```
                                .(((((((..(((.....)))).....(((((.........)))))).....
chr-1.trna53-Leu-TAG     -AGCUUGUUAGCUCAAUUGGUUAGUGUUUUGUGUGUAGAUA--CACAA---------AAA 48
chr-9.trna52-Leu-CAA     -AGCUUGUUAGCUCAAUUGGUGAGUGUUUUGUGUGCAAAUA--CACAA---------AAA 48
chr-3.trna16-Leu-CAA     -AGCUUGUUAGCUCAAUUGGUGAGUGUUUUGUGUGCAAAUA--CACAA---------AAA 48
chr-3.trna88-Leu-CAA     -AGCUUGUUAGCUCAAUUGGUGAGUGUUUUGUGUGCAAAUA--CACAA---------AAA 48
chr-4.trna13-Leu-CAA     -AGCUUGUUAGCUCAAUUGGUGAGUGUUUUGUGUGCAAAUA--CACAA---------AAA 48
chr-5.trna100-Leu-CAA    -AGCUUGUUAGCUCAAUUGGUGAGUGUUUUGUGUGCAAAUA--CACAA---------AAA 48
chr-6.trna21-Leu-CAA     -AGCUUGUUAGCUCAAUUGGUGAGUGUUUUGUGUGCAAAUA--CACAA---------AAA 48
chr-6.trna38-Leu-CAA     -AGCUUGUUAGCUCAAUUGGUGAGUGUUUUGUGUGCAAAUA--CACAA---------AAA 48
chr-8.trna127-Leu-CAA    -AGCUUGUUAGCUCAAUUGGUGAGUGUUUUGUGUGCAAAUA--CACAA---------AAA 48
chr-1.trna80-Leu-CAA     -AGCUUGUUAGCUCAAUCGGUGAGUGUUUUGUGUGCAAAUA--CACAA---------AAA 48
chr-5.trna59-Leu-CAA     -AGCUUGUUAGCUCAAUUGGUGAAUGUUUUGUGUGCAAAUA--CACAA---------AAA 48
chr-6.trna25-Leu-CAA     --GCUUGUUAGCUCAAUUGGUAAGUGUUUUGUGUGCAAAUA--CACAA---------AAA 47
chr-9.trna5-Leu-CAA      -AGCCUGUUAGCUCAAUUGG-AAGAG-UAUGUAUACAAAUA--CACAA---------AAA 46
chr-9.trna93-Leu-TAG     -CCGGCCUUAGCUCAAAUGG-AAGAGUGAGAGGUUUAGGU---CCUUU---------UGG 46
chr-6.trna14-Leu-AAG     -AACCUAUUAGCUCAAUUGGCAAAACAUUGUGU----AA-G--ACACA---------ACG 43
chr-1.trna44-Leu-AAG     -AACCUAUUAGCUCAAUUGGCAAAACAUUGUGU----AA-G--ACACA---------ACG 43
chr-1.trna46-Leu-AAG     -AACCUAUUAGCUCAAUUGGCAAAACAUUGUGU----AA-G--ACACA---------ACG 43
chr-8.trna70-Leu-AAG     -AACCUAUUAGCUCAAUUGGCAAAACAUUGUGU----AA-G--ACACA---------ACG 43
chr-5.trna54-Leu-AAG     -AACCUAUUAGCUCAAUUGGCAAAACAUUGUGU----AA-G--ACACA---------ACG 43
chr-5.trna45-Leu-AAG     -AACCUAUUAGCUCAAUUGGCAAAACAUUGUGU----AA-G--ACACA---------ACG 43
chr-6.trna88-Leu-AAG     -AACCUAUUAGCUCAAUUGGCAAAACAUUGUGU----AA-G--ACACA---------ACG 43
