Appendix 1: Liana species at BCNM. Updated species names in parentheses. Measurements not made for undetermined species.

Climbing Mechanism: TW=twining, TN=tendrilling, SC=scrambling, H=hooking
Leaf Organization: S=simple, C=compound
Leaf Margin: E=entire, S=serrate
Diaspore Type: Z=zoochore, T=pterochore, P=pogonochore, B=barochore, H=hydrochore
For measured variables, numerical values correspond with classes in Table 1, main body of paper

+= Present at Guanacaste
*= Ubiquitous (present in all stand ages)
↓= Restricted to young (≤40) stands
↑= Restricted to old (≥70) stands

Family	***Genus***	***Species***	***Climbing Mechanism***	***Leaf Org.***	***Leaf Margin***	***Petiole Length***	***Diaspore Type***	***Diaspore Size***	***Seed Size***	***Seeds per Fruit***
Apocynaceae	↓*Forsteronia*	*viridescens (=acouci)*	TW	S	E	0	P	4	2	4
	+↓*Prestonia*	*acutifolia (=quinquangularis)*	TW	S	E	0	P	4	1	4
	↓*Prestonia*	*obovata (=trifida)*	TW	S	E	1	P	5	4	4
Aristocholiaceae	↓*Aristocholia*	*chapmaniana (=tonduzii)*	TW	S	E	1	T	1	0	4
Bignoniaceae	+↑*Arrabidea*	*chica*	TN	C	E	2	T	2	2	4
	+*Arrabidea*	*patellifera*	TN	C	E	0	T	2	2	4
	+↓*Callichlamys*	*latifolia*	TN	C	E	4	T	6	4	4
	↓*Ceratophytum*	*tetragonolobum*	TN	C	E	4	T	4	1	4
	+*Cydista*	*aequinoctalis*	TN	C	E	1	T	5	2	4
	Paragonia	*pyramidata*	TN	C	E	1	T	5	3	4
	**Phryganocydia*	*corymbosum (=corymbosa)*	TN	C	E	1	T	4	2	4
	+↑*Pithecoctenium*	*crucigerum*	TN	C	E	3	T	6	1	4
	+**Pleonotoma*	*variabilis*	TN	C	E	1	T	4	2	4
	+*Xylophragma*	*seemannianum*	TN	C	E	3	T	2	3	2
	Unknown1		TN	C	E		T			
	Unknown2		TN	C	E		T			
	Unknown3		TN	C	E		T			
	Unknown4		TN	C	E		T			
	Unknown5		TN	C	E		T			
	Unknown6		TN	C	E		T			
	Unknown7		TN	C	E		T			
	Unknown8		TN	C	E		T			
	Unknown9		TN	C	E		T			
	Unknown10		TN	C	E		T			
Boraginaceae	↓*Tournefortia*	*cuspidata*	SC	S	E	0	S	0	0	1
Celastraceae	*Anthodon*	*panamense (=decussatum)*	TW	S	E	0	T	6	4	4
	↓*Cuervea*	*kappleriana*	TW	S	E	0	Z	4	4	3
	+**Hippocratea*	*volubilis*	TW	S	E	0	T	4	3	3
	↑*Hylenaea*	*praecelsa*	TW	S	E	0	H	4	4	3

