

Givnish et al. – American Journal of Botany – Appendix S9. Priors and mean ages used to calibrate the monocot phylogenomic tree.

Node	Prior**	Mean	SD or Range	Source
1. Arecaceae subfamily Coryphoideae stem	L	83.6	2	Iles et al. 2015
2. Arecaceae tribe Caryoteae stem	L	47.8	2	Courvreur et al. 2011; Bacon et al. 2012; Iles et al. 2015
3. Araceae subfamily Lemnoideae stem	L	66	2	Iles et al. 2015
4. Araceae subfamily Monsteroideae crown	L	120.7	2	Iles et al. 2015
5. Asparagaceae <i>Yucca</i> stem	L	14.5	2	Iles et al. 2015
6. <i>Cyclanthus</i> stem	L	47	2	Iles et al. 2015
7. Hemerocallidaceae stem	L	38	2	Iles et al. 2015
8. Poaceae <i>Leersia</i> stem	L	30.44	2	Iles et al. 2015
9. Poaceae PACMAD stem	L	66	2	Prasad et al. 2011; Iles et al. 2015
10. Poaceae subfamily Pooideae crown	L	40	2	Prasad et al. 2011; Iles et al. 2015
11. Ripogonaceae crown	L	51	22	Iles et al. 2015
12. Typhaceae crown	L	70	2	Givnish et al. 2005; Iles et al. 2015
13. Zingiberales crown	L	83	2	Iles et al. 2015
14. Caryophyllales + Asterids crown	N	111	100-122	Bell et al. 2010
15. Cyperaceae crown	N	85	81-90	Spalink et al. 2016
16. Magnoliid crown	N	123	108-138	Bell et al. 2010
17. Monocot stem	N	134.5	133-136	Givnish et al. 2015; Magallón et al. 2015
18. Rosid crown	N	114.5	97-132	Bell et al. 2010

19. <i>Illicium</i> stem	U	137.5	136-139	Bell et al. 2010; Givnish et al. 2015
20. Angiosperm root	U	138.5	137-140	Givnish et al. 2015; Magallón et al. 2015

*L = lognormal, N = normal, U = uniform