chr-4.trna71-Leu-AAG     -AACCUAUUAGCUCAAUUGGCAAAACAUUGUGU----AA-G--ACACA---------ACG 43
chr-6.trna48-Leu-AAG     -AACCUAUUAGCUCAAUUGGCAAAACAUUGUGU----AA-G--ACACA---------ACG 43
chr-7.trna27-Leu-AAG     -AACCUAUUAGCUCAAUUGGCAAAACAUUGUGU----AA-G--ACACA---------ACG 43
chr-6.trna78-Leu-AAG     -AACCUAUUAGCUCAAUUGGCAAAACAUUGUGU----AA-G--ACACA---------ACG 43
chr-4.trna7-Leu-AAG      -AACCUAUUAGCUCAAUUGGCAAAACAUUGUGU----AA-G--ACACA---------ACG 43
chr-6.trna28-Leu-AAG     -AACCUAUUAGCUCAAUUGGCAAAACAUUGUGU----AA-G--ACACA---------ACG 43
chr-9.trna56-Leu-AAG     -AACCUAUUAGCUCAAUUGGCAAAACAUUGUGU----AA-G--ACACA---------ACG 43
chr-3.trna81-Leu-AAG     -AACCUAUUAGCUCAAUUGGCAAAACAUUGUGU----AA-G--ACACA---------ACG 43
chr-3.trna75-Leu-AAG     -AACCUAUUAGCUCAAUUGGCAAAACAUUGUGU----AA-G--ACACA---------ACG 43
chr-3.trna72-Leu-AAG     -AACCUAUUAGCUCAAUUGGCAAAACAUUGUGU----AA-G--ACACA---------ACG 43
chr-3.trna68-Leu-AAG     -AACCUAUUAGCUCAAUUGGCAAAACAUUGUGU----AA-G--ACACA---------ACG 43
chr-3.trna58-Leu-AAG     -AACCUAUUAGCUCAAUUGGCAAAACAUUGUGU----AA-G--ACACA---------ACG 43
chr-6.trna12-Leu-AAG     -AACCUAUUAGCUCAAUUGGCAAAACAUUGUGU----AA-G--ACACA---------ACG 43
chr-3.trna55-Leu-AAG     -AACCUAUUAGCUCAAUUGGCAAAACAUUGUGU----AA-G--ACACA---------ACG 43
chr-3.trna41-Leu-AAG     -AACCUAUUAGCUCAAUUGGCAAAACAUUGUGU----AA-G--ACACA---------ACG 43
chr-3.trna25-Leu-AAG     -AACCUAUUAGCUCAAUUGGCAAAACAUUGUGU----AA-G--ACACA---------ACG 43
chr-5.trna72-Leu-AAG     -AACCUAUUAGCUCAAUUGGCAAAACAUUGUGU----AA-G--ACACA---------ACG 43
chr-7.trna53-Leu-AAG     -AACCUAUUAGCUCAAUUGGCAAAACAUUGUGU----AA-G--ACACA---------ACG 43
chr-9.trna59-Leu-AAG     -AACCUAUUAGCUCAAUUGGCAAAACAUUGUGU----AA-G--ACACA---------ACG 43
chr-6.trna83-Leu-AAG     -AACCUAUUAGCUCAAUUGGCAAAACAUUGUGU----AA-G--ACACA---------ACG 43
chr-6.trna7-Leu-AAG      -AACCUAUUAGCUCAAUUGGCAAAACAUUGUGU----AA-G--ACACA---------ACG 43
chr-3.trna6-Leu-AAG      -AACCUAUUAGCUCAAUUGGCAAAACAUUGUGU----AA-G--ACACA---------ACG 43
