## **ERRATUM**

## Erratum to: Foliar $\delta^{13}C$ values, photosynthetic pathway, and functional type for 238 common species on farm land and disturbed forest in Laos

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Supplementary Table 1S (published only online) was missing:

Table 1S. Foliar  $\delta^{13}$ C, photosynthetic pathway and growth form of common species occurring in disturbed forest and fields, Houay Pano, Laos. [R] indicates species mostly regenerating in the study area by resprouting from stumps and rootstocks, [s] indicates weeds and species of disturbed environments mostly regenerating from seed.

Family	Species	δ <sup>13</sup> C [‰]	Growth form, strategy
Dicotyledonae, C <sub>3</sub> pho	tosynthetic pathway		
ACANTHACEAE	Thunbergia grandiflora (Roxb. ex Rottl.) Roxb.	. –29.9	perennial vine [ s ]
ANACARDIACEAE	Spondias pinnata (L. f.) Kurz	-30.3	tree [ R ]
ANNONACEAE	Anomianthus dulcis (Dunal) J.Sincl.	-30.8	woody climber [ R ]
	Cyathostemma sp 1	-33.8	woody climber [ R ]
APOCYNACEAE	Amalocalyx microlobus Pierre ex Spire	-29.7	woody climber [ R ]
	Holarrhena pubescens Wall. ex G.Don	-29.6	tree [ R ]
	Ichnocarpus frutescens (L.) W.T.Aiton	-30.8	woody climber [ R ]
ARALIACEAE	Trevesia palmata (Roxb. ex Lindl.) Vis.	-32.0	treelet [ R ]
ARISTOLOCHIACEAE	Aristolochia tagala Cham.	-31.9	perennial vine [ R ]
ASCLEPIADACEAE	Zygostelma benthami Baill.	-28.9	perennial vine [ R ]
	indet. liana	-32.9	woody climber [ R ]
BIGNONIACEAE	Fernandoa adenophylla (Wall. ex G.Don)	-29.1	tree [ R ]
	Steenis		
	Markhamia stipulata (Wall.) Seem.	-28.3	tree [ R ]
	Oroxylum indicum (L.) Kurz	-29.0	tree [ R ]
	Stereospermum neuranthum Kurz	-30.6	tree [ R ]
BORAGINACEAE	Tournefortia montana Lour.	-33.0	climbing shrub [ s ]
BURSERACEAE	Canarium subulatum Guillaumin	-32.5	tree [ R ]
	Protium serratum (Wall. ex Colebr.) Engl.	-31.5	tree [ R ]
CAPPARACEAE	Stixis flavescens Pierre	-32.3	woody climber [ R ]
CELASTRACEAE	Celastrus paniculatus Willd.	-33.1	woody climber [ R ]
	Euonymus cochinchinensis Pierre	-30.8	woody climber [ R ]
	Reissantia indica (Willd.) N.Hallé	-30.4	woody climber [ R ]
COMBRETACEAE	Combretum decandrum Jacq.	-29.4	woody climber [ R ]
	Combretum quadrangulare Kurz	-30.2	woody climber [ R ]
	Combretum sp 1	-30.6	woody climber [ R ]
	Quisqualis indica L.	-27.1	woody climber [ R ]
COMPOSITAE	Ageratum conyzoides L.	-31.0	annual herb [ s ]
	Bidens pilosa L.	-31.0	annual herb [ s ]
	Blumea balsamifera (L.) DC.	-32.2	shrub or herb [ s ]
	Blumea lacera (Burm.f.) DC.	-32.4	annual herb [ s ]
	Chromolaena odorata (L.) R.M.King & H.Rob.		perennial scandant herb [ s ]
	Conyza sumatrensis (S.F.Blake) Pruski & G.Sancho	-31.0	annual herb [ s ]
	Crassocephalum crepidioides (Benth.) S.Moore -31.6		annual herb [s]
	Spilanthes paniculata Wall. ex DC.	-35.0	annual herb [s]
	Vernonia cinerea (L.) Less.	-32.8	annual herb [s]
CONNARCEAE	Connarus semidecandrus Jack	-33.1	woody climber [ R ]

