Table S1: List of retrieved sequences of *matK*

Name of the genus	Number of accepted species	Name of the species	Number of collected individual
Anisoptera	10	*A. costata*	3
		A. laevis	1
		A. megistocarpa	2
		A. marginata	1
Dryobalanops	7	*D. oblongifolia*	1
Parashorea	1	*P. chinensis*	2
Vateria	1	*V. copalifera*	1
Cotylelobium	5	*C. scabriusculum*	1
Hopea	4	*H. hiananensis*	1
Neobalanocarpus	1	*N. heimii*	1
Vateriopsis	1	*V. seychellarum*	1
Dipterocarpus	66	*D. intricatus*	7
		D. condorensis	6
		D. kerrii	1
		D. obtusifolia	4
		D. palembanicum	1
		D. retusus	2

		D. tuberculatus	5
		D. zeylanicus	1
		D. alatus	13
		D. baudii	2
		D. cornutus	2
		D. costatus	8
		D. dyeri	4
		D. glandulosus	1
		D. hispidus	1
		D. insignis	1
Shorea	3	*S. assamica*	2
Vatica	3	Not reported	Not reported
Pacaraimaea	1	Not reported	Not reported
Marquesia	2	Not reported	Not reported
Pentacme	1	Not reported	Not reported
Monotes	19	Not reported	Not reported
TOTAL=15	**125**	**28**	**76**

Table S2: List of retrieved sequences of *rbcL*

Name of the genus	Numbber of accepted species	Name of the species	Number of collected individual
Anisoptera	10	*A. costata*	3
		A. Laevis	2
		A. marginata	1
		A. megistocarpa	3
Parashorea	1	*P.chinensis*	1
Hopea	4	*H.hiananensis*	2
Dipterocarpus	66	*D.alata*	1
		D.costatus	4
		D.dyeri	1
		D.intricatus	5
		D.obtusifolius	1
		D.retusus	2
		D.temphe	1
		D.tuberculatus	1
Shorea	3	*S.robusta*	3
Vatica	3	*V.manchapoi*	2
Pacaraimaea	1	NO	NO

Marquesia	2	NO	NO
Pentacme	2	NO	NO
Monotes	19	NO	NO
Dryobalanops	7	NO	NO
Vateria	1	NO	NO
Cotylelobium	5	NO	NO
Neobalanocarpus	1	NO	NO
Vateriopsis	1	NO	NO
TOTAL=15	**125**	**16**	**33**

Table S3: Species, Mol. Wt. (Molecular Weight), Theo. PI (Theoretical Iso-electric point), Instability Index, GAVY (Grand average of hydropathicity) based on *matK* protein sequences.

Cluster	**Name of species**	**Nucleotide**	**Protein**	**Mol. Wt.**	**Theo. PI**	**Aliphatic Index**	**Instability Index**	**GRAVY**
I	*Dipterocarpus condorensis*	KC765152.1	AHJ37509.1	45153.4	9.57	98.99	42.04	-0.070
	DO	KC765151.1	AHJ37508.1	DO	DO	DO	DO	DO
	DO	KC765144.1	AHJ37501.1	DO	DO	DO	DO	DO
	DO	KC765142.1	AHJ37499.1	DO	DO	DO	DO	DO
	DO	KC765143.1	AHJ37500.1	45008.1	9.57	99.26	41.32	-0.062
	Dipterocarpus tuberculatus	KC765155.1	AHJ37512.1	44954.1	9.53	99.26	42.23	-0.065

	DO	KC848889.1	AGR66208.1	44404.1	9.53	95.04	43.61	-0.127
	DO	KC848887.1	AGR66206.1	DO	DO	DO	DO	DO
	Dipterocarpus obtusifolia	KC765153.1	AHJ37510.1	44954.1	9.54	99.26	42.23	-0.065
	DO	KC765154.1	AHJ37511.1	DO	9.54	DO	DO	DO
	Dipterocarpus intricatus	KC765148.1	AHJ37505.1	45633.0	9.56	97.96	42.57	-.068
	DO	KC765149.1	AHJ37506.1	DO	DO	DO	DO	DO
	Dipterocarpus costatus	KC708337.1	AGL34664.1	44383.5	9.53	97.70	42.75	-0.094
I	DO	KC708338.1	AGL34665.1	DO	DO	DO	OD	DO
	DO	KC708341.1	SGL34668.1	DO	DO	DO	DO	DO
	DO	KC708340.1	AGL34667.1	44342.4	9.49	97.70	44.24	-0.085
	DO	KC708339.1	AGL34666.1	44411.5	9.53	98.22	42.75	-0.087
	DO	AB021566.1	AGU01801.1	45153.4	9.57	98.99	42.06	-0.070
	Dipterocarpus alatus	KC568463.1	AGH62634.1	42603.3	9.52	96.33	44.49	-0.103
	DO	KC568465.1	AGH62636.1	DO	DO	DO	DO	DO
	DO	KC568466.1	AGH62637.1	DO	DO	DO	DO	DO
	DO	KC568467.1	AGH62638.1	DO	DO	DO	DO	DO
	DO	KC568469.1	AGH62640.1	DO	DO	DO	DO	DO
	DO	KC568470.1	AGH62641.1	DO	DO	DO	DO	DO
	DO	KC568471.1	AGH62642.1	DO	DO	DO	DO	DO
	DO	KC568473.1	AGH62644.1	DO	DO	DO	DO	DO

