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                                (((.((((((.(......)..))((.(((((((.......)))))))..))))))).....
chr-LG02.trna198-Lys-TTT    GUU-GGAAUAGCUCAGUUCGUUAGAGCGUGUGAACUUUAACCACAAGGUUGGAGGUUCGA 59
chr-LG09.trna322-Lys-TTT    GCC-AUCUUAGCUCAGUAGUAGAGAGCGUGUGGCUUUUAACCACGUGGUCGUGGUUUGA 59
chr-LG16.trna41-Lys-TTT     GCC-AUCUUAGCUCAGCUGG-AAGAGCGCAUGGCUUUUAACCAUGUGGUCGUGGUUUGA 58
chr-LG16.trna40-Lys-TTT     GCC-GUCUUAGCUCAGUUGG-UAGAGCGCAUGGCUUUUAACCAUGUGGUCGUGGGUUCGA 58
chr-LG01.trna41-Lys-TTT     GCC-GUCUUAGCUCAGCUGG-UAGAGCGCAUGGCUUUUAACCAUGUGGUCGUGGGUUCGA 58
chr-LG05.trna48-Lys-TTT     GCC-GUCUUAGCUCAGCUGG-UAGAGCGCAUGGCUUUUAACCAUGUGGUCGUGGGUUCGA 58
chr-LG07.trna226-Lys-TTT    GCC-GUCUUAGCUCAGCUGG-UAGAGCGCGUGGCUUUUAACCACGUGGUCGUGGGUUCGA 58
chr-LG07.trna227-Lys-TTT    GCC-GUCUUAGCUCAGCUGG-UAGAGCGCGUGGCUUUUAACCACGUGGUCGUGGGUUCGA 58
chr-LG07.trna228-Lys-TTT    GCC-GUCUUAGCUCAGCUGG-UAGAGCGCGUGGCUUUUAACCACGUGGUCGUGGGUUCGA 58
chr-LG16.trna97-Lys-TTT     GCC-GUCUUAGCUCAGCUGG-UAGAGCGCAUGGCUUUUAACCAUGUGGUCGUGGGUUCGA 58
chr-LG16.trna39-Lys-TTT     GCC-GUCUUAGCUCAGUUGG-UAGAGCGCAUGGCUUUUAACCAUGUGGUCGUGGGUUCGA 58
chr-LG09.trna442-Lys-TTT    GCC-GUCUUAGCUCAGCUGG-UAGAGCGCAUGGCUUUUAACCAUGUGGUCGUGGGUUCAA 58
chr-LG09.trna445-Lys-TTT    GCC-GUCUUAGCUCAGCUGG-UAGAGCGCAUGGCUUUUAACCAUGUGGUCGUGGGUUCAA 58
chr-LG09.trna447-Lys-TTT    GCC-GUCUUAGCUCAGCUGG-UAGAGCGCAUGGCUUUUAACCAUGUGGUCGUGGGUUCAA 58
chr-LG05.trna190-Lys-TTT    GCC-GUCUUAGCUCAGCUGG-UAGAGCGCAUGGCUUUUAACCAUGUGGUCGUGGGUUCGA 58
chr-LG09.trna446-Lys-TTT    GCC-GUCUUAGCUCAGCUGG-UAGAGCGCAUGGCUUUUAACCAUGUGGUCGUGGGUUCGA 58
chr-LG03.trna337-Lys-TTT    GCC-GUCUUAGCUCAGCCGG-UAGAGCGCGUGGCUUUUAACCACGUGGUCGUGGGUUCGA 58
chr-LG07.trna224-Lys-TTT    GCC-GUCUUAGCUCAGCCGG-UAGAGCGCGUGGCUUUUAACCACGUGGUCGUGGGUUCGA 58
chr-LG07.trna225-Lys-TTT    GCC-GUCUUAGCUCAGCCGG-UAGAGCGCGUGGCUUUUAACCACGUGGUCGUGGGUUCGA 58
chr-LG07.trna229-Lys-TTT    GCC-GUCUUAGCUCAGCCGG-UAGAGCGCGUGGCUUUUAACCACGUGGUCGUGGGUUCGA 58
chr-LG07.trna230-Lys-TTT    GCC-GUCUUAGCUCAGCCGG-UAGAGCGCGUGGCUUUUAACCACGUGGUCGUGGGUUCGA 58
chr-LG08.trna56-Lys-TTT     GCC-GUCUUAGCUCAGCCGG-UAGAGCGCGUGGCUUUUAACCACGUGGUCGUGGGUUCGA 58
