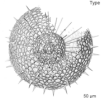
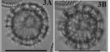
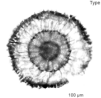


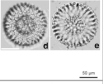
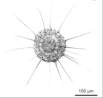
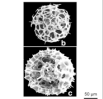
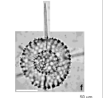
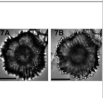
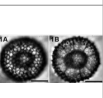
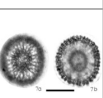













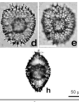
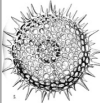
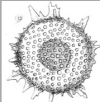

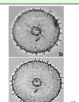
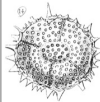


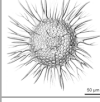
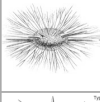
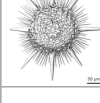




AVAILABILITY	STATUS (current genus)	IMAGE	F	D	S	syn	Type	ORIGINAL COMBINATION (corrected spelling)	AUTHORSHIP (species)	AGE (original chronostratigraphic occurrence)
	Actinommura		1	1	S		T	Actinomma capillaceum	Haeckel 1887: 255	Living
	Actinommura					syn		Actinomma capillaceum	Lucchese 1927: 91	early Middle Miocene
	Actinommura					syn		Actinomma capillaceum	Nakaseko 1959a: 11	Holocene
	Actinommura					syn		Actinomma capillaceum	Takahashi 1991: 65	Living
	Actinommura					syn		Actinomma capillaceum	Tan 1993: 203	Living
	Actinommura					syn		Actinomma capillaceum	Tan & Chen 1999: 176	Pleistocene
	Actinommura		1	1	S			Actinomma cocles	Renaudie & Lazarus 2013: 62	Late Oligocene–Late Pleistocene
	Actinommura?		1	1	S		Ts	Excentrosphaerella sphaeroconcha	Dumitrica 1978: 238	early Middle Miocene–late Middle Miocene
	Actinommura		1	1	S			Haliomma teuria	Hollis 1997: 36	Early Paleocene





AVAILABILITY	STATUS (current genus)	IMAGE	F	D	S	syn	Type	ORIGINAL COMBINATION (corrected spelling)	AUTHORSHIP (species)	AGE (original chronostratigraphic occurrence)
	Excentrococcus		1	1	S		T	Excentrococcus annulatus	Dumitrica 1978: 238	Middle Miocene
	Excentrococcus					syn		Excentrococcus annulatus	Sugiyama & Furutani 1992: 202	early Middle Miocene
	Excentrococcus					syn		Excentrosphaerella sphaeroconcha	Sugiyama & Furutani 1992: 202	Middle Miocene

AVAILABILITY	STATUS (current genus)	IMAGE	F	D	S	syn	Type	ORIGINAL COMBINATION (corrected spelling)	AUTHORSHIP (species)	AGE (original chronostratigraphic occurrence)
	<i>Excentrodiscus</i>		1	1	S			<i>Excentrodiscus dodo</i>	Dumitrica 2019: 53	Middle Eocene?
	<i>Excentrodiscus</i>		1	1	S		T	<i>Excentrodiscus echinatus</i>	Hollande & Enjumeat 1960: 125	Living
	<i>Excentrodiscus</i>		1	1	S			<i>Excentrodiscus grigorei</i>	Dumitrica 2019: 54	late Middle Miocene
	<i>Excentrodiscus</i>		1	1	S			<i>Excentrodiscus kamikuri</i>	Dumitrica 2019: 53	Middle Eocene?
	<i>Excentrodiscus</i>		1	1	S			<i>Excentrodiscus lappaceus</i>	Renaudie & Lazarus 2016: 33	early Middle Miocene
	<i>Excentrodiscus?</i>		1	1	S			<i>Excentrodiscus planangulus</i>	Renaudie & Lazarus 2016: 31	Late Oligocene–Middle Miocene
	<i>Excentrodiscus</i>		1	1	S			<i>Prunulum japonicum</i>	Nakaseko & Nishimura 1975: 52	Middle Miocene
	<i>Excentrodiscus</i>					syn		<i>Excentrodiscus japonicus</i>	Kamikuri 2010: 86	Middle Miocene–Late Miocene
	<i>Excentrodiscus</i>					syn		<i>Prunulum japonicum</i>	Renaudie 2012: 43	Late Miocene
	<i>Excentrodiscus</i>		1	1	S			<i>Thecosphaerella glebulenta</i>	Sanfilippo & Riedel 1973: 521	Early Eocene–early Middle Eocene
	<i>Excentrodiscus</i>					syn		<i>Thecosphaera glebulenta</i>	Nakaseko & Nishimura 1975: 49	Middle Miocene
	<i>Excentrodiscus</i>					syn		<i>Thecosphaerella</i> sp. aff. <i>T. glebulenta</i>	Kozlova 1999	Early Eocene