	DO	KC568464.1	AGH62635.1	42575.2	9.52	95.79	44.99	-0.110
	DO	KC568468.1	AGH62639.1	DO	DO	DO	DO	DO
	DO	KC568472.1	AGH62643.1	DO	DO	DO	DO	DO
I	*Dipterocarpus tuberculatus*	KC848888.1	AGR66207.1	44104.1	9.53	95.04	43.61	-0.12
	Dipterocarpus retusus	KF021568.1	AGU01803.1	44905.1	9.55	101.06	42.95	-0.072
	Dipterocarpus intricatus	AB924833.1	BAO71874.1	33345.0	9.8	98.84	38.05	-0.06
	Angioptera marginata	AJ581409.1	CAE46237.1	28163.1	6.83	107.82	34.80	0.186
II	*Dipterocarpus palembanicum*	AB295903.1	BAI99488.1	49765.7	9.54	98.13	40.42	0.33
	Dipterocarpus costatus	AB924903.1	BAO71944.1	32771.3	9.78	96.36	38.12	-0.09
	Dipterocarpus intricatus	AB924855.1	BAO71896.1	31434.7	9.74	97.06	39.73	-0.027
	Dipterocarpus dyeri	KC765147.1	AHJ37504.1	43548.4	9.45	96.08	43.80	-0.10
	DO	KC765145.1	AHJ37504.1	DO	DO	DO	DO	DO
	DO	KC765146.1	AHJ37503.1	DO	DO	DO	DO	DO
III	*Pashorea chinensis*	AY305717.1	AAQ77382.1	39910.6	9.62	104.96	41.83	0.036
	Dipterocarpus kerrii	AB006375.1	BAA74552.1	40057.6	9.58	100.62	41.34	0.006
	Dipterocrpus baudii	AB006376.1	BAA7553.1	DO	DO	DO	DO	DO
	Dryobalanops oblongifolia	AB006378.1	BAA7555.1	40093.8	9.65	104.6	42.18	0.043
	Anisoptera laevis	AB006370.1	BAA74547.1	39903.5	9.72	101.48	37.87	0.020
	Dipterocarpus intricatus	AB924744.1	BAO7786.1	31185.4	9.81	94.08	37.76	-0.09
	Dipterocapus obtusifolius	AB924839.1	BAO71880.1	31082.2	9.75	92.55	38.86	-0.105