chr-LG09.trna444-Lys-TTT    GUU-GUCUUAGCUUAGCUGG-UAGAGCGCAUGGACUUUUAACCAUGUGGUCGUGGGUUCGA 58
chr-LG09.trna450-Lys-TTT    AGCUGUCUUAGCUCAGUUGG-UAGAGCGCAUGGCUUUUAACCAUGUGGUCGUGGGUUCGA 59
chr-LG09.trna439-Lys-TTT    GUU-GUCUUAGCUCAGCUGG-UAGAGCGUAUGGCUUUUAACCAUGUGGCCGUGGGUUUGA 58
chr-LG02.trna156-Lys-TTT    GCC-GUCUUAGCUCAGCUGG-UAGAGCGUUUGGCUUUUAACCAAUUGGUCGUGGGUUCGA 58
chr-LG11.trna79-Lys-TTT     GCC-GUCUUAGCUUAG-UGG-UAGAGCGCAUGGCUUUUAACCAUGUGGUCGUGGGUUUGA 57
chr-LG13.trna92-Lys-TTT     GCC-GUCUUAGCUCAG-CGG-UAGAGCGCGUGGCUUUUAACCACGUGGUCGUGGGUUCGA 57
chr-LG01.trna7-Lys-TTT      GCC-GUCUUAGCUCAG-UGG-UAGAGCGCGUGGCUUUUAACCACGUGGUCGUGGGUUCGA 57
chr-LG09.trna326-Lys-TTT    GCC-AUCUUAGCUCAG-UAG-UAGAGCGCGUGGCUUUUAACCACGUGGUCGUGGGUUCGA 57
chr-LG01.trna378-Lys-TTT    GCC-GUCUUAGCUCAG-UGG-UAGAGCGCGUGGCUUUUAACCACGUGGUCGUGGGUUCGA 57
chr-LG01.trna379-Lys-TTT    GCC-GUCUUAGCUCAG-UGG-UAGAGCGCGUGGCUUUUAACCACGUGGUCGUGGGUUCGA 57
chr-LG01.trna380-Lys-TTT    GCC-GUCUUAGCUCAG-UGG-UAGAGCGCGUGGCUUUUAACCACGUGGUCGUGGGUUCGA 57
chr-LG01.trna381-Lys-TTT    GCC-GUCUUAGCUCAG-UGG-UAGAGCGCGUGGCUUUUAACCACGUGGUCGUGGGUUCGA 57
chr-LG01.trna600-Lys-TTT    GCC-GUCUUAGCUCAG-UGG-UAGAGCGCGUGGCUUUUAACCACGUGGUCGUGGGUUCGA 57
chr-LG17.trna90-Lys-TTT     GCC-GUCUUAGCUCAG-UGG-UAGAGCGCGUGGCUUUUAACCACGUGGUCGUGGGUUCGA 57
chr-LG01.trna602-Lys-TTT    GCC-GUCUUAGCUCAG-UGG-UAGAGCGCGUGGCUUUUAACCACGUGGUCGUGGGUUCGA 57
chr-LG13.trna93-Lys-TTT     GCC-GUCUUAGCUCAG-UGG-UAGAGCGCGUGGCUUUUAACCACGUGGUCGUGGGUUCGA 57
chr-LG01.trna604-Lys-TTT    GCC-GUCUUAGCUCAG-UGG-UAGAGCGCGUGGCUUUUAACCACGUGGUCGUGGGUUCGA 57
chr-LG09.trna437-Lys-TTT    GCC-AUCUUAGCUCAG-UGG-UAGAGCGCGUGGCUUUUAACCACGUGGUCGUGGGUUCGA 57
chr-LG05.trna107-Lys-TTT    GCC-AUCUUAGCUCAG-UGG-UAGAGCGCGUGGCUUUUAACCACGUGGUCGUGGGUUCGA 57
chr-LG09.trna435-Lys-TTT    GCC-GUCUUAGCUCAG-UGG-UAGAGCGCGUGGCUUUUAACCACGUGGUCGUGGGUUCGA 57
chr-LG09.trna434-Lys-TTT    GCC-GUCUUAGCUCAG-UGG-UAGAGCGCGUGGCUUUUAACCACGUGGUCGUGGGUUCGA 57
chr-LG09.trna433-Lys-TTT    GCC-GUCUUAGCUCAG-UGG-UAGAGCGCGUGGCUUUUAACCACGUGGUCGUGGGUUCGA 57
chr-LG13.trna91-Lys-TTT     GCC-GUCUUAGCUCAG-UGG-UAGAGCGCGUGGCUUUUAACCACGUGGUCGUGGGUUCGA 57
chr-LG20.trna82-Lys-TTT     GCC-GUCUUAGCUCAG-UGG-UAGAGCGCGUGGCUUUUAACCACGUGGUCGUGGGUUCGA 57
