

Supplementary Table 1 Additional selection of isolates used to test Apn2 primers and GenBank Accessions

Species	Isolate/culture collection	Host	Country	Collector	GenBank Accession of Apn2 gene
<i>D. angelicae</i>	CBS 111592	<i>Heracleum sphondylium</i>	Austria	W. Jaklitsch	KM016684
<i>D. batatas</i>	CBS 122.21	<i>Ipomoea batatas</i>	USA:NJ	L.H. Harter	KM016677
<i>D. citriasiana</i>	CBS 134240	<i>Citrus unshiu</i>	China	F. Huang	KM016681
<i>D. convolvuli</i>	FAU649	<i>Convolvulus arvensis</i>	Canada	J. Ormeno-Nunez	KM016674
<i>D. cytospora</i>	FAU461/CBS 137020	<i>Citrus limon</i>	Spain	M. Palm	KM016678
<i>D. foeniculina</i>	DP0391/CBS 111553	<i>Foeniculum vulgare</i>	Portugal	A. Phillips	KM016679
<i>D. helianthi</i>	CBS 592.81	<i>Helianthus annuus</i>	Serbia	M. Muntañola-Cvetkovic	KM016689
<i>D. longicolla</i>	FAU599/ATCC60325	<i>Glycine max</i>	USA:OH	T.W. Hobbs	KM016676
<i>D. lucitanicae</i>	CBS 123212	<i>Foeniculum vulgare</i>	Portugal	J.M. Santos	KM016694
<i>D. melonis</i>	CBS 507.78	<i>Cucumis melo</i>	USA:TX	L. Beraha & M.J. O'Brien	KM016680
<i>D. neoarctii</i>	CBS 109490	<i>Ambrosia trifida</i>	USA:NJ	G. Bills	KM016683
<i>D. novem</i>	CBS 127270	<i>Glycine max</i>	Croatia	T. Duvnjak	KM016691
<i>D. perijuncta</i>	CBS 109745	<i>Ulmus glabra</i>	Austria	W. Jaklitsch	KM016687
<i>D. pterocarpicola</i>	DPH013/CBS 135432	<i>Pterocarpus indicus</i>	Thailand	D. Udayanga	KM016685
<i>D. rudis</i>	AR3422/CBS 109292	<i>Laburnum anagyroides</i>	Austria	W. Jaklitsch	KM016686
<i>D. thunbergii</i>	DPH008	<i>Thunbergia laurifolia</i>	Thailand	D. Udayanga	KM016688
<i>Diaporthe</i> sp. 1	AR3602	<i>Cucumis melo</i>	Japan	T. Kobayashi	KM016673
<i>Diaporthe</i> sp. 2	FAU635	<i>Glycine max</i>	USA:OH	F.A. Uecker	KM016675
<i>Diaporthe</i> sp. 3	FAU656	<i>Cucumis melo</i>	USA:OK	unknown	KM016690
<i>Diaporthe</i> sp. 4	DP0482	<i>Arctium lappa</i>	Austria	W. Jaklitsch	KM016682
<i>Mazzantia galii</i>	AR4658/ CBS 125529	<i>Galium aparine</i>	France	A. Gardiennet	KM016693
<i>Ophiidiaporthe cyatheae</i>	AR5192	<i>Cyathea lepifera</i>	Taiwan	C.H. Fu	KM016692

ESM 1 Udayanga D, Castlebury LA, Rossman AY, Cukeatirote E & Hyde KD (2014) Insights in to the genus *Diaporthe*: Phylogenetic species delimitation in the *D. eres* species complex. Fungal Diversity, FUDI-D-14-00090.

