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Appendix

Table A1.
Plants and organs of interest included in the starch reference collection

Family	Genus	species	Common name	Sampled section	Place of collection	Collectors name
Acanthaceae	<i>Ruellia</i>	<i>tuberosa</i> L.	Minnieroot	Tuberous roots	San Juan, Puerto Rico	Pagán-Jiménez
Alismataceae	<i>Echinodorus</i>	<i>berteri</i> Spreng. Fassett	Upright burhead	Rhizomes	San Juan, Puerto Rico	Pagán-Jiménez
Alismataceae	<i>Sagittaria</i>	<i>latifolia</i> Willd.	Broadleaf arrowhead	Rhizomes	Toa Baja, Puerto Rico	Pagán-Jiménez
Amaranthaceae	<i>Amaranthus</i>	<i>cruentus</i> L.	Amaranth	Seeds, C011	Native Seeds search, Tucson, Arizona	Ciofalo
Araceae	<i>Xanthosoma</i>	<i>undipes</i> K. Koch	Cocoyam	Corm	Aibonito, Puerto Rico	Pagán-Jiménez
Araceae	<i>Xanthosoma</i>	<i>sagittifolium</i> L. Schott.	Cocoyam	Corm	San Juan, Puerto Rico	Pagán-Jiménez
Araceae	<i>Xanthosoma</i>	<i>sagittifolium</i> L. Schott.	Cocoyam	Corm, briefly fermented	San Juan, Puerto Rico	Pagán-Jiménez
Arecaceae	<i>Acrocomia</i>	<i>media</i> O.F. Cook	Corozo palm	Mature stem, pith	Aibonito, Puerto Rico	Pagán-Jiménez
Arecaceae	<i>Acrocomia</i>	<i>media</i> O.F. Cook	Corozo palm	Young stem, pith	Aibonito, Puerto Rico	Pagán-Jiménez
Arecaceae	<i>Acrocomia</i>	<i>media</i> O.F. Cook	Corozo palm	Pith from newer, upper section of stem	Aibonito, Puerto Rico	Pagán-Jiménez
Arecaceae	<i>Acrocomia</i>	<i>media</i> O.F. Cook	Corozo Palm	Pulp from fresh mesocarp	Aibonito, Puerto Rico	Pagán-Jiménez
Arecaceae	<i>Acrocomia</i>	<i>media</i> O.F. Cook	Corozo Palm	Heart of palm	Aibonito, Puerto Rico	Pagán-Jiménez
Arecaceae	<i>Aiphanes</i>	<i>acanthophylla</i> Mart. Burret, Notizbl.	Coyor Palm	Pulp from white endosperm	San Juan, Puerto Rico	Pagán-Jiménez
Arecaceae	<i>Aiphanes</i>	<i>acanthophylla</i> Mart. Burret, Notizbl.	Coyor Palm	Pulp from fresh mesocarp	San Juan, Puerto Rico	Pagán-Jiménez
Arecaceae	<i>Elaeis</i>	<i>oleifera</i> Kunth Cortés	American oil palm	Pulp from endosperm	Aibonito, Puerto Rico	Pagán-Jiménez
Arecaceae	<i>Prestoea</i>	<i>acuminata</i> var. <i>montana</i> Graham	Sierra palm	Pulp from fresh mesocarp	Cayey, Puerto Rico	Pagán-Jiménez
Asparagaceae	<i>Agave</i>	<i>sisalana</i> Perrine	Sisal	Leaf section close to heart	Wild, Providenciales, Turks & Caicos Islands	Ciofalo
Basellaceae	<i>Anredera</i>	<i>vesicaria</i> Lam.	Texas madeiravine	Tuberous roots	Culebra, Puerto Rico	Pagán-Jiménez
Bixaceae	<i>Bixa</i>	<i>orellana</i> L.	Achiote/annatto	Seeds	Market, Tubac, Arizona	Ciofalo
Bixaceae	<i>Bixa</i>	<i>orellana</i> L.	Achiote/annatto	Seeds	San Juan, Puerto Rico	Pagán-Jiménez