chr-9.trna81-Leu-AAG     -AACCUAUUAGCUCAAUUGGCAAAACAUUGUGU----AA-G--ACACA---------ACG 43
chr-7.trna41-Leu-AAG     -AACCUAUUAGCUCAAUUGGCAAAACAUUGUGU----AA-G--ACACA---------ACG 43
chr-9.trna69-Leu-AAG     -AACCUAUUAGCUCAAUUGGCAAAACAUUGUGU----AA-G--ACACA---------ACG 43
chr-9.trna91-Leu-AAG     -AACCUAUUAGCUCAAUUGGCAAAACAUUGUGU----AA-G--ACACA---------ACG 43
chr-2.trna58-Leu-AAG     -AACCUAUUAGCUCAAUUGGCAAAACAUUGUGU----AA-G--ACACA---------ACG 43
chr-2.trna57-Leu-AAG     -AACCUAUUAGCUCAAUUGGCAAAACAUUGUGU----AA-G--ACACA---------ACG 43
chr-2.trna23-Leu-AAG     -AACCUAUUAGCUCAAUUGGCAAAACAUUGUGU----AA-G--ACACA---------ACG 43
chr-1.trna21-Leu-AAG     -AACCUAUUAGCCCAAUUGGCAAAACAUUGUGU----AA-G--ACACA---------ACG 43
chr-9.trna7-Leu-AAG      -AACCUAUUAGCCCAAUUGGCAAAACAUUGUGU----AA-G--ACACA---------ACG 43
chr-1.trna30-Leu-AAG     -AACCUAUUAGCCCAAUUGGCAAAACAUUGUGU----AA-G--ACACA---------ACG 43
chr-5.trna107-Leu-AAG    -AACCUAUUAGCCCAAUUGGCAAAACAUUGUGU----AA-G--ACACA---------ACG 43
chr-2.trna77-Leu-AAG     -AGCCUAUUAGCCCAAUUGGCAAAACAUUGUGU----AA-G--ACACA---------ACG 43
chr-5.trna43-Leu-AAG     -AACCUAUUAGCUCAAUUGGCAAAACAUUGUGU----AA-G--ACACA---------ACG 43
chr-3.trna56-Leu-AAG     -AACCUAUUAGCCCAAUUGGCAAAACGUUGUGU----AA-G--ACACA---------ACG 43
chr-9.trna99-Leu-AAG     -AACCUAUUAGCCCAAUUGGCAAAACAUUGUGU----AA-G--ACACA---------AUG 43
chr-1.trna62-Leu-AAG     -AACCUAUUAGCCCAAUUGGCAAAACAUUGUGU----AA-G--ACACA---------AUG 43
chr-7.trna52-Leu-AAG     -AACCUAUUAGCCCAAUUGGCAAAACAUUGUGC----AA-G--ACACA---------AUG 43
chr-8.trna139-Leu-AAG    -AACCUAUUAGCCCAAUUGGCAAAACAUUGAGU----AA-G--ACACA---------AUG 43
chr-8.trna137-Leu-AAG    -AACCUAUUAGCCCAAUUGGCAAAACAUUGAGU----AA-G--ACACA---------AUG 43
chr-2.trna75-Leu-AAG     -AACCUAUUAGCCCAAUUGGCAAAACAUUGAGU----AA-G--ACACA---------ACG 43
chr-6.trna29-Leu-CAA     -AGUGUAUUAGCUCAACUGGUAGAGCUAUGUGC----AAUU--GCACA---------AUG 44
chr-1.trna35-Leu-TAA     GCAG-GUUUGCCGAG-UGG-UUAAGGGGGAAGACUUAAGAUUCUUCUGCACUCAAGUGC 57
chr-7.trna21-Leu-TAA     GCAG-GUUUGCCGAG-UGG-UUAAGGGGGAAGACUUAAGA-UCUUCUGCACAUAAGUGC 56