CONVOLVULACEAE	Lepistemon binectariferum (Wall.) Kuntze	-29.5	perennial vine [s]
CUCURBITACEAE	Momordica charantia L.	-31.7	annual vine [s]
	Momordica subangulata Blume	-29.0	annual vine [s]
	Mukia maderaspatana (L.) M.Roem.	-29.9	annual vine [s]
EBENACEAE	Diospyros malabarica (Desr.) Kostel. var.	-31.0	tree [R]
	siamensis (Hochr.) Phengklai		[]
EUPHORBIACEAE	Antidesma acidum Retz.	-30.7	shrub or treelet [ R ]
	Antidesma sootepense Craib	-34.0	tree or treelet [ R ]
	Aporosa octandra (BuchHam. ex D.Don)	-30.1	shrub or tree [ R ]
	Vickery	30.1	sinub of tree [ K ]
	Baccaurea ramiflora Lour.	-29.0	tree [ R ]
	Breynia glauca Craib	-25.0 -35.2	shrub or treelet [ R ]
	Flueggea virosa (Roxb. ex Willd.) Royle	-33.2 -29.2	shrub [ R ]
	Phyllanthus urinaria L.	-29.2 -32.1	annual herb [s]
	indet. tree	-32.1 -32.8	tree [ R ]
	muet. tree	-32.6	uee [ K ]
Table 1S continues on the Table 1S continued	ne next page		
FLACOURTIACEAE	Elacourtia indica (Rurm f.) Marr	-31.1	tree [ D ]
HYPERICACEAE	Flacourtia indica (Burm.f.) Merr. Cratoxylum cochinchinense (Lour.) Blume	-31.1 -33.0	tree [ R ]
HIFERICACEAE			tree [ R ]
	Cratoxylum formosum (Jacq.) Benth. & Hook.f.	-33.3	tree [ R ]
LAMIACEAE	ex Dyer ssp. parviflorum (Kurz) Gog.	27.2	
LAMIACEAE	Gmelina arborea Roxb.	-27.3	tree [ R ]
LAURACEAE	Litsea glutinosa (Lour.) C.B.Rob.	-30.4	tree [ R ]
Y PR A CRAP	Phoebe lanceolata (Nees) Nees	-31.0	tree [ R ]
LEEACEAE	Leea indica (Burm. f.) Merr.	-30.2	perennial herb [ R ]
LEGUMINOSAE	Bauhinia bassacensis Gagnep.	-31.5	woody climber [ R ]
CAESALPINIOIDEAE	Bauhinia malabarica Roxb.	-28.8	tree [ R ]
	Bauhinia ornata var. kerrii (Gagnep.) K.Larsen & S.S.Larsen	-29.6	woody climber [ R ]
	Bauhinia viridescens Desv.	-30.0	shrub [ R ]
	Caesalpinia decapetala (Roth) Alston	-32.3	woody climber [ R ]
	Caesalpinia digyna Rottler	-34.3	woody climber [ R ]