Appendix

Family	Genus	species	Common name	Sampled section	Place of collection	Collectors name
Cactaceae	<i>Opuntia</i>	sp.	Prickly pear	Cladode	Wild, Providenciales, Turks & Caicos Islands	Ciofalo
Cannaceae	<i>Canna</i>	<i>glauca</i> L.	Maraca amarilla	Rhizomes	Vega Baja, Puerto Rico	Pagán-Jiménez
Cannaceae	<i>Canna</i>	<i>indica</i> L.	Achira	Green seeds	San Juan, Puerto Rico	Pagán-Jiménez
Cannaceae	<i>Canna</i>	<i>indica</i> L.	Achira	Dry seeds	San Juan, Puerto Rico	Pagán-Jiménez
Cannaceae	<i>Canna</i>	<i>jaegeriana</i> Urb.	Wild achira	Rhizomes	Adjuntas, Puerto Rico	Pagán-Jiménez
Convolvulaceae	<i>Ipomoea</i>	<i>batatas</i> L.	Orange Sweet potato	Tuber	San Juan, Puerto Rico	Pagán-Jiménez
Convolvulaceae	<i>Ipomoea</i>	<i>batatas</i> L.	White Sweet potato	Tuber	San Juan, Puerto Rico	Pagán-Jiménez
Convolvulaceae	<i>Operculina</i>	<i>turpethum</i> var. <i>ventricosa</i> Bertero Staples & D.F. Austin	St. Thomas lidpod	Seeds	Netherlands national herbarium, K.M.N°: 2083-224-1905, St. Eustatius	Ciofalo
Cyperaceae	<i>Cyperus</i>	<i>odoratus</i> L.	Fragrant flatsedge	Corm	Aibonito, Puerto Rico	Pagán-Jiménez
Dioscoreaceae	<i>Dioscorea</i>	<i>alata</i> L.	Water yam	Tuber	Lares, Puerto Rico	Pagán-Jiménez
Dioscoreaceae	<i>Dioscorea</i>	<i>altissima</i> Lam.	Dunguey	Tuber	Luquillo, Puerto Rico	Pagán-Jiménez
Dioscoreaceae	<i>Dioscorea</i>	<i>bulbifera</i> L.	Air potato	Tuber	Luquillo, Puerto Rico	Pagán-Jiménez
Dioscoreaceae	<i>Dioscorea</i>	<i>cayennensis</i> Lam.	Yellow yam	Tuber	Barranquitas, Puerto Rico	Pagán-Jiménez
Dioscoreaceae	<i>Dioscorea</i>	<i>pilosiuscula</i> Bertero ex Spreng.	Bulbous yam	Tuber	St. Thomas	Pagán-Jiménez
Dioscoreaceae	<i>Dioscorea</i>	<i>polygonoides</i> Humb. & Bonpl. ex Willd.	Lesser spearwort	Tuber	Luquillo, Puerto Rico	Pagán-Jiménez
Dioscoreaceae	<i>Dioscorea</i>	sp.	NA	Tuber	Patillas, Puerto Rico	Pagán-Jiménez
Dioscoreaceae	<i>Dioscorea</i>	<i>trifida</i> L.f.	Yam	Tuber	IGA supermarket, Providenciales, Turks & Caicos Islands, produced on a farm in northern Haiti	Ciofalo
Dioscoreaceae	<i>Dioscorea</i>	<i>trifida</i> L.f.	Yam	Tuber	San Juan, Puerto Rico	Pagán-Jiménez
Dioscoreaceae	<i>Rajania</i>	<i>cordata</i> L.	Himber	Tuber	Arecibo, Puerto Rico	Pagán-Jiménez
Euphorbiaceae	<i>Manihot</i>	<i>esculenta</i> Crantz	Manioc	Tuber	Street market in	Ciofalo