Table 1: Isolates and sequences used in this study (Udayanga et al. 2014) Fungal Diversity

Species	Isolate/culture collection	Host	Host family	Location	Collector	GenBank Accessions							
						ACT	Apn2	CAL	EF1- α	FG1093	HIS	ITS	TUB
<i>D. alleghaniensis</i>	CBS 495.72	<i>Betula alleghaniensis</i>	<i>Betulaceae</i>	Canada	R. H. Arnold	JQ807299	KJ380963	KC343249	GQ250298	KJ381045	KC343491	FJ889444	KC843228
<i>D. alnea</i>	CBS 146.46	<i>Alnus</i> sp.	<i>Betulaceae</i>	Netherlands	S. Truter	KJ420774	KJ380969	KC343250	KC343734	KJ381037	KC343492	KC343008	KC343976
	CBS 159.47	<i>Alnus</i> sp.	<i>Betulaceae</i>	Netherlands	S. Truter	KJ420775	KJ380970	KC343251	KC343735	KJ381038	KC343493	KC343009	KC343977
	LCM22b.02a	<i>Alnus</i> sp.	<i>Betulaceae</i>	USA	L. Mejia	KJ420776	KJ380971	KJ435020	KJ210557	KJ381039	KJ420883	KJ210535	KJ420825
	LCM22b.02b	<i>Alnus</i> sp.	<i>Betulaceae</i>	USA	L. Mejia	KJ420777	KJ380972	KJ435021	KJ210558	KJ381040	KJ420884	KJ210536	KJ420826
<i>D. bicincta</i>	DP0659 = CBS 121004	<i>Juglans</i> sp.	<i>Juglandaceae</i>	USA	A.Y. Rossman	KJ420771	KJ380976	KC343376	KC343860	KJ381042	KC343618	KC343134	KC344102
<i>D. celastrina</i>	CBS 139.27	<i>Celastrus</i> sp.	<i>Celastraceae</i>	USA	L. E. Wehmeyer	KJ420769	KJ380974	KC343289	KC343773	KJ381041	KC343531	KC343047	KC344015
<i>D. ctri</i>	AR3405	<i>Citrus</i> sp.	<i>Rutaceae</i>	USA	L. W. Timmer	KC843234	KJ380981	KC843157	KC843071	KJ381049	KJ420881	KC843311	KC843187
<i>D. citrichinensis</i>	ZJUD034A= CBS 134242	<i>Citrus</i> sp.	<i>Rutaceae</i>	China	F. Huang	KJ420779	KJ380980	KC843234	KC843071	KJ381048	KJ420880	KC843311	KC843187
	ZJUD034B =M1040	<i>Citrus</i> sp.	<i>Rutaceae</i>	China	F. Huang	KJ420778	KJ380979	KJ435042	KJ210562	KJ381047	KJ420879	KJ210539	KJ420829
<i>D. eres</i>	AR5193= CBS 138594	<i>Ulmus</i> Sp.	<i>Ulmaceae</i>	Germany	R. Schumacher	KJ420760	KJ380958	KJ434999	KJ210550	KJ381003	KJ420850	KJ210529	KJ420799
	AR5196 = CBS 138595	<i>Ulmus</i> sp.	<i>Ulmaceae</i>	Germany	R. Schumacher	KJ420766	KJ380932	KJ435006	KJ210554	KJ381021	KJ420866	KJ210533	KJ420817
	DP0438	<i>Ulmus minor</i>	<i>Ulmaceae</i>	Austria	W. Jaklitch	KJ420765	KJ380935	KJ435016	KJ210553	KJ381020	KJ420886	KJ210532	KJ420816
	LCM114.01a= CBS 138598	<i>Ulmus</i> sp.	<i>Ulmaceae</i>	USA	L. Mejia	KJ420754	KJ380919	KJ435027	KJ210545	KJ380988	KJ420837	KJ210521	KJ420787
	LCM114.01b	<i>Ulmus</i> sp.	<i>Ulmaceae</i>	USA	L. Mejia	KJ420754	KJ380918	KJ435026	KJ210544	KJ380987	KJ420836	KJ210520	KJ420786
	FAU483	<i>Malus</i> sp.	<i>Rosaceae</i>	Netherlands	F. A. Uecker	JQ807326	KJ380933	KJ435022	JQ807422	KJ381031	KJ420874	KJ210537	KJ420827
	DAN001A =M1115	<i>Daphne laureola</i>	<i>Thaymeleaceae</i>	France	unknown	KJ420750	KJ380914	KJ434994	KJ210540	KJ380982	KJ420831	KJ210516	KJ420781