	Caesalpinia enneaphylla Roxb.	-30.6	woody climber [ R ]
	Senna garrettiana (Craib) H.S.Irwin & Barneby		tree [ R ]
	Senna hirsuta (L.) H.S.Irwin & Barneby	-30.6	tree [ R ]
	Senna tora (L.) Roxb.	-33.5	annual herb [s]
LEGUMINOSAE	Acacia concinna (Willd.) DC.	-33.5 -28.5	shrub or climber [ R ]
MIMOSOIDEAE	Acacia megaladena Desv.	-28.3 -29.8	woody climber [ R ]
WIIWOSOIDEAL	Acacia pennata (L.) Willd.		
		-27.5 24.2	shrub or climber [s]
	Albizia chinensis (Osbeck) Merr.	-34.3	tree [ R ]
	Albizia odoratissima (L.f.) Benth.	-32.5	tree [ R ]
	Albizia procera (Roxb.) Benth.	-29.9	tree [ R ]
	Entada rheedii Spreng.	-30.3	woody climber [ R ]
	Mimosa diplotricha Sauvalle	-32.4	annual vine [s]
	Mimosa pudica L.	-29.4	perennial herb [ s ]
LEGUMINOSAE	Cajanus crassus (King) Maesen	-27.4	annual to perennial vine [s]
PAPILIONOIDEAE	Cajanus goensis Dalzell	-32.9	annual vine [ s ]
	Callerya atropurpurea (Wall.) Schot	-28.6	tree [ R ]
	Crotalaria bracteata DC.	-27.0	annual herb [ s ]
	Crotalaria dubia Graham	-29.9	annual herb [ s ]
	Crotalaria filiformis var. kerrii (Craib) Niyomdham	-29.7	annual herb [ s ]
	Crotalaria pallida Aiton	-29.5	annual herb [s]
	Crotalaria sessiliflora L.	-29.0	annual herb [s]
	Crotalaria verrucosa L.	-29.9	annual herb [s]
	Dalbergia cochinchinensis Pierre	-32.5	tree [R]
	Dalbergia foliacea Wall.	-31.4	tree [ R ]
	Dalbergia rimosa Roxb.	-29.8	woody climber [ R ]
	Dalbergia sp 1	-31.3	tree [ R ]
	Desmodium gangeticum (L.) DC.	-35.7	perennial undershrub [s]
	Desmodium triquetrum (L.) DC.	-31.6	undershrub [ R ]
	Diphyllarium mekongense Gagnep.	-31.0 -31.1	woody climber [ R ]
	Flemingia stricta Roxb.	-31.1 -30.5	undershrub [ R ]
	Indigofera tinctoria L.	-30.3 -32.0	pereninial herb [ s ]
	Millettia pachycarpa Benth.	-32.0 -28.2	woody climber [ R ]
	писти распусатра Вении.	20.2	ouy chimoor [ IC ]

