Table S3: Biogeographic model fit statistics from BioGeoBEARS for the estimation with node con-
straint. The node between the outgroup (core Arecoids) and the POS-clade was constraint to the range Southeast
Asia/Eurasia, based on Baker & Couvreur (2013a). The first part of the model name corresponds to the range
evolution model: dec (DEC), dl (DIVALIKE), b (BAYAREALIKE); and the second part of the model name to the
dispersal probability models: no dispersal probability constraints $(M_0)$ , dispersal probability constraints as in Baker
& Couvreur (2013a) (B: $M_B$ ), dispersal probability constraints as in Federman & al. (2015) (F: $M_F$ ). LnL: Log
likelihood; numparams: number of parameters in the model; d: estimated dispersal rate; e: estimated extinction
(=extirpation) rate; AICc: AICc score; AICc_wt: AICc weight.

likelihood; nump	params: number of parate; AICc: AICc score;	ameters in the mod	lel; d: estimat	(	, (	0
Model name	LnL	numparams	d	е	AICc	AICc_wt
dec_M0	-17.83570417	2	0.004969	0.007781075	40.37729	0.084279
dl_M0	-15.53472106	2	0.004282	0.003797482	35.77532	0.841442
h_MO	-20 01003505	2	0.007103	0.021126130	16 5/1575	0.003857

(									
	Model name	LnL	numparams	d	e	AICc	AICc_wt		
	dec_M0	-17.83570417	2	0.004969	0.007781075	40.37729	0.084279		
	dl_M0	-15.53472106	2	0.004282	0.003797482	35.77532	0.841442		
	b_M0	-20.91993505	2	0.007103	0.021126139	46.54575	0.003857		
	dec MB	-20.86584014	2	0.01236	0.008122437	46.43756	0.004071		
	dl MB	-18.76244678	2	0.010283	0.003936585	42.23078	0.033361		

0.019032

0.011001

0.013197

0.01

0.022819529

0.010109206

0.023127749

0.01

53.40918

43.94553

43.58465

48.11776

0.000125

0.014154

0.016953

0.001758

b MB

dl MF

b MF

dec MF

-24.35164979

-19.61982629

-19.43938328

-21.7059387