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                        (((((((((.(.......).)).((.(((((((.......)))))))..))))))).....
chr-1.trna18-Lys-TTT    UCUGUUGUCAUCUAGUCUGGUAUGGACGUGGGGUUUUU--CCCCAUUUUUCCGGGUUCGA 58
chr-1.trna190-Lys-TTT   GGUCGCUUAGCUCAGU-UGAUA-GAGCACCACAUUUUU--UGUGGUAGAAAUCGGUUUGA 56
chr-1.trna132-Lys-TTT   GCCGUCUUAGCUCAG--UGGUA-GAGCGCGUGGCUUUUAACCACGUGGCCGUGGGUUCGA 57
chr-1.trna133-Lys-TTT   GCCGUCUUAGCUCAG--UGGUA-GAGCGCGUGGCUUUUAACCACGUGGCCGUGGGUUCGA 57
chr-2.trna59-Lys-TTT    GCCGUCUUAGCUCAG--UGGUA-GAGCGCGUGGCUUUUAACCACGUGGCCGUGGGUUCGA 57
chr-5.trna88-Lys-TTT    GCCGUCUUAGCUCAG--UGGUA-GAGCGCGUGGCUUUUAACCACGUGGCCGUGGGUUCGA 57
chr-5.trna84-Lys-TTT    GCCGUCUUAGCUCAG--UGGUA-GAGCGCGUGGCUUUUAACCACGUGGCCGUGGGUUCGA 57
chr-5.trna55-Lys-TTT    GCCGUCUUAGCUCAG--UGGUA-GAGCGCGUGGCUUUUAACCACGUGGCCGUGGGUUCGA 57
chr-3.trna10-Lys-TTT    GCCGUCUUAGCUCAG--UGGUA-GAGCGCGUGGCUUUUAACCACGUGGCCGUGGGUUCGA 57
chr-3.trna16-Lys-TTT    GCCGUCUUAGCUCAG--UGGUA-GAGCGCGUGGCUUUUAACCACGUGGCCGUGGGUUCGA 57
chr-3.trna47-Lys-TTT    GCCGUCUUAGCUCAG--UGGUA-GAGCGCGUGGCUUUUAACCACGUGGCCGUGGGUUCGA 57
chr-5.trna14-Lys-TTT    GCCGUCUUAGCUCAG--UGGUA-GAGCGCGUGGCUUUUAACCACGUGGCCGUGGGUUCGA 57
chr-4.trna29-Lys-TTT    GCCGUCUUAGCUCAG--UGGUA-GAGCGCGUGGCUUUUAACCACGUGGCCGUGGGUUCGA 57
chr-5.trna42-Lys-TTT    GCCGUCUUAGCUCAG--UGGUA-GAGCGCGUGGCUUUUAACCACGUGGCCGUGGGUUCGA 57
chr-5.trna37-Lys-TTT    GCCUUCUUAGCUCAG--UGGUA-GAGCGCGUGGCUUUUAACCACGUGGUCGUGGGUUCGA 57
chr-1.trna30-Lys-CTT    GCCCGUCUAGCUCAGU-UGGUA-GAGCGCAAGGCUCUUAACCUUGUGGUCGUGGGUUCGA 58
chr-1.trna72-Lys-CTT    GCCCGUCUAGCUCAGU-UGGUA-GAGCGCAAGGCUCUUAACCUUGUGGUCGUGGGUUCGA 58
chr-4.trna61-Lys-CTT    GCCCGUCUAGCUCAGU-UGGUA-GAGCGCAAGGCUCUUAACCUUGUGGUCGUGGGUUCGA 58
chr-4.trna16-Lys-CTT    GCCCGUCUAGCUCAGU-UGGUA-GAGCGCAAGGCUCUUAACCUUGUGGUCGUGGGUUCGA 58
chr-4.trna11-Lys-CTT    GCCCGUCUAGCUCAGU-UGGUA-GAGCGCAAGGCUCUUAACCUUGUGGUCGUGGGUUCGA 58
chr-4.trna1-Lys-CTT     GCCCGUCUAGCUCAGU-UGGUA-GAGCGCAAGGCUCUUAACCUUGUGGUCGUGGGUUCGA 58
chr-3.trna67-Lys-CTT    GCCCGUCUAGCUCAGU-UGGUA-GAGCGCAAGGCUCUUAACCUUGUGGUCGUGGGUUCGA 58
chr-3.trna64-Lys-CTT    GCCCGUCUAGCUCAGU-UGGUA-GAGCGCAAGGCUCUUAACCUUGUGGUCGUGGGUUCGA 58
chr-4.trna63-Lys-CTT    GCCCGUCUAGCUCAGU-UGGUA-GAGCGCAAGGCUCUUAACCUUGUGGUCGUGGGUUCGA 58