Family	***Genus***	***Species***	***Climbing Mechanism***	***Leaf Org.***	***Leaf Margin***	***Petiole Length***	***Diaspore Type***	***Diaspore Size***	***Seed Size***	***Seeds per Fruit***
	Prionostema	*aspera*	TW	S	E	0	T	5	3	3
	↓*Salacia*	*sp.*	TW	S	E		Z			4
	Unknown1									
	Unknown2									
	Unknown3									
Combretaceae	*Combretum*	*decandrum*	TW	S	E	0	T	1	1	0
	Combretum	*laxum*	TW	S	E	0	T	1	2	0
Connaraceae	**Connarus*	*panamensis*	TW	C	E	2	Z	1	3	0
	Connarus	*turczaninowii*	TW	C	E	1	Z	1	3	0
Convolvulaceae	**Maripa*	*panamensis*	TW	S	E	0	Z	1	3	1
Dilleniaceae	**Davilla*	*nitida*	TW	S	E	0	Z	0	0	0
	**Doliocarpus*	*dentatus*	TW	S	S	0	Z	0	0	1
	**Doliocarpus*	*major*	TW	S	S	0	Z	0	0	1
	Doliocarpus	*multiflorus*	TW	S	S	0	Z	0	0	1
	**Doliocarpus*	*olivaceus*	TW	S	E	0	Z	1	2	1
	↑*Tetracera*	*portobollensis*	TW	S	S	0	Z	0	0	1
	Unknown									
Euphorbiaceae	↑*Omphalea*	*diandra*	TW	S	E	2	Z	6	4	1
Fabaceae	↓*Bauhinia*	*guianensis*	TN	S	E	2	B	1	2	1
	↓*Bauhinia*	*reflexa*	TN	S	E	2	B	6	2	2
	Bauhinia	*sp.*	TN	S	E		B			
	Clitoria	*javitensis*	TW	C	E	3	B	1	2	2
	+*Machaerium*	*kegelii*	H	C	E	4	T	6	1	0
	↓*Machaerium*	*milleflorum*	H	C	E	0	T	4	1	0
	Machaerium	*seemanii*	H	C	E	0	T	6	2	0
	Machaerium	*sp.1*	H	C	E		T			
	Machaerium	*sp.2*	H	C	E		T			
	Machaerium	*sp.3*	H	C	E		T			
	Machaerium	*sp.4*	H	C	E		T			
	Machaerium	*sp.5*	H	C	E		T			
Loganiaceae	↓*Strychnos*	*toxifera*	TN	S	E	0	S	5	4	3
Malpighiaceae	+*Banisteriopsis*	*cornifolia*	TW	S	E	0	T	2	1	1
	+↑*Heteropterys*	*laurifolia*	TW	S	E	0	T	2	1	1
	↑*Hiraea*	*grandifolia*	TW	S	E	0	T	5	0	1
	Hiraea	*quapara*	TW	S			T	1	0	1
		(=smilacina)			E	0				
	+**Hiraea*	*reclinata*	TW	S	E	0	T	2	0	1
	↓*Mascagnia*	*nervosa*	TW	S			T	2		1
		(=divaricata)			E	0			0	
	↓*Stigmaphyllon*	*lindenianum*	TW	S	E	2	T	3	0	1
Menispermaceae	**Abuta*	*racemosa*	TW	S	E	0	Z	1	2	1

Family	***Genus***	***Species***	***Climbing Mechanism***	***Leaf Org.***	***Leaf Margin***	***Petiole Length***	***Diaspore Type***	***Diaspore Size***	***Seed Size***	***Seeds per Fruit***
	↑*Odontocarya*	*tamoides*	TW	S	E	2	Z	1	2	0
Passifloraceae	↓*Passiflora*	*auriculata*	TN	S	E	0	Z	1	0	4
Piperaceae	↓*Piper*	*sp.*		S	E		Z			
Polygonaceae	**Coccoloba*	*parimensis*	TW	S	E	0	Z	0	1	0
Rubiaceae	↓*Uncaria*	*tomentosa*	H	S	E	0	T	0	0	4
Sapindaceae	↑*Paullinia*	*baileyi*	TN	C	S	2	Z	1	2	0
	**Paullinia*	*bracteosa*	TN	C	S	5	Z	2	3	0
	**Paullinia*	*fibrigera*	TN	C	E	3	Z	0	1	0
	↓*Paullinia*	*glomerulosa*	TN	C	S	2	Z	0	1	0
	↑*Paullinia*	*pterocarpa*	TN	C	S	4	Z	0	1	0
	Paullinia	*rugosa*	TN	C	S	4	Z	0	1	0
	Paullinia	*sp.*	TN	C			Z			
	↑*Paullinia*	*turbacensis*	TN	C	S	2	Z	0	1	1
	Serjania	*atrolineata*	TN	C	S	2	T	2	0	1
	↓*Serjania*	*cornigera*	TN	C	S	2	T	3	1	1
	↓*Serjania*	*decapleuria*	TN	C	S	2	T	2	1	1
	+**Serjania*	*mexicana*	TN	C	S	5	T	2	0	1
	↑*Thinouia*	*myriantha*	TN	C	S	2	T	5	1	1
Smilacaceae	↓*Smilax*	*sp.1*	TN	S	E		Z			0
	Smilax	*sp.2*	TN	S	E		Z			0
Verbebaceae	**Petrea*	*aspera (=volubilis)*	TW	S	E	0	T	2	0	0
Vitaceae	*Vitis*	*tiliifolia*	TN	S	S	3	Z	0	0	1