--UGG----ACACGUGAGACUCAAAAUCUCGUGCU--AAAGAGUG 52
chr-11.trna21-Leu-CAA            GCCUUGGUGGUGAAA--UGGU-AGACAUGCGAGACUCAAAAUCUCAUGCU--AAAGAGCG 55
chr-1.trna47-Leu-CAA             GCCUUGGUGGUGAAA--UGGU-AGACACGCGAGACUCAAAAUCUCAUACU--AAAGAGCA 55
chr-6.trna40-Leu-CAA             GCCUUGGUGGUGAAA--UGGU-AGACACACGAGACUCAAAAUCUCGUGCU--AAAGAGCA 55
chr-11.trna32-Leu-CAA            GCCUUGGUGGUGAAA--UGGU-AGACACACGAGACUCAAGAUCUCAUGCU--AAAGAGCA 55
chr-1.trna69-Leu-CAA             GCCUUGGUGGUGAAA--UGGU-AGACACGCGAGACUCAAAAUCUUAUGCU--AAAGAGCA 55
chr-6.trna20-Leu-CAA             GCCUUGGUGGUGAAA--UGGU-AGACACGCGAAACUCAAAAUCUCAUGCU--AAAGAGCG 55
chr-6.trna43-Leu-TAA             GCCUUGAUGGUGAAA--UGGU-AGACACGCGAGACUUAAGAUCUCAUGCU--AAAAAGCA 55
chr-11.trna19-Leu-CAA            GCCUUAGUGGUGAAA--AGGU-AGACACGCGAGACUCAAAAUCUCGUGCU--AAAGAGCG 55
chr-10.trna47-Leu-CAA            GCCUUGGUGGUGAAA--UGGU-AGACACGCGAGAUUCAAAAUCUCGUGCU--AAAGAGCA 55
chr-6.trna28-Leu-CAA             GCUUUGGUGGUGAAA--UGGU-AUACACGUGAGACCCAAAACCUCAUGCU--AAAGAGCA 55
chr-2.trna54-Leu-CAA             GCCUUGGUGGUAAAA--UGGU-AGACACGCGAGACUCAAAAUCUUGUGCU--AAAGAGCG 55
chr-2.trna68-Leu-CAA             GCCUUGGUAGUGAAA--UGGU-AGACACACGAGACUCAAAAUCUCGUACU--AAAGAGCG 55
chr-5.trna39-Leu-CAA             GCCUUGGGGGUGAAA--UGGU-AGACACGUGAGACUCAAAAUGUCGUGCU--AAAGAGCG 55
chr-9.trna68-Leu-CAA             GCCUUGGGGGUGAAA--UGGU-AGACACGUGAGACUCAAAAUGUCGUGCU--AAAGAGCG 55
chr-8.trna42-Leu-CAA             GCCUUGGUGGUGAAA--UGGU-AGACACAUGAGACUCAAAAUCUCAAGCU--AAAGUGCG 55
chr-11.trna24-Leu-CAA            GCCUUGGUGGUGAAA--UGGU-AGACACAUGAGACUCAAAAUCUCAAGCU--AAAGUGCG 55
chr-12.trna51-Leu-CAA            GCCUUGGUGGUGAAA--UGGU-AGACACGUGAGACUCAAAAUCUCAAGCU--AAAGUGCA 55
                                 .........10........20........30........40........50.........
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                                 .(((((........))))))).....)))).
chr-9.trna13-Leu-TAG             CAUUAGUUCA-AAUCCAAUAGU-----AGGUA 73
chr-6.trna78-Leu-CAA             CAUAGGUUCA-AUUCCUACUGG-----AUGCA 74
chr-1.trna49-Leu-TAG             CAUGGGUUCA-AAUCUUGUCAU-----CCCUA 74
chr-11.trna67-Leu-CAA            C--UAGUUAA-AGUCCUCUUCA-----AGGCA 69
chr-1.trna6-Leu-CAA              CGUGGGUUCA-AAACCCACUUC-----UGACA 83
chr-6.trna19-Leu-CAA             CGUGGGUUCA-AAUCCCACUUC-----UGACA 84
chr-5.trna30-Leu-CAA             CGUGGGUUCA-AAUCCCACUUC-----UGACA 84
chr-9.trna58-Leu-CAA             CGUGGGUUCA-AAUCCCACUUC-----UGACA 84
chr-11.trna10-Leu-CAA            CGUGGGUUCA-AAUCCCACUUC-----UGACA 84
chr-10.trna35-Leu-CAA            CGUGGGUUCA-AAUCCCACUUC-----UGACA 84
chr-1.trna90-Leu-CAA             CGUGGGUUCA-AAUCCCACUUC-----UGACA 84
chr-6.trna94-Leu-CAA             CGUGGGUUCA-AAUCCCACUUC-----UGACA 84
chr-2.trna1-Leu-TAA              CGUGGGUUCG-AACCCCACAGC-----CAGCA 83
chr-3.trna1-Leu-TAA              CAUGGGUUCG-AACCCCAUAGC-----CAGCA 83
chr-12.trna36-Leu-TAA            CGUGGGUUCG-AACCCCACAGC-----CUGCA 83
chr-10.trna28-Leu-TAA            CAUGGGUUCGAAACCCCAUAGC-----CAGCA 84
chr-1.trna98-Leu-TAG             CGUGGGUUCA-AAUCCCACAGC-----UGUCA 80
