



**Key to the Family Spionidae of SCAMIT (Ed. 15) and Local Provisional Species**

Modified from MMS Atlas and Lovell & Pasko Spionidae Key

**Definitions**

MGS - Methyl Green Stain

C# - Chaetiger Number

HH - Hooded Hooks

NoHH - Notopodial Hooded Hooks

NeHH - Neuropodial Hooded Hooks

SC - Sabre Chaetae

- |  |                           |  |
|--|---------------------------|--|
| 1a. Branchiae absent; chaetiger 1 with 1 - 2 large, recurved neuropodial hooks in addition to capillary chaetae  | genus <i>Spiophanes</i> - | 2  |
| 1b. Branchiae present; chaetiger 1 without large neuropodial hooks   | -----                     | 7  |
| 2a. (1a) Prostomium bell or "T"-shaped, with short or long lateral projections; prostomium without pigment spot; median antennae present or absent   | -----                     | 3  |
| 2b. Prostomium rounded anteriorly, without lateral projections; prostomium with medial orange pigment spot; median antennae absent; nuchal organs as dorsal loops extending to chaetiger 4 |                           | <i>Spiophanes wigleyi</i><br>Pettibone, 1962       |
| 3a. (2a) Prostomium "T"-shaped with lateral projections  | -----                     | 4  |
| 3b. Prostomium bell shaped without lateral projections   | -----                     | 5  |
| 4a. (3a) Eyes present; nuchal organs to chaetiger 2  |                           | <i>Spiophanes norrisi</i><br>Meißner & Blank, 2009 |
| 4b. Eyes absent; nuchal organs as grooves to chaetiger 3, then segmental grooves to mid-body   |                           | <i>Spiophanes anoculata</i><br>Hartman, 1960       |
| 5a. (3b) Median antennae present   | -----                     | 6  |
| 5b. Median antennae absent; chaetal spreader type "2+3"; nuchal organs are close-set, extending to chaetiger 12-13; MGS with a speckled ventral stain from chaetigers 3 or 4-8             |                           | <i>Spiophanes duplex</i><br>(Chamberlin, 1919)     |

**\*\* note 3 choices \*\***

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|--|--|
| 6a. (5a) Chaetal spreader type "0+1"; nuchal organs thin & set apart, extends to chaetiger 8-11; <b>MGS</b> with 3 mid-ventral stripes on anterior chaetigers, without a dark band on chaetiger 8, prostomium & peristomium unstained                    | <i>Spiophanes fimbriata</i><br>Moore, 1923           |
| 6b. Chaetal spreader type "1+2"; nuchal organs set apart at chaetiger 1, converging at chaetiger 3-4, then spreading apart; <b>MGS</b> with 3 mid-ventral stripes in anterior & a dark band on ventrum of chaetiger 8, forming a "T" on anterior ventrum | <i>Spiophanes berkeleyorum</i><br>Pettibone, 1962    |
| 6c. Chaetal spreader type "2+3"; nuchal organs thick, parallel lines extending to chaetiger 12-13; <b>MGS</b> with 3 mid-ventral stripes on chaetigers 1-8, without a dark band on chaetiger 8, prostomium and lateral peristomium staining              | <i>Spiophanes kimballi</i><br>Meißner, 2005          |
| 7a. (1b) chaetiger 5 not modified, without specialized chaetae   | ----- 8  |
| 7b. chaetiger 5 modified, with specialized chaetae   | <b>Polydorid Complex - 44</b>                        |
| 8a. (7a) Notopodial postsetal lamellae of first 2 - 3 parapodia with 1 or more lobes; accessory branchiae present  | genus <i>Dispio</i> - 9                              |
| 8b. Notopodial postsetal lamellae of anterior parapodia entire; accessory branchiae absent   | ----- 10   |
| 9a. (8a) Accessory branchiae present from chaetiger 22-26; prostomium rounded at anterior edge with slight lateral expansions  | <i>Dispio uncinata</i><br>Hartman, 1951              |
| 9b. Accessory branchiae present from chaetiger 11-15; prostomium tapers to sharp point at anterior edge  | <i>Dispio</i> sp SD1<br>Rodríguez-Villanueva, 2018 § |
| 10a. (8b) Branchiae limited to middle and posterior chaetigers, except for a single pair on chaetiger 2 in males   | genus <i>Pygospio</i> - 11                           |
| 10b. Branchiae from chaetiger 1 or 2 and continuing for a variable number of chaetigers  | ----- 12   |
| 11a. (10a) Branchiae first present from chaetiger 17 - 21  | <i>Pygospio californica</i><br>Hartman, 1936         |
| 11b. Branchiae first present from chaetiger 11 - 12  | <i>Pygospio elegans</i><br>Claparède, 1863           |
| 12a. (10b) Prostomium conical, distally pointed, occasionally blunt with minute point, or conical and distally tapering  | ----- 13   |
| 12b. Prostomium with distal lateral or frontal horns, broadly rounded, or incised on anterior margin   | ----- 18   |
| 13a. (12a) Branchiae fused to dorsal lamellae at least basally, continuing to end of body  | genus <i>Scolelepis</i> - 14                         |
| 13b. Branchiae completely free from dorsal lamellae, present on a variable number of anterior chaetigers, absent posteriorly   | <i>Aonides</i> sp SD1<br>Langan, 2002 §              |

