

## SUPPLEMENTARY MATERIALS

**Table S1.** List of non-native plant species that have been reported as cultivated, naturalized, and invasive within El Yunque National Forest, Puerto Rico. Planted/Cultivated: non-native species deliberately planted in the wild or in human-made habitats. Naturalized: non-native plants that sustain self-replacing populations without direct intervention by people. Invasive: naturalized plants producing reproductive offspring and actively spreading.

Genus	Species <sup>1</sup>	Authority	Family	Life-form <sup>2</sup>	Status <sup>3</sup>	Invasive in Puerto Rico <sup>4</sup>	Invasive in EYNF
Adenanthera	pavonina	L.	Fabaceae	tree	naturalized	yes	
Albizia	lebbeck	(L.) Benth.	Fabaceae	tree	naturalized	yes	
Allamanda	cathartica	L.	Apocynaceae	vine	naturalized	yes	
Alocasia	macrorrhizos	(L.) G. Don	Araceae	herb	naturalized	yes	
Alocasia	plumbea	Van Houtte	Araceae	herb	naturalized	yes	
Alpinia	purpurata	(Vieill.) K. Schum.	Zingiberaceae	herb	naturalized	yes	
Alpinia	zerumbet	(Pers.) B.L. Burtt & R.M. Sm.	Zingiberaceae	herb	naturalized	yes	
Alternanthera	philoxeroides	(Mart.) Griseb.	Amaranthaceae	herb	naturalized	yes	
Anthurium	andraeanum	Linden	Araceae	herb	Planted/cultivated		
Ardisia	elliptica	Thunb.	Primulaceae	shrub	naturalized	yes	yes
Artocarpus	altilis	(Parkinson) Fosberg	Moraceae	tree	naturalized	yes	
Arundina	graminifolia	(D. Don) Hochr.	Orchidaceae	herb	naturalized		
Bambusa	tuldoides	Munro	Poaceae	grass	Planted/cultivated		yes
Bambusa	vulgaris	Schrad. ex H.L. Wendl.	Poaceae	grass	naturalized	yes	yes
Bauhinia	variegata	L.	Fabaceae	tree	naturalized		
Begonia	hirtella	Link	Begoniaceae	herb	naturalized		
Begonia	nelumbiifolia	Schltld. & Cham.	Begoniaceae	herb	naturalized		

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Bixa	orellana	L.	Bixaceae	tree	naturalized		
Cajanus	cajan	(L.) Huth	Fabaceae	shrub	naturalized		
Caladium	bicolor	Vent.	Araceae	herb	naturalized		
Calathea	lutea	(Aubl.) Schult.	Marantaceae	herb	naturalized		yes
Calathea	zebrina	(Sims) Lindl.	Marantaceae	herb	Planted/cultivated		
Calotropis	procera	(Aiton) W.T. Aiton	Apocynaceae	shrub	naturalized	yes	
Castilla	elastica	Cerv.	Moraceae	tree	naturalized	yes	
Casuarina	equisetifolia	L.	Casuarinaceae	tree	naturalized	yes	
Celosia	argentea	L.	Amaranthaceae	herb	naturalized		
Cenchrus	clandestinus	(Hochst. ex Chiov.) Morrone	Poaceae	grass	naturalized		
Cenchrus	purpureus	(Schumach.) Morrone	Poaceae	grass	naturalized	yes	yes
Chloris	barbata	Sw.	Poaceae	grass	naturalized		
Citrus	x paradisi	Macfad.	Rutaceae	tree	Planted/cultivated		
Citrus	limon	(L.) Osbeck i	Rutaceae	tree	Planted/cultivated		
Citrus	maxima	(Burm.) Merr.	Rutaceae	tree	Planted/cultivated		
Citrus	x aurantium	L.	Rutaceae	tree	Planted/cultivated		
Clerodendrum	chinense	(Osbeck) Mabb.	Lamiaceae	shrub	naturalized	yes	
Clerodendrum	quadriloculare	(Blanco) Merr.	Lamiaceae	shrub	naturalized	yes	
Cocos	nucifeta	L.	Arecaceae	tree	naturalized	yes	
Codiaeum	variegatum	(L.) Rumph. ex A. Juss.	Euphorbiaceae	shrub	Planted/cultivated	yes	
Coffea	arabica	L.	Rubiaceae	shrub	Planted/cultivated		
Coix	lacryma-jobi	L.	Poaceae	grass	naturalized	yes	yes
Colocasia	esculenta	(L.) Schott	Araceae	herb	naturalized	yes	
Commelina	benghalensis	L.	Commelinaceae	herb	naturalized		

