

**Supplemental Table 2.** List of fossil taxa studied with their traditional subordinal and familial attributions. Excludes ancestrulae of completely unknown identity.

Protoecium pseudopore pattern types are: 1 = no pseudopores; 2 = sparse; 3 = peripheral row; 4 = peripheral row and distomedial pair; 5 = peripheral row plus sparse central; 6 = peripheral band; 7 = central only; 8 = pan-protoecial; n/a = interior walled and therefore lacking pseudopores; iw = interior-walled protoecium lacking pseudopores.

Suborder	Family	Species	Age		
Tubuliporina	Annectocymidae	<i>Annectocyma</i> sp.	Pleistocene	pdt16714	6
	Diaperoeciidae	<i>Diaperoecia</i>	Pleistocene	pdt16188	6
		<i>purpurascens</i>			
	Fasciculiporidae	? <i>Fasciculipora</i>	Pleistocene	pdt16183	1
	Multisparsidae	<i>Idmonea triquetra</i>	Jurassic, Bathonian	pdt18168	?
		<i>Reptomultisparsa</i>	Jurassic, Bathonian	pdt18237	?
		<i>cobergonensis</i>			
		<i>Reptomultisparsa</i>		pdt17684	?
		<i>cobra</i>		,	
				pdt18225	
		<i>Reptomultisparsa</i>	Jurassic, Aalenian	pdt17658	?
		<i>cricopora</i>		,	
				pdt18240	
		<i>Reptomultisparsa</i>	Jurassic, Aalenian	pdt18097	?8
		aff. <i>cricopora</i>		,	
				pdt18099	
		? <i>Reptomultisparsa</i>	Jurassic, Bajocian	pdt18117	?1,
		<i>a oolitica</i>			?3
	Oncousoeciidae	<i>Oncousoecia</i> sp. 1	Jurassic, Callovian	pdt18139	1
				,	
				pdt18141	
				,	
				pdt18142	
				,	
				pdt18144	

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	<i>Oncousoecia</i> sp. 2	Pleistocene	pdt9020	3
	<i>Microeciella</i> sp. 1	Jurassic, Aalenian	pdt18101	?
	<i>Microeciella</i> sp. 2	Jurassic, Aalenian	pdt18113	?
Plagioeciidae	<i>Elaphopora?</i>	Jurassic, Bathonian	pdt18120	?
	<i>enstonensis</i>		,	
			pdt18122	
	<i>Hyporosopora</i>	Jurassic, Bathonian	pdt10651	5
	<i>incrustans</i>		,	
			pdt18084	
			,	
			pdt18193	
			,	
			pdt18245	
			,	
			pdt18148	
			,	
			pdt18196	
			,	
			pdt18151	
			,	
			pdt18197	
			,	
			pdt18199	
			,	
			pdt18200	
			,	
			pdt18202	
			,	
			pdt18203	
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			pdt18205	
			,	
			pdt18211	
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		pdt18212	
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		pdt18213	
<i>Hyporosopora</i>	Jurassic, Bathonian	pdt17681	?3,
<i>parvipora</i>		,	?5
		pdt18170	
		,	
		pdt18180	
		,	
		pdt18172	
		,	
		pdt18182	
		,	
		pdt18173	
		,	
		pdt18184	
		,	
		pdt18175	
<i>Hyporosopora</i>	Jurassic, Tithonian	pdt18228	8
<i>portlandica</i>		,	
		pdt18231	
		,	
		pdt18105	
		,	
		pdt18186	
		,	
		pdt18109	
		,	
		pdt18189	
		,	
		pdt18110	
		,	
		pdt18191	
<i>Hyporosopora</i> sp.	Jurassic,	pdt17631	?

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	1 [La Rochelle, France]	Kimmeridgian		
	aff. <i>Liripora</i> [Kuromatsunai, Japan]	Pleistocene	pdt10934	2
	<i>Mesonopora</i> <i>concatenata</i>	Jurassic, Bathonian	pdt17590 , pdt17592 , pdt17594 , pdt18130 , pdt18132 , pdt18134 , pdt18135	5
	<i>Theonoo</i> sp.	Jurassic, Aalenian	pdt18242	?
Stomatoporidae	<i>Proboscino</i> <i>p</i> <i>ora</i> <i>divisi</i>	Jurassic, Bathonian	pdt18126	?
	<i>Proboscino</i> <i>p</i> <i>ora</i> cf. <i>divisi</i>	Jurassic, Bathonian	pdt18089	?
	<i>Proboscino</i> <i>p</i> <i>ora</i> sp. 1	Jurassic, Bathonian	pdt17596 , pdt17489 , pdt17663	?8
	<i>Proboscino</i> <i>p</i> <i>ora</i> sp. 2	Jurassic, Bajocian	pdt18252	?
	<i>Stomatopora</i> cf. <i>bajocensis</i>	Jurassic, Bathonian	pdt17328 , pdt17330	1
	<i>Stomatopora</i>	Jurassic, Bathonian	pdt17636	?1

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	<i>cunningtoni</i>			
	<i>Stomatopora</i>	Jurassic,	pdt5138,	7/
	' <i>dichotomoides</i> '	Aalenian/Bathonian	pdt18250	8
		n	,	
			pdt18087	
			,	
			pdt5161,	
			SP7 975	
	<i>Stomatopora</i> sp. 1	Jurassic, Bathonian	pdt17609	1
			,	
			pdt18235	
	<i>Stomatopora</i> sp. 2	Jurassic, Bathonian	pdt18217	7
	<i>Stomatopora</i> sp. 3	Jurassic,		
	[Zalas, Poland]	Bathonian/Callovia	pdt13238	1
		n		
Incertae sedis	' <i>Bereniced</i> ' sp. 1	Jurassic, Bathonian		
			pdt17600	?
	' <i>Bereniced</i> ' sp. 2	Jurassic, Bathonian		
			pdt17604	?2,
				?5
	' <i>Bereniced</i> ' sp. 3	Jurassic, Bathonian	pdt18221	1
			,	
			pdt18223	
			,	
			pdt18092	
			,	
			pdt18094	
	' <i>Bereniced</i> ' sp. 4	Cretaceous, Albian	pdt17629	?
	<i>Prosthenoeia</i> sp.	Pleistocene	pdt8882	
				1

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