

Table S2. List of P6 loop sequences (=molecular operational taxonomic units: MOTUs) obtained for the tropical site. Only the 71 most common MOTUs corresponding to 80% of the total number of sequences (sample coverage) are presented. A total of 1 636 455 sequences passed all the filters (i.e. sequences properly assembled, with perfect match on tags and a maximum of two errors on primers, with a length superior to 10, without N, and with an occurrence superior to 10), corresponding to 4343 unique sequences. Out of these unique sequences, 216 MOTUs had a perfect identity with the local reference database, corresponding to a maximum of 310 species (the same MOTU may correspond to several species). A total of 34 families of angiosperms were identified.

Sequence count	P6 loop sequences of the chloroplast <i>trnL</i> UAA) intron	Accession number	Family / Subfamily	Species or species groups
190604	atcctgttttcgaaaataaacaagattcagaaagcgaaaataaaaaaag	FJ039317	Sapotaceae	<i>Chrysophyllum</i> spp <i>Diploon cuspidatum</i> <i>Manilkara</i> spp <i>Micropholis</i> spp <i>Pouteria</i> spp <i>Pradosia ptychandra</i>
156722	atcctattttccacaacaaggttcagaaaacgaaaacaag	EF456134	Apocynaceae / Apocynoideae	<i>Malouetia</i> spp <i>Odontadenia</i> spp
68109	atcctgttttcacaacaaggggttcagaaaacgaaaaaag	FJ039341	Apocynaceae / Rauvolfioideae	<i>Macoubea guianensis</i> <i>Aspidosperma marcgravianum</i>
52116	atccggttttctgaaaacaacaaggttcagaaggcgataataaaaaaag	FJ039339	Moraceae	<i>Helicostylis tomentosa</i> <i>Maquira</i> spp <i>Naucleopsis guianensis</i>
45664	atcctgttttcgaaaaccaagaagattcagaaagggagaataaaaaaag	FJ039347	Fabaceae / Mimosoideae	<i>Acacia</i> spp
42672	atcctgttttcgaaaaccaagaagattcagaaatggagaatcaataaaaaaag	GQ872290	Fabaceae / Mimosoideae	not identified
41709	atcctgttttacaagaacaacaaggttcagaaagcgaaaaaggg	FJ039160	Meliaceae	<i>Guarea guidonia</i> <i>Trichilia</i> spp
32835	atcccgttttcgaaaacaaaaacaagaagggttcggaagaaaaaag	not available	Rhizophoraceae	<i>Avicennia germinans</i>

31169	atccccgtttccgaaaccaaaagggttcagaaagtgaaaaaag	FJ039313	Rubiaceae	<i>Guettarda acreana</i>
28247	atcccggtttctgaaaacaaaacaagaagggttcagaaagcgataataaaaaag	FJ039298	Moraceae	<i>Bagassa guianensis</i>
27315	atcctgtttctgaaagcaaaaggttcagaaagtgaattaaaagggg	EU145568	Rubiaceae	not identified
25672	atcctttttctcaaaaacaagggttcagaaaaaag	-	Bignoniaceae	not identified
24699	atcctgtttccgaaaaccaagaagaggttcagaaaggagaataaaaaaag	FJ039347	Fabaceae / Mimosoideae	<i>Acacia</i> spp <i>Inga</i> spp <i>Zygia racemosa</i>
23712	atcctattgtccgaaaacaaagaagattcagaaagcaagaataacacaag	FJ705590	Celastraceae	not identified
21171	atcctgtttactaaaacaacaaaacaagggttcataaagacagaaaaataaag	FJ039171	Putranjivaceae	<i>Drypetes fanschawei</i>
19613	atcctgtttccgaaaacaaaaagagttcaataaaaag	FJ039124	Fabaceae / Caesalpinioideae	<i>Bauhinia guianensis</i>
18509	atcctgttttacgagaacaacaagggttcagaacacgagaaaaag	FJ039336	Burseraceae	<i>Protium</i> spp <i>Tetragastris</i> spp <i>Trattinnickia</i> spp
17482	atcctgtttccgaaaaccaagaagaggttcagaaaggagaataaaaaaag	HQ634601	Fabaceae / Mimosoideae	<i>Cassia spruceana</i> <i>Chamaecrista</i> spp <i>Inga</i> spp
17288	atcctgttttacgagaacaacaagggttcagaacgcgagaaaaag	HQ634602	Anacardiaceae	<i>Tapirira</i> spp
16724	atcctatttttacgaaaataaacaagggttcagcaagcgagaataaaaaaaggaa ag	FJ039149	Malvaceae	<i>Quararibea duckei</i>
16464	atcctgtttccgaaaacaaagggttcagaagcgaaaaagg	HQ634604	Loganiaceae	<i>Strychnos</i> spp
16350	atccagttttctgaaaacaacaagggttcagaagcgataataaaaaag	FJ039163	Moraceae	<i>Brosimum</i> spp
16345	atcctattttcaaaaacaagaaaaattcagaagctaaaataaaaaaag	-	Fabaceae / Faboideae	not identified
15643	atcctgtttccgaaaaccaagaagaggttcagaaaggagaataaaaaaag	FJ039133	Fabaceae / Mimosoideae	<i>Parkia ulei</i> <i>Pseudopiptadenia</i> <i>psilostachya</i> <i>Stryphnodendron</i> <i>polystachyum</i> <i>Tachigali</i> spp
15431	atcctgttttgaaaaag	not available	Araceae	<i>Anthurium eminens</i>
15128	atcctattttccgaaaacaagcgaaatcaaaag	HQ634599	Aquifoliaceae	<i>Ilex</i> spB1