chr-7.trna23-Leu-TAA     GCAG-GUUUGCCGAG-UGG-UUAAGGGGGAAGACUUAAGA-UCUUCUGCACAUAAGUGC 56
chr-6.trna36-Leu-TAA     GCUG-GUUUGCCGAG-UGG-UUAAGGGGGCAGACUUAAGA-UCUGCUGCACAUAAGUGC 56
chr-7.trna20-Leu-TAA     GCAG-GUUUGCCGAG-UGG-UUAAGGGGGAAGACUUAAGA-UCUUCUGCACUCAAGUGC 56
chr-7.trna22-Leu-TAA     GCAG-GUUUGCCGAG-UGG-UUAAGGGGGAAGACUUAAGA-UCUUCUGCACUCAAGUGC 56
chr-9.trna96-Leu-TAA     GCUG-GUUUGCCGAG-UGGUUUAAGGGGGCAGACUUAAGA-UCUGCUGCACAUAAGUGC 57
chr-3.trna11-Leu-CAA     GUCA-GGAUGGCCGAG-UGGUCUAAGGCGCCAGACUCAAGU-UCUGGUCCUCUAACGAGG 57
chr-5.trna62-Leu-CAA     GUCA-GGAUGGCCGAG-UGGUCUAAGGCGCCAGACUCAAGU-UCUGGUCCUCUAACGAGG 57
chr-7.trna62-Leu-CAA     GUCA-GGAUGGCCGAG-UGGUCUAAGGCGCCAGACUCAAGU-UCUGGUCUUCGAAAGAGG 57
chr-9.trna44-Leu-CAA     GUCA-GGAUGGCCGAG-UGGUCUAAGGCGCCAGACUCAAGU-UCUGGUCUUCGAAAGAGG 57
chr-9.trna72-Leu-CAA     GUCA-GGAUGGCCGAG-UGGUCUAAGGCGCCAGACUCAAGU-UCUGGUCUUCGAAAGAGG 57
chr-9.trna73-Leu-CAA     GUCA-GGAUGGCCGAG-UGGUCUAAGGCGCCAGACUCAAGU-UCUGGUCUUCGAAAGAGG 57
chr-2.trna79-Leu-CAA     GUCA-GGAUGGCCGAG-UGGUCUAAGGCGCCAGACUCAAGU-UCUGGUCUUCGUGAGAGG 57
chr-4.trna4-Leu-CAA      GUCA-GGAUGGCCGAG-UGGUCUAAGGCGCCAGACUCAAGU-UCUGGUCUUCGUGAGAGG 57
chr-9.trna74-Leu-CAA     GUCA-GGAUGGCCGAG-UGGUCUAAGGCGCCAGACUCAAGU-UCUGGUCUUCGUGAGAGG 57
chr-1.trna87-Leu-CAA     GUCA-GGAUGGCCGAG-UGGUCUAAGGCGCCAGACUCAAGU-UCUGGUCCUCGUAUGAGG 57
chr-1.trna36-Leu-TAA     GCAGGGUUUGCCGAG-UGGUUAAGGGGGAAGACUUAAGA-UCUUCUGCACUCAAGUGC 58
chr-3.trna4-Leu-TAG      GACA-GUUUGGCCGAG-UGGUCUAAGGCGCCAGAUUUAGGC-UCUGGUCC----GAAAGG 53
chr-1.trna4-Leu-TAG      GACA-GUUUGGCCGAG-UGGUCUAAGGCGCCAGAUUUAGGC-UCUGGUCC----GAAAGG 53
chr-3.trna17-Leu-TAG     GACA-GUUUGGCCGAG-UGGUCUAAGGCGCCAGAUUUAGGC-UCUGGUCC----GAAAGG 53
chr-3.trna18-Leu-TAG     GACA-GUUUGGCCGAG-UGGUCUAAGGCGCCAGAUUUAGGC-UCUGGUCC----GAAAGG 53
chr-3.trna19-Leu-TAG     GACA-GUUUGGCCGAG-UGGUCUAAGGCGCCAGAUUUAGGC-UCUGGUCC----GAAAGG 53
chr-5.trna118-Leu-TAG    GACA-GUUUGGCCGAG-UGGUCUAAGGCGCCAGAUUUAGGC-UCUGGUCC----GAAAGG 53