Family	Genus	species	Common name	Sampled section	Place of collection	Collectors name
Euphorbiaceae	<i>Manihot</i>	<i>esculenta</i> Crantz	Manioc	Tuber	Providenciales, Turks & Caicos Islands, produced on a farm in North Caicos	Pagán- Jiménez
Fabaceae	<i>Anadenanthe</i>	<i>peregrina</i> L. Spreng	Cojoba	Dry seed, slightly parched	San Juan, Puerto Rico	Pagán- Jiménez
Fabaceae	<i>Anadenanthe</i>	<i>peregrina</i> L. Spreng	Cojoba	Green seeds	San Juan, Puerto Rico	Pagán- Jiménez
Fabaceae	<i>Caesalpinia</i>	<i>bonduc</i> L. Roxb.	Gray nickerbean	Seeds	Anse a la gourde, Martinique	Ciofalo
Fabaceae	<i>Caesalpinia</i>	<i>bonduc</i> L. Roxb.	Gray nickerbean	Seeds	Culebra, Puerto Rico	Pagán- Jiménez
Fabaceae	<i>Canavalia</i>	<i>ensiformis</i> (L.) DC.	Jack bean	Seeds, PJ001	Native Seeds search, Tucson, Arizona	Ciofalo
Fabaceae	<i>Canavalia</i>	<i>ensiformis</i> (L.) DC.	Jack bean	Seed	Aibonito, Puerto Rico	Pagán- Jiménez
Fabaceae	<i>Canavalia</i>	<i>gladiata</i> Jacq. DC.	Sword jackbean	Seeds	San Juan, Puerto Rico	Pagán- Jiménez
Fabaceae	<i>Canavalia</i>	<i>nitida</i> Cav. Piper	Bahama baybean	Dry seeds	Le Gosier, Guadeloupe	Ciofalo
Fabaceae	<i>Canavalia</i>	<i>rosea</i> Sw. DC.	Bay pod	Dry seeds	Anse a la gourde, Martinique	Ciofalo
Fabaceae	<i>Canavalia</i>	<i>rosea</i> Sw. DC.	Bay pod	Dry seeds	Loiza, Puerto Rico	Pagán- Jiménez
Fabaceae	<i>Ceratonia</i>	<i>siliqua</i> L.	Carob	Seeds	San Juan, Puerto Rico	Pagán- Jiménez
Fabaceae	<i>Galactia</i>	<i>striata</i> Jacq. Urb.	Florida hammock milkpea	Green seeds	Aibonito, Puerto Rico	Pagán- Jiménez
Fabaceae	<i>Galactia</i>	<i>striata</i> J acq. Urb.	Florida hammock milkpea	Dry seeds	Aibonito, Puerto Rico	Pagán- Jiménez
Fabaceae	<i>Lens</i>	<i>culinaris</i> Medik.	Lentil	Seeds	San Juan, Puerto Rico	Pagán- Jiménez
Fabaceae	<i>Macroptilium</i>	<i>lathyroides</i> L. Urb.	Wild bushbean	Green seeds	Aibonito, Puerto Rico	Pagán- Jiménez
Fabaceae	<i>Macroptilium</i>	<i>lathyroides</i> L. Urb.	Wild bushbean	Dry seeds	Aibonito, Puerto Rico	Pagán- Jiménez
Fabaceae	<i>Mucuna</i>	<i>sloanei</i> Fawc. & Rendle	Horse eye bean	Seeds	Culebra, Puerto Rico	Pagán- Jiménez
Fabaceae	<i>Phaseolus</i>	<i>lunatus</i> L.	Butter bean	Seeds, PL010	Native Seeds search, Tucson, Arizona	Ciofalo
Fabaceae	<i>Phaseolus</i>	<i>lunatus</i> L.	Butter bean	Seeds	San Juan, Puerto Rico	Pagán- Jiménez
Fabaceae	<i>Phaseolus</i>	sp.	Unidentifie d	Seeds	Aibonito, Puerto Rico	Pagán- Jiménez

