

APPENDIX 1. Molecular identification of endophytic fungi isolated from *P. coriocardia* roots samples in the Mazán Forest Reserve (Azuay Province, Ecuador) based on the closest match in the GenBank database.

Isolate code number		GenBank accession number	Phylum	Possible identity	Best match in BLAST analysis		Host Substrate of <i>P. coriocardia</i>
					Closest relatives (accession number)	% Identity	
UCUE_Pc_M_	1MF5	MF471296	Ascomycota	<i>Pestalotiopsis</i>	AY461815.1	99	Other phorophytes
UCUE_Pc_M_	1MF1	MF471251	Ascomycota	<i>Nigrospora</i>	EU272503.1	99	Other phorophytes
UCUE_Pc_M_	1MF2	MF471234	Basidiomycota	<i>Psilocybe</i>	KC007301.1	96	Other phorophytes
UCUE_Pc_M_	1MF6	MF471289	Basidiomycota	Unknown fungi	KU761146.1	94	Other phorophytes
UCUE_Pc_M_	2MR2	MF471266	Ascomycota	<i>Arthrinium</i>	HQ385968.1	98	Rock
UCUE_Pc_M_	2MF4	MF471247	Zygomycota	<i>Helicostylum</i>	KM396375.1	95	Rock
UCUE_Pc_M_	3MR1	MF471265	Ascomycota	<i>Trichoderma</i>	KU727807.1	99	Rock
UCUE_Pc_M_	3MR3	MF471253	Ascomycota	<i>Hypocrea</i>	EU871036	99	Rock
UCUE_Pc_M_	3MR5	MF471248	Ascomycota	<i>Trichoderma</i>	JF773644	99	Rock
UCUE_Pc_M_	3MR2	MF471252	Ascomycota	Unknown fungi	KP714312.1	85	Rock
UCUE_Pc_M_	5.1MF7	MF471228	Basidiomycota	<i>Coprinellus</i>	FJ185160.1	99	Phorophytes in decomposition
UCUE_Pc_M_	5.1MF1	MF471278	Basidiomycota	<i>Mycena</i>	FJ785523.1	96	Phorophytes in decomposition
UCUE_Pc_M_	5MF2	MF471303	Ascomycota	<i>Trichoderma</i>	HM439523.1	95	Phorophytes in decomposition
UCUE_Pc_M_	6MF3	MF471236	Ascomycota	<i>Ilyonectria</i>	KF646096.1	99	Phorophytes in decomposition
UCUE_Pc_M_	7MR5	MF471241	Ascomycota	<i>Gibberella</i>	HQ630977	99	Rock
UCUE_Pc_M_	7MR4	MF471304	Basidiomycota	Psathyrellaceae	GU056021	96	Rock
UCUE_Pc_M_	8MF4	MF471270	Ascomycota	<i>Trichoderma</i>	KU727807.1	99	Other phorophytes
UCUE_Pc_M_	8MF2	MF471238	Ascomycota	Endophyte	FJ613085.1	99	Other phorophytes
UCUE_Pc_M_	8MF5	MF471268	Ascomycota	Unknown fungi	KU978069.1	94	Other phorophytes
UCUE_Pc_M_	9.1MF3	MF471245	Ascomycota	<i>Fusarium</i>	KU978069.1	99	Phorophytes in decomposition
UCUE_Pc_M_	9.3MF1	MF471246	Zygomycota	<i>Umbelopsis</i>	AB193542.1	98	Phorophytes in decomposition
UCUE_Pc_M_	9.3MF2	MF471222	Basidiomycota	<i>Coprinellus</i>	FJ185160.1	98	Phorophytes in decomposition
UCUE_Pc_M_	9.2MF2	MF471231	Ascomycota	Unknown fungi	AM999730	85	Phorophytes in decomposition
UCUE_Pc_M_	9.3MF4	MF471238	Ascomycota	Unknown fungi	FJ613085.1	80	Phorophytes in decomposition
UCUE_Pc_M_	10MF4	MF471261	Ascomycota	Nectriaceae	JN088237.1	99	Other phorophytes