14a. (13a) Hooded hooks with curved shaft bearing long, pointed main fang oriented at approximately 90-100° angle to shaft, bearing 2 - 6 sharply pointed apical teeth	subgenus ( <i>Parascolelepis</i> ) - 15
14b. Hooded hooks with more or less straight shaft bearing short, falcate main fang oriented at an angle greater than 120° to shaft, surmounted by 0 - 2 small apical teeth	subgenus ( <i>Scolelepis</i> ) - 16
15a. (14a) Notochaetae present on chaetiger 1; <b>NeHH</b> from C15-16	<i>Scolelepis (Parascolelepis) tridentata</i> (Southern, 1914)
15b. Notochaetae absent on chaetiger 1; <b>NeHH</b> from C13-27	<i>Scolelepis (Parascolelepis) texana</i> Foster, 1971
16a. (14b) Notochaetae present on chaetiger 1; branchiae without swollen tips; <b>HH</b> with 0 - 3 apical teeth	----- 17
16b. Notochaetae absent on chaetiger 1; branchiae tips swollen, with glandular enlargement; <b>HH</b> with 0 - 2 apical teeth	<i>Scolelepis (Scolelepis) bullibranchia</i> Rossi, 1982
17a. (16a) Branchiae fused basally; <b>HH</b> with 2 - 3 apical teeth	<i>Scolelepis (Scolelepis) squamata</i> (O. F. Müller, 1806)
17b. Branchiae fused along most of its length, only tips free; <b>HH</b> with 0 - 2 small apical teeth	<i>Scolelepis (Scolelepis) occidentalis</i> (Hartman, 1961)
18a. (12b) Prostomium with lateral or frontal horns	----- 19
18b. Prostomium truncate, rounded or incised on anterior margin, without lateral or frontal horns	----- 20
19a. (18a) Branchiae from chaetiger 1	<i>Malacoceros indicus</i> (Fauvel, 1928)
19b. Branchiae from chaetiger 2	<i>Rhynchospio arenicola</i> Hartman, 1936
20a. (8ba) Branchiae present over most of the body	----- 21
20b. Branchiae present anteriorly only, for variable number of chaetigers	----- 31
21a. (20a) Branchiae from chaetiger 1	----- 22
21b. Branchiae from chaetiger 2	----- 26
22a. (21a) Prostomium distally entire; anterior neurochaetae without pseudoaristate spines; posterior <b>NeHH</b> with small secondary tooth distal	genus <i>Spio</i> - 23
22b. Prostomium incised anteriorly; neurochaetae of some anterior chaetigers with pseudoaristate chaetae; posterior <b>NeHH</b> with subdistal secondary tooth	<i>Pygospioopsis fauchaldi</i> (Lovell, 1994)