chr-3.trna19-Leu-TAG             CGUGGGUUCA-AAUCCCACAGC-----UGUCA 80
chr-5.trna18-Leu-TAG             CGUGGGUUCA-AAUCCCACAGC-----UGUCA 80
chr-5.trna48-Leu-TAG             CGUGGGUUCA-AAUCCCACAGC-----UGUCA 80
chr-5.trna49-Leu-TAG             CGUGGGUUCA-AAUCCCACAGC-----UGUCA 80
chr-12.trna37-Leu-TAG            CGUGGGUUCA-AAUCCCACAGC-----UGUCA 80
chr-4.trna43-Leu-TAG             CGUGGGUUCA-AAUCCCACAGC-----UGUCA 80
chr-4.trna29-Leu-CAG             CAUGGGUUCG-AAUCCCAUUCU-----UGACA 81
chr-4.trna56-Leu-CAG             CAUGGGUUCG-AAUCCCAUUCU-----UGACA 81
chr-5.trna17-Leu-CAG             CAUGGGUUCG-AAUCCCAUUCU-----UGACA 81
chr-12.trna25-Leu-AAG            CGUGGGUUCA-AAUCCCACUCU-----CAACA 81
chr-6.trna58-Leu-AAG             CGUGGGUUCA-AAUCCCACUCU-----CAACA 81
chr-12.trna41-Leu-AAG            CGUGGGUUCA-AAUCCCACUCU-----CAACA 81
chr-12.trna34-Leu-AAG            CGUGGGUUCA-AAUCCCACUCU-----CAACA 81
chr-8.trna78-Leu-AAG             CGUGGGUUCA-AAUCCCACUCU-----CAACA 81
chr-8.trna79-Leu-AAG             CGUGGGUUCA-AAUCCCACUCU-----CAACA 81
chr-12.trna42-Leu-AAG            CGUGGGUUCA-AAUCCCACUCU-----CAACA 81
chr-9.trna10-Leu-AAG             CGUGGGUUCA-AAUCCCACUCU-----CAACA 81
chr-12.trna24-Leu-AAG            CGUGGGUUCA-AAUCCCACUCU-----CAACA 81
chr-10.trna4-Leu-AAG             CGUGGGUUCA-AAUCCCACUCU-----CCACA 81
chr-2.trna30-Leu-TAG             UCUUGGUUCU-AGUCCGAGUGG-----CGGCA 80
chr-11.trna61-Leu-TAG            UCUUGGUUCU-AGUCCGAGUGG-----CGGCA 80
chr-11.trna49-Leu-TAG            UCUUGGUUCA-AGUCCGAGUGG-----UGGAA 80
chr-6.trna82-Leu-TAG             UCUCGGUUCG-AGUCCGAGUGG-----UGGCA 80
chr-2.trna102-Leu-TAG            UCUCAGUUCG-AGUCCGAGUGGAAGCAUGGCA 85
chr-5.trna61-Leu-TAG             UCUCAGUUCG-AGUCCGAGUGG-----CUGCA 77
chr-1.trna23-Leu-CAA             UGGAGGUUCG-AGUCCUCUUCA-----AGGCA 78
chr-11.trna21-Leu-CAA            UGGAGGUUUG-AGUCCUCUUUA-----AAGCA 81
chr-1.trna47-Leu-CAA             UGGAGGUUCG-AGUCUUCUUCA-----AGGCA 81
chr-6.trna40-Leu-CAA             CGGAGAUUCG-AGUCCUCUUCA-----AGGCA 81
chr-11.trna32-Leu-CAA            UGGAGGUUCG-AGUCCUCUUCG-----AGGCA 81
chr-1.trna69-Leu-CAA             UAGAGAUUCG-AGUCCUCUUCA-----AGGCA 81
chr-6.trna20-Leu-CAA             UGGAGGUUCG-AGUCCUCUUCA-----AGGCA 81
chr-6.trna43-Leu-TAA             UGGGGGUUCG-AGUCCUCUUCA-----AGGCA 81
chr-11.trna19-Leu-CAA            UGGAGGUUUG-AGUCCUCUUCA-----AGGCA 81
chr-10.trna47-Leu-CAA            UGGAGGUUUG-AGCCCUCUUCA-----AGGCA 81
chr-6.trna28-Leu-CAA             UGGAAGUUCG-AGUCCUCUUCA-----AGGUA 81
chr-2.trna54-Leu-CAA             UGGAGGUUUG-AAUCCUCUUCA-----AGGAA 81
chr-2.trna68-Leu-CAA             UGAAGGUUCG-AGUCCUUUUCA-----AGGCA 81
chr-5.trna39-Leu-CAA             UGGAGGUUCA-AUUCAUCUUCA-----AGGCA 81
chr-9.trna68-Leu-CAA             UGGAGGUUCA-AUUCAUCUUCA-----AGGCA 81
chr-8.trna42-Leu-CAA             CAAAGAUUCA-AGUAUUUUUCA-----AGGCA 81
chr-11.trna24-Leu-CAA            CAAAGAUUCA-AGUAUUUUUCA-----AGGCA 81
chr-12.trna51-Leu-CAA            CAAAGAUUCA-AGUAUUUUUCA-----AGGCA 81
                                 .........70........80........90.
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