Additional File 3. Posterior probabilities for the speciation models sampled by BPP, using the different algorithms and fine-tune parameters (ε , a and m). Priors were kept constant: $\theta \sim G(1.5,300)$ and $\tau_0 \sim G(1.5,30)$. Each speciation model is represented using 0-1 flags for the interior nodes, with 0 indicating a collapsed node and 1 a resolved node. Nodes are ordered as in Figure 1, with the first flag corresponding to node a, the second to node b, and so on up to node b. Each cell has the posterior probability for two replicate runs of BPP, which started with different speciation models. NS: model not sampled.

speciation	algorithm 0		algorithm 1			
model	ε = 5	ε = 20	a = 0.5; m = 1	a = 0.5; m = 2	a = 2; m = 1	a = 2; m = 2
111111111111	0.997; 0.996	1; 1	0.996; 0.991	0.998; 1	0.995; 0.999	0.994; 0.986
111101111111	2.7E-3; 3.7E-3	NS	4.1E-3; 8.7E-3	2.1E-3; NS	5.5E-3; 1.2E-3	6.2E-3; 0.014