chr-7.trna18-Leu-TAG     GACA-GUUUGGCCGAG-UGGUCUAAGGCGCCAGAUUUAGGC-UCUGGUCC----GAAAGG 53
chr-8.trna90-Leu-TAG     GACG-GUUUGGCCGAG-UGGUCUAAGGCGCCAGAUUUAGGC-UCUGGUCC----GAAAGG 53
chr-5.trna116-Leu-CAG    GUCA-GGAUGGCCGAGUUGGUCUAAGGCGCCAGUUUCAGGU-ACUGGUCC----GAAAGG 54
chr-9.trna50-Leu-CAG     GUCA-AGAUGGCCGAGUUGGUCUAAGGCGCCAGUUUCAGGU-ACUGGUCC----GAAAGG 54
chr-8.trna121-Leu-CAG    GUCA-AGAUGGCCGAGUUGGUCUAAGGCGCCAGUUUCAGGU-ACUGGUCC----GAAAGG 54
chr-7.trna65-Leu-CAG     GUCA-AGAUGGCCGAGUUGGUCUAAGGCGCCAGUUUCAGGU-ACUGGUCC----GAAAGG 54
chr-1.trna23-Leu-AAG     GUUG-AGAUGGCCGAGUUGGUCUAAGGCGCCAGAUUAAGGU-UCUGGUCC----GAAAGG 54
chr-1.trna89-Leu-AAG     GUUG-AGAUGGCCGAGUUGGUCUAAGGCGCCAGAUUAAGGU-UCUGGUCC----GAAAGG 54
chr-2.trna21-Leu-AAG     GUUG-AGAUGGCCGAGUUGGUCUAAGGCGCCAGAUUAAGGU-UCUGGUCC----GAAAGG 54
chr-9.trna10-Leu-AAG     GUUG-AGAUGGCCGAGUUGGUCUAAGGCGCCAGAUUAAGGU-UCUGGUCC----GAAAGG 54
chr-4.trna18-Leu-AAG     GUUG-AGAUGGCCGAGUUGGUCUAAGGCGCCAGAUUAAGGU-UCUGGUCC----GAAAGG 54
chr-5.trna78-Leu-AAG     GUUG-AGAUGGCCGAGUUGGUCUAAGGCGCCAGAUUAAGGU-UCUGGUCC----GAAAGG 54
chr-5.trna79-Leu-AAG     GUUG-AGAUGGCCGAGUUGGUCUAAGGCGCCAGAUUAAGGU-UCUGGUCC----GAAAGG 54
chr-6.trna86-Leu-AAG     GUUG-AGAUGGCCGAGUUGGUCUAAGGCGCCAGAUUAAGGU-UCUGGUCC----GAAAGG 54
chr-7.trna36-Leu-AAG     GUUG-AGAUGGCCGAGUUGGUCUAAGGCGCCAGAUUAAGGU-UCUGGUCC----GAAAGG 54
chr-8.trna71-Leu-AAG     GUUG-AGAUGGCCGAGUUGGUCUAAGGCGCCAGAUUAAGGU-UCUGGUCC----GAAAGG 54
chr-1.trna50-Leu-CAA     GCCU-UGGUGGUGAAA-UGAUAG-ACACGCGAGACUCAAAA-UCUCGUGCU--AAGCAUC 54
chr-4.trna11-Leu-CAA     GCCU-UGGUGGUGAAA-UGGUAG-ACACGCGAGACUCAAAA-UCUUGUGCU--AAACAGC 54
chr-7.trna66-Leu-CAA     GCCU-UGGUGGUGAAA-UGGUAG-ACACGCGAGACUCAAAA-UCUCGUGCU--AAAAAGC 54
chr-1.trna66-Leu-CAA     GCCU-UGGUGGUGAAA-UGGUAG-ACACGCGAGACUCAAAA-UCUCGUGCU--AAACAAC 54
                         .........10........20........30........40........50.........
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                         ..(((((.......)))))..........