UCUE_Pc_M_	10MF2	MF471242	Ascomycota	<i>Bionectria</i>	KC007301.1	96	Other phorophytes
UCUE_Pc_M_	10MF1	MF471260	Ascomycota	Unknown fungi	FR717914.1	81	Other phorophytes
UCUE_Pc_M_	12.1MF3	Unidentified	Basidiomycota	Unknown fungi	Unidentified	-	Phorophytes in decomposition
UCUE_Pc_M_	12MF3	MF471300	Ascomycota	<i>Xylaria</i>	KU743974.1	99	<i>Ocotea sp.</i>
UCUE_Pc_M_	12MF6	MF471291	Ascomycota	<i>Epicoccum</i>	HQ914878	99	<i>Ocotea sp.</i>
UCUE_Pc_M_	12MF2	MF471279	Ascomycota	<i>Epicoccum</i>	KX664321.1	99	<i>Ocotea sp.</i>

UCUE_Pc_M_	12.1MF4	MF471282	Ascomycota	<i>Trichoderma</i>	JN715591.1	98	Phorophytes in decomposition
UCUE_Pc_M_	14MF2	MF471299	Ascomycota	<i>Fusarium</i>	KU978069.1	99	Sarar - <i>Weinmannia fagaroides</i>
UCUE_Pc_M_	17MR4	MF471263	Ascomycota	<i>Chaetomium</i>	HG937119.1	98	Rock
UCUE_Pc_M_	18.1MF3	MF471240	Basidiomycota	<i>Coprinellus</i>	JN198387	99	<i>Ocotea sp.</i>
UCUE_Pc_M_	18MF4	MF471220	Ascomycota	<i>Phoma</i>	EU343130	99	<i>Ocotea sp.</i>
UCUE_Pc_M_	19MF2	MF471226	Basidiomycota	<i>Coprinellus</i>	JN198387	97	Sarar - <i>Weinmannia fagaroides</i>
UCUE_Pc_M_	19MF1.4.1	MF471221	Basidiomycota	Unknown fungi	GU055721	90	Sarar - <i>Weinmannia fagaroides</i>
UCUE_Pc_M_	20M6	MF471243	Ascomycota	<i>Chaetomium</i>	HG937119.1	99	<i>Ocotea sp.</i>
UCUE_Pc_M_	21MF2	MF471254	Basidiomycota	<i>Coprinellus</i>	FJ755223	99	<i>Ocotea sp.</i>
UCUE_Pc_M_	21MF1	MF471232	Basidiomycota	<i>Coprinellus</i>	KP216899.1	99	<i>Ocotea sp.</i>
UCUE_Pc_M_	21MF4	MF471250	Basidiomycota	<i>Coprinellus</i>	FJ755223	98	<i>Ocotea sp.</i>
UCUE_Pc_M_	22MF	MF471305	Zygomycota	<i>Umbelopsis</i>	EU490082	98	Other phorophytes
UCUE_Pc_M_	22MF2.3	MF471294	Basidiomycota	<i>Coprinellus</i>	AY461815.1	95	Other phorophytes
UCUE_Pc_M_	22MF3	MF471237	Zygomycota	Unknown fungi	AB193543.1	90	Other phorophytes
UCUE_Pc_M_	23MF3	MF471244	Zygomycota	Unknown fungi	KJ028792.1	93	Sarar - <i>Weinmannia fagaroides</i>
UCUE_Pc_M_	24MF1	MF471293	Zygomycota	<i>Absidia</i>	AY944874	96	<i>Ocotea sp.</i>
UCUE_Pc_M_	24MF2	MF471269	Ascomycota	Unknown fungi	KU978069.1	94	<i>Ocotea sp.</i>
UCUE_Pc_M_	25MF1	MF471301	Basidiomycota	<i>Coprinellus</i>	KT804053.1	96	Sarar - <i>Weinmannia fagaroides</i>
UCUE_Pc_M_	26MF1	MF471281	Ascomycota	<i>Hypocrea</i>	EF488156.1	99	Phorophytes in decomposition
UCUE_Pc_M_	27MFA	MF471259	Ascomycota	<i>Fusarium</i>	KU377445.1	99	Phorophytes in decomposition
UCUE_Pc_M_	27MF	MF471277	Basidiomycota	<i>Coprinellus</i>	KU761146.1	98	Phorophytes in decomposition