15114	atcctgtttcagaaaacaagggttcagaaagcgagaacaaaaaaag	FJ039310	Lauraceae	<i>Aniba</i> spp <i>Endlicheria melinonii</i> <i>Licaria</i> spp <i>Ocotea</i> spp <i>Rhodostemonodaphne</i> spp
14470	atcctgtttcaaatcctgttctcaaaaaacaacaagggttcataagacagaaataaag g	HQ634606	Malpighiaceae	<i>Tetrapterys crispera</i>
14170	atcctgtttctgaaaacaaccaagggttcataaagacagaataaaaaaaag	AY794756	Euphorbiaceae / Acalyphoideae	<i>Plukenetia volubilis</i>
12831	atcctgtttccgaaaaccaagaaggttcagaaagggagaataaaaaaaag	NH200006	Fabaceae / Caesalpinioideae	<i>Vouacapoua americana</i>
11520	atcctgtttctgaaaacaacaagggttcagaaagtgataataaaaaaagg	AJ225799	Rhamnaceae	<i>Ziziphus</i> spp
11456	ggcacacagg	-	not identified	-
10758	atcctgtttcataaaaacaagggttcagaaggtgagaacaaaaaagg	FJ039272	Siparunaceae	<i>Siparuna cristata</i>
10596	atcctgtgttcagaaaacaagggttcagaaagcgagaatcaaaaaag	FJ039098	Annonaceae	<i>Duguetia</i> spp <i>Fusaea longifolia</i>
10109	atcctattttccgaagacaagaaggttcagaaagcgagaataaaaaaaag	EU717354	Fabaceae / Papilionoideae	not identified
9859	atcctgtttccgaaaaccaagaaggttagaaagggagaataaaaaaaag	FJ039233	Fabaceae / Mimosoideae	<i>Parkia</i> spp <i>Pseudopiptadenia suaveolens</i>
9321	atcctgtttccgaaaaccaagaaggttcagaaagggagaataaaataaaaaaaag	FJ039252	Fabaceae / Mimosoideae	<i>Inga</i> spp
9120	atcctgtttccaaaaccaagaaggttcagaaagggagaataaaaaaaag	FJ009877	Fabaceae / Caesalpinioideae	<i>Senna</i> spp
8626	atcctgtttttgtcgaaaaaaaaaatgattatacataaagacagaataaaaaaaag	-	not identified	not identified
8194	ggcacacagg	-	not identified	not identified
7745	atcctgtttccacaaacaagggttcagaaaacgaaaaaag	FJ039100	Apocynaceae / Rauvolfioideae	<i>Ambelania acida</i>
7738	atccggttttatgaaaacaacaagggttcagaaagcgataataaaaaaggaaag	FJ039334	Cecropiaceae	<i>Pourouma</i> spp
7211	atcctgtttccgaaagcaaaagaacgttaagaaagtgagaataaaaaaaag	EU736018	Fabaceae / Papilionoideae	not identified
6944	atcctgttttcgaaaacaacaagggttcgtaaagacagaatcagaatacaaaaaaaa ag	AY756897	Salicaceae	<i>Casearia decandra</i> <i>Laetia procera</i>