chr-3.trna32-Lys-CTT    GCCCGUCUAGCUCAGU-UGGUA-GAGCGCAAGGCUCUUAACCUUGUGGUCGUGGGUUCGA 58
chr-3.trna21-Lys-CTT    GCCCGUCUAGCUCAGU-UGGUA-GAGCGCAAGGCUCUUAACCUUGUGGUCGUGGGUUCGA 58
chr-5.trna15-Lys-CTT    GCCCGUCUAGCUCAGU-UGGUA-GAGCGCAAGGCUCUUAACCUUGUGGUCGUGGGUUCGA 58
chr-1.trna4-Lys-CTT     GCCCGUCUAGCUCAGU-UGGUA-GAGCGCAAGGCUCUUAACCUUGUGGUCGUGGGUUCGA 58
chr-5.trna124-Lys-CTT   GCCCGUCUAGCUCAGU-UGGUA-GAGCGCAAGGCUCUUAACCUUGUGGUCGUGGGUUCGA 58
chr-2.trna40-Lys-CTT    GCCCGUCUAGCUCAGU-UGGUA-GAGCGCAAGGCUCUUAACCUUGUGGUCGUGGGUUCGA 58
chr-1.trna196-Lys-CTT   GCCCGUCUAGCUCAGU-UGGUA-GAGCGCAAGGCUCUUAACCUUGUGGUCGUGGGUUCGA 58
chr-1.trna180-Lys-CTT   GCCCGUCUAGCUCAGU-UGGUA-GAGCGCAAGGCUCUUAACCUUGUGGUCGUGGGUUCGA 58
                        .........10........20........30........40........50.........
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                        ..)))))))))))).
chr-1.trna18-Lys-TTT    AUCCCGGCAACAGAU 73
chr-1.trna190-Lys-TTT   AUCCGAUAGCGGCUU 71
chr-1.trna132-Lys-TTT   UCCCACAGACGGCG 72
chr-1.trna133-Lys-TTT   UCCCACAGACGGCG 72
chr-2.trna59-Lys-TTT    UCCCACAGACGGCG 72
chr-5.trna88-Lys-TTT    UCCCACAGACGGCG 72
chr-5.trna84-Lys-TTT    UCCCACAGACGGCG 72
chr-5.trna55-Lys-TTT    UCCCACAGACGGCG 72
chr-3.trna10-Lys-TTT    UCCCACAGACGGCG 72
chr-3.trna16-Lys-TTT    UCCCACAGACGGCG 72
chr-3.trna47-Lys-TTT    UCCCACAGACGGCG 72
chr-5.trna14-Lys-TTT    UCCCACAGACGGCG 72
chr-4.trna29-Lys-TTT    UCCCACAGACGGCG 72
chr-5.trna42-Lys-TTT    UGCCACAGACGGCG 72
chr-5.trna37-Lys-TTT    UCCCACAGGCGGCG 72
chr-1.trna30-Lys-CTT    GCCCACGGUGGGCG 73
chr-1.trna72-Lys-CTT    GCCCACGGUGGGCG 73
chr-4.trna61-Lys-CTT    GCCCACGGUGGGCG 73
chr-4.trna16-Lys-CTT    GCCCACGGUGGGCG 73
chr-4.trna11-Lys-CTT    GCCCACGGUGGGCG 73
chr-4.trna1-Lys-CTT     GCCCACGGUGGGCG 73
chr-3.trna67-Lys-CTT    GCCCACGGUGGGCG 73
chr-3.trna64-Lys-CTT    GCCCACGGUGGGCG 73
chr-4.trna63-Lys-CTT    GCCCACGGUGGGCG 73
chr-3.trna32-Lys-CTT    GCCCACGGUGGGCG 73
chr-3.trna21-Lys-CTT    GCCCACGGUGGGCG 73
chr-5.trna15-Lys-CTT    GCCCACGGUGGGCG 73
chr-1.trna4-Lys-CTT     GCCCACGGUGGGCG 73
chr-5.trna124-Lys-CTT   GCCCACGGUGGGCG 73
chr-2.trna40-Lys-CTT    GCCCACGGUGGGCG 73
chr-1.trna196-Lys-CTT   GCCCACGGUGGGCG 73
chr-1.trna180-Lys-CTT   GCCCACGGUGGGCG 73
                        .........70....
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