AVAILABILITY	STATUS (current genus)	IMAGE	F	D	S	syn	Type	ORIGINAL COMBINATION (corrected spelling)	AUTHORSHIP (species)	AGE (original chronostratigraphic occurrence)
n.d. [inf.]	<i>Heliodiscus?</i>	UNFIGURED	0	1	So		Td	<i>Astrophacus asteriscus</i>	Haeckel 1887: 453 [only description]	[Quaternary]
	<i>Heliodiscus?</i>					syn		<i>Astrophacus asteriscus</i>	Brandt in Wetzel 1936: 53	Late Eocene
	<i>Heliodiscus</i>		1	1	S			<i>Astrophacus solaris</i>	Haeckel 1887: 453	Living
	<i>Heliodiscus</i>		1	1	S			<i>Astrophacus viminalis</i>	Hollande & Enjumeat 1960: 126	Living
n.n. [premature n.]	<i>Heliodiscus</i>	UNFIGURED	0	0	Sp	PRE		<i>Haliomma amphidiscus</i>	Müller 1859a: 154	
	<i>Heliodiscus</i>		1	1	S			<i>Haliomma amphidiscus</i>	Müller 1859b: 40	Living
	<i>Heliodiscus</i>					syn		<i>Heliodiscus amphidiscus</i>	Haeckel 1862: 437	Living
	<i>Heliodiscus</i>					syn		<i>Heliodiscus amphidiscus</i>	Haeckel 1887: 447	
	<i>Heliodiscus</i>					syn		No indication by Ehrenberg	Suzuki et al. 2009a	
	<i>Heliodiscus</i>	UNFIGURED	0	1	Su			<i>Haliomma octacanthum</i>	Ehrenberg 1873a: 313 [only description]	Holocene
	<i>Heliodiscus</i>		1	0	Sf	SYN		<i>Haliomma octacantha</i>	Ehrenberg 1873b: 294-295 [figured type]	Holocene
	<i>Heliodiscus</i>					syn		<i>Astrostrum octacanthum</i>	Haeckel 1887: 442	no information given
	<i>Heliodiscus</i>					syn		<i>Haliomma octacanthum</i>	Suzuki et al. 2009a	
	<i>Heliodiscus?</i>	UNFIGURED	0	1	Su			<i>Haliomma oculatum</i>	Ehrenberg 1874b: 235 [only description]	late Middle Eocene
	<i>Heliodiscus?</i>		1	0	Sf	SYN		<i>Haliomma oculatum</i>	Ehrenberg 1876: 74-75 [figured type]	late Middle Eocene
	<i>Heliodiscus?</i>					syn		<i>Haliomma oculatum</i>	Haeckel 1887: 234	
	<i>Heliodiscus?</i>					syn		<i>Haliomma oculatum</i>	Ogane et al. 2009b	
	<i>Heliodiscus</i>	UNFIGURED	0	1	Su			<i>Haliomma phacodiscus</i>	Haeckel 1861a: 815 [only description]	Living
	<i>Heliodiscus</i>		1	0	Sf	SYN	T	<i>Heliodiscus phacodiscus</i>	Haeckel 1862: 437, 549 [figured type]	Living
	<i>Heliodiscus</i>					syn		<i>Heliodiscus phacodiscus</i>	Haeckel 1887: 447	Living
	<i>Heliodiscus</i>					syn		<i>Heliodiscus phacodiscus</i>	Tan & Tchang 1976: 241	Living
	<i>Heliodiscus</i>					syn		<i>Haliomma phacodiscus</i>	Tan & Chen 1999: 206	Living
	<i>Heliodiscus</i>		1	1	S		Ts	<i>Heliocladus furcatus</i>	Haeckel 1879: 705	Living
	<i>Heliodiscus?</i>		1	1	S			<i>Heliodiscus (Heliocincta) hexasteriscus</i>	Clark & Campbell 1942: 40	early Middle Eocene
	<i>Heliodiscus?</i>					syn		<i>Heliodiscus (Heliocincta) hexasteriscus</i>	Clark & Campbell 1945: 22	early Middle Eocene
	<i>Heliodiscus?</i>					syn		<i>Heliodiscus hexasteriscus</i>	Petrushevskaya 1967: 523	Eocene
	<i>Heliodiscus?</i>					syn		<i>Heliodiscus hexasteriscus</i>	Kozlova 1999: 83	Early Eocene–Middle Eocene
	<i>Heliodiscus?</i>					syn		<i>Heliodiscus hexasteriscus</i>	Kamikuri 2015: tab.1	late Middle Eocene–Late Eocene
	<i>Heliodiscus?</i>		1	1	S			<i>Heliodiscus (Heliocincta) inca</i>	Clark & Campbell 1942: 38	early Middle Eocene
	<i>Heliodiscus?</i>					syn		<i>Astrophacus inca</i>	Caulet 1986a: 851, tab.2	Late Eocene
	<i>Heliodiscus?</i>					syn		<i>Heliodiscus inca</i>	Kozlova 1999: tab.5	Late Eocene
	<i>Heliodiscus?</i>					syn		<i>Heliodiscus inca</i>	O'Connor 1999: 32	Late Eocene
	<i>Heliodiscus?</i>		1	1	S			<i>Heliodiscus (Heliocincta) quadratus</i>	Clark & Campbell 1942: 38	early Middle Eocene