IV	*Dipterocarpus cornutus*	KJ708905	AIK19423.1	24569.1	9.80	91.67	37.23	-0.006
	Dipterocarpus retusus	KJ611234.1	AIC32993.1	32539.0	9.63	101.72	39.58	-0.016
	Anisoptera costata	AB924760.1	BAO71802.1	31208.5	9.88	97.09	35.26	-0.108
	DO	AB924730.1	BAO71772.1	32293.9	9.91	99.26	36.56	-0.068
	Neobalanocarpus heimii	AB006383.1	BAA74560.1	46737.3	9.64	98.94	39.76	-0.061
	Anisoptera megistocarpa	AJ708823.1	AIK19341.1	24030.5	9.88	101.36	36.56	0.039
	DO	KJ778822.1	AIK19340.1	20692.4	9.97	94.56	40.59	-0.044
	Angioptera costata	JK708821.1	AIK19339.1	16329.3	9.38	93.03	40.47	0.073
	Dipterocarpus alatus	AB244964.1	BAO72005.1	33316.0	9.78	99.53	38.15	-0.049
	Dipterocapus obtusifolius	KJ611233.1	AIC32992.1	33434.1	9.57	101.61	35.53	0.018
	Dipterocarpus condorensis	KJ611229.1	AIC32988.1	33167.1	9.7	100.94	38.76	-0.009
	Dipterocarpus costatus	KJ611241.1	AIC33000.1	DO	DO	DO	DO	DO
	Dipterocarpus dyeri	KJ611231.1	AIC32990.1	33039.7	9.67	101.30	38.87	0.005
IV	*Dipterocarpus intricatus*	KJ611230.1	AIC32989.1	33039.7	9.67	101.30	38.87	0.005
	Dipterocarpus tuberculatus	KJ611232.1	AIC32991.1	33057.7	9.67	99.89	40.36	-0.002
	Hopea hiananensis	JK611240.1	AIC32999.1	33032.7	9.76	102.71	36.00	0.003
	Pashorea chinensis	KJ611235.1	AIC32994.1	34200.1	9.75	103.57	38.85	-0.033
V	*Dipterocarpus costatus*	AB924773.1	BAO71815.1	31569.9	9.81	94.11	38.17	-0.103
	Dipterocarpus intricatus	AB924851.1	BAO71892.1	33692.5	9.79	99.18	37.55	-0.062

	Shorea assamica	KJ709077.1	AIK19591.1	27782.5	9.91	92.45	32.90	-0.051
VI	*Vateriopsis seychellarm*	AB246432.1	BAE94064.1	38503.0	9.64	106.45	38.51	0.071
	Ctylelobium scabriusculum	AB246415.1	BAE94047.1	38776.3	9.78	102.22	39.13	0.007
	Dipterocarpus costatus	AB924773.1	BAE94105.1	38726.2	9.65	102.84	39.92	0.041
	Dipterocarpus glandulosus	AB246477.1	BAE94109.1	DO	DO	DO	DO	DO
	Dipterocarpus zeylanicus	AB246474.1	BAE94106.1	DO	DO	DO	DO	DO
	Dipterocarpus insignis	246475.1	BAE94107.1	38709.1	9.56	104.04	39.78	0.051
	Dipterocarpus cornutus	AB246472.1	BAE94104.1	38720.0	9.65	101.64	41.87	0.022
	Dipterocarpus hispidus	AB246476.1	BAE94108.1	38726.2	9.65	102.84	39.92	0.041
	Shorea assamica	AB246453.1	BAE94085.1	38497.0	9.69	106.45	37.81	0.078

DO= same as previous one.

Table S4: Species, Mol. Wt. (Molecular Weight), Theo.PI (Theoretical Iso-electric point), Instability Index, GAVY(Grand average of hydropathicity) based on *rbcL* protein sequences.

Cluster	**Name of species**	**Nucleotide**	**Protein**	**Mol. Wt.**	**Theo. PI**	**Aliphatic Index**	**Instability Index**	**GRAVY**
Sub-cluster-I	*Angioptera costata*	AB925371.1	BAO724110.1	19785.5	6.89	81.53	28.21	-0.290
		AB925341.1	BAO72380.1	DO	DO	DO	DO	DO
	Vatica mangachapoi	AY328199.1	AAR03539.1	44667.8	6.59	79.83	37.80	-0.260

	Hopea hainanensis	AY328198.1	AARO3538.1	44760.9	DO	DO	40.40	DO
Sub-cluster - II	*Dipterocarpus intricatus*	AB925469.1	BAO72508.1	19799.5	6.89	82.09	27.90	-0.288
	DO	AB925465.1	BAO72504.1	DO	DO	DO	DO	DO
	DO	AB925445.1	BAO72484.1	DO	DO	DO	DO	DO
	DO	AB925356.1	BAO72395.1	DO	DO	DO	DO	DO
Cluster-I	*Dipterocarpus costatus*	AB925489.1	BAO72528.1	19763.5	5.93	81.53	26.37	-0.292
	DO	AB925384.1	BAO72423.1	DO	DO	DO	DO	DO
	DO	AB925524.1	BAO72563.1	DO	DO	DO	DO	DO
	Dipterocarpus alatus	AB925589.1	BAO72628.1	DO	DO	DO	DO	DO
	Dipterocarpus costatus	KM267152.1	AIQ84870.1	24746.2	6.73	84.98	40.71	-0.108
	Dipterocapus obtusifolius	AB925453.1	AIQ84870.1	24746.2	6.73	84.98	40.71	-0.108
	Dipterocarpus temphes	KJ594685.1	NA	NA	NA	NA	NA	NA
Cluster-II	*Shorea robusta*	JX856763.1	AGF94960.1	23686.9	6.21	76.19	32.25	-0.348
	Diterocarpus retusus	KP768999.1	AKE43586.1	30291.9	9.10	85.98	34.15	-0.213
Cluster-III	*Vatica mangachapoi*	KP769000	AKE43587.1	30321.9	9.17	84.58	35.42	-0.232

