

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 3, 4, 5 and two in no clade

SPECIES NAME, YEAR	ITS CLADE	TYPE	ISOLATE CODE	ITS rDNA	COI	ITS rDNA	COI
<i>P. ilicis</i> (1957)	3a	SE1	CPHST BL 103 (P6099)	MG865510	MH136904	MG865510	MH136904
<i>P. nemorosa</i> (2003)	3a	ET	CPHST BL 27 (P19600)	MG865548	MH136941	MG865548	MH136941
<i>P. pluvialis</i> (2013)	3a	ET	LC-9.2-020508 (MYA-4930)	KC529657	N/A	KC529657	N/A
<i>P. pseudosyringae</i> (2003)	3a	ET	CPHST BL 51G (P10437)	MG865574	MH136966	MG865574	MH136966
<i>P. psychrophila</i> (2002)	3a	ET	CPHST BL 52 (P10433)	MG865576	MH136968	MG865576	MH136968
<i>P. castanetorum</i> (2017)	3b	ET	BD292 (CBS 142299)	MF036182	N/A	MF036182	N/A
<i>P. quercina</i> (1999) (1)	3b	ET	CPHST BL 110 (P10439)	MG865578	MH136970	MG865578	MH136970
<i>P. tubulina</i> (2017)	3b	ET	TUB1 (CBS 141212)	MF036196	N/A	MF036196	N/A
<i>P. versiformis</i> (2017)	3b	ET	TP13.46 (CBS 142005), CPHST BL 189 (TP13.46)	KX011279	MH477760	KX011279	MH477760
<i>P. alticola</i> (19) (2017)	4	NT	TBF0060A10 (CBS141718)	KX247599	N/A	KX247599	N/A
<i>P. arenaria</i> (2011)	4	ET	CPHST BL 78 (P19599)	MG783377	MH136848	MG783377	MH136848
<i>P. boodjera</i> (2015)	4	ET	VHS26806, CPHST BL 181 (VH26806)	KJ372244	MH477743	KJ372244	MH477743
<i>P. litchii</i> (2007)	4	SE	CPHST BL 145 (P19950)	MG865524	MH136919	MG865524	MH136919
<i>P. megakarya</i> (1979) (22)	4	SE1	CPHST BL 22 (P1664)	MG865533	MH136928	MG865533	MH136928
<i>P. palmivora</i> (1910)	4	SE1	CPHST BL 105 (P0633)	MG865559	MH136949	MG865559	MH136949
<i>P. quercetorum</i> (2008)	4	ET	CPHST BL 52G (P15555)	MG865577	MH136969	MG865577	MH136969
<i>P. agathidicida</i> (2015)	5	ET	CPHST BL 154 (P15175)	MG602692	MK493471	MG602692	MK493471
<i>P. castaneae</i> (1976) (14)	5	ET	CPHST BL 47G (P10187)	MG865470	MH136866	MG865470	MH136866
<i>P. cocois</i> (2015)	5	ET	CPHST BL 157 (P19948)	MG865478	MH136874	MG865478	MH136874
<i>P. heveae</i> (1929)	5	ET	CPHST BL 67 (P3428)	MG865505	MH136899	MG865505	MH136899
<i>P. stricta</i> (2014)	X1	ET	CPHST BL 127 (P19972)	MG865589	MH136981	MG865589	MH136981
<i>P. lillii</i> (2015)	X2	ET	CPHST BL 123 (P19991)	MG865523	MH136918	MG865523	MH136918