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Cordia	obliqua	Willd.	Boraginaceae	tree	naturalized	yes	
Crotalaria	pallida	(G. Don) Polhill	Fabaceae	herb	naturalized		
Cunninghamia	lanceolata	(Lamb.) Hook.	Cupressaceae	tree	Planted/cultivated		
Curcuma	longa	L.	Zingiberaceae	herb	Planted/cultivated		
Cyanthillium	cinereum	(L.) H. Rob.	Asteraceae	herb	naturalized	yes	
Cyperus	difformis	L.	Cyperaceae	herb	naturalized	yes	
Cyperus	involucratus	Rottb.	Cyperaceae	herb	naturalized		
Cyperus	iria	L.	Cyperaceae	herb	naturalized		
Delonix	regia	(Bojer) Raf.	Fabaceae	tree	naturalized	yes	
Dendrocalamus	strictus	(Roxb.) Nees	Poaceae	grass	naturalized		
Dichanthium	annulatum	(Forssk.) Stapf	Poaceae	grass	naturalized	yes	
Dicranopteris	pectinata	(Willd.) Underw.	Gleicheniaceae	fern	Naturalized		
Digitaria	ciliaris	(Retz.) Koeler	Poaceae	grass	naturalized	yes	
Digitaria	velutina	(Forssk.) P.Beauv.	Poaceae	grass	naturalized		
Digitaria	setigera	Roth	Poaceae	grass	naturalized	yes	
Dioscorea	alata	L.	Dioscoreaceae	vine	naturalized	yes	yes
Dioscorea	bulbifera	L.	Dioscoreaceae	vine	naturalized	yes	
Dracaena	fragrans	(L.) Ker Gawl.	Asparagaceae	shrub	Planted/cultivated		
Eichhornia	azurea	(Sw.) Kunth	Pontederiaceae	aquatic-herb	naturalized		
Eichhornia	crassipes	(Mart.) Solms	Pontederiaceae	aquatic-herb	naturalized	yes	
Eleusine	indica	(L.) Gaertn.	Poaceae	grass	naturalized	yes	
Emilia	fosbergii	Nicolson	Asteraceae	herb	naturalized	yes	yes
Emilia	sonchifolia	(L.) DC.	Asteraceae	herb	naturalized	yes	yes
Epidendrum	radicans	Pav. ex Lindl.	Orchidaceae	herb	naturalized		

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Epipremnum	pinnatum	(L.) Engl.	Araceae	vine	naturalized	yes	yes
Eragrostis	ciliaris	(L.) R. Br.	Poaceae	grass	naturalized	yes	
Eragrostis	pilosa	(L.) P. Beauv.	Poaceae	grass	naturalized	yes	
Etlingera	elatior	(Jack) R.M. Sm.	Zingiberaceae	herb	naturalized	yes	
Eucalyptus	robusta	Sm.	Myrtaceae	tree	naturalized	yes	
Euphorbia	pulcherrima	Willd. ex Klotzsch	Euphorbiaceae	shrub	Planted/cultivated		
Ficus	pumila	L.	Moraceae	vine	naturalized		
Fimbristylis	quinquangularis	(Vahl) Kunth	Cyperaceae	herb	naturalized		
Galinsoga	quadriradiata	Ruiz & Pav.	Asteraceae	herb	naturalized	yes	
Graptophyllum	pictum	(L.) Griff.	Acanthaceae	shrub	naturalized		
Hedychium	coronarium	J. König	Zingiberaceae	herb	naturalized	yes	yes
Hedychium	flavum	Roxb.	Zingiberaceae	herb	naturalized		
Heliconia	psittacorum	L.f.	Heliconiaceae	herb	naturalized		
Heterotis	rotundifolia	(Sm.) Jacq.-Fél.	Melastomataceae	herb	naturalized	yes	
Hibiscus	rosa-sinensis	L.	Malvaceae	shrub	naturalized		
Hygrophila	polysperma	(Roxb.) T.Anderson	Acanthaceae	herb	naturalized		
Hymenocallis	latifolia	(Mill.) M. Roem.	Amaryllidaceae	herb	naturalized		
Impatiens	balsamina	L.	Balsaminaceae	herb	naturalized	yes	
Impatiens	walleriana	Hook. f.	Balsaminaceae	herb	naturalized		yes
Ipomoea	aquatica	Forssk.	Convolvulaceae	vine	naturalized		yes
Ipomoea	batatas	(L.) Lam.	Convolvulaceae	vine	naturalized		yes
Ipomoea	carnea	Jacq.	Convolvulaceae	shrub	naturalized		yes
Ipomoea	nil	(L.) Roth	Convolvulaceae	vine	naturalized		yes
Ipomoea	ochracea	(Lindl.) G. Don	Convolvulaceae	vine	naturalized	yes	yes
Ipomoea	purpurea	(L.) Roth	Convolvulaceae	vine	naturalized		yes

