

SELECTED CHARACTERS OF NORTHEAST PACIFIC EXOGONE

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CHARACTER	ACUTIPALPA Kudenov & Harris 1995	BREVISETA Kudenov & Harris 1995	DWISULA Kudenov & Harris 1995	LOUREI Berkeley & Berkeley 1938
source	Kudenov & Harris 1995	Kudenov & Harris 1995	Kudenov & Harris 1995	Kudenov & Harris 1995
eyes	4 large, lensed; 2 small	4, large, lensed (frequently divided); 2, small eyespots	4, large, lensed	2 pairs, anterior pair lensed
antennae	originate together, between large eyes; median at least as long as palps, and 4x (up to 10x) length of laterals	originate together between posterior eyes; median twice as long as pro- stomium & 2-5x length of laterals	originate separately, median posterior to laterals; median 2x prostomium length, and 1.5-2x length of laterals	all 3 arise together, anterior to eyes; median as long as prostomium & 2-3x length of laterals
palps	long and pointed	long and pointed	broad, rounded	long, usually distally blunt
dorsal cirri on setiger 2	no	no	no	yes
flaps over eyes	no	no	no	no
pharynx	in setigers 1-4	through setigers 6 (8)	usually through setigers 2-3	usually in 3 segments
proventriculus	in setigers 5-7	setigers 7-8 or 8-9	in 2.5 segments, usually setigers 3-5.5	usually in 4-5 segments (range: from 2 to 7 segments long)
muscle rings	20-23 rows	20-23 rows	14-16 rows	usually 18-24 (range: 16 to 30)
length/width provent.				
dorsal simple seta	present from setiger 1, distally pointed, unidentate, becoming bidentate in posterior	present from setiger 1, slightly bifid at first then becoming strongly bifid in posterior	present from setiger 1, with abruptly tapered tips & transverse rows of spines	present from setiger 1, slender, unidentate, distally bent
ventral simple seta	posteriormost segments, distally pointed	from median body, distally bifid	from midbody, bifid, with subdistal serrations	median & posterior setigers; distally bidentate & curved
aciculum	1, tip curved	1, distally bent tip	1 (2), distally enlarged blunt heads	1 (2) distally enlarged blunt heads
compound setae	12-15 in anterior, 6-8 in median, 4-6 in posterior; blades with reduced subdistal tooth, heavily serrated; superior blades 3x length of inferior blades, size of blades gradually decreasing	all short falcigers, strongly serrated, distally bifid; superior slightly less than 2x length of inferior	1) in setigers 1-3, falcigers with deeply bifid blades, smooth, subequal; 7-10 per fascicle 2) setiger 4 on: 1-2 superiormost, narrow-bladed spinigers 3) setiger 4 on: 3-2 falcigers with short, comblike, bidentate blades with large primary tooth	1) 1-2 long, superior, spinigers; shafts in set. 2 (sometimes 1) enlarged 2) 2-5 short, distally bidentate falcigers; primary tooth terminal, smaller than secondary tooth
swimming setae		found in setigers 11-27 (1 specimen)	present from setigers 8-9	begin setigers 13-15
internal reproductive products		present from setigers 9-10 to near end of body	present from setigers 8-9	usually in setigers 10-14, can occur in setigers 8-28
attachment of gametes			present from setigers 8-9	
distribution	Southern California	Southern California	Southern California & NE Pacific	Pacific Mexico to British Columbia; ? Pacific rim; ? tropical Atlantic

Exogone naidinoides Westheide has been reported from Japan, Point Barrow, Alaska (Westheide 1974), and Mexico (LHH).

Exogone occidentalis Westheide has been reported from Japan (Westheide 1974), southern California and Mexico (LHH)

Exogone longicornis Westheide has been reported from Orcas Island, Washington (Westheide 1974).

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CHARACTER	MOLESTA
	Banse 1972
source	Kudneov & Harris 1995
eyes	4, large
antennae	originate together between anterior eyes; median as long as palps, & 7-10x length of laterals
palps	long, distally pointed
dorsal cirri on setiger 2	no
flaps over eyes	no
pharynx	usually through setigers 3-4
proventriculus	in 4-4.5 segments
muscle rings	20 rows
length/width provent.	
dorsal simple seta	present from setiger 1, distally pointed
ventral simple seta	far posterior, usually unidentate, sometimes bidentate
aciculum	1, distally blunt, knob-tipped
compound setae	12 in anterior, 6 in median, 4 in posterior; anterior superior blades 3-4x length of middle & inferior blades, abrupt difference between two size-groups; anterior blades unidentate or subbidentate, becoming more bidentate posteriorly; all serrated
swimming setae	present from setiger 11
Internal reproductive products	present from setiger 11
attachment of gametes	
distribution	California & NE Pacific