	Anisoptera marginata	Y15144.1	CAA75412.1	51448.5	6.13	80.67	38.86	-0.244
	Anisoptera magistocarpa	KJ594586.1	NA	NA	NA	NA	NA	NA
Cluster-IV	*Anisoptera magistocarpa*	KJ594584.1	NA	NA	NA	NA	NA	NA
	DO	KJ594585	NA	NA	NA	NA	NA	NA
	Anisoptera costata	KJ594581.1	AIG54639.1	20432.3	7.58	80.54	26.24	-0.261
	Anisoptera laevis	KJ594583.1	AIG54641.1	18543.0	5.48	78.80	24.08	-0.278
	DO	KJ594582	AIG54640.1	20410.2	6.57	80.54	24.47	-0.263
Cluster-V	*Shorea robusta*	JX856762.1	AGF94959.1	22199.1	5.79	75.53	32.06	-0.351
	Hopea hainanensis	KM267147.1	AIK84865.1	26768.5	7.04	84.71	44.11	-0.183
	Dipterocarpus dyeri	KM267151.1	AIQ84869.1	26802.6	7.03	83.06	42.58	-0.191
	Dipterocarpus tuberculatus	KM267148.1	AIQ84866.1	26788.5	DO	DO	DO	DO
	Dipterocarpus intricatus	KM267150.1	AIQ84868.1	32501.2	8.14	83.14	44.49	-0.178
	Parashorea chinensis	KM267143.1	AIQ84861.1	26768.5	7.03	84.30	42.72	-0.175
	Dipterocarpus retusus	KM267149.1	AIQ84867.1	DO	DO	DO	DO	DO

NA= Not applicable, no result is found.
DO= Same as previous one.

Table S5: Multi-sequence alignment of *matK* showed positions specific substitution of nucleotide by using Clustal Omega tool.

Name of the species	Positions specific substitution of nucleotide												
Dipterocarpus obtusifolius (KJ611233)	1113 (C→T)	1418 (G→T)											
Cotylelobiumscabriusculum(AB246415)	1115 (C→A)	1247 (C→T)	1353 (G→A)	1470 (G→C)									
Shoreaassamica (AB246453)	1119 (A→C)	1206 (T→A)	1276 (C→T)	1418 (G→T)	1486 (A→C)								
Dipterocarpus insignis (AB246475)	1119 (A→G)	1445 (G→A)											
Anisoptera costata (KJ708821),	1121 (G→A)	1127 (T→C)	1143 (T→A)	1162 (C→T)	1190 (G→A)	1208 (C→T)	1320 (G→C)	1334 (T→C)	1359 (C→T)	1276 (T→C)	1420 (T→C)	1447 (C→A)	1460 (C→T)

Anisoptera megistocarpcCa (KJ708822), *Anisoptera megistocarpa* (KJ708823), *Anisoptera costata* (AB924760), *Anisoptera costata* (AB924730), *Anisoptera laevis* (AB006370), *Anisoptera marginata* (AJ581409)													
Vateriacopallifera (AB246431), *Cotylelobiumscabriusculum* (AB246415)	1127 (T→C)	1143 (T→A)	1162 (C→T)	1167 (T→A)	1190 (G→A)	1208 (C→T)	1320 (G→C)	1359 (C→T)	1276 (T→C)	1420 (T→C)	1447 (C→A)	1460 (C→T)	
Hopeahainanensis (KJ611240), *Neobalanocarpusheimii* (AB006383)	1128 (A→C)	1143 (T→A)	1418 (G→T)	1420 (A→C)	1447 (C→A)	1460 (C→T)	1486 (G→C)						
Hopeahainanensis (KJ611240)	1140 (C→T)	1162 (C→T)	1281 (G→A)	1336 (T→A)	1470 (G→A)								
Dipterocarpus obtusifolius (KJ611233), *Parashoreachinensis* (KJ611235), *Dipterocarpus retusus* (KJ611234), *Shoreaassamica* (KJ709077), *Vateriopsisseychellarum* (AB246432), *Parashoreachinensis* (AY305717), *Dipterocarpus retusus* (KF021568), *Dryobalanopsoblongifolia* (AB006378), *Shoreaassamica* (AB246453)	1143 (T→A)												
Anisoptera costata (KJ708821)	1151 (A→C)	1425 (A→C)											
Vateriopsisseychellarum (AB246432), *Dipterocarpus glandulosus* (AB246477), *Dipterocarpus zeylanicus* (AB246474), *Dipterocarpus alatus* (AB246473), *Dipterocarpus hispidus* (AB246476), *Dipterocarpus insignis* (AB246475),	1162 (C→T)												