23a. (22a) Branchiae of chaetiger 1 smaller than or equal to length of chaetiger 2, similar in appearance	-----	24
23b. Branchiae of chaetiger 1 at least 2 times longer than branchiae of other chaetigers, with expanded, lobed and ciliated tips, following branchiae cirriform, without expanded tips		<i>Spio maciolekae</i> Blake, 1996
24a. (23a) Hooded hooks bidentate	-----	25
24b. Hooded hooks tridentate; prostomium narrow, rounded anteriorly; Branchiae of chaetiger 1 distinctly shorter than those of chaetiger 2		<i>Spio maculata</i> (Hartman, 1961)
25a. (24a) Prostomium blunt to weakly incised on anterior margin		<i>Spio filicornis</i> (O. F. Müller, 1776)
25b. Prostomium pointed, entire on anterior margin		<i>Spio butleri</i> Berkeley & Berkeley, 1954
26a. (21b) Interramal pouches present		genus <i>Laonice</i> - 27
26b. Interramal pouches absent		genus <i>Microspio</i> - 29
27a. (26a) Interramal pouches present anterior to chaetiger 10	-----	28
27b. Interramal pouches present from chaetigers 18 - 26; notochaetae sparse, pale yellow		<i>Laonice cirrata</i> (M. Sars, 1851)
28a. (7ab) Interramal pouches present from chaetigers 7 - 8; notochaetae dense, brassy colored		<i>Laonice nuchala</i> Blake, 1996
28b. Interramal pouches present from chaetiger 3; notochaetae dense, pale yellow		<i>Laonice</i> sp A Harris, 2005
29a. (26b) Prostomium rounded; notochaetae present on chaetiger 1	-----	30
29b. Prostomium bilobed; notochaetae absent on chaetiger 1; prostomium without pigment spot		<i>Microspio microcera</i> (Dorsey, 1977)
30a. (29a) Neuropodial hooded hooks bidentate; prostomium with pigment patch		<i>Microspio</i> sp DC1 Phillips, 2017 §
30b. Neuropodial hooded hooks multidentate; prostomium with prominent pigment patch		<i>Microspio pigmentata</i> (Reish, 1959)
31a. (20b) Branchiae from chaetiger 1	-----	32
31b. Branchiae from chaetiger 2		genus <i>Prionospio</i> - 33
32a. (31a) One pair of apinnate branchiae, with dorsal ridge on chaetiger 2		<i>Streblospio benedicti</i> Webster, 1879
32b. Three pairs of pinnate branchiae, with dorsal ridge on chaetiger 1		<i>Paraprionospio alata</i> (Moore, 1923)
33a. (31b) Branchiae all cirriform, 6 or more pairs	-----	34
33b. Branchiae a combination of pinnate and cirriform, 4 or 5 pairs	-----	39

34a. (33a)	Prostomium rounded with 5 marginal peaks and 1 - 2 pairs of small eyes or eyes absent; 6 - 12 pairs of branchiae	-----	35
34b.	Prostomium rounded without peaks and 2 pairs of large eyes; 9-11 pairs of branchiae	-----	38
<b>** note 3 choices **</b>			
35a. (34a)	6-10 pairs of branchiae, anterior branchiae longer than posterior branchiae; <b>SC</b> from C11-13; <b>NoHH</b> from C17-32; <b>NeHH</b> from C12-16; dorsal crests present, slight	-----	36
35b.	6-12 pairs of branchiae, all branchiae short, only extending back 2-3 segments; <b>SC</b> from C12-14; <b>NoHH</b> from C25-40; <b>NeHH</b> from C13-18; dorsal crests absent		<i>Prionospio lighti</i> Maciolek, 1985
35c.	10 pairs of branchiae, all branchiae long, cirriform, extending back over many segments; <b>SC</b> from C13; <b>NoHH</b> not observed; <b>NeHH</b> from C21; <b>HH</b> with at least 3 rows of apical teeth above main fang		<i>Prionospio</i> sp A Blake, 1996
36a. (35a)	Anterior branchiae only slightly longer than posterior branchiae; <b>HH</b> with 2-4 pairs of small teeth above main fang	-----	37
36b.	Anterior branchiae much longer than posterior branchiae, extending back 6-7 segments, median branchiae moderate in length, posterior branchiae only slightly longer than notopodial lamellae; <b>SC</b> from C11-13; <b>NoHH</b> from C26-32; <b>NeHH</b> from C13-16; <b>HH</b> with 5 pairs of small teeth above main fang		<i>Prionospio</i> sp D SCAMIT, 2026 §
37a. (36a)	2 pairs of small eyes; 8-10 pairs of branchiae, 1st pair ~2X longer, rest short, only slightly longer than notopodial lamellae; <b>SC</b> from C12-13; <b>NoHH</b> from C24-27; <b>NeHH</b> from C15; <b>HH</b> with 2 pairs of small teeth above main fang		<i>Prionospio</i> sp LA2 Haggin, 2026 §
37b.	2 pairs of small eyes; 8-10 pairs of branchiae, 1st pair ~2X longer, rest short, only slightly longer than notopodial lamellae; <b>SC</b> from C12-13; <b>NoHH</b> from C24-27; <b>NeHH</b> from C15; <b>HH</b> with 2 pairs of small teeth above main fang		<i>Prionospio</i> sp LA3 Haggin, 2026 §
38a. (34b)	2 pairs of large black eyes; 9-10 pairs of branchiae, all short, barely longer than notopodial lamellae; <b>SC</b> from C11-12; <b>NoHH</b> from C37-40; <b>NeHH</b> from C14-16; <b>HH</b> with 4 pairs of small teeth above main fang		<i>Prionospio multibranchiata</i> E. Berkeley, 1927
38b.	3 pairs of large blacke eyes; 11 pairs of branchiae, 1st pair ~2X longer; <b>SC</b> from C14; <b>NoHH</b> from C31; <b>NeHH</b> from C16; <b>HH</b> with 3-4 pairs of small teeth above main fang		<i>Prionospio</i> sp E SCAMIT, 2026 §
39a. (33b.)	First pair of branchiae pinnate, pinnules digitiform	-----	40
39b.	First pair of branchiae cirriform, fourth pair pinnate with flat, plate-like pinnules; <b>SC</b> from C11-21; <b>NoHH</b> from C18-34; <b>NeHH</b> from C13; <b>HH</b> with 6-8 apical teeth above main fang		<i>Apoprionospio pygmaea</i> (Hartman, 1961)

