Table S3: Biogeographic model fit statistics from BioGeoBEARS for the estimation with node constraint. 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.											
Model name	LnL	numparams	d	е	AICc	AICc_wt					
dec_M0	-6.83469	2	0.002406	1.00E-12	18.41938	0.055809					
dl_M0	-4.63746	2	0.002406	1.00E-12	14.02493	0.50228					
h_MO	10.0052	2	0.004102	0.015244	26.74061	0.000071					

(=extirpation) rate; AICc: AICc score; AICc_wt: AICc weight.									
	Model name	LnL	numparams	d	е	AICc	AICc_wt		
	dec_M0	-6.83469	2	0.002406	1.00E-12	18.41938	0.055809		
	dl_M0	-4.63746	2	0.002406	1.00E-12	14.02493	0.50228		
	b_M0	-10.9953	2	0.004102	0.015244	26.74061	0.000871		

0.005695

0.005694

0.011254

0.003229

0.003228

0.005125

1.00F-12

1.00E-12

0.015711

1.00E-12

1.00E-12

0.015307

20.77781

16.38336

28.48407

19.88417

15.48973

27.03999

0.017162

0.154461

0.000364

0.241473

0.000749

0.02683

dec DB

dl DB

b DB

dl DF

b DF

dec DF

-8.0139

-5.81668

-7.56709

-5.36986

-11.145

-11.867