6927	atccttgtttgagaaaaag	HQ634607 AM932331	Araceae	<i>Dieffenbachia humilis</i> <i>Philodendron ecordatum</i> <i>Philodendron deltoideum</i>
6031	atccggttttctgaaaacaaaaaggattcagaaagcgataataaaaaagaatcg	AY488672	Ulmaceae	not identified
5901	atctcgttgaagaattctaaaaagatattcgaatagcga	-	not identified	
5859	atcctgtttccacaacaaagggttcataaacgaaaaag	HQ634605	Apocynaceae / Rauvolfioideae	<i>Bonafousia undulata</i>
5774	atcctgtttatgaaaacaaaataatggtttagaagcgagaagaaaaag	FJ039217	Vochysiaceae	<i>Qualea rosea</i> <i>Ruizterania albiflora</i>
5619	atcctgtttccgaaaacaagaaggttcagaaagcgagaataaaaaag	FJ039315	Fabaceae / Papilionoideae	<i>Dussia discolor</i> <i>Swartzia</i> spp
5486	ctcctgcttccaaaaggagaataaaaaag	AJ312251	Polygonaceae	not identified
5480	atcctgttttcacaacaaagggttcagaaacgaaaacaag	EF456161	Apocynaceae / Rauvolfioideae	not identified
5261	atcctttttctcaaaacaaagggttcagaaaaggaaaaag	FJ870010	Bignoniaceae	<i>Tanaecium nocturnum</i>
5188	atcctgtttccgaaacaaagggttcagaaagtgaaaaag	FJ039174	Rubiaceae	<i>Chimarrhis turbinata</i>
5141	atcctgtttcaaaaacaaacaaagggttcataaagacagaataaagg	AF350985	Malpighiaceae	<i>Heteropterys leona</i> <i>Mezia includens</i> <i>Stigmaphyllon</i> spp
4991	atcttattttcaagaatta	-	not identified	not identified
4644	atcctgtttccgaaaacaagaagggttcagaaagcgaaaagg	FJ039104	Boraginaceae	<i>Cordia</i> spp
4405	atcccgtttatgaaaacaacagacaggggttcataaagtgagaaggg	EU721267	Sapindaceae	<i>Paullinia pinnata</i>
4291	atcctgttttcgaaaacaacaaaggttcataaagcgaaaataaaaaag	FJ039139	Lecythidaceae	<i>Eschweilera</i> spp <i>Lecythidaceae</i> spB1 <i>Lecythis</i> spp
4153	atcccgtttatgaaaacaacaaacaggggttcagaaagtgagaaagg	FJ039343	Sapindaceae	<i>Melicoccus pedicellaris</i> <i>Talisia</i> spp
4135	atcctgtttccgaaaactaagaaggttcagaaagggagaataaaaaag	AY899699	Fabaceae / Caesalpinioideae	<i>Recordoxylon speciosum</i>
4094	atcctgctttctcaaaacaaagggttcagaaacgaacaaaaag	FJ870052	Verbenaceae	<i>Petrea volubilis</i>
4077	atcctgttttcgaaaataacaaagattcagaaagcgaaaataaaaaag	FJ039210	Sapotaceae	<i>Pradosia ptychandra</i>
3994	atcttattttgagaaaacaagggtttataaaactagaataaaaaag	HQ634603	Arecaceae	<i>Astrocaryum</i> spp <i>Bactris</i> spp <i>Euterpe oleracea</i> <i>Jessenia bataua</i> <i>Oenocarpus bacaba</i>

3881	atcctgtttccgaaaaccaagaagagttcagaaagggagaaaaaaaag	HQ634601	Fabaceae / Mimosoideae	<i>Abarema jupunba</i>
3659	atcctgtttccgaaaaccaagaagagttcagaaagggagaataaaaaaaaag	FJ039128	Fabaceae / Mimosoideae	<i>Inga</i> spp <i>Zygia racemosa</i>
3598	atcctgtttccgaaaacaaaggttcgtaaagatagaataaaaaag	AY794658	Euphorbiaceae	not identified
3405	atcctgtttctgaaaacaagggttcagaaagcgagaatcaaaaaag	FJ039168	Myristicaceae	<i>Iryanthera</i> spp <i>Virola michelii</i>
3246	atctcattcattcattcgaggttcgaatgacgaagcaa	-	not identified-	-
3189	atctcgtcccatctcgtggaatattgatcggatcggtaaagcga	AY344777	Pteridaceae	not identified
3159	ctcctgctttccaaaagggagaataaataaag	AJ312251	Polygonaceae	<i>Coccoloba mollis</i>