AVAILABILITY	STATUS (current genus)	IMAGE	F	D	S	syn	Type	ORIGINAL COMBINATION (corrected spelling)	AUTHORSHIP (species)	AGE (original chronostratigraphic occurrence)
	<i>Heliodiscus?</i>					syn		<i>Heliodiscus quadratus</i>	Kozlova 1999: 85	late Middle Eocene
	<i>Heliodiscus</i>		1	1	S			<i>Heliodiscus asteriscoides</i>	Haecker 1907: 115, 122	Living
	<i>Heliodiscus</i>					syn		<i>Heliodiscus asteriscoides</i>	Haecker 1908: 433, 444	Living
	<i>Heliodiscus</i>		1	1	S		Ts	<i>Heliodiscus asteriscus</i>	Haeckel 1887: 445	Living
	<i>Heliodiscus</i>					syn		<i>Heliodiscus asteriscus</i>	Riedel 1953: 809	late Late Miocene
	<i>Heliodiscus</i>					syn		<i>Heliodiscus asteriscus</i>	Hays 1965: 171	Quaternary
	<i>Heliodiscus</i>					syn		<i>Heliodiscus asteriscus</i>	Nigrini 1967: 32	Living
	<i>Heliodiscus</i>					syn		<i>Heliodiscus asteriscus</i>	Petrushevskaya & Kozlova 1972: 523	Eocene?–Living
	<i>Heliodiscus</i>					syn		<i>Heliodiscus asteriscus</i>	Riedel & Sanfilippo 1978b: 108	Early Pliocene
	<i>Heliodiscus</i>					syn		<i>Heliodiscus asteriscus</i>	Keany 1979: 53	Pleistocene
	<i>Heliodiscus</i>					syn		<i>Heliodiscus asteriscus</i>	Boltovskoy & Riedel 1980: 115	Living
	<i>Heliodiscus</i>					syn		<i>Heliodiscus asteriscus</i>	Tan & Su 1982: 152	Holocene
	<i>Heliodiscus</i>					syn		<i>Heliodiscus asteriscus</i>	Takahashi 1991: 89	Living
	<i>Heliodiscus</i>					syn		<i>Heliodiscus asteriscus</i>	Tan & Chen 1999: 208	Living
	<i>Heliodiscus</i>		1	1	S			<i>Heliodiscus bipolaris</i>	Dumitrica 2019: 52	Late Miocene
	<i>Heliodiscus</i>		1	1	S			<i>Heliodiscus echiniscus</i>	Haeckel 1887: 448	[Quaternary]
	<i>Heliodiscus</i>					syn		<i>Heliodiscus (Heliodiscilla) echiniscus</i>	Nakaseko 1955: 91	late Early Miocene
	<i>Heliodiscus</i>					syn		<i>Heliodiscus echiniscus</i>	Nigrini 1967: 34	Living
	<i>Heliodiscus</i>					syn		<i>Heliodiscus echiniscus</i>	Riedel & Sanfilippo 1978b: 109	Early Pliocene
	<i>Heliodiscus</i>					syn		<i>Heliodiscus echiniscus</i>	Tan & Su 1982: 151	Holocene
	<i>Heliodiscus</i>					syn		<i>Heliodiscus echiniscus</i>	Takahashi 1991: 89	Living
	<i>Heliodiscus</i>					Q		<i>Heliodiscus aff. H. echiniscus</i>	Sugiyama & Furutani 1992: 202	Middle Miocene
	<i>Heliodiscus</i>		1	1	S			<i>Heliodiscus grottensis</i>	Stöhr 1880: 89	[early Late Miocene]
	<i>Heliodiscus</i>					syn		<i>Heliodrymus grottensis</i>	Haeckel 1887: 451	no information given
	<i>Heliodiscus</i>					syn		<i>Heliodiscus grottensis</i>	Mariani & Parona 1887: 145	early Late Miocene
	<i>Heliodiscus</i>		1	1	S			<i>Heliodiscus pertusus</i>	Haeckel 1887: 448	[Quaternary]
	<i>Heliodiscus</i>					syn		<i>Heliodiscus pertusus</i>	Tan & Chen 1999: 206	Pleistocene
	<i>Heliodiscus</i>		1	1	S			<i>Heliodiscus riedeli</i>	Dumitrica 2019: 52	late Middle Miocene
	<i>Heliodiscus</i>		1	1	S			<i>Heliodiscus siculus</i>	Stöhr 1880: 89	[early Late Miocene]
	<i>Heliodiscus</i>					syn		<i>Heliodiscus siculus</i>	Haeckel 1887: 446	[Miocene]
	<i>Heliodiscus</i>		1	1	S			<i>Heliodiscus solaster</i>	Haeckel 1887: 447	Living
	<i>Heliodiscus</i>		1	1	S			<i>Heliodrymus dendrocyclis</i>	Haeckel 1887: 451	Living
	<i>Heliodiscus</i>		1	1	S		Ts	<i>Heliodrymus ramosus</i>	Haeckel 1887: 452	Living
	<i>Heliodiscus</i>		1	1	S			<i>Heliodrymus vimalis</i>	Haeckel 1887: 452	Living
	<i>Heliodiscus</i>		1	1	S		Ts	<i>Heliosestrum octonum</i>	Haeckel 1887: 440	Living
	<i>Heliodiscus?</i>		1	1	S			<i>Sethodiscus macrococcus</i>	Haeckel 1887: 423	[Quaternary]