	Mucuna pruriens (L.) DC.	-31.4	annual vine [ s ]
	Mucuna pruriens var. utilis (Wall. ex Wight)	-26.8	annual vine [ s ]
	Baker ex Burck		
	Pueraria lobata var. montana (Lour.) Maesen	-27.5	perennual vine [s]
	Pueraria phaseoloides (Roxb.) Benth.	-26.1	perennual vine [s]
	Pueraria stricta Kurz	-32.0	shrub [ R ]
	Pueraria sp 1	-28.9	perennual vine [s]
	Spatholobus pottingeri Prain	-33.1	woody climber [ R ]
	Uraria campanulata (Benth.) Gagnep.	-30.3	shrub [ R ]
LYTHIRACEAE	Uraria cordifolia Wall.	-28.0	shrub [ R ]
LYTHIKACEAE	Lagerstroemia speciosa (L.) Pers.	-27.9	tree [ R ]
Table 1C continues on th	ha want naaa		
Table 1S continues on the Table 1S continued	ie nexi puge		
MALVACEAE	Abelmoschus moschatus Medik.	-28.9	annual herb [s]
	Hibiscus surattensis L.	-29.9	annual herb [s]
	Thespesia lampas (Cav.) Dalzell	-27.4	treelet [s]
	Cyclea barbata Miers	-27.9	perennial vine [ R ]
	Stephania crebra Forman	-30.8	woody climber [ R ]
	Tiliacora triandra Diels	-27.3	woody climber [ R ]
MOLLUGINACEAE	Mollugo pentaphylla L.	-25.5	annual herb [s]
MORACEAE	Broussonetia papyrifera (L.) L'Hér. ex Vent.	-29.1	tree [s]
	Ficus heterophylla L.f.	-31.0	tree [R]
	Ficus hispida L.f.	-28.6	tree [ R ]
	Ficus semicordata BuchHam. ex Sm.	-31.4	tree [ R ]
MYRISTICACEAE	Horsfieldia amygdalina (Wall.) Warb.	-33.1	tree [ R ]
MYRSINACEAE	Ardisia polycephala Wall. & A.DC	-27.7	shrub [ R ]
	Ardisia sanguinolenta Blume	-32.1	shrub or small tree [R]
	Ardisia sp 1	-33.2	shrub [ R ]
	Ardisia wallichii A.DC.	-30.5	shrub [ R ]
	Embelia sessiliflora Kurz	-31.9	woody climber [ R ]
	Maesa montana A.DC.	-32.5	shrub [ R ]
OLEACEAE	Jasminum nervosum Lour.	-33.8	woody climber [ R ]
OXALIDACEAE	Biophytum sensitivum (L.) DC.	-31.2	annual herb [s]
DAGGIEL OD AGEAE	Oxalis corniculata L.	-32.3	annual herb [s]
PASSIFLORACEAE	Passiflora foetida L.	-30.7	annual vine [s]
PIPERACEAE PRIMULACEAE	Piper sylvaticum Roxb.	-30.6	perennial vine [ R ]
RHAMNACEAE	Lysimachia fortunei Maxim. Ventilago diffusa (G.Don) Exell	-32.6 -31.0	perennial herb [s]
KIIAWINACEAE	Ziziphus oenopolia (L.) Mill.	-31.0 -34.6	woody climber [ R ] shrub or climber [ R ]
RUBIACEAE	Catunaregam spinosa (Thunb.) Tirveng.	-34.0 -30.7	shrub or small tree [ R ]
ROBINCLIAL	Gardenia sootepensis Hutch.	-30.7 -31.0	tree [ R ]
	Hedyotis tenelliflora Blume var. kerrii (Craib)	-31.6	annual herb [s]
	Fuku.	31.0	amaar nero [ 5 ]
	Ixora javanica (Blume) DC.	-34.4	shrub [ R ]
	Ixora sp 1	-31.2	shrub [ R ]
	Knoxia sumatrensis (Retz.) DC.	-31.7	annual herb [ s ]
	Ophiorrhiza trichocarpos Blume	-36.1	annual herb [ s ]
	Paederia pilifera Hook.f.	-30.1	perennial vine [ s ]
RUTACEAE	Clausena excavata Burm.f.	-30.6	tree [ R ]
	Micromelum minutum Wight & Arn.	-28.4	tree [ R ]
	Murraya koenigii (L.) Spreng.	-35.3	tree [ R ]
CARRIDACEAE	Zanthoxylum sp 1	-30.6	woody climber [s]
SAPINPACEAE	Dimocarpus longan Lour. var. obtusus (Pierre)	-34.1	tree [ R ]
	Leenh.	20.0	.1 1. [ D ]
	Lepisanthes rubiginosa (Roxb.) Leenh.	-29.9 20.6	shrub [ R ]
SCROPHULACEAE	Paranephelium spirei Lecomte	-30.6	tree [ R ]
SIMAROUBACEAE	Torenia cordifolia Roxb.	−33.5 −31.7	annual herb [s]
SOLANACEAE	Harrisonia perforata (Blanco) Merr. Physalis angulata L.	-31.7 -29.6	tree [ R ] annual herb [ s ]
JOHN WICHTL	Solanum torvum Sw.	-29.0 -31.1	annual herb [s]
STERCULIACEAE	Eriolaena candollei Wall.	-31.1 -29.4	tree [ R ]
_ I DITC O DIN TOLINIL	Helicteres elongata Wall. ex Bojer	-29.4 $-28.8$	shrub [ R ]
	Pterospermum semisagittatum BuchHam.ex	-23.8 -27.8	tree [ R ]
	Roxb.		