40a. (39a) Branchial pairs 2 and 3 cirriform; interramal pouches absent	-----	41
40b. Branchial pairs 2, 3 and 4 cirriform, interramal pouches present from chaetigers 4 - 5; <b>SC</b> from C19-20; <b>NoHH</b> from C51; <b>NeHH</b> from C21; <b>HH</b> with 6 pairs of small teeth above main fang		<i>Prionospio</i> sp F SCAMIT, 2026 §
41a. (40a) Four pairs of branchiae, pairs 1 and 4 pinnate	-----	42
41b. Five pairs of branchiae, pairs 1, 4 and 5 pinnate; <b>SC</b> from C16; <b>NoHH</b> from C54; <b>NeHH</b> from C14; <b>HH</b> with 4 pair of small teeth above main fang		<i>Prionospio newportensis</i> Reish, 1959
42a. (41a) Branchial pairs 1 and 4 pinnate, subequal, or with the fourth pair longer than the first	-----	43
42b. Branchial pairs 1 and 4 pinnate, first pair 2 - 3 times longer than the fourth pair; <b>SC</b> from C13-14; <b>NoHH</b> from C42-65; <b>NeHH</b> from C14-16; <b>HH</b> with 4 apical teeth above main fang		<i>Prionospio</i> sp B SCAMIT, 1991 §
43a. (42a) Branchial pairs 1 and 4 subequal; dorsal crest present from C7-9; <b>SC</b> from C10; <b>NoHH</b> from not observed; <b>NeHH</b> from C14; <b>HH</b> with 4-6 pairs of apical teeth above main fang; <b>MGS</b> intense in post-branchial chaetigers		<i>Prionospio</i> sp C SCAMIT, 2026 §
43b. Branchial pairs 1 and 4 unequal, fourth branchial pair 2 - 3 times longer than the first; dorsal crest present from C6; <b>SC</b> from C10-11; <b>NoHH</b> from C45-50; <b>NeHH</b> from C13-16; <b>HH</b> with 4-6 pairs of apical teeth above main fang; <b>MGS</b> weak in post-branchial chaetigers		<i>Prionospio jubata</i> Blake, 1996
44a. (7b) Branchiae present from chaetiger 2	-----	45
44b. Branchiae first present after chaetiger 5	-----	49
45a. (44a) Modified spines of chaetiger 5 of 2 types: one w/ expanded end bearing cusps or bristles, second simple, falcate		genus <i>Boccardia</i> - 46
45b. Modified spines of chaetiger 5 of 1 type: simple, falcate, with bilimbate companion chaetae; prostomium deeply incised; anterior branchiae present on chaetigers 2, 3, 6 & 7		<i>Boccardiella hamata</i> (Webster, 1879)
46a. (45a) Prostomium rounded on anterior margin	-----	47
46b. Prostomium incised on anterior margin	-----	48
47a. (46a) Neuropodial hooded hooks present from chaetiger 7		<i>Boccardia proboscidea</i> Hartman, 1940
47b. Neuropodial hooded hooks present from chaetiger 8		<i>Boccardia columbiana</i> Berkeley, 1927