UCUE_Pc_M_	27MF3	MF471264	Ascomycota	Unknown fungi	FJ449935	92	Phorophytes in decomposition
UCUE_Pc_M_	28MFN1	MF471292	Ascomycota	<i>Trichoderma</i>	HM037962.1	99	Phorophytes in decomposition
UCUE_Pc_M_	29MF2.8	MF471274	Ascomycota	<i>Fusarium</i>	KU978069.1	99	Arrayán - <i>Myrcianthes rhopaloides</i>
UCUE_Pc_M_	29MF2.3.1	MF471267	Ascomycota	<i>Cercosporidium</i>	EU543257	99	Arrayán - <i>Myrcianthes rhopaloides</i>
UCUE_Pc_M_	29MF4	MF471286	Ascomycota	<i>Cylindrocladium</i>	KR780039.1	98	Arrayán - <i>Myrcianthes rhopaloides</i>
UCUE_Pc_M_	29MF9	MF471285	Ascomycota	<i>Fusarium</i>	FJ545374.1	98	Arrayán - <i>Myrcianthes rhopaloides</i>
UCUE_Pc_M_	29MF2.7	MF471271	Ascomycota	Sordariomycetes	FJ449913	98	Arrayán - <i>Myrcianthes rhopaloides</i>
UCUE_Pc_M_	29MF2.2	MF471235	Basidiomycota	<i>Psilocybe</i>	AJ519795.1	98	Arrayán - <i>Myrcianthes rhopaloides</i>
UCUE_Pc_M_	29MF2.5.1	MF471306	Ascomycota	<i>Diaporthe</i>	EU272520	97	Arrayán - <i>Myrcianthes rhopaloides</i>
UCUE_Pc_M_	30MR6	MF471307	Ascomycota	<i>Fusarium</i>	GQ229075	97	Rock
UCUE_Pc_M_	30MR2.2	MF471290	Ascomycota	Sordariomycetes	JQ761706	95	Rock
UCUE_Pc_M_	31MF1	MF471262	Ascomycota	Endophyte	AY561198.1	95	Arrayán - <i>Myrcianthes rhopaloides</i>
UCUE_Pc_M_	31MF2.2	MF471288	Ascomycota	Unknown fungi	KX650836.1	81	Arrayán - <i>Myrcianthes rhopaloides</i>
UCUE_Pc_M_	32MF5	MF471264	Ascomycota	Nectriaceae	KU978069.1	99	Arrayán - <i>Myrcianthes rhopaloides</i>
UCUE_Pc_M_	32MF4	MF471256	Ascomycota	<i>Fusarium</i>	AY745988	99	Arrayán - <i>Myrcianthes rhopaloides</i>

UCUE_Pc_M_	32MF6	MF471280	Basidiomycota	<i>Coprinellus</i>	FJ185160.1	97	Arrayán - <i>Myrcianthes rhopaloides</i>
UCUE_Pc_M_	32MF2.1	MF471308	Ascomycota	Endophyte	HQ889707	96	Arrayán - <i>Myrcianthes rhopaloides</i>
UCUE_Pc_M_	32MF3	MF471239	Basidiomycota	<i>Coprinellus</i>	AB176569.1	91	Arrayán - <i>Myrcianthes rhopaloides</i>
UCUE_Pc_M_	33MF2.3	MF471297	Ascomycota	<i>Hymenoscyphus</i>	GU479911.1	99	Arrayán - <i>Myrcianthes rhopaloides</i>
UCUE_Pc_M_	33MF2.1	MF471283	Basidiomycota	<i>Trametes</i>	KX056103.1	99	Arrayán - <i>Myrcianthes rhopaloides</i>
UCUE_Pc_M_	33MF2.4	MF471275	Ascomycota	Nectriaceae	KU978069.1	99	Arrayán - <i>Myrcianthes rhopaloides</i>
UCUE_Pc_M_	33MF2.2	MF471309	Basidiomycota	<i>Gelatoporia</i>	FN907911	97	Arrayán - <i>Myrcianthes rhopaloides</i>
UCUE_Pc_M_	35MF4	MF471258	Ascomycota	<i>Fusarium</i>	AY745988	99	Arrayán - <i>Myrcianthes rhopaloides</i>
UCUE_Pc_M_	35MF1	MF471257	Ascomycota	<i>Fusarium</i>	AY745988	99	Arrayán - <i>Myrcianthes rhopaloides</i>