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Family	Genus	species	Common name	Sampled section	Place of collection	Collectors name
Fabaceae	<i>Phaseolus</i>	<i>vulgaris</i> L.	Pinto bean	Seeds	San Juan, Puerto Rico	Pagán-Jiménez
Fabaceae	<i>Phaseolus</i>	<i>vulgaris</i> L.	Black bean	Seeds	San Juan, Puerto Rico	Pagán-Jiménez
Fabaceae	<i>Phaseolus</i>	<i>vulgaris</i> L.	Red bean	Seeds	Market, Providenciales, Turks & Caicos Islands, farmed in northern Haiti	Ciofalo
Fabaceae	<i>Phaseolus</i>	<i>vulgaris</i> L.	Red bean	Seeds	San Juan, Puerto Rico	Pagán-Jiménez
Fabaceae	<i>Pithecellobium</i>	<i>unguis-cati</i> (L.) Benth	Catclaw	Seeds	St. Maarten	Pagán-Jiménez
Heliconiaceae	<i>Heliconia</i>	<i>caribaea</i> Lam.	Wild plantain	Rhizomes	Luquillo, Puerto Rico	Pagán-Jiménez
Hypoxidaceae	<i>Hypoxis</i>	<i>decumbens</i> L.	Star-grass	Corm	Aibonito, Puerto Rico	Pagán-Jiménez
Hypoxidaceae	<i>Hypoxis</i>	<i>decumbens</i> L.	Star-grass	Corm	San Juan, Puerto Rico	Pagán-Jiménez
Marantaceae	<i>Calathea</i>	<i>lutea</i> Aubl. E.Mey. ex Schult.	Pampano	Rhizome	Luquillo, Puerto Rico	Pagán-Jiménez
Marantaceae	<i>Calathea</i>	<i>rufibarba</i> Fenzl.	Velvet calathea	Tuber	Aibonito, Puerto Rico	Pagán-Jiménez
Marantaceae	<i>Maranta</i>	<i>arundinace</i> L.	Arrowroot	Tuber	Lares, Puerto Rico	Pagán-Jiménez
Marantaceae	<i>Maranta</i>	<i>arundinace</i> L.	Arrowroot	Rhizome	Lares, Puerto Rico	Pagán-Jiménez
Marattiaceae	<i>Danaea</i>	<i>nodosa</i> L. Sm.	Nodeless danafern	Rhizomes	Luquillo, Puerto Rico	Pagán-Jiménez
Poaceae	<i>Zea</i>	<i>mays</i> L.	Maize/corn race: cateto	Kernel	CIMMYT/ El Batán, Texcoco, Mexico	Pagán-Jiménez
Poaceae	<i>Zea</i>	<i>mays</i> L.	Maize/corn race: chandele/Cuba	Kernel	CIMMYT/ El Batán, Texcoco, Mexico	Pagán-Jiménez
Poaceae	<i>Zea</i>	<i>mays</i> L.	Maize/corn race: chandele/Venezuela	Kernel	CIMMYT/ El Batán, Texcoco, Mexico	Pagán-Jiménez
Poaceae	<i>Zea</i>	<i>mays</i> L.	Maize/corn race: costeno	Kernel	CIMMYT/ El Batán, Texcoco, Mexico	Pagán-Jiménez
Poaceae	<i>Zea</i>	<i>mays</i> L.	Maize/corn race: cotretz/coastal tropical flint	Kernel	CIMMYT/ El Batán, Texcoco, Mexico	Pagán-Jiménez
Poaceae	<i>Zea</i>	<i>mays</i> L.	Maize/corn race: dzit bacal	Kernel	CIMMYT/ El Batán, Texcoco, Mexico	Pagán-Jiménez

