

TABLE DR1. DATA FOR LUCINID DIVERSITY THROUGH TIME

Genus	Sil	Dev	Carb	Perm	Trias	L Jur	M Jur	U Jur	L Cret	U Cret	Maas	Paleoc	Eoc	Olig	Mioc	PlioPleis	FIRST LISTING
	IN TREATISE															Treatise	
<i>Lucina</i>						1	0	0	0	0	0	0	0	0	0	0	x
<i>Lucinica</i>									1	0	0	0	0	0	0	0	x
<i>Barberella</i>									1	1	0	0	0	0	0	0	x
<i>Callicina</i>						1	0	0	0	0	0	0	0	0	0	0	x
<i>Callicinopsis</i>						1	0	0	0	0	0	0	0	0	0	0	x
<i>Pseudocallicina</i>																	x
<i>Strobilicina</i>											1	0	0	0	0	0	x
<i>Cavilicina</i>										1	0	0	0	0	0	0	x
<i>Codakia</i>									1	0	0	0	0	0	0	0	x
<i>Eplicina</i>						1	0	0	0	0	0	0	0	0	0	0	x
<i>Ctena</i>										1	0	0	0	0	0	0	x
<i>Epicondakia</i>										1	0	0	0	0	0	0	x
<i>Here</i>											1	0	0	0	0	0	x
<i>Herella</i>										1	0	0	0	0	0	0	x
<i>Bellucina</i>											1	0	0	0	0	0	x
<i>Illesca</i>											1						x
<i>Pteroulicina</i>												1	0	0	0	0	x
<i>Loripa</i>												1	0	0	0	0	x
<i>Lucinolida</i>						1											x
<i>Megoxinus</i>												0	0	0	0	0	x
<i>Pteromytes</i>											1	0	0	0	0	0	x
<i>Mesolina</i>						1	0	0	0	0	0	0	0	0	0	0	x
<i>Nevenulora</i>											1	0	0	0	0	0	x
<i>Jagonoma</i>						1	0	0	0	0	0	0	0	0	0	0	x
<i>Parvilicina</i>							1	0	0	0	0	0	0	0	0	0	x
<i>Callucinella</i>											1	0	0	0	0	0	x
<i>Cavilinga</i>										1	0	0	0	0	0	0	x
<i>Microclipes</i>											1	0	0	0	0	0	x
<i>Piliolina</i>												1	0	0	0	0	x
<i>Recunella</i>												1	0	0	0	0	x
<i>Volupia</i>												1					x
<i>Wallicina</i>													1	0	0	0	x
<i>Myrtlea</i>							1	1	0	0	0	0	0	0	0	0	x
<i>Mytreopsis</i>													1				x
<i>Discomiltha</i>						1											x
<i>Gardnerella</i>											1	0	0	0	0	0	x
<i>Gonimytreta</i>										1	0	0	0	0	0	0	x
<i>Lucinoma</i>							1	0	0	0	0	0	0	0	0	0	x
<i>Mesolimna</i>						1	0	0	0	0	0	0	0	0	0	0	x
<i>Mithonida</i>												1					x
<i>Monililida</i>												1	0	0	0	0	x
<i>Prophetilora</i>												1	0	0	0	0	x
<i>Miltha</i>							1	0	0	0	0	0	0	0	0	0	x
<i>Reticcardo</i>								1	0	0	0	0	0	0	0	0	x
<i>Anodontia</i>										1	0	0	0	0	0	0	x
<i>Loripinus</i>											1	0	0	0	0	0	x
<i>Clabronites</i>											1	0	0	0	0	0	x
<i>Calolucina</i>											1	0	0	0	0	0	x
<i>Austriella</i>												1	0	0	0	0	x
<i>Globobulicina</i>												1	0	0	0	0	x
<i>Comilia</i>												1	0	0	0	0	x
<i>Illonia</i>	1	0															x
<i>Jagolicina</i>										1	0						x
<i>Myrtolina</i>											1						x
<i>Pegophysema</i>												1	0	0	0	0	x
<i>Eophysema</i>												1					x
<i>Paracyclas</i>	1																x
<i>Phenacocyclus</i>	1																x
<i>Pseudomiltha</i>						0	0	0	0	0	0	0	0	0	0	0	x
<i>Zoritta</i>											1	0	0	0	0	0	x
<i>Perimytra</i>										1	0	0	0	0	0	0	x
<i>Saudachia</i>											1	0	0	0	0	0	x
<i>Plastomiltha</i>											1	0	0	0	0	0	x
<i>Divaricella</i>											1	0	0	0	0	0	x
<i>Egrecina</i>												1					x
<i>Bœuvia</i>												1	0				x
<i>Divalinga</i>												1	0	0	0	0	x
<i>Stchepinska</i>												1	0	0	0	0	x
<i>Divalicina</i>												1	0	0	0	0	x
<i>Lucinella</i>													1	0	0	0	x
<i>Paralucinella</i>													1				x
<i>Eodivaricella</i>													1				x
<i>Leviomytra</i>														1			x
<i>Paleolucina?</i>															1	0	x
ADDED BY SEPkoski																	
<i>Phacoides</i>												1	0	0	0	0	0
<i>Cryptolucina</i>												1	0	0	0	0	0
NEW IN PALEONTOLOGY DATABASE																	
<i>Arminillita</i>														1	0	0	x
<i>Bulacanites</i>														1			x
<i>Cardiolucina</i>														1			x
<i>Cryptolucina</i>														1	0	0	x
<i>Discolorites</i>														1			x
<i>Gigantocyclus</i>						1											x
<i>Nipponothracia</i>												1	3	1	1	1	0
<i>Nympholucina</i>												1	1	0	0	0	x
<i>Radilocina</i>														1	0	0	x
<i>Sinbadella</i>						1											x
<i>Superlucina</i>													1	0	0	0	x
<i>Beauvoisina</i>							1										x
<i>Cubatae</i>								1	0	0	0	0	0	0	0	0	x
<i>Tehamatea</i>								1	0								x
<i>Elliptolucina</i>													1	0	0	0	x
<i>Elongatolucina</i>													1	0	0	0	x
<i>Amanocina</i>													1	0	0	0	x
<i>Ezolucina</i>													1				x
<i>Indolucina</i>						1	0										x
<i>Paramytreta</i>														1	0	0	x
<i>Stewertia</i>															1	0	x
<i>Tellurita</i>														1	0	0	x
<i>Clathrolucina</i>														1		0	x
<i>Elongalucina</i>														1	0	0	x
TOTAL FIRST LISTINGS FOR INTERVALS																	
Sepkoski	0	1	0	0	0	0	1	0	0	2	6	6	8	3	4	1	
PBDB																	
New Genera	0	0	0	0	1	0	1	0	3	4	3	2	4	3	4	4	
Sepk+PBDB+New	0	1	0	1	2	0	2	4	10	10	14	13	16	12	12	10	
Treatise	1	2	1	1	0	3	2	6	-10	13	13	26	46	47	47	44	
FIMBRIDAEE																	