chr-1.trna53-Leu-TAG     -UGUGGGUUCAACUCCCACACAAGCUC- 74
chr-9.trna52-Leu-CAA     -UGUGGGUUCAACUCCCACACAAGCUC- 74
chr-3.trna16-Leu-CAA     -UGUGGGUUCAACUCCCACACAAGCUC- 74
chr-3.trna88-Leu-CAA     -UGUGGGUUCAACUCCCACACAAGCUC- 74
chr-4.trna13-Leu-CAA     -UGUGGGUUCAACUCCCACACAAGCUC- 74
chr-5.trna100-Leu-CAA    -UGUGGGUUCAACUCCCACACAAGCUC- 74
chr-6.trna21-Leu-CAA     -UGUGGGUUCAACUCCCACACAAGCUC- 74
chr-6.trna38-Leu-CAA     -UGUGGGUUCAACUCCCACACAAGCUC- 74
chr-8.trna127-Leu-CAA    -UGUGGGUUCAACUCCCACACAAGCUC- 74
chr-1.trna80-Leu-CAA     -UGUGGGUUCAACUCCCACACAAGCUC- 74
chr-5.trna59-Leu-CAA     -UGUGGGUUCAACUCCCACACAAGCUC- 74
chr-6.trna25-Leu-CAA     -UGUGGGUUCAACUCCCACACAAGAUCG 74
chr-9.trna5-Leu-CAA      -UGUGGGUUCGACUCCCACACAGGCUC- 72
chr-9.trna93-Leu-TAG     UUGCCGGUUCAAAUCCGGCAGGCCGGU- 73
chr-6.trna14-Leu-AAG     AUGUAGGUUCGAAUCCUUCAUAGGUUU- 70
chr-1.trna44-Leu-AAG     AUGUAGGUUCGAAUCCUUCAUAGGUUU- 70
chr-1.trna46-Leu-AAG     AUGUAGGUUCGAAUCCUUCAUAGGUUU- 70
chr-8.trna70-Leu-AAG     AUGUAGGUUCGAAUCCUUCAUAGGUUU- 70
chr-5.trna54-Leu-AAG     AUGUAGGUUCGAAUCCUUCAUAGGUUU- 70
chr-5.trna45-Leu-AAG     AUGUAGGUUCGAAUCCUUCAUAGGUUU- 70
chr-6.trna88-Leu-AAG     AUGUAGGUUCGAAUCCUUCAUAGGUUU- 70
chr-4.trna71-Leu-AAG     AUGUAGGUUCGAAUCCUUCAUAGGUUU- 70
chr-6.trna48-Leu-AAG     AUGUAGGUUCGAAUCCUUCAUAGGUUU- 70
chr-7.trna27-Leu-AAG     AUGUAGGUUCGAAUCCUUCAUAGGUUU- 70
chr-6.trna78-Leu-AAG     AUGUAGGUUCGAAUCCUUCAUAGGUUU- 70
chr-4.trna7-Leu-AAG      AUGUAGGUUCGAAUCCUUCAUAGGUUU- 70
chr-6.trna28-Leu-AAG     AUGUAGGUUCGAAUCCUUCAUAGGUUU- 70
chr-9.trna56-Leu-AAG     AUGUAGGUUCGAAUCCUUCAUAGGUUU- 70
chr-3.trna81-Leu-AAG     AUGUAGGUUCGAAUCCUUCAUAGGUUU- 70
chr-3.trna75-Leu-AAG     AUGUAGGUUCGAAUCCUUCAUAGGUUU- 70
chr-3.trna72-Leu-AAG     AUGUAGGUUCGAAUCCUUCAUAGGUUU- 70
chr-3.trna68-Leu-AAG     AUGUAGGUUCGAAUCCUUCAUAGGUUU- 70
chr-3.trna58-Leu-AAG     AUGUAGGUUCGAAUCCUUCAUAGGUUU- 70
chr-6.trna12-Leu-AAG     AUGUAGGUUCGAAUCCUUCAUAGGUUU- 70
chr-3.trna55-Leu-AAG     AUGUAGGUUCGAAUCCUUCAUAGGUUU- 70
chr-3.trna41-Leu-AAG     AUGUAGGUUCGAAUCCUUCAUAGGUUU- 70
chr-3.trna25-Leu-AAG     AUGUAGGUUCGAAUCCUUCAUAGGUUU- 70
