

Character	O.spathifer	O.montana	O.mitrephora	O.gibbosa	O.odissea	Original O.supplicans	Christodoulou et. al Sp.1	Christodoulou et. al Sp.28
Region	S Pacific; E/W	W Pacific	N Atlantic; E/W	S Indian Ocean	NW Pacific	SE Pacific	E Pacific	E Pacific
Depth [m]	216-1017	1230-3070	902-3440	4207	700-750	3285	4340	4340
Lateral arm plate		missing	missing			missing		
elongated	x						x	x
short								
holey stereom	x				x		x	x
dense structure			x	x				
Umbrella spine articulation						missing		
one row	x	?		x				
two rows			x		x			
more than 2 rows							x	
no rows/grape structure								x
space inbetween the articulations				x	x			x
no space inbetween the articulations	x						x	
forms conspicuous ridge		x	x					x
forms a flat ridge	x			x	x		x	
Umbrella spine						missing		
size	~400µm	~300µm	~400µm	~400µm	~250µm		200-400µm	100-200µm
stable	x		x	x				x
fragile		x			x			
Umbrella spine teeth						missing		
one row	x		x	x				x
two rows		x			x		x	
short		x		x	x		x	x
long	x		x					
thin		x			x		x	x
broad	x		x	x				
Number of teeth	10-18	<10	12	10-13	>10		~12	~13
Arm vertebrae		missing	missing		missing	missing		
holey stereom		x					x	x
dense stereom	x			x				
conspicuous muscle attachments	x	x					x	x
no conspicuous muscle attachments				x				
long "rabbit ears"	x						x	
short "rabbit ears"		x		x				x
Arm spine								
size	~500µm	~100µm		~500µm			400 µm	~300 µm
Number of spines	4-7	4	5	?	?	3	3-4	3
smooth			x					
Spiny				x	x		x	x
in row with umbrella spines	x	?	x				x	x
lower than umbrella spines		?			x			
Dorsal arm plate		missing						
triangular	x		x		x		x	
round							x	
separated			x	x	x		x	x
heart shaped				x				
Disk		missing?		missing	missing	missing		missing
naked	x							
skin				x				
with spines			x	x				
plates broad and round								
plates scaly	x		x		x		x	
Disk spines								
no	x							
rare			x			x	x	
numerous				x	x			
segregate					x		x	
pointed							x	
in rows on the disc								
overall on the disc			x					
Mouth								
Mouth papillae	Broder when distal, variable in number	2 thin IP close to AP and three longer than broad	on the jaw pointed and in row with the more distal, broad ones			8-10 thin and narrow, in row with AP, Thicker on the base of the oral plate	not in row with AP, all the same size	
Apical papillae		1 pointed					1 pointed	
Teeth		2 pointed				3 acute spine-like teeth	3 Teeth broad	
Specimens observed	ZMMU D-1014	ZMMU D-1012	ZMMU D-1010	ZMMU D-1009	ZMMU D-1013	Holotype in London	AB2 FB1 13 21	NHM 6210
	ZMMU D-1015					Reg. 1882.12.23.429	MA13 85 34	NHM 7356
							MA13 90 18	DSB 6408
							MA13 KG 97	AB 12 13 (just Disc)
							SQ239 50 5	NHM 1673
							DSB 6410	