

Supplementary Table 8.1. Selected fossils of early diverging eudicots

clade	taxon	organ	source	minimum age estimate (Mya)	reference
Indet. Eudicot	<i>Leefructus mirus</i>	plant with leaves and fruits	Early Cretaceous (Early Aptian) Yixian Fm, Liaoning, China	125	Sun et al. 2011
Ceratophyllaceae	<i>Ceratophyllum</i> sp.	fruit	Late Cretaceous Early Maastrichtian, Horseshoe Canyon Fm, Alberta	72	Aulenbach 2009
Stem Ranunculaceae?	<i>Ranunculaecarpus</i>	fruit	Early Cretaceous (Albian) Kolyma Basin, East Siberia Russia	102	Samylina 1960; Friis et al. 2011
Berberidaceae	<i>Mahonia marginata</i>	Leaves	Late Eocene, Florissant, Colorado	34	MacGinitie 1953
Menispermaceae	<i>Stephania palaeosudamericana</i>	fruit	Middle to late Paleocene, Colombia	58	Herrera et al 2011
Menispermaceae	<i>Palaeoluna</i> spp.	fruit	Paleocene Colombia and Wyoming, USA	58-56	Herrera et al 2011
Proteaceae	<i>Beaupreaidites</i> , <i>Cranwellipollis</i> , <i>Lewalanipollis</i> , <i>Propylipollis</i> , <i>Proteacidites</i>	Pollen resembling extant genera of the family	Late Cretaceous (Campanian–Maastrichtian) southeastern Australia	83-66	Dettmann and Jarzen 1996
Platanaceae	<i>Aquia brookensis</i>	staminate inflorescences, flowers	Early–Middle Albian 'Bank near Brooke', Virginia, USA	109	Crane et al. 1993
Platanaceae	<i>Credneria denticulata</i>	Leaves with epidermal preservation	Late Cretaceous (Santonian), Quedlinburg, Germany	85	Tschan et al. 2008
Platanaceae	<i>Platanus</i> spp.	Leaves with cuticle and staminate inflorescences	Late Cretaceous (Santonian), Quedlinburg, Germany	85	Tschan et al. 2008
Platanaceae	<i>Platanites marginata</i>	Compound leaves	Late Cretaceous (Maastrichtian), Paleocene, North America	66	K. Johnson 1996; Manchester 2014
Platanaceae	<i>Macginitiea nobilis</i>	Leaves and associated reproductive structures	Paleocene, western North America	60	Manchester 2014
Nelumbonaceae	<i>Nelumbites extenuinervis</i>	leaves	Early Cretaceous (Upper Albian) Quantico, Virginia	102	Upchurch et al. 1994
Nelumbonaceae	<i>Nelumbo puertae</i>	leaves and fruit	Late Cretaceous (Campanian–Maastrichtian) Patagonia, Argentina.	83-66	Gandolfo and Cuneo 2005
Sabiaceae	<i>Meliosma praealba</i>	fruit	Late Cretaceous (Maastrichtian), Walbeck, Germany	67	Knobloch and Mai 1986
Sabiaceae	<i>Meliosma</i> spp.	fruit	Late Cretaceous (Late Maastrichtian) Golden	66	Crane et al. 1990

			Colorado		
Sabiaceae	<i>Insitiocarpus compressus.</i>	fruit	Late Cretaceous (Maastrichtian), Walbeck, Germany	70	Knobloch and Mai 1986
Sabiaceae	<i>Sabia prefoetida</i>	fruit	Middle Eocene Clarno Fm, Oregon	46	Manchester 1994
Trochodendraceae	<i>Trochodendron nastae, T. drachukii</i>	leaves, fruits	Eocene of British Columbia, Canada and northwestern USA	49	Pigg et al .2007
Trochodendraceae	<i>Tetracentron hopkinsii</i>	leaves	Eocene, One Mile Creek, British Columbia	49	Pigg et al .2007
Buxaceae	<i>Spanomera mauldinensis</i>	flowers	Early Cenomanian Mauldin Mountain locality and S.	100	Drinnan et al. 1991
Buxaceae	<i>Erdtmanipollis</i>	pollen resembling extant <i>Pachysandra</i> and <i>Sarcococca</i>	Late Cretaceous (Campanian) Northern Hemisphere	80	Srivastava 1972; Friis et al 2011