**Recent Publications Not in the Sepkoski Database or Paleobiology Database
And the Genera For Which They Provide Data**

(Some are listed for more than one publication to include range extensions.)

Amano, K., Jenkins, R.G., Kurihara, Y., and Kiel, S., 2008, A new genus for *Vesicomya inflata* Kanie and Nishida, a lucinid shell convergent with that of vesicomyids, from Cretaceous strata of Hokkaido, Japan: *Veliger*, v. 50, p. 255-262.

Ezolucina

Fürsich, F. T., Heinze, M., and Jaitly, A. K., 2000, Contributions to the Jurassic of Kachchh, western India. 8. The bivalve fauna. Part 4. Subclass Heterodonta: Beringia, v 27, p. 63-146.

Indolucina

Ivimey-Cook, H. C., Hodges, P., Swift, A., and Radley, J. D., 1999, Fossils of the Rhaetian Penarth Group: Palaeontological Association Field Guides to Fossils, v. 9, p. 83-127.

Mesomiltha

Kanie, Y., Sakai, T., 1997, Chemosynthetic thraciid bivalve *Nipponothracia*, gen. nov. from the Lower Cretaceous and Middle Miocene mudstones in Japan: *Venus*, v.56, p 205-220.

Nipponothracia

Kendrick, G. W., Vartak, A. V., 2007, Middle Cretaceous (Cenomanian) bivalves from the Karai Formation, Uttattur Group, of the Cauvery Basin, south India: Records of the Western Australian Museum, Supplement 72: 1–101.

Paramyrtea

Kiel, S., 2013, Lucinid bivalves from ancient methane seeps: *Journal of Molluscan Studies*, v.79, p. 346-363.

Cubatea, Tehamatea, Elliptolucina, Elongatolucina, Nipponothracia, Amanocina, Nymphalucina

Kiel, S., Campbell, K.A., and Gaillard, C., 2010, New and little known mollusks from ancient chemosynthetic environments: *Zootaxa*, v. 2390, p. 26-48.

Beauvoisina, Cubatea

Olsson, A. A., and Harbison, A., 1953, Pliocene Mollusca of southern Florida: Academy of Natural Sciences of Philadelphia Monograph, v.8, 457 p.

Stewartia

Speden, I. G., 1970, The type Fox Hills Formation, Cretaceous (Maestrichtian), South Dakota. Part 2. Systematics of the Bivalvia: Peabody Museum of Natural History Bulletin 33, 222 p.

Nymphalucina

Taylor, J. D., Glover, E. A., and Valentich-Scott, P., 2011, Not a “living fossil:” the eastern Pacific bivalve *Tellidorella* belongs with Lucinidae, not Cardiniidae: The *Nautilus*, v. 125, p.75–78.

Tellidorella

Taylor, J. D., Glover, E. A., and Williams, S. T., 2013, Taxonomy and phylogeny of western Atlantic Lucinidae: new genus for *Lucina costata* d'Orbigny, 1846, a new species of *Ferrocina* and neotype designation for *Venus orbiculata* (Montagu, 1808): The *Nautilus*, v.127, p.131-146.

Clathrolucina

Gill, F. L., and Little, C. T. S., 2013, A new genus of lucinid bivalve from hydrocarbon seeps: *Acta Palaeontologica Polonica*, v. 58, p. 573–578.

Elongalucina