Sterculia lanceolata Cav.

-28.8

tree [ R ]

SYMPLOCACEAE THYMELAECEAE TILIACEAE	Symplocos glomerata King ex C.B. Clarke Wikstroemia meyeniana Warb. Corchorus olitorius L. Grewia abutilifolia Vent. ex Juss. Grewia hirsuta Vahl	-32.7 -31.6 -28.2 -29.7 -30.7	shrub [ R ] shrub [ R ] annual herb [ s ] shrub [ R ] tree [ R ]
ULMACEAE	Grewia laevigata Vahl Trema orientalis (L.) Blume	-33.4 -30.3	shrub [ R ] small tree [ s ]
Table 1S continues on t Table 1S continued	he next page		
URTICACEAE	Distemon indicum Wedd.	-31.0	annual herb [s]
VERBENACEAE	Maoutia puya Wedd. Rotheca serrata (L.) Steane & Mabb.	-32.7 -29.6	perennial herb [ s ] woody climber [ R ]
VITACEAE	Cissus adnata Roxb.	-29.0 -27.8	perennial vine [ s ]
, , , , , , , , , , , , , , , , , , , ,	Cissus repens Lam.	-28.8	perennial vine [s]
Dicotyledonae, C4 pho		_	F[-]
AMARANTHACEAE	Amaranthus hybridus L.	-13.3	annual herb [ s ]
AWARANTHACLAL	Amaranthus spinosus L.	-13.3 -13.8	annual herb [s]
	Amaranthus viridis L.	-13.8	annual herb [s]
Monocotyledonae, C <sub>3</sub>	photosynthetic pathway	-	amaar nere [ o ]
ARACEAE		20.7	manumial hank [ a ]
AKACEAE	Amorphophallus paeoniifolius (Dennst.) Nicolson	-29.7	perennial herb [ s ]
ARECACEAE	Calamus viminalis Willd.	-29.1	rattan [ R ]
COMMELINACEAE	Amischotolype mollissima (Blume) Hassk.	-30.1	robust perennial herb [ R ]
	Commelina benghalensis L.	-29.3	annual herb [s]
	Cyanotis cristata (L.) D.Don	-29.0	perennial herb [s]
CYPERACEAE	Cyperus iria L.	-32.2	annual sedge [s]
	Cyperus laxus Lam.	-30.1	annual sedge [s]
	Cyperus diffusus Vahl	-33.1	annual sedge [s]
	Scleria terrestris (L.) Fassett	-29.2	climbing sedge [ R ]
DIOSCOREACEAE	Dioscorea alata L.	-31.3	annual vine [ s ]
	Dioscorea bulbifera L.	-28.3	perennial vine [ R ]
	Dioscorea glabra Roxb.	-30.9	perennial vine [ R ]
CD 13 MY 1 D	Dioscorea sp 1	-32.3	vine [ R ]
GRAMINAE	Bambusa bambos (L.) Voss	-30.1	robust bambou [ R ]
	Bambusa tulda Roxb.	-31.4	bambou [ R ]
	Cephalostachyum pergracile Munro Cyrtococcum accrescens (Trin.) Stapf	-28.6 -31.5	bambou [ R ] perennial grass [ s ]
	Ichnanthus vicinus (Bailey) Merr.	-31.3 -31.2	perennial grass [ R ]
	Oplismenus compositus (L.) P.Beauv.	-28.9	perennial grass [ s ]
	Panicum brevifolium L.	-32.1	perennial grass [ s ]
	Panicum notatum Retz.	-31.7	perennial grass [R]
	Panicum sarmentosum Roxb.	-31.9	perennial grass [s]
	Phyllostachys sp 2	-33.0	bambou [ R ]
	Thysanolaena latifolia (Roxb. ex Hornem.)	-28.9	perennial grass [ s ]
	Honda	20.6	[ - ]
SMILACACEAE	Graminae sp 1	-29.6 -32.4	grass [s]
ZINGIBERACEAE	Smilax ovalifolia Roxb. ex D.Don Costus speciosus (J.Koenig) Sm.	-32.4 -29.3	perennial vine [ R ] perennial vine [ R ]
	photosynthetic pathway	-29.3	perennar vine [ K ]
-			
CYPERACEAE	Cyperus compressus L.	-11.0	annual sedge [ s ]
	Cyperus cyperoides (L.) Kuntze	-10.9	perennial sedge [ s ]
	Cyperus imbricatus Retz.	-12.8	perennial sedge [ s ]
	Cyperus rotundus L.	-11.8	perennial sedge [s]
	Cyperus sp 3 Fimbristylis quinquangularis (Vahl) Kunth	−12.2 −11.2	sedge [s] annual sedge [s]
	Kyllinga nemoralis (J.R.Forst. & G.Forst.)	-11.2 $-13.7$	perennial sedge [ s ]
	Dandy ex Hutch. & Dalziel	13.1	porominar sougo [ s ]
GRAMINAE	Cynodon dactylon (L.) Pers.	-15.2	perennial grass [ s ]
	Dichanthium annulatum (Forssk.) Stapf	-11.8	perennial grass [s]
	Digitaria radicosa (J.Presl) Miq.	-11.5	annual grass [s]
	Digitaria thyrsoidea Balansa	-12.8	perennial grass [s]
	Echinochloa colona (L.) Link	-11.0	annual grass [ s ]
	Echinochloa crus-galli (L.) P.Beauv.	-10.5	annual grass [ s ]

