

SUPPLEMENTARY DATA

TABLE S1. List of taxa with accession numbers obtained from GenBank.

Taxa	<i>rbcL</i>	<i>trnT-F</i>	<i>rps16</i>	<i>atpB-rbcL</i>
<i>Alberta minor</i>	EU817410	EU817452	EF205637	DQ131699
<i>Anthospermum herbaceum</i>	X83623	EU145544	EU145496	AJ234028
<i>Appunia guatemalensis</i>	AJ288593	AM945332	--	AJ234009
<i>Caelospermum monticolum</i>	AF331644	AM945334	AF001438	AM945221
<i>Calycophyllum candidissimum</i>	X83627	DQ359164	AF004030	DQ131708
<i>Captaincookia margaretae</i>	EU817415	EU817456	EU817436	--
<i>Catesbaea spinosa</i>	X83628	AF152706	AF004032	--
<i>Cephalanthus occidentalis</i>	X83629	AF152692	AF004033	DQ131710
<i>Cinchona pubescens</i>	X83630	AY538451	AF004035	AJ233990
<i>Coccocypselum condalia</i>	AM117217	EU145547	EU145499	EU145324
<i>Condaminea corymbosa</i>	Y18713	AF102406	AF004039	--
<i>Coussarea hydrangeifolia</i>	EU145460	EU145549	EU145501	EU145326
<i>CreMASpora triflora</i>	Z68856	AF201040	AF200990	DQ131718
<i>Cruckshanksia hymenodon</i>	AJ288599	EU145550	EU145502	AJ234004
<i>Damnacanthus macrophyllus</i>	AM945285	AM945336	AM945308	AM945222
<i>Danais xanthorrhoea</i>	Z68794	AM409329	AM117297	AJ234019
<i>Declieuxia fruticosa</i>	AJ002177	EU145552	EU145503	DQ131721
<i>Diplospora polysperma</i>	AJ286703	EU145538	AM117301	--
<i>Doricera trilocularis</i>	EU817417	EU817457	EU817437	--
<i>Emmenopterys henryi</i>	Y18715	AF152637	AF242941	DQ131728
<i>Exostema spinosum</i>	AY205350	AY763830	AF242947	--
<i>Faramea multiflora</i>	Z68796	AF102422	AF004048	EU145328
<i>Ferdinandusa speciosa</i>	Y18713	EU145534	AM117304	DQ131735
<i>Gaillonia olivieri</i>	DQ662176	DQ662142	DQ662199	--
<i>Galium album</i>	X81090	GU357146	AF004050	X76459
<i>Gelsemium sempervirens</i>	L14397	AM295096	DQ660581	AJ233985
<i>Guettarda uruguensis</i>	X83638	EU145533	EU145489	DQ131739
<i>Gynochthodes coriacea</i>	AJ288603	AJ847407	AM117311	AM945219
<i>Hillia triflora</i>	X83642	AM117362	AM117315	AJ233993.2
<i>Isertia coccinea</i>	AY538489	AY538455	AY538430	--
<i>Ixora coccinea</i>	X83646	EU817464	EF205641	AM412400
<i>Kelloggia galioides</i>	DQ662179	DQ662146	DQ662203	AY570767
<i>Kraussia floribunda</i>	Z68858	AM117368	AM117325	DQ131746
<i>Leptodermis potanini</i>	DQ662180	DQ662148	DQ662204	--
<i>Luculia grandifolia</i>	X83648	DQ662149	DQ662205	AJ233986
<i>Morinda citrifolia</i>	AJ318448	AF152616	AJ320078	--

<i>Morinda longiflora</i>	--	FJ906986	GQ463275	--
<i>Morinda lucida</i>	--	FJ907010	GQ463276	DQ131753
<i>Mussaenda erythrophylla</i>	X83652	EU145535	EU145493	DQ131754
<i>Nauclea orientalis</i>	AY538501	AJ346958	AJ320080	EU145320
<i>Ophiorrhiza mungos</i>	FJ209082	DQ662151	AF004064	FJ226541
<i>Paederia bojeriana</i>	DQ662181	DQ662152	DQ662206	--
<i>Paederia lanata</i>	FN376317	FN376333	FN376325	--
<i>Paederia majungensis</i>	DQ662184	DQ662155	DQ662209	--
<i>Paederia mandrarensis</i>	DQ662185	DQ662156	DQ662210	--
<i>Paederia ntiti</i>	FN376320	FN376336	FN376328	--
<i>Paederia pilifera</i>	DQ662186	DQ662157	DQ662211	--
<i>Paederia pospischilii</i>	DQ662187	DQ662158	DQ662212	--
<i>Pentas lanceolata</i>	L13931	AM266963	AM266875	AB247149
<i>Putoria calabrica</i>	AJ288620	DQ662166	AF004072	X81672
<i>Rondeletia odorata</i>	Y11857	AF152741	EU145490	EU145321
<i>Rubia tinctorum</i>	X83666	FJ695421	--	X76465
<i>Sabicea diversifolia</i>	EU145459	AJ847396	EU145494	DQ131781
<i>Saprosma foetens</i>	DQ662193	DQ662168	DQ662218	FJ695386
<i>Scyphiphora hydrophyllace</i>	EU817432	EU817475	DQ923045	--
<i>Serissa foetida</i>	Z68822	AF152618	AF004081	AJ234034
<i>Spermadictyon suaveolens</i>	Z68824	DQ662171	DQ662219	--
<i>Theligonum cynocrambe</i>	X83668	AF152621	AF004087	X81680
<i>Uncaria rhynchophylla</i>	X83669	AJ346959	AB178637	--
<i>Versteegia cauliflora</i>	EU817433	EU817476	EU817451	--
<i>Xanthophytum borneense</i>	EU145466	EU145567	EU145513	EU145335

TABLE S2. Posterior age distributions of major nodes of *Paederia* based on different calibration protocols. Node numbers correlate with those in Fig. 2.

Node	Normal prior		Uniform prior		Exponential prior	
	Mean (Ma)	95% HPD (Ma)	Mean (Ma)	95% HPD (Ma)	Mean (Ma)	95% HPD (Ma)
1: <i>Paederia</i> stem	30.73	22.84 – 39.67	32.39	23.51 – 41.42	31.37	22.7 – 40.02
2: <i>Paederia</i> crown	24.21	16.41 – 32.5	25.52	17.26 – 34.51	24.58	16.79 – 33.55
3: <i>Paederia</i> clade I crown	15.92	5.11 – 26.21	17.07	5.71 – 28.43	16.32	5.65 – 27.0
4: Asian – African disjunction	15.99	10.28 – 22.68	16.85	10.8 – 24.11	16.27	10.87 – 23.58
5: <i>Paederia</i> clade II crown	8.68	4.59 – 14.43	9.44	4.93 – 15.34	9.06	4.86 – 14.85
6: African – Central American disjunction	6.08	1.87 – 11.33	6.39	1.95 – 11.95	6.21	2.04 – 11.76
7: <i>Paederia</i> clade III crown	12.13	7.9 – 17.93	12.8	7.84 – 18.9	12.38	7.52 – 17.92
8: Asian – South American disjunction	10.01	5.57 – 15.47	10.53	5.55 – 16.47	10.13	5.5 – 15.72