Family	Genus	species	Common name	Sampled section	Place of collection	Collectors name
Poaceae	<i>Zea</i>	<i>mays</i> L.	Maize/corn race: dzitba	Kernel	CIMMYT/ El Batán, Texcoco, Mexico	Pagán-Jiménez
Poaceae	<i>Zea</i>	<i>mays</i> L.	Maize/corn race: early Caribbean	Kernel	CIMMYT/ El Batán, Texcoco, Mexico	Pagán-Jiménez
Poaceae	<i>Zea</i>	<i>mays</i> L.	Maize/corn race: Guarijio Maiz Amarillo	Kernel, ZT045	Native Seeds search, Tucson, Arizona	Ciofalo
Poaceae	<i>Zea</i>	<i>mays</i> L.	Maize/corn race: Haitian yellow	Kernel	CIMMYT/ El Batán, Texcoco, Mexico	Pagán-Jiménez
Poaceae	<i>Zea</i>	<i>mays</i> L.	Maize/corn race: Navajo Copper	Kernel, ZP098	Native Seeds search, Tucson, Arizona	Ciofalo
Poaceae	<i>Zea</i>	<i>mays</i> L.	Maize/corn race: negrito de Colombia	Kernel	CIMMYT/ El Batán, Texcoco, Mexico	Pagán-Jiménez
Poaceae	<i>Zea</i>	<i>mays</i> L.	Maize/corn race: parviglumis Mexican annual teosinte	Kernel, Z122	Native Seeds search, Tucson, Arizona	Ciofalo
Poaceae	<i>Zea</i>	<i>mays</i> L.	Maize/corn race: parviglumis	Kernel	CIMMYT/ El Batán, Texcoco, Mexico	Pagán-Jiménez
Poaceae	<i>Zea</i>	<i>mays</i> L.	Maize/corn race: pollo	Kernel	CIMMYT/ El Batán, Texcoco, Mexico	Pagán-Jiménez
Poaceae	<i>Zea</i>	<i>mays</i> L.	Maize/corn race: Tarahumara Maiz caliente	Kernel, ZT039	Native Seeds search, Tucson, Arizona	Ciofalo
Poaceae	<i>Zea</i>	<i>mays</i> L.	Maize/corn race: Tarahumara Serape	Kernel, ZT044	Native Seeds search, Tucson, Arizona	Ciofalo
Poaceae	<i>Zea</i>	<i>mays</i> L.	Maize/corn race: tuson	Kernel	CIMMYT/ El Batán, Texcoco, Mexico	Pagán-Jiménez
Poaceae	<i>Zea</i>	<i>mays</i> L.	Maize/corn race: tuxpeño	Kernel, ZD083	Native Seeds search, Tucson, Arizona	Ciofalo

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Family	Genus	species	Common name	Sampled section	Place of collection	Collectors name
Poaceae	<i>Zea</i>	<i>mays</i> L.	Maize/corn race: tuxpeño	Kernel	CIMMYT/ El Batán, Texcoco, Mexico	Pagán-Jiménez
Polypodiaceae	<i>Niphidium</i>	<i>crassifolium</i> L. Lellinger	Calaguala	Rhizomatous roots	Luquillo, Puerto Rico	Pagán-Jiménez
Smilacaceae	<i>Smilax</i>	<i>coriacea</i> Spreng.	Sarsaparilla	Rhizomes	Arecibo, Puerto Rico	Pagán-Jiménez
Solanaceae	<i>Capsicum</i>	<i>annum</i> L.	Chiltepin	Fruit	Market, Tubac, Arizona	Ciofalo
Solanaceae	<i>Solanum</i>	<i>tuberosum</i> L. Sp. Pl.	"Finger" potato	Tuber	San Juan, Puerto Rico	Pagán-Jiménez
Zamiaceae	<i>Zamia</i>	<i>floridana</i> A.DC.	Coontie/guáyiga	Fertilized seeds	San Juan, Puerto Rico	Pagán-Jiménez
Zamiaceae	<i>Zamia</i>	<i>integrifolia</i> L.f. ex Aiton	Coontie/guáyiga	Tuberous stem	Orlando, Florida	Pagán-Jiménez
Zamiaceae	<i>Zamia</i>	<i>lucayana</i> Britton	Coontie/guáyiga	Tuberous stem	Montgomery Botanical Center Coral Gables, Florida/ original plant from Long Island, The Bahamas	Ciofalo
Zamiaceae	<i>Zamia</i>	<i>pumila</i> L.	Coontie/guáyiga	Tuberous stem	San Juan, Puerto Rico	Pagán-Jiménez
Zingiberaceae	<i>Renealmia</i>	<i>alpinia</i> (Rottb.)	Garden ginger	Rhizomes	Toa Baja, Puerto Rico	Pagán-Jiménez

*The letters and numbers following the sampled section for samples from Native Seeds search can be explored for further information on their website <https://www.nativeseeds.org/>