	Eleusine indica (L.) Gaertn. Imperata cylindrica (L.) Raeusch. Microstegium ciliatum (Trin.) A.Camus	-14.8 -14.0 -11.3	annual grass [ s ] perennial grass [ s ] perennial grass [ s ]	
Table 1S continues on the next page Table 1S continued				
Ptouidonhute C. whote	Panicum cambogiense Balansa Paspalum conjugatum P.J.Bergius Paspalum urvillei Steud. Pennisetum polystachion (L.) Schult. Saccharum spontaneum L. Setaria palmifolia (J.Koenig) Stapf Urochloa panicodes P.Beauv.	-10.8 -11.7 -12.5 -12.0 -11.7 -10.3 -11.9	annual grass [ s ] perennial grass [ s ] perennial grass [ s ] annual grass [ s ] perennial grass [ s ] perennial grass [ s ] annual grass [ s ]	
Pteridophyta, C <sub>3</sub> photo	osynthetic pathway			
DENNSTAEDTIACEAE DRYOPTERIDACEAE	Microlepia speluncae (L.) T.Moore Tectaria impressa (Fée) Holttum Tectaria sp 1	-28.0 -32.7 -31.4	perennial fern [ R ] perennial fern [ R ] fern [ R ]	
MARATTIACEAE PARKERIACEAE PTERIDACEAE	Angiopteris evecta (G.Forst.) Hoffm. Adiantum zollingeri Mett.ex Kuhn Pteris vittata L.	-28.1 -31.3 -33.2	robust erect fern [ R ] short erect fern [ R ]	
SCHIZAEACEAE	Lygodium flexuosum (L.) Sw. Lygodium polystachyum Wall. ex T. Moore	-33.2 -26.9 -37.7	perennial fern [ R ] climbing perennial fern [ s ] climbing perennial fern [ s ]	
SELAGINELLACEAE THELYPTERIDACEAE	Selaginella helferi Warb. Thelypteris ciliata (Wall. ex Benth.) Ching Cyclosorus subelatus (Baker) Ching	-31.0 -31.2 -32.2	climbing perennial fern [ s ] perennial fern [ R ] perennial fern [ R ]	
Dicotyledonae, cultivated, C <sub>3</sub> photosynthetic pathway				
EUPHORBIACEAE LEGUMINOSAE PAPILIONOIDEAE	Manihot esculenta Crantz Pachyrhizus erosus (L.) Urb. Stylosanthes guianensis (Aubl.) Sw. Cajanus cajan (L.) Millsp. Crotalaria juncea L.	-30.2 -30.6 -31.8 -30.2 -33.4	perennial herb annual vine shrub subshrub subshrub	
Monocotyledonae, cult	tivated, C3 photosynthetic pathway	-33.4	Subsiliub	
GRAMINAE	Oryza sativa L. tivated, C4 photosynthetic pathway	-31.1	annual grass	
GRAMINAE	Coix lacryma-jobi L. Pennisetum purpureum Schumach. Zea mays L.	-13.6 -12.2 -11.7	annual grass perennial grass annual grass	

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