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Ipomoea	quamoclit	L.	Convolvulaceae	vine	naturalized		yes
Ipomoea	tricolor	Cav.	Convolvulaceae	vine	naturalized		yes
Justicia	pectoralis	Jacq.	Acanthaceae	herb	naturalized		
Kalanchoe	daigremontiana	Raym.-Hamet & Perrier	Crassulaceae	succulent	naturalized	yes	
Lablab	purpureus	L.(Sweet)	Fabaceae	vine	naturalized		
Lagerstroemia	indica	L.	Lythraceae	tree	naturalized	yes	
Leucaena	leucocephala	(Lam.) De Wit	Fabaceae	tree	naturalized	yes	
Lindernia	crustacea	(L.) F. Muell.	Lindeniaceae	herb	naturalized		
Lygodium	japonicum	(Thunb.) Sw.	Lygodiaceae	fern	Naturalized		
Macrothelypteris	torresiana	(Gaudich.) Ching	Thelypteridaceae	fern	Naturalized		
Malvaviscus	penduliflorus	DC.	Malvaceae	shrub	naturalized		
Mangifera	indica	L.	Anacardiaceae	tree	naturalized	yes	
Megathyrsus	maximus	(Jacq.) B.K. Simon & S.W.L. Jacobs	Poaceae	grass	naturalized	yes	yes
Melaleuca	quinquenervia	(Cav.) S.T. Blake	Myrtaceae	tree	naturalized	yes	
Melinis	minutiflora	P. Beauv.	Poaceae	grass	naturalized	yes	yes
Melinis	repens	(Willd.) Zizka	Poaceae	grass	naturalized	yes	
Mentha	villosa	Huds.	Lamiaceae	herb	Planted/cultivated		
Merremia	tuberosa	(L.) Rendle	Convolvulaceae	vine	naturalized		
Mimosa	casta	L.	Fabaceae	vine	naturalized	yes	
Mimosa	pigra	L.	Fabaceae	shrub	naturalized	yes	yes
Morinda	citrifolia	L.	Rubiaceae	tree	naturalized		
Muntingia	calabura	L.	Muntingiaceae	tree	naturalized	yes	
Murdannia	nudiflora	(L.) Brenan	Commelinaceae	herb	naturalized		
Murraya	paniculata	(L.) Jacq.	Rutaceae	shrub	naturalized		

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Musa	x paradisiaca	L.	Musaceae	herb	Planted/cultivated		
Nelsonia	canescens	(Lam.) Spreng.	Acanthaceae	herb	naturalized	yes	
Nephrolepis	brownii	(Desv.) Hovenkamp & Miyam.	Polypodiaceae	fern	Naturalized		yes
Nephrolepis	falcata	(Cav.) C. Chr. (T. Moore) Proctor	Polypodiaceae	fern	Naturalized		
Nephrolepis	cordiflora	(L.) C. Presl	Polypodiaceae	fern	Naturalized		
Nicotiana	tabacum	L.	Solanaceae	herb	naturalized		
Odontonema	cuspidatum	(Nees) Kuntze	Acanthaceae	shrub	naturalized		
Oeceoclades	maculata	(Lindl.) Lind.	Orchidaceae	herb	naturalized	yes	yes
Oldenlandia	lancifolia	(Schumach.) DC.	Rubiaceae	herb	naturalized		
Oryza	sativa	L.	Poaceae	grass	Planted/cultivated		
Oxalis	corniculata	L.	Oxalidaceae	herb	naturalized		
Oxalis	debilis	(DC.) Lourteig	Oxalidaceae	herb	naturalized		
Paspalum	fasciculatum	Willd. ex Flüggé	Poaceae	grass	naturalized	yes	yes
Pentas	lanceolata	(Forssk.) Deflers	Rubiaceae	shrub	naturalized		
Philodendron	bipinnatifidum	Schott ex Endl.	Araceae	vine	naturalized		
Plumeria	rubra	L.	Apocynaceae	tree	Planted/cultivated		
Poa	annua	L.	Poaceae	grass	naturalized	yes	
Pueraria	phaseoloides	(Roxb.) Benth.	Fabaceae	vine	naturalized	yes	yes
Ricinus	communis	L.	Euphorbiaceae	shrub	naturalized	yes	
Rubus	rosifolius	Sm.	Rosaceae	shrub	naturalized	yes	yes
Sambucus	canadensis	L.	Caprifoliaceae	shrub	naturalized		
Sanchezia	speciosa	Leonard	Acanthaceae	shrub	naturalized		
Sansevieria	hyacinthoides	(L.) Druce	Asparagaceae	succulent	naturalized	yes	
Schefflera	actinophylla	(Endl.) Harms	Araliaceae	tree	naturalized		yes