chr-LG20.trna80-Lys-TTT     GCC-GUCUUAGCUCAG-UGG-UAGAGCGCGUGGCUUUUAACCACGUGGUCGUGGGUUCGA 57
chr-LG09.trna41-Lys-TTT     GCC-AUCUUAGCUCAG-UGG-UAGAGCGCGUGGCUUUUAACCACGUGGUCGUGGGUUCGA 57
chr-LG09.trna42-Lys-TTT     GCC-AUCUUAGCUCAG-UGG-UAGAGCGCGUGGCUUUUAACCACGUGGUCGUGGGUUCGA 57
chr-LG09.trna43-Lys-TTT     GCC-AUCUUAGCUCAG-UGG-UAGAGCGCGUGGCUUUUAACCACGUGGUCGUGGGUUCGA 57
chr-LG13.trna90-Lys-TTT     GCC-GUCUUAGCUCAG-UGG-UAGAGCGCGUGGCUUUUAACCACGUGGUCGUGGGUUCGG 57
chr-LG20.trna81-Lys-TTT     GCC-UUCUUAGCUCAG-UGG-UAGAGCGCGUGGCUUUUAACCACGUGGUCGUGGGUUCGA 57
chr-LG01.trna601-Lys-TTT    GCC-GUCUUAGCUCAG-UGG-UAGAGCGCGUGGCUUUUAACCACGUGGUCGUGGGUUCAA 57
chr-LG01.trna603-Lys-TTT    GCC-GUCUUAGCUCAG-UGG-UAGAGCGCGUGGCUUUUAACCACGUGGUCGUGGGUUCAA 57
chr-LG13.trna89-Lys-TTT     GCC-GUCUUAGCUCAG-CGG-UAGAGCGCGUGGCUUUUAACCACGUGGUCGUGGAUUCGA 57
chr-LG09.trna328-Lys-TTT    GCC-AUCUUAGCUUAG-UAG-UAGAGCGCGUGGCUUUUAACCACGUGGUCGUGGGUUCGA 57
chr-LG09.trna320-Lys-TTT    GCC-AUCUUAGCUCAG-UGG-UAGAGCACGUGGCUUUUAACCACGUGGUCGUGGGUUUGA 57
chr-LG09.trna317-Lys-TTT    GCC-AUCUUAGCUCAG-UGG-UAGAGCGCGUGGCUUUUAACCACAUGGUCGUGGGUUCGA 57
chr-LG09.trna45-Lys-TTT     GCC-AUCUUAGCUCAG-UGG-UAAAGCGCGUGGCUUUUAAUCACGUGGCCGUGGGUUCGA 57
chr-LG09.trna70-Lys-TTT     GCC-AUCUUAACUCCG-UGG-UAGAGCGCGUGGCUUUUAACUACGUGGUCGUGGGUUUGA 57
chr-LG09.trna335-Lys-TTT    GCC-AUCUUAACUCCG-UGG-UAGAGCGCGUGGCUUUUAACUACGUGGUCGUGGGUUUGA 57
chr-LG09.trna40-Lys-TTT     GUC-AUCUUAGCUUAG-UGG-UAGAGCGCGUGGCUUUUAACCACGUGGUUGUGGGUUUGA 57
chr-LG09.trna436-Lys-TTT    GCC-AUUUUAGCUCAG-UGG-UAGAGUGUGUGGCUUUUAACCAUGUGGUCGUGGGUUUGA 57
chr-LG09.trna329-Lys-TTT    GCC-AUCUUAGCUCAG-UGG-UAGAGCGUGUGGCUUUUAACCAUGUGGUCGUGGGUUCAA 57
chr-LG09.trna318-Lys-TTT    GCC-AUCUUAGCUCAA-UGG-UAGAGAGCGUGGUUUUUAACCAUGUGGUUGUGGGUUUGA 57
chr-LG09.trna331-Lys-TTT    GCC-AUCUUAGCUUAG-UGG-UAGAGCGCGUGGCUUUUAACCACGUAGUUGUGGGUCCGA 57
chr-LG09.trna448-Lys-TTT    GCC-UUCUUAGCUUAGUUGG-UAGAGUGCAUGGCUUUUAACCAUGUGGUUGUGGGUUCGA 58
chr-LG09.trna449-Lys-TTT    ACC-GUCUUAGCUCAGCUGG-UAGAGCACAUGACUUUUAACCAUGUGAUCGUGGGUUCGA 58
chr-LG09.trna67-Lys-TTT     GCC-AUCUUAGUUCAA-UGG-UAGAGCGCGUGGCUUUUAAAUACGUGGUAGUGGGUUCAA 57