chr-5.trna72-Leu-AAG     AUGUAGGUUCGAAUCCUUCAUAGGUUU- 70
chr-7.trna53-Leu-AAG     AUGUAGGUUCGAAUCCUUCAUAGGUUU- 70
chr-9.trna59-Leu-AAG     AUGUAGGUUCGAAUCCUUCAUAGGUUU- 70
chr-6.trna83-Leu-AAG     AUGUAGGUUCGAAUCCUUCAUAGGUUU- 70
chr-6.trna7-Leu-AAG      AUGUAGGUUCGAAUCCUUCAUAGGUUU- 70
chr-3.trna6-Leu-AAG      AUGUAGGUUCGAAUCCUUCAUAGGUUU- 70
chr-9.trna81-Leu-AAG     AUGUAGGUUCGAAUCCUUCAUAGGUUU- 70
chr-7.trna41-Leu-AAG     AUGUAGGUUCGAAUCCUUCAUAGGUUU- 70
chr-9.trna69-Leu-AAG     AUGUAGGUUCGAAUCCUUCAUAGGUUU- 70
chr-9.trna91-Leu-AAG     AUGUAGGUUCGAAUCCUUCAUAGGUUU- 70
chr-2.trna58-Leu-AAG     AUGUAGGUUCGAAUCCUUCAUAGGUUU- 70
chr-2.trna57-Leu-AAG     AUGUAGGUUCGAAUCCUUCAUAGGUUU- 70
chr-2.trna23-Leu-AAG     AUGUAGGUUCGAAUCCUUCAUAGGUUU- 70
chr-1.trna21-Leu-AAG     GUGUAGGUUCGAAUCCUACAUAGGUUU- 70
chr-9.trna7-Leu-AAG      GUGUAGGUUCGAAUCCUACAUAGGUUU- 70
chr-1.trna30-Leu-AAG     AUGUAGGUUCGAAUCCUACAUAGGUUU- 70
chr-5.trna107-Leu-AAG    AUGUAGGUUCGAAUCCUACAUAGGUUU- 70
chr-2.trna77-Leu-AAG     AUGUAGGUUCGAAUCCUACAUAGGUUU- 70
chr-5.trna43-Leu-AAG     AUGUAGGUUCGAAUCCUACAUAGGUUU- 70
chr-3.trna56-Leu-AAG     AUGUAGGUUCGAAUCCUACAUAGGUUU- 70
chr-9.trna99-Leu-AAG     AUGUAGGUUCGAAUCCUACAUAGGUUU- 70
chr-1.trna62-Leu-AAG     AUGUAGGUUCAAAUCCUACAUAGGUUU- 70
chr-7.trna52-Leu-AAG     AUGUAGGUUCGAAUCCUACAUAGGUUU- 70
chr-8.trna139-Leu-AAG    AUGUAGGUUCGAAUCCUACAUAGGUUU- 70
chr-8.trna137-Leu-AAG    AUGUAGGUUCGAAUCCUACAUAGGUUU- 70
chr-2.trna75-Leu-AAG     AUGUAGGUUCGAAUCCUACAUAGGUUU- 70
chr-6.trna29-Leu-CAA     AUGUAGGUUCAAAUCCUACAUAGGCUA- 71
chr-1.trna35-Leu-TAA     GCGUGGGUUCGAACCCCACAGC-CUGCA 84
chr-7.trna21-Leu-TAA     GCGUGGGUUCGAACCCCACAGC-CUGCA 83
chr-7.trna23-Leu-TAA     GCGUGGGUUCGAACCCCACAGC-CUGCA 83
chr-6.trna36-Leu-TAA     GCGUGGGUUCGAACCCCACAGC-CAGCA 83
chr-7.trna20-Leu-TAA     GCGUGGGUUCGAACCCCACAGC-CUGCA 83
chr-7.trna22-Leu-TAA     GCGUGGGUUCGAACCCCACAGC-CUGCA 83
chr-9.trna96-Leu-TAA     GCGUGGGUUCGAACCCCACAGC-CAGCA 84
chr-3.trna11-Leu-CAA     GCGUGGGUUCAAAUCCCACUUC-UGACA 84
chr-5.trna62-Leu-CAA     GCGUGGGUUCAAAUCCCACUUC-UGACA 84