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Sechium	edule	(Jacq.) Sw.	Cucurbitaceae	vine	naturalized	yes	
Selaginella	plana	(Desv.) Hieron.	Selaginellaceae	herb	naturalized		
Selaginella	willdenowii	(Desv. ex Poir.) Baker	Selaginellaceae	vine	naturalized	yes	yes
Senna	siamea	(Lam.) H.S. Irwin & Barneby	Fabaceae	tree	naturalized	yes	
Simarouba	amara	Aubl.	Simaroubaceae	tree	naturalized		
Spathodea	campanulata	P. Beauv.	Bignoniaceae	tree	naturalized	yes	yes
Spathoglottis	plicata	Blume	Orchidaceae	herb	naturalized	yes	yes
Sphagneticola	trilobata	(L.) Pruski	Asteraceae	herb	naturalized	yes	yes
Swietenia	macrophylla	King	Meliaceae	tree	naturalized		
Syngonium	podophyllum	Schott	Araceae	vine	naturalized	yes	yes
Syzygium	jambos	(L.) Alston	Myrtaceae	tree	naturalized	yes	yes
Talipariti	tiliaceum	(L.) Fryxell	Malvaceae	shrub	naturalized		yes
Tectona	grandis	L.f.	Lamiaceae	tree	naturalized		
Terminalia	catappa	L.	Combretaceae	tree	naturalized	yes	
Thelypteris	dentata	(Forssk.) E.P. St. John	Thelypteridaceae	fern	Naturalized		
Theobroma	cacao	L.	Malvaceae	tree	Planted/cultivated		
Thunbergia	alata	Bojer ex Sims	Acanthaceae	vine	naturalized	yes	yes
Thunbergia	fragrans	Roxb.	Acanthaceae	vine	naturalized	yes	yes
Tradescantia	spathacea	Sw.	Commelinaceae	herb	naturalized	yes	yes
Trimezia	steyermarkii	R.C. Foster	Iridaceae	herb	naturalized		
Triplaris	cumingiana	Fisch. & Mey. ex C. A. Mey.	Polygonaceae	tree	naturalized		
Urochloa	distachya	(L.) T.Q. Nguyen	Poaceae	grass	naturalized		
Urochloa	mutica	(Forssk.) T.Q. Nguyen	Poaceae	grass	naturalized	yes	

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Vigna	hosei	(Craib) Backer ex K. Heyne	Fabaceae	vine	naturalized	
Vigna	luteola	(Jacq.) Benth.	Fabaceae	vine	naturalized	
Vitex	parviflora	Juss.	Lamiaceae	tree	naturalized	
Xanthosoma	sagittifolium	(L.) Schott	Araceae	herb	naturalized	yes
Xanthosoma	violaceum	Schott	Araceae	herb	naturalized	
Youngia	japonica	(L.) DC.	Asteraceae	herb	naturalized	
Zingiber	spectabile	Griff.	Zingiberaceae	herb	naturalized	

<sup>1</sup>Acevedo-Rodriguez P, Strong MT. 2012. Catalogue of seed plants of the West Indies. Smithsonian Contributions to Botany, No. 98. Smithsonian Institution Scholarly Press, Washington DC.

<sup>2</sup>PLANTS Database (USDA-NRCS: <http://plants.usda.gov>)

<sup>3</sup>Richardson, D.M., Pyšek, P., Rejmánek, M., Barbour, M.G., Panetta, F.D. and West, C.J., 2000. Naturalization and invasion of alien plants: concepts and definitions. *Diversity and distributions*, 6(2): 93-107.

<sup>4</sup>References: Alien species listed as cultivated, naturalized and invasive in Puerto Rico:

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