	DAN001B =M1116	<i>Daphne laureola</i>	<i>Thaymeleaceae</i>	France	unknown	KJ420751	KJ380915	KJ434995	KJ210541	KJ380983	KJ420832	KJ210517	KJ420782
	AR5197	<i>Rhododendron</i>	<i>Ericaceae</i>	Germany	R.Schumacher	KJ420764	KJ380931	KJ435014	KJ210552	KJ381016	KJ420863	KJ210531	KJ420812
	CBS 439.82	<i>Cotoneaster</i> sp.	<i>Rosaceae</i>	UK	H. Butin	KC843231	KJ380920	JX197429	GQ250341	KJ380989	KC343574	FJ889450	JX275437
	AR3519	<i>Corylus avellana</i>	<i>Betulaceae</i>	Austria	W. Jaklitsch	KJ420758	KJ380922	KJ435008	KJ210547	KJ380991	KJ420839	KJ210523	KJ420789
	FAU506	<i>Cornus florida</i>	<i>Cornaceae</i>	USA	F. A. Uecker	JQ807328	KJ380925	KJ435012	JQ807403	KJ380994	KJ420842	KJ210526	KJ420792
	FAU570	<i>Oxydendrum arboreum</i>	<i>Ericaceae</i>	USA	F. A. Uecker	JQ807335	KJ380926	KJ435025	JQ807410	KJ380996	KJ420844	KJ210527	KJ420794
	AR3723	<i>Rubus fruticosus</i>	<i>Rosaceae</i>	Austria	W. Jaklitsch	JQ807273	KJ380941	KJ435024	JQ807354	KJ380995	KJ420843	JQ807428	KJ420793
	FAU522	<i>Sassafras albida</i>	<i>Lauraceae</i>	USA	F. A. Uecker	JQ807331	KJ380924	KJ435010	JQ807406	KJ380993	KJ420841	KJ210525	KJ420791
	DP0666	<i>Juglans cinerea</i>	<i>Juglandaceae</i>	USA	S. Anagnostakis	KJ420756	KJ380921	KJ435007	KJ210546	KJ380990	KJ420838	KJ210522	KJ420788

	DP0667 =CBS 135428	<i>Juglans cinerea</i>	<i>Juglandaceae</i>	USA	S. Anagnostakis	KC843232	KJ380923	KC843155	KC843121	KJ380992	KJ420840	KC843328	KC843229
	AR3560	<i>Viburnum</i> sp.	<i>Adoxaceae</i>	Austria	W. Jaklitch	JQ807270	KJ380939	KJ435011	JQ807351	KJ380998	KJ420846	JQ807425	KJ420795
	AR5224	<i>Hedera helix</i>	<i>Araliaceae</i>	Germany	R. Schumacher	KJ420763	KJ380961	KJ435036	KJ210551	KJ381006	KJ420853	KJ210530	KJ420802
	AR5231	<i>Hedera helix</i>	<i>Araliaceae</i>	Germany	R. Schumacher	KJ420767	KJ380936	KJ435038	KJ210555	KJ381022	KJ420867	KJ210534	KJ420818
	AR5223= CBS 138599	<i>Acer nugundo</i>	<i>Sapindaceae</i>	Germany	R. Schumacher	KJ420759	KJ380938	KJ435000	KJ210549	KJ380997	KJ420845	KJ210528	KJ420830
	CBS 109767 =AR3538	<i>Acer</i> sp.	<i>Sapindaceae</i>	Austria	W. Jaklitsch	JQ807294	KJ380940	KC343317	KC343801	JF319006	KC343559	DQ491514	KC344043
	DLR12A =M1117= CBS 138597	<i>Vitis vinifera</i>	<i>Vitaceae</i>	France	L. Phillipe	KJ420752	KJ380916	KJ434996	KJ210542	KJ380984	KJ420833	KJ210518	KJ420783
	DLR12B =M1118	<i>Vitis vinifera</i>	<i>Vitaceae</i>	France	L. Phillipe	KJ420753	KJ380917	KJ434997	KJ210543	KJ380985	KJ420834	KJ210519	KJ420784
	AR4347	<i>Vitis vinifera</i>	<i>Vitaceae</i>	Korea	S.K. Hong	JQ807275	KJ380929	KJ435030	JQ807356	KJ381009	KJ420856	JQ807430	KJ420805
	Di-C005/1	<i>Hydrangea macrophylla</i>	<i>Hydrangacea e</i>	Portugal	J. M. Santos	-	-	-	GQ250334	-	-	GQ250203	-
	Di-C005/2	<i>Hydrangea macrophylla</i>	<i>Hydrangacea e</i>	Portugal	J. M. Santos	-	-	-	GQ250335	-	-	GQ250204	-
	Di-C005/3	<i>Hydrangea macrophylla</i>	<i>Hydrangacea e</i>	Portugal	J. M. Santos	-	-	-	GQ250336	-	-	GQ250205	-
