

# Supplementary Materials: Metalaxyl Resistance of Phytophthora palmivora Causing Durian Diseases in Thailand

Pornprapa Kongtragoul, Koichiro Ishikawa and Hideo Ishii

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LC510512(DF_M050)	ttaaataatttctcagctgtggtggtatgagttggtgaaccgtagctatgtgagcttggc	684
LC510509(DS_T026)	ttaaataatttctcagctgtggtggtatgagttggtgaaccgtagctatgtgagcttggc	683
LC510514(DS_B033)	ttaaataatttctcagctgtggtggtatgagttggtgaaccgtagctatgtgagcttggc	683
*****		
LC510503(DF_K012)	ttttgaattggctttgctgttgcgaagtagagtggcggttcggctgtcgagggtcgatc	746
LC510504(DF_M035)	ttttgaattggctttgctgttgcgaagtagagtggcggttcggctgtcgagggtcgatc	746
LC510508(DF_S065)	ttttgaattggctttgctgttgcgaagtagagtggcggttcggctgtcgagggtcgatc	746
LC510506(DF_P075)	ttttgaattggctttgctgttgcgaagtagagtggcggttcggctgtcgagggtcgatc	745
LC510511(DF_S055)	ttttgaattggctttgctgttgcgaagtagagtggcggttcggctgtcgagggtcgatc	742
LC510501(D001)	ttttgaattggctttgctgttgcgaagtagagtggcggttcggctgtcgagggtcgatc	746
KY475630	ttttgaattggctttgctgttgcgaagtagagtggcggttcggctgtcgagggtcgatc	779
LC510505(DF_P027)	ttttgaattggctttgctgttgcgaagtagagtggcggttcggctgtcgagggtcgatc	745
LC510515(DF_CH04)	ttttgaattggctttgctgttgcgaagtagagtggcggttcggctgtcgagggtcgatc	745
LC510507(DF_PA01)	ttttgaattggctttgctgttgcgaagtagagtggcggttcggctgtcgagggtcgatc	745

LC510502(DF_M034)	tttgaattggcttctgttgcgaagtagagtggcggcttcggctgtcaggggtcgatc	745
LC510510(DF_S053)	tttgaattggcttctgttgcgaagtagagtggcggcttcggctgtcaggggtcgatc	745
LC510513(DF_N014)	tttgaattggcttctgttgcgaagtagagtggcggcttcggctgtcaggggtcgatc	745
LC510512(DF_M050)	tttgaattggcttctgttgcgaagtagagtggcggcttcggctgtcaggggtcgatc	744
LC510509(DS_T026)	tttgaattggcttctgttgcgaagtagagtggcggcttcggctgtcaggggtcgatc	743
LC510514(DS_B033)	tttgaattggcttctgttgcgaagtagagtggcggcttcggctgtcaggggtcgatc	743

\*\*\*\*\*

LC510503(DF_K012)	catttgggaacttggtatgcttcggcatgcatctcaattggacctgatacaggcaa--	804
LC510504(DF_M035)	catttgggaacttggtatgcttcggcatgcatctcaattggacctgatacangcaaga	806
LC510508(DF_S065)	catttgggaacttggtatgcttcggcatgcatctcaattgnacctgatacaggcaaga	806
LC510506(DF_P075)	catttgggaacttggtatgcttcggcatgcatctcnntgg-acctgatacaggcaaga	804
LC510511(DF_S055)	catttgggaacttggtatgcttcggcatgcatctcaattggacctgatacaggcaaga	802
LC510501(D001)	catttgggaacttggtatgcttcggcatgcatctcaattggacctgatacaggcaaga	806
KY475630	catttgggaacttggtatgcttcggcatgcatctcaattggacctgatacaggcaaga	839
LC510505(DF_P027)	catttgggaacttggtatgcttcggcatgcatctcaattggacctgatacaggcaaga	805
LC510515(DF_CH04)	catttgggaacttggtatgcttcggcatgcatctcaattggacctgatacaggcaaga	805
LC510507(DF_PA01)	catttgggaacttggtatgcttcggcatgcatctcaattggacctgatacaggcaaga	805
LC510502(DF_M034)	catttgggaacttggtatgcttcggcatgcatctcaattggacctgatacaggcaaga	805
LC510510(DF_S053)	catttgggaacttggtatgcttcggcatgcatctcaattggacctgatacaggcaaga	805
LC510513(DF_N014)	catttgggaacttggtatgcttcggcatgcatctcaattggacctgatacaggcaaga	805
LC510512(DF_M050)	catttgggaacttggtatgcttcggcatgcatctcaattggacctgatacaggcaana	804
LC510509(DS_T026)	catttgggaacttggtatgcttcggcatgcatctcaattggacctgatacaggcaaga	803
LC510514(DS_B033)	catttgggaacttggtatgcttcggcatgcatctcaattgnacctgatacaggcaaga	803

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LC510503(DF_K012)	-----	804
LC510504(DF_M035)	ttaccgctgactt-----	820
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LC510506(DF_P075)	ttaccgctgacttaa-----	820
LC510511(DF_S055)	ttaccgctgaacttaagc-----	821
LC510501(D001)	ttaccgctgaacttaagcatatca-----	831
KY475630	ttaccgctgaacttaagcatatcaataagcggagga	876
LC510505(DF_P027)	ttaccgctgactt-----	819
LC510515(DF_CH04)	ttaccgctgaactt-----	820
LC510507(DF_PA01)	ttaccgctgaacttaagcatat-----	828
LC510502(DF_M034)	ttaccgctgaacttaagca-----	825
LC510510(DF_S053)	ttaccgctgaacttaa-----	822
LC510513(DF_N014)	ttaccgctgaacttaagc-----	824

LC510512(DF_M050)	ttaccgct-----	813
LC510509(DS_T026)	ttaccgctgaactaa-----	820
LC510514(DS_B033)	ttaccgctgaact-----	818

**Figure S1.** Multiple sequence alignments of rDNA-ITS regions in *Phytophthora palmivora* isolates analyzed in this study. The accession number and isolate code are shown in the left of the column.