Table S3. Fungal identity determined by best BLAST match (%) to genus/species using ITS sequence or RPB2 for *Didymellaceae* and *Fusarium* species. Relative abundance recorded for each genus/species as the number of buckthorn trees from which the genus/species was isolated.

Fungal Taxa	Coverage	Best BLAST Match	Relative Abundance	Accession # ITS	Accession # RPB2
Ascomycota					
Alternaria sp.	100.00%	100.00%	2	PV073955	
Leptodophora orchidicola	100.00%	99.51%	2	PV073956	
Cladosporium sp.	100.00%	99.81%	1	PV073958	
Dactylaria appendiculata	86.00%	97.61%	1	PV073959	
Diaporthe celastrina	100.00%	99.27%	1	PV073960	
Fusarium acuminatum	100.00%	100.00%	1	PV073961	PV247576
Fusarium sporotrichioides	100.00%	100.00%	1	PV073962	PV247577
Nectriella pironii	100.00%	99.44%	1	PV073963	
Nothophoma quercina	100.00%	100.00%	1	PV073964	PV247578
Paraphaeosphaeria viridescens	100.00%	97.86%	1	PV073965	
Paraphoma salicis	100.00%	97.86%	1	PV073966	
Pestalotiopsis microspora	100.00%	100.00%	1	PV073967	
Pezicula radicicola	100.00%	100.00%	1	PV073968	
Phialocephala fortinii	100.00%	99.36%	1	PV073969	
Plenodomus biglobosus	94.00%	98.38%	1	PV073957	
Sporothrix silvicola	100.00%	99.83%	1	PV073970	