	Di-C005/4	<i>Hydrangea macrophylla</i>	<i>Hydrangacea e</i>	Portugal	J. M. Santos	-	-	-	GQ250342	-	-	GQ250208	-
	Di-C005/5	<i>Hydrangea macrophylla</i>	<i>Hydrangacea e</i>	Portugal	J. M. Santos	-	-	-	GQ250343	-	-	GQ250209	-
	Di-C005/6	<i>Hydrangea macrophylla</i>	<i>Hydrangacea e</i>	Portugal	J. M. Santos	-	-	-	GQ250344	-	-	GQ250210	-
	Di-C005/7	<i>Hydrangea macrophylla</i>	<i>Hydrangacea e</i>	Portugal	J. M. Santos	-	-	-	GQ250345	-	-	GQ250211	-
	Di-C005/8	<i>Hydrangea macrophylla</i>	<i>Hydrangacea e</i>	Portugal	J. M. Santos	-	-	-	GQ250337	-	-	GQ250206	-
	Di-C005/9	<i>Hydrangea macrophylla</i>	<i>Hydrangacea e</i>	Portugal	J. M. Santos	-	-	-	GQ250346	-	-	GQ250212	-
	Di-C005/10	<i>Hydrangea macrophylla</i>	<i>Hydrangacea e</i>	Portugal	J. M. Santos	-	-	-	GQ250347	-	-	GQ250213	-
	AR4355	<i>Prunus</i> sp.	<i>Rosaceae</i>	Korea	S. K. Hong	JQ807278	KJ380942	KJ435035	JQ807359	KJ381001	KJ420848	JQ807433	KJ420797
	AR4367	<i>Prunus</i> sp.	<i>Rosaceae</i>	Korea	S. K. Hong	JQ807283	KJ380962	KJ435019	JQ807364	KJ381029	KJ420873	JQ807438	KJ420824
	AR4346	<i>Prunus mume</i>	<i>Rosaceae</i>	Korea	S. K. Hong	JQ807274	KJ380955	KJ435003	JQ807355	KJ381027	KJ420872	JQ807429	KJ420823
	AR4348	<i>Prunus persici</i>	<i>Rosaceae</i>	Korea	S. K. Hong	JQ807276	KJ380952	KJ435004	JQ807357	KJ381015	KJ420862	JQ807431	KJ420811
	AR3669= MAFF 625029	<i>Pyrus pyrifolia</i>	<i>Rosaceae</i>	Japan	S. Kanematsu	JQ807340	KJ380930	KJ435002	JQ807415	KJ381012	KJ420859	JQ807466	KJ420808
	AR3670 = MAFF 625030	<i>Pyrus pyrifolia</i>	<i>Rosaceae</i>	Japan	S. Kanematsu	JQ807341	KJ380950	KJ435001	JQ807416	KJ381011	KJ420858	JQ807467	KJ420807
	AR3671=MAF	<i>Pyrus pyrifolia</i>	<i>Rosaceae</i>	Japan	S. Kanematsu	JQ807342	KJ380954	KJ435017	JQ807417	KJ381018	KJ420865	JQ807468	KJ420814

	F 625033												
	AR3672= MAFF 625034	<i>Pyrus pyrifolia</i>	<i>Rosaceae</i>	Japan	S. Kanematsu	JQ807343	KJ380937	KJ435023	JQ807418	KJ381023	KJ420868	JQ807469	KJ420819
	DP0177	<i>Pyrus pyrifolia</i>	<i>Rosaceae</i>	New Zealand	W. Kandula	JQ807304	KJ380945	KJ435041	JQ807381	KJ381024	KJ420869	JQ807450	KJ420820
	DP0591	<i>Pyrus pyrifolia</i>	<i>Rosaceae</i>	New Zealand	W. Kandula	JQ807319	KJ380946	KJ435018	JQ807395	KJ381025	KJ420870	JQ807465	KJ420821
	AR4369	<i>Pyrus pyrifolia</i>	<i>Rosaceae</i>	Korea	S. K. Hong	JQ807285	KJ380953	KJ435005	JQ807366	KJ381017	KJ420864	JQ807440	KJ420813
	DP0180	<i>Pyrus pyrifolia</i>	<i>Rosaceae</i>	New Zealand	W. Kandula	JQ807307	KJ380928	KJ435029	JQ807384	KJ381008	KJ420855	JQ807453	KJ420804
	DP0179	<i>Pyrus pyrifolia</i>	<i>Rosaceae</i>	New Zealand	W. Kandula	JQ807306	KJ380944	KJ435028	JQ807383	KJ381007	KJ420854	JQ807452	KJ420803
	DP0590	<i>Pyrus pyrifolia</i>	<i>Rosaceae</i>	New Zealand	W. Kndula	JQ807318	KJ380951	KJ435037	JQ807394	KJ381014	KJ420861	JQ807464	KJ420810
