

**USDA-APHIS-PPQ-S&T- BELTSVILLE LABORATORY**  
**IDPHY: MOLECULAR AND MORPHOLOGICAL IDENTIFICATION OF *PHYTOPHTHORA***  
**SOP-PID-05.04 MOLECULAR**

**ITS and COI accession numbers for *Phytophthora* species in clade 2**

SPECIES NAME, YEAR	ITS CLADE	TYPE	ISOLATE CODE	ITS rDNA	COI
<i>P. menzei</i> (2009)	2	ET	CPHST BL 31 (P16862)	MG865539	MH136932
<b><i>P. multivesiculata</i> (1998) (19)</b>	2	ET	CPHST BL 50G (P10410)	MG865544	MH136937
<i>P. oleae</i> (2018)	2	ET	Po1a (CBS7669)	KY982930	MF083569
<i>P. siskiyouensis</i> (2008)	2	ET	CPHST BL 56 (P15122)	MG865586	MH136978
<i>P. tropicalis</i> (2001)	2	ET	CPHST BL 58 (P10329)	MG865596	MH136987
<b><i>P. botryosa</i> (1969) (15)</b>	2a	ET	CPHST BL 132 (P3425)	MK496516	MH136855
<i>P. citrophthora</i> (1925)	2a	ET	CPHST BL 60 (P0479)	MG865476	MH136872
<i>P. colocasiae</i> (1900)	2a	SE1	CPHST BL 173 (P6317)	MG865479	MH136875
<i>P. himalsilva</i> (2011)	2a	ET	CPHST BL 102 (P19820)	MG865507	MH136901
<b><i>P. meadii</i> (1918) (4)</b>	2a	SE1	CPHST BL 81 (P19007)	MG865529	MH136924
<i>P. mekongensis</i> (2017)	2a	ET	PF6a2 (CBS 135136)	KC875838	KT366920
<i>P. occultans</i> (2015)	2a	ET	CPHST BL 163 (P19955)	MG865555	MH477753
<i>P. terminalis</i> (2015)	2a	ET	CPHST BL 164 (P19956)	MG865592	MH136984
<i>P. amaranthi</i> (2016)	2b	ET	CPHST BL 174 (TARI28041)	MG783373	MH477739
<i>P. capsici</i> (1922)	2b	ET	CPHST BL 33G (P1091)	MG865467	MH136863
<i>P. glovera</i> (2011)	2b	ET	CPHST BL 36 (P11685)	MG865500	MH136895
<i>P. mexicana</i> (1923)	2b	SE1	CPHST BL 24 (P0646)	MG865540	MH136933
<i>P. acerina</i> (2014)	2c	ET	CPHST BL 114 (P19934)	MG518642	MH136845
<i>P. capensis</i> (2010)	2c	ET	CPHST BL 10 (P1819)	MG865466	MH136862
<i>P. caryae</i> (2016)	2c	ET	NJB2013-AF-08	KJ631538	N/A
<i>P. citricola</i> (1927)	2c	ET	CPHST BL 34 (P0716)	MG865475	MH136871
<i>P. multivora</i> (2009)	2c	ET	CPHST BL 104 (P19594)	MG865546	MH136939
<i>P. pachypleura</i> (2014)	2c	ET	CPHST BL 146 (P19987)	MG865558	MH136948
<i>P. pini</i> (1925)	2c	ET	CPHST BL 48 (P3274)	MG865565	MH136957
<i>P. plurivora</i> (2009)	2c	ET	CPHST BL 74 (P16840)	MG865568	MH136959
<i>P. bisheria</i> (2008)	2d	ET	CPHST BL 6 (P10117)	MG783381	MH136851
<i>P. elongata</i> (2010)	2d	ET	CPHST BL 62 (P19596)	MG865485	MH136881
<b><i>P. frigida</i> (2007) (18)</b>	2d	ET	CPHST BL 39G (P16947)	MG865496	MH136892

ITS rDNA	COI
MG865539	MH136932
MG865544	MH136937
KY982930	MF083569
MG865586	MH136978
MG865596	MH136987
MK496516	MH136855
MG865476	MH136872
MG865479	MH136875
MG865507	MH136901
MG865529	MH136924
KC875838	KT366920
MG865555	MH477753
MG865592	MH136984
MG783373	MH477739
MG865467	MH136863
MG865500	MH136895
MG865540	MH136933
MG518642	MH136845
MG865466	MH136862
KJ631538	MH136871
MG865475	MH136939
MG865546	MH136948
MG865558	MH136948
MG865565	MH136957
MG865568	MH136959
MG783381	MH136851
MG865485	MH136881
MG865496	MH136892