Dipterocarpus dyeri (KC765145), *Dipterocarpus dyeri* (KC765147), *Dipterocarpus dyeri* (KC765146)													
Dipterocarpus alatus (KC568464), *Dipterocarpus alatus* (KC568472), *Neobalanocarpusheimii* (AB006383)	1162 (T→C)												
Anisoptera costata (KJ708821), *Anisoptera megistocarpa* (KJ708822), *Anisoptera megistocarpa* (KJ708823), *Anisoptera costata* (AB924760), *Anisoptera costata* (AB924730)	1167 (T→A)	1209 (G→A)											
Dryobalanopsoblongifolia(AB006378)	1177 (C→T)	1319 (G→A)	1325 (C→T)	1326 (G→A)	1338 (G→T)	1363 (G→T)							
Vateriacopallifera (AB246431)	1178 (A→C)	1276 (C→T)											
Parashoreachinensis (KJ611235), *Dipterocarpus retusus* (KJ611234), *Dipterocarpus retusus* (KF021568)	1184 (T→G)												
Shoreaassamica (KJ709077), *Vateriopsisseychellarum* (AB246432), *Parashoreachinensis* (AY305717), *Dipterocarpus retusus* (KF021568), *Dryobalanopsoblongifolia* (AB006378), *Shoreaassamica* (AB246453), *Hopeahainanensis* (KJ611240), *Neobalanocarpusheimii* (AB006383), *Dipterocarpus obtusifolius* (KJ611233), *Parashoreachinensis* (KJ611235), *Dipterocarpus retusus* (KJ611234)	1208 (C→T)												

Shoreaassamica (KJ709077)	1221 (G→A)	1227 (A→T)	1276 (C→T)	1300 (A→T)	1332 (G→A)	1359 (C→T)	1376 (T→C)	1385 (A→C)	1420 (G→T)	1486 (A→C)			
Vateriopsisseychellarum (AB246432)	1246 (A→C)	1460 (C→A)											
Neobalanocarpusheimii (AB006383)	1281 (G→A)	1292 (A→G)	1467 (G→A)										
Vateriopsisseychellarum (AB246432), *Parashoreachinensis* (AY305717), *Dipterocarpus retusus* (KF021568), *Dryobalanopsoblongifolia* (AB006378), *Shoreaassamica* (AB246453)	1320 (G→C)	1420 (T→C)	1447 (C→A)	1460 (C→T)									
Parashoreachinensis (KJ611235), *Dipterocarpus retusus* (KJ611234), *Parashoreachinensis* (AY305717), *Dipterocarpus retusus* (KF021568), *Dryobalanopsoblongifolia* (AB006378)	1325 (G→A)												
Parashoreachinensis (KJ611235), *Dipterocarpus retusus* (KJ611234), *Parashoreachinensis* (AY305717), *Dipterocarpus retusus* (KF021568)	1326 (G→A)												
Dipterocarpus intricatus (AB924855)	1329 (G→A)												
Dipterocarpus alatus (KC568463), *Dipterocarpus alatus* (KC568465), *Dipterocarpus alatus* (KC568466), *Dipterocarpus alatus* (KC568467), *Dipterocarpus alatus* (KC568469), *Dipterocarpus alatus* (KC568470), *Dipterocarpus alatus* (KC568471),	1339 (C→T)												

Dipterocarpus alatus (KC568473), *Dipterocarpus costatus* (KC708339)													
Parashoreachinensis (AY305717), *Dipterocarpus retusus* (KF021568), *Parashoreachinensis* (KJ611235), *Dipterocarpus retusus* (KJ611234)	1418 (G→T)												
Dipterocarpus obtusifolius (KJ611233), *Parashoreachinensis* (KJ611235), *Dipterocarpus retusus* (KJ611234)	1447 (C→A)	1460 (C→T)											
Dipterocarpus condorensis (KC765143)	1491 (T→G)	1494 (T→G)											