	AR4373	<i>Ziziphus jujuba</i>	<i>Rhamnaceae</i>	Korea	S. K. Hong	JQ807287	KJ380957	KJ435013	JQ807368	KJ381002	KJ420849	JQ807442	KJ420798
	AR4374	<i>Ziziphus jujuba</i>	<i>Rhamnaceae</i>	Korea	S. K. Hong	JQ807288	KJ380943	KJ434998	JQ807369	KJ380986	KJ420835	JQ807443	KJ420785
	AR4357	<i>Ziziphus jujuba</i>	<i>Rhamnaceae</i>	Korea	S. K. Hong	JQ807279	KJ380949	KJ435031	JQ807360	KJ381010	KJ420857	JQ807434	KJ420806
	AR4371	<i>Malus pumila</i>	<i>Rosaceae</i>	Korea	S. K. Hong	JQ807286	KJ380927	KJ435034	JQ807367	KJ381000	KJ420847	JQ807441	KJ420796
	FAU532	<i>Chamaecyparis thyoides</i>	<i>Cupressaceae</i>	USA	F. A. Uecker	JQ807333	KJ380934	KJ435015	JQ807408	KJ381019	KJ420885	JQ807333	KJ420815
	CBS113470	<i>Castanea sativa</i>	<i>Fagaceae</i>	Australia	K.A. Seifert	KJ420768	KJ380956	KC343388	KC343872	KJ381028	KC343630	KC343146	KC344114
	AR4349	<i>Vitis vinifera</i>	<i>Vitaceae</i>	Korea	S.K. Hong	JQ807277	KJ380947	KJ435032	JQ807358	KJ381026	KJ420871	JQ807432	KJ420822
	AR4363	<i>Malus sp.</i>	<i>Rosaceae</i>	Korea	S. K Hong	JQ807281	KJ380948	KJ435033	JQ807362	KJ381013	KJ420860	JQ807436	KJ420809
	DNP128 (=BYD1,M111 9)	<i>Castaneae mollissimae</i>	<i>Fagaceae</i>	China	S.X. Jiang	KJ420762	KJ380960	KJ435040	KJ210561	KJ381005	KJ420852	JF957786	KJ420801
	DNP129 (=BYD2, M1120)	<i>Castaneae mollissimae</i>	<i>Fagaceae</i>	China	S.X. Jiang	KJ420761	KJ380959	KJ435039	KJ210560	KJ381004	KJ420851	JQ619886	KJ420800
	CBS 587.79	<i>Pinus pantepella</i>	<i>Pinaceae</i>	Japan	G. H. Boerema	KJ420770	KJ380975	KC343395	KC343879	KJ381030	KC343637	KC343153	KC344121
<i>D. helioides</i>	AR5211= CBS 138596	<i>Hedera helix</i>	<i>Araliaceae</i>	France	A. Gardiennet	KJ420772	KJ380977	KJ435043	KJ210559	KJ381043	KJ420875	KJ210538	KJ420828
<i>D. neilliae</i>	CBS 144. 27	<i>Spiraea sp.</i>	<i>Rosaceae</i>	USA	L.E. Wehmeyer	KJ420780	KJ380973	KC343386	KC343870	KJ381046	KC343628	KC343144	KC344112
<i>D. pulla</i>	CBS 338.89	<i>Hedera helix</i>	<i>Araliaceae</i>	Yugoslavia	M. Cevetcovic	KJ420773	KJ380978	KC343394	KC343878	KJ381044	KC343636	KC343152	KC344120
<i>D. vaccinii</i>	CBS 135436 =DF5032	<i>Vaccinium corymbosum</i>	<i>Ericaceae</i>	USA	D.F. Farr	JQ807303	KJ380964	KC849457	JQ807380	KJ381032	KJ420877	AF317570	KC843225
	FAU633	<i>Vaccinium macrocarpon</i>	<i>Ericaceae</i>	USA	F. A. Uecker	JQ807338	KJ380966	KC849456	JQ807413	KJ381034	KJ420878	U11360,U1 1414	KC843226
	FAU446	<i>Vaccinium macrocarpon</i>	<i>Ericaceae</i>	USA	F. Caruso	JQ807322	KJ380967	KC849455	JQ807398	KJ381035	KJ420882	U11317,U1 1367	KC843224
	CBS 160.32	<i>Vaccinium macrocarpon</i>	<i>Ericaceae</i>	USA	C. Shear	JQ807297	KJ380968	KC343470	GQ250326	KJ381036	KC343712	AF317578	JX270436
	FAU 468	<i>Vaccinium macrocarpon</i>	<i>Ericaceae</i>	USA	F. A. Uecker	JQ807323	KJ380965	KC849458	JQ807399	KJ381033	KJ420876	U113327,U 11377	KC843227