chr-7.trna62-Leu-CAA     GCGUGGGUUCAAAUCCCACUUC-UGACA 84
chr-9.trna44-Leu-CAA     GCGUGGGUUCAAAUCCCACUUC-UGACA 84
chr-9.trna72-Leu-CAA     GCGUGGGUUCAAAUCCCACUUC-UGACA 84
chr-9.trna73-Leu-CAA     GCGUGGGUUCAAAUCCCACUUC-UGACA 84
chr-2.trna79-Leu-CAA     GCGUGGGUUCAAAUCCCACUUC-UGACA 84
chr-4.trna4-Leu-CAA      GCGUGGGUUCAAAUCCCACUUC-UGACA 84
chr-9.trna74-Leu-CAA     GCGUGGGUUCAAAUCCCACUUC-UGACA 84
chr-1.trna87-Leu-CAA     GCGUGGGUUCGAACCCCACUUC-UGACA 84
chr-1.trna36-Leu-TAA     GCGUGGGUUCGAACCCCACAGCACUGCA 86
chr-3.trna4-Leu-TAG      GCGUGGGUUCAAAUCCCACAGC-UGUCA 80
chr-1.trna4-Leu-TAG      GCGUGGGUUCAAAUCCCACAGC-UGUCA 80
chr-3.trna17-Leu-TAG     GCGUGGGUUCAAAUCCCACAGC-UGUCA 80
chr-3.trna18-Leu-TAG     GCGUGGGUUCAAAUCCCACAGC-UGUCA 80
chr-3.trna19-Leu-TAG     GCGUGGGUUCAAAUCCCACAGC-UGUCA 80
chr-5.trna118-Leu-TAG    GCGUGGGUUCAAAUCCCACAGC-UGUCA 80
chr-7.trna18-Leu-TAG     GCGUGGGUUCAAAUCCCACAGC-UGUCA 80
chr-8.trna90-Leu-TAG     GCGUGGGUUCAAAUCCCACAGC-CGUCA 80
chr-5.trna116-Leu-CAG    GCAUGGGUUCGAAUCCCAUUCC-UGACA 81
chr-9.trna50-Leu-CAG     GCAUGGGUUCGAAUCCCAUUCU-UGACA 81
chr-8.trna121-Leu-CAG    GCAUGGGUUCGAAUCCCAUUCU-UGACA 81
chr-7.trna65-Leu-CAG     GCAUGGGUUCGAAUCCCAUUCU-UGACA 81
chr-1.trna23-Leu-AAG     GCGUGGGUUCAAAUCCCACUCU-CAACA 81
chr-1.trna89-Leu-AAG     GCGUGGGUUCAAAUCCCACUCU-CAACA 81
chr-2.trna21-Leu-AAG     GCGUGGGUUCAAAUCCCACUCU-CAACA 81
chr-9.trna10-Leu-AAG     GCGUGGGUUCAAAUCCCACUCU-CAACA 81
chr-4.trna18-Leu-AAG     GCGUGGGUUCAAAUCCCACUCU-CAACA 81
chr-5.trna78-Leu-AAG     GCGUGGGUUCAAAUCCCACUCU-CAACA 81
chr-5.trna79-Leu-AAG     GCGUGGGUUCAAAUCCCACUCU-CAACA 81
chr-6.trna86-Leu-AAG     GCGUGGGUUCAAAUCCCACUCU-CAACA 81
chr-7.trna36-Leu-AAG     GCGUGGGUUCAAAUCCCACUCU-CAACA 81
chr-8.trna71-Leu-AAG     GCGUGGGUUCAAAUCCCACUCU-CAACA 81
chr-1.trna50-Leu-CAA     AUGGAGGUUCGAGUCCUCUUCA-AGGCA 81
chr-4.trna11-Leu-CAA     GUGGAGGUUCGAGUCCUCUUCA-AGGCA 81
chr-7.trna66-Leu-CAA     GUGGAGGUUCGAGUCCUCUUUA-AGGCA 81
chr-1.trna66-Leu-CAA     GUGGAGGUUCGAGUCCUCUUCA-AUACU 81
                         .........70........80.......
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