chr-LG09.trna332-Lys-TTT    GCC-AUCUUAGUUCAA-UGG-UAGAGCGCGUGGCUUUUAAAUACGUGGUAGUGGGUUCAA 57
chr-LG09.trna44-Lys-TTT     AGCCAUCUUAGCUCAG-UGG-UAGAGCGAGUGGCUUUUAACCACGUGGUCUUGGUUCGA 58
chr-LG04.trna136-Lys-TTT    GUUCGUC-UAGCUUAGUUGG-UAAAGCGCAAGGCUUUUAACCUUGUGGUCGUAGGUUUGA 58
chr-LG13.trna18-Lys-TTT     GCCCGUC-UAGCUCAGUUGG-UAGAGCGCAAGGCUUUUAACCUUAUGGCCAUGGGUUCGA 58
chr-LG13.trna11-Lys-TTT     GCCCAUC-UAGCUCAGUUUG-UAGAGAGUAAGGCUUUUACCUUUGUGGCCGUGGGUUCAA 58
chr-LG06.trna12-Lys-TTT     -----UCUUAGCUCAGCUGG-UAGAGUGCAUGACUUUUAACCAUGUUCUUGUGGGUUUGA 54
                                .........10........20........30........40........50.........
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                                ...)))))))))))).
chr-LG02.trna198-Lys-TTT    -CCCCUCUUUCUAACG 74
chr-LG09.trna322-Lys-TTT    -UCCCCACAGAUGGCG 74
chr-LG16.trna41-Lys-TTT     -UUCCCACAGACAGCG 73
chr-LG16.trna40-Lys-TTT     -UUCCCACAGACGGCG 73
chr-LG01.trna41-Lys-TTT     -UUCCCACAGACGGCG 73
chr-LG05.trna48-Lys-TTT     -UUCCCACAGACGGCG 73
chr-LG07.trna226-Lys-TTT    -UUCCCACAGACGGCG 73
chr-LG07.trna227-Lys-TTT    -UUCCCACAGACGGCG 73
chr-LG07.trna228-Lys-TTT    -UUCCCACAGACGGCG 73
chr-LG16.trna97-Lys-TTT     -UUCCCACAGACGGCG 73
chr-LG16.trna39-Lys-TTT     -UUCCCACAGACGGCG 73
chr-LG09.trna442-Lys-TTT    -UUCCCACAGAUGGCG 73
chr-LG09.trna445-Lys-TTT    -UUCCCACAGACGGUG 73
chr-LG09.trna447-Lys-TTT    -UUCCCACAGACGGUG 73
chr-LG05.trna190-Lys-TTT    -UUCCCACAGACAGCG 73
chr-LG09.trna446-Lys-TTT    -UUCCCACAGACAGCG 73
chr-LG03.trna337-Lys-TTT    -UUCCCACAGACGGCG 73
chr-LG07.trna224-Lys-TTT    -UUCCCACAGACGGCG 73
chr-LG07.trna225-Lys-TTT    -UUCCCACAGACGGCG 73
chr-LG07.trna229-Lys-TTT    -UUCCCACAGACGGCG 73
chr-LG07.trna230-Lys-TTT    -UUCCCACAGACGGCG 73
chr-LG08.trna56-Lys-TTT     -UUCCCACAGACGGCG 73
chr-LG09.trna444-Lys-TTT    -UUCCCACAGACGGUG 73
chr-LG09.trna450-Lys-TTT    -UUCCCAUAGACGUUG 74
chr-LG09.trna439-Lys-TTT    -UUCUCACAGACGACG 73
chr-LG02.trna156-Lys-TTT    -UCCCCACAGACGGCG 73
chr-LG11.trna79-Lys-TTT     -UCCCCACAGACGGCG 72
chr-LG13.trna92-Lys-TTT     -UCCCCACAGACGGCG 72
chr-LG01.trna7-Lys-TTT      -UCCCCACAGACGGCG 72
chr-LG09.trna326-Lys-TTT    -UCCCCACAGAUGGCG 72
chr-LG01.trna378-Lys-TTT    -UCCCCACAGACGGCG 72