AVAILABILITY	STATUS (current genus)	IMAGE	F	D	S	syn	Type	ORIGINAL COMBINATION (corrected spelling)	AUTHORSHIP (species)	AGE (original chronostratigraphic occurrence)
	Helioferrusa		1	1	S		T	Helioferrusa hollandei	Dumitrica 2019: 53	late Middle Miocene

AVAILABILITY	STATUS (current genus)	IMAGE	F	D	S	syn	Type	ORIGINAL COMBINATION (corrected spelling)	AUTHORSHIP (species)	AGE (original chronostratigraphic occurrence)
n.d. [inf.]	<i>Phaenicosphaera?</i>	UNFIGURED	0	1	So		Td	<i>Actinomma hexagonium</i>	Haeckel 1887: 252 [only description]	Living
n.d. [inf.]	<i>Phaenicosphaera?</i>	UNFIGURED	0	1	So		Td	<i>Carposphaera cerasus</i>	Haeckel 1887: 73 [only description]	Living
	<i>Phaenicosphaera</i>		1	1	S		T, Ti	<i>Carposphaera nodosa</i>	Haeckel 1887: 76	[Quaternary]
	<i>Phaenicosphaera</i>					syn		<i>Carposphaera nodosa</i>	Blueford 1982: 198	Middle Miocene–early Late Miocene
	<i>Phaenicosphaera</i>	UNFIGURED	0	1	Su			<i>Haliomma entactinia</i>	Ehrenberg 1874b: 235 [only description]	late Middle Eocene
	<i>Phaenicosphaera</i>		1	0	Sf	SYN		<i>Haliomma entactinia</i>	Ehrenberg 1876: 74–75 [figured type]	late Middle Eocene
	<i>Phaenicosphaera</i>					syn		<i>Actinomma entactinia</i>	Stöhr 1880: 93	[early Late Miocene]
	<i>Phaenicosphaera</i>					syn		<i>Actinomma entactinia</i>	Haeckel 1887: 253	Miocene
	<i>Phaenicosphaera</i>					syn		<i>Carposphaera entactinia</i>	Haeckel 1887: 74	
	<i>Phaenicosphaera</i>					syn		<i>Actinomma entactinia</i>	Lucchese 1927: 91	Miocene
	<i>Phaenicosphaera</i>					syn		<i>Haliomma entactinia</i>	Suzuki et al. 2009a	
	<i>Phaenicosphaera</i>					syn		<i>Haliomma entactinia</i>	Ogane et al. 2009b	
	<i>Phaenicosphaera</i>		1	1	S		Ts	<i>Sphaeropyle heteropora</i>	Dreyer 1889: 15	[Quaternary]
	<i>Phaenicosphaera</i>		1	1	S			<i>Stauracantium hirtum</i>	Kozlova in Kozlova & Gorbovetz 1966: 56	Late Eocene
	<i>Phaenicosphaera</i>					syn		<i>Stauracantium hirtum</i>	Kozlova 1999: tab.5	Early Eocene