

POLYDORA OF CALIFORNIA
(based on Blake 1996)

October 1996

Species	Prostomium shape	Eyes	Median antenna (+/-)	Caruncle extends to	Branchiae begin, end	Pygidium shape	Pigmentation	Other Characters	Habitat
<i>cirro</i> Rioja, 1943	incised	4	+	3	7	?	?	notopodial postsetal lobes of setiger 1 long	Oceanside, Pacific Mexico; to 9m
<i>cornuta</i> (syn=ligni) Bosc, 1802	bilobed	4	+	3	7-near end	large, flaring disk, mid-dorsal gap	none		Forms mud tubes; surface fouling, may be commensal on oysters
<i>nuchalis</i> Woodwick 1953	incised	4	+	posterior margin of 2	7-near end	broadly flaring disk, wide open dorsal notch	translucent yellow w/ dusky sheen		Lagoons; intertidal; may occur in dense assemblages
species A may be <i>cirro</i>	incised	+/-	+	setiger 3	7 - near end	flaring disk open dorsally w/papillae	adults: none; juvs.:black spots between neuro/noto lobes or paired dorsal-lateral spots between lobes, black papillae and pigment on pygidial rim		Oceanside, Solana Beach 7-16 m
<i>brevipalpa</i> Zachs 1933	rounded	4	-	middle of set. 3/4	7 - long	disc-like w/ dorsal notch	palps with distinct black bands		Common in calcareous habitats; intertidal
<i>limicola</i> Annenkova 1934	slight incision	4	-	nuchal ridge to 2-4	7-?	disc-like w/ dorsal notch	pale w/ black diffusions; palpi & segments 2-4 w/ black bars lateral edges of prost. dark		Intertidal in <i>Mytilus</i> beds; forming large masses on rocks
<i>pygidialis</i> Blake & Woodwick 1972	rounded	0-4	-	posterior margin 2	7 through 2/3 's of body	broad terminal end, strongly scoop-shaped open dorsally	light tan; anterior end slightly dusky		Hermit crab shells; piling material
<i>rickettsi</i> (Woodwick 1961)	narrow & rounded	0	-	anterior margin to 5th	7	disklike w/dorsal notch	brown along edges of prostomium and posterior body		<i>Spirobranchus</i> tube; gastropod shells Cape San Lucas; Chile
<i>websteri</i> Hartman 1943	weakly incised	4	-	middle to end of 3rd	7 to posterior 15-16 segments	flaring disk-like w/dorsal notch	palps w/ black line along margins, ciliated grooves		Burrows in clam & oyster shells; intertidal and in lagoons; common in central Calif.
sp. of Blake 1996	rounded	0	-	setiger 4 w/ lateral cilia	7	?	black pigmented areas on palps; laterally on anterior setigers and border of caruncle		calcareous structures 30-60m

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Species	Spine type setae, set 5	Companion setae (+/-) and type	Superior / inferior setae (+/-)	Neuropodial hooks begin	Posterior notopodial spine type
<i>cirrosa</i> Rioja, 1943	falcate w/ subdistal concavity	+ plumose	-/-	7 (see Blake 1983)	none
<i>cornuta</i> Bosc, 1802	weakly falcate w/ small secondary tooth	+	-/-	7	none
<i>nuchalis</i> Woodwick 1953	8-10 thick falcate spines	+ bristled, plumose	+/+	7	none
species A may be <i>cirrosa</i>	falcate, subdistal flange or boss, flaring	+	-/-	7	none
<i>brevipalpa</i> Zachs 1933	w/ lateral flange	+	-/+ (Radashevsky 1993) ?/- (Imajima & Sato 1984)	7	none
<i>limicola</i> Annenkova 1934	thick falcate spines w/ accessory tooth	+	+/+	7	none
<i>pygidialis</i> Blake & Woodwick 1972	falcate w/ large lateral accessory tooth	+ pennoned	+/+	7	none
<i>rickettsi</i> (Woodwick 1961)	falcate w/ sharply curved accessory tooth w/lateral flange, 5th overlapping 6 & 7th	+	+/+ (see Woodwick 1963)	7 (4-5)	none
<i>websteri</i> Hartman 1943	falcate w/ lateral flange 1 subdistal concavity, 7-9	+	+/+ (see Woodwick 1961)	7(8)	none
sp. of Blake 1996	falcate w/ accessory tooth or flange	+	+/+	7	none

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<i>bioccipitalis</i> Blake & Woodwick, 1972	deeply notched	4	2	posterior margin of 2nd (set. 5 - Blake 1996)	7-near end	thickened disk w/dorsal gap	none		Hermit crab shells
<i>heterochaeta</i> Rioja 1939	entire	4	-	end of 2	7-16	cuff-like w/ bacillary glands	paired bars on dorsum of 3-4; midorsal tandem spots 7-11		Silty sand
<i>narica</i> Light, 1969	slight notch	0	-	anterior of 5	7- 25th from end	broad disk; middorsal notch	pigment along either side of prostomial ridge; barred palpi w/dark bases; segs 1-4 barred		Commensal w/ ampharetids; Monterey Bay only, 30-60 m
<i>spongicola</i> Berkeley & Berkeley 1950	rounded may be weakly incised	4	-	2-5	7-8 to 10th from end	narrow collar, slight middorsal notch	none		Commensal w/ sponges intertidal to slope depths in mixed sediments
<i>alloporsis</i> Light, 1970	"roll of tissue"	2	-	4 / 5	7-pygidium	widely flaring disc deep dorsal cleft many small post papillae, silver disc color	median and post segments		in <i>Allopora californica</i>

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<i>bioccipitalis</i> Blake & Woodwick, 1972	ite w/ 3 accessory structures ! teeth and a curved fang)	+	-/+? (see Blake and Woodwick '72)	9(10-14) (1-9)	none
<i>heterochaeta</i> Rioja 1939	giant single falcate with groove, nted spine w/ subterminal inflated portion, 2-3 falcate w/ large access. tooth	+	+/+	9 (7?)	none
<i>narica</i> Light, 1969	falcate w/ lateral tooth and flange on concave side	+	+/+	7	none
<i>spongicola</i> Berkeley & Berkeley 1950	4 very thick falcate, ubterminal collar on concave side 5th overlapping 6&7th	-	+/+	7 (6-7)	none
<i>allopbris</i> Light, 1970	6-7(8) distally falcate, concavity bordered by collar and flange laterally and ventrally	+ lanceolate to spiney clubs	+/+	7 (2-3)	none

Red ink indicates characters that the species have in common