chr-LG01.trna379-Lys-TTT    -UCCCCACAGACGGCG 72
chr-LG01.trna380-Lys-TTT    -UCCCCACAGACGGCG 72
chr-LG01.trna381-Lys-TTT    -UCCCCACAGACGGCG 72
chr-LG01.trna600-Lys-TTT    -UCCCCACAGACGGCG 72
chr-LG17.trna90-Lys-TTT     -UCCCCACAGACGGCG 72
chr-LG01.trna602-Lys-TTT    -UCCCCACAGACGGCG 72
chr-LG13.trna93-Lys-TTT     -UCCCCACAGACGGCG 72
chr-LG01.trna604-Lys-TTT    -UCCCCACAGACGGCG 72
chr-LG09.trna437-Lys-TTT    -UCCCCACAGAUGGCG 72
chr-LG05.trna107-Lys-TTT    -UCCCCACAGAUGGCG 72
chr-LG09.trna435-Lys-TTT    -UCCCCACAGACGGCG 72
chr-LG09.trna434-Lys-TTT    -UCCCCACAGACGGCG 72
chr-LG09.trna433-Lys-TTT    -UCCCCACAGACGGCG 72
chr-LG13.trna91-Lys-TTT     -UCCCCACAGACGGCG 72
chr-LG20.trna82-Lys-TTT     -UCCCCACAGACGGCG 72
chr-LG20.trna80-Lys-TTT     -UCCCCACAGACGGCG 72
chr-LG09.trna41-Lys-TTT     -UCCCCACAGAUGGCG 72
chr-LG09.trna42-Lys-TTT     -UCCCCACAGAUGGCG 72
chr-LG09.trna43-Lys-TTT     -UCCCCAUAGAUGGCG 72
chr-LG13.trna90-Lys-TTT     -UCCCCACAGACGGCG 72
chr-LG20.trna81-Lys-TTT     -UCCCCACAGACGGCG 72
chr-LG01.trna601-Lys-TTT    -ACCCCACAGACGGCG 72
chr-LG01.trna603-Lys-TTT    -ACCCCACAGACGGCG 72
chr-LG13.trna89-Lys-TTT     -UCCCCACAGACGGCG 72
chr-LG09.trna328-Lys-TTT    -UCCCCACAAAUGGCG 72
chr-LG09.trna320-Lys-TTT    UUCCCCACAGAUGGCG 73
chr-LG09.trna317-Lys-TTT    -UCCCCACAGAUGGCG 72
chr-LG09.trna45-Lys-TTT     -UCCCCACAGAUGGCA 72
chr-LG09.trna70-Lys-TTT     -UCCCCACAGAUGGUG 72
chr-LG09.trna335-Lys-TTT    -UCCCCACAGAUGGUG 72
chr-LG09.trna40-Lys-TTT     -UCCCCACAGAUGGCG 72
chr-LG09.trna436-Lys-TTT    -UCCCCUAAGAUGGUG 72
chr-LG09.trna329-Lys-TTT    -UCCCCACAAAUGGUG 72
chr-LG09.trna318-Lys-TTT    -UCCCCAUAGAUUGCA 72
chr-LG09.trna331-Lys-TTT    -UCCCUACAGAUUGUG 72
chr-LG09.trna448-Lys-TTT    -UUCCCACAGGUAGUG 73
chr-LG09.trna449-Lys-TTT    UUUCCCACAGACGACA 74
chr-LG09.trna67-Lys-TTT     -UCGCCACAAAUGGCG 72
chr-LG09.trna332-Lys-TTT    -UCGCCACAAAUGGCG 72
chr-LG09.trna44-Lys-TTT     -UACCCAAAUAGGUUU 73
chr-LG04.trna136-Lys-TTT    -GCCCCACGGUGGGUG 73
chr-LG13.trna18-Lys-TTT     -GCCCCAUGGUAGGCG 73
chr-LG13.trna11-Lys-TTT     -GCCCCAUGGUAGAUG 73
chr-LG06.trna12-Lys-TTT     UUCCCAACAUAUCA-A 69
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