

**Table 1**

Endophyte isolation from different Potato lines amidst different growing conditions; while the number of Endophytes did not increase, the profile changed

Cultivar / Species / Host	Site / Location	EndoPhyte Fungal Isolate	Classification	ITS / TEF	GenBank #	Strain	Additional Notes
Bintje	Greenhouse	<i>Phaeosphaeria avenaria</i>	Ascomycete	ITS	PP845206	'Bintje1'	Complete
	Greenhouse	<i>Nemlia sp.</i>	Ascomycete	ITS	PP735122	'Bintje2'	Complete
	Greenhouse	<i>Nemlia delonicis</i>	Ascomycete	TEF	PP840232	'Bintje3'	Complete
	Greenhouse	<i>Xylariaceae sp.</i>	Ascomycete	ITS	PP737650	'Bintje4'	Complete
	Greenhouse	<i>Parastagonospora sp.</i>	Ascomycete	TEF	PP840230	'Bintje5'	Complete
Solanum microdontum	Greenhouse	<i>Arcopilus aureus</i>	Ascomycete	TEF	PP829220	'SolanumMicrodontum1'	Complete
	Greenhouse	<i>Arcopilus aureus</i>	Ascomycete	ITS	PP735249	'SolanumMicrodontum2'	Complete
	Greenhouse	<i>Cladosporium cladosporiodes</i>	Ascomycete	ITS	PP735259	'SolanumMicrodontum3'	Complete
Kennebec	Greenhouse	<i>Exserohilum rostratum</i>	Ascomycete	ITS	PP735376	'Kennebec1'	Complete
	Greenhouse	<i>Exserohilum rostratum</i>	Ascomycete	TEF	PP831755	'Kennebec2'	Complete
	Greenhouse	<i>Cladosporium cladosporiodes</i>	Ascomycete	ITS	PP735919	'Kennebec3'	Complete
	Greenhouse	<i>Moesziomyces aphidis</i>	Basidiomycete	ITS	PP845225	'Kennebec4'	Complete
	Greenhouse	<i>Moesziomyces rugulosus</i>	Ascomycete	TEF	PP829225	'Kennebec 6'	Complete
	Greenhouse	<i>Cladosporium oxysporum</i>	Ascomycete	TEF	PP840231	'Kennebec18'	Complete
	Field	<i>Colletotrichum siamense</i>	Ascomycete	ITS	PP736360	'Kennebec7'	Complete
	Field	<i>Fusarium oxysporum</i>	Ascomycete	ITS	PP736774	'Kennebec9'	Complete
	Field	<i>Fusarium oxysporum</i>	Ascomycete	TEF	PP829219	'Kennebec10'	Complete
	Field	<i>Phoma sp.</i>	Ascomycete	ITS	PP736823	'Kennebec11'	Complete
	Field	<i>Chaetopyrena penicillata</i>	Ascomycete	ITS	PP754852	'Kennebec12'	Complete
	Field	<i>Phoma aliena</i>	Ascomycete	ITS	PP737061	'Kennebec13'	Complete
	Field	<i>Colletotrichum scovillei</i>	Ascomycete	ITS	PP737139	'Kennebec14'	Complete
	Field	<i>Colletotrichum gloeosporides</i>	Ascomycete	TEF	PP829224	'Kennebec15'	Complete
	Field	<i>Pestalotiopsis microspora</i>	Ascomycete	ITS	PP744592	'Kennebec16'	Complete
Field	<i>Neopestalotiopsis hyperici</i>	Ascomycete	TEF	PP829218	'Kennebec17'	Complete	
Pontiac	Greenhouse	<i>Cladosporium cladosporiodes</i>	Ascomycete	ITS	PP841627	'Pontiac1'	Complete
	Greenhouse	<i>Cladosporium sp.</i>	Ascomycete	TEF	PP840233	'Pontiac2'	Complete
	Greenhouse	<i>Cladosporium tenuissimum</i>	Ascomycete	ITS	PP747419	'Pontiac3'	Complete
	Greenhouse	<i>Cladosporium oxysporum</i>	Ascomycete	TEF	PP829223	'Pontiac4'	Complete
	Greenhouse	<i>Moesziomyces aphidis</i>	Basidiomycete	ITS	PP747686	'Pontiac5'	Complete
	Greenhouse	<i>Moesziomyces rugulosus</i>	Ascomycete	TEF	PP829222	'Pontiac6'	Complete
	Field	<i>Didymella bellidis</i>	Ascomycete	ITS	PP747687	'Pontiac7'	Complete
	Field	<i>Boeremia exigua</i>	Ascomycete	TEF	PP829217	'Pontiac8'	Complete
	Field	<i>Certobasidium sp</i>	Basidiomycete	ITS	PP747690	'Pontiac9'	Complete
	Field	<i>Certobasidium sp</i>	Basidiomycete	TEF	PP831754	'Pontiac10'	Complete
	Field	<i>Colletotrichum acutatum</i>	Ascomycete	ITS	PP747805	'Pontiac11'	Complete
	Field	<i>Alternaria angustiovoidea</i>	Ascomycete	ITS	PP747809	'Pontiac12'	Complete
	Field	<i>Biscogniauxia mediterranea</i>	Ascomycete	TEF	PP829216	'Pontiac13'	Complete
	Field	<i>Aurobasidium sp.</i>	Ascomycete	ITS	PP747809	'Pontiac14'	Complete
	Field	<i>Coniochaeta deborrae</i>	Ascomycete	TEF	PP829221	'Pontiac15'	Complete
Purple Majesty	Field	<i>Phlebiopsis flavidaalba</i>	Basidiomycete	ITS	PP747820	'PurpleMajesty1'	Complete
	Field	<i>Phlebiopsis flavidaalba</i>	Basidiomycete	TEF	PP853072	'PurpleMajesty2'	Complete
	Field	<i>Fusarium avenaceum</i>	Ascomycete	ITS	PP748547	'PurpleMajesty3'	Complete
	Field	<i>Colletotrichum boninense</i>	Ascomycete	ITS	PP748548	'PurpleMajesty4'	Complete
	Field	<i>Fusarium oxysporum</i>	Ascomycete	TEF	PP829215	'PurpleMajesty5'	Complete
	Field	<i>Colletotrichum gloeosporides</i>	Ascomycete	ITS	PP763382	'PurpleMajesty6'	Complete
	Field	<i>Colletotrichum siamense</i>	Ascomycete	TEF	PP829214	'PurpleMajesty7'	Complete
	Greenhouse	<i>Phlebiopsis flavidaalba</i>	Basidiomycete	ITS	PP841140	'PurpleMajesty8'	Complete
	Greenhouse	<i>Phlebiopsis flavidaalba</i>	Basidiomycete	TEF	PP853073	'PurpleMajesty9'	Complete

**InfoGraphic Legend**

Taxonomy Change	Status
Awaiting Review	
ITS	Sequence
TEF	
Greenhouse	Site
Field	
Bintje	Species & / or Cultivar
Solanum microdontum	
Kennebec	
Pontiac	
Purple Majesty	Classification
Ascomycete	
Basidiomycete	