48a. (46b) Branchiae of chaetigers 2-4 short, not reaching dorsal midline, fused basally to notopodial lamellae, present to mid-body; caruncle extends to end of chaetiger 3; pygidium a semicircular disk with a pair of terminal papillae	<i>Boccardia basilaria</i> Hartman, 1961
48b. Branchiae of chaetigers 2-4 long, reaching dorsal midline, not fused basally to notopodial lamellae, present until posterior of body; caruncle extends to end of chaetiger 2; pygidium as 4 rounded, glandular lobes	<i>Boccardia pugettensis</i> Blake, 1979
49a. (44b) chaetiger 5 slightly to moderately modified, usually w/ well developed parapodia; major spines of 2 types: first simple, acicular or falcate, second pennoned with both types usually arranged in a "U" or "J" shaped double row; <b>NeHH</b> with secondary tooth closely applied to main fang	genus <i>Pseudopolydora</i> - 50
49b. chaetiger 5 greatly modified; major spines of 1 or 2 types in a curved row, not "U" or "J" shaped; <b>NeHH</b> with prominent angle between teeth	----- 51
50a. (49a) Prostomium bilobed	<i>Pseudopolydora kempii</i> (Southern, 1921)
50b. Prostomium rounded; occipital antennae present on caruncle as a nuchal cirrus	<i>Pseudopolydora paucibranchiata</i> (Okuda, 1937)
51a. (49b) Modified spines of chaetiger 5 of 1 type, variously shaped□	----- 52
51b. Modified spines of chaetiger 5 of 2 types: first with expanded ends, second type falcate, one or both types usually covered with bristles.□	<i>Carazziella</i> sp A SCAMIT 1995 §
52a. (51a) Notochaetae absent on chaetiger 1; <b>NeHH</b> w/ constriction and manubrium on shaft, main fang at more or less right angle to shaft and wide angle w/ apical tooth; anterior part of digestive tract never interrupted by gizzard-like structure□	genus <i>Polydora</i> - 53
52b. Notochaetae present on chaetiger 1; <b>NeHH</b> with smooth, curved shafts, main fang directed more apically, forming wide angle with shaft and a reduced angle with apical tooth; anterior part of digestive tract sometimes interrupted by gizzard-like structure□	genus <i>Dipolydora</i> - 63
53a. (52a) Hooded hooks from chaetiger 9 or more posteriorly	----- 54
53b. Hooded hooks from chaetiger 7	----- 55

54a. (53a) Prostomium deeply notched along anterior margin, with 1 or 2 occipital antennae; major spines of chaetiger 5 falcate, with 3 accessory structures: prominent tooth, small lateral accessory tooth, and thin, curved flange extending between both teeth and connecting curved falcate tip with shaft		<i>Polydora bioccipitalis</i> Blake & Woodwick, 1972
54b. Prostomium entire along anterior margin, occipital antennae absent; major spines of chaetiger 5 of 2 or 3 types: one very large, simple falcate spine with longitudinal groove, another narrow distally pointed with subterminal swelling, and 2 - 3 large, falcate spines, each with large accessory tooth		<i>Polydora heterochaeta</i> Rioja, 1939
55a. (53b) Major spines of chaetiger 5 with transverse subterminal collar or shelf on concave side, sometimes surrounding distinct concavity, lateral teeth sometimes present	-----	56
55b. Major spines of chaetiger 5 either simple, without accessory structures, or with subterminal tooth or thin flange sometimes oriented obliquely between curved tip of spine and main shaft	-----	57
56a. (55a) Prostomium weakly incised along anterior margin, sometimes turned ventrally, appearing entire from dorsum; narrow caruncle extending to end of chaetiger 2; major spines with large, prominent subterminal collar, appearing as 2 large teeth in lateral view		<i>Polydora spongicola</i> Berkeley & Berkeley, 1950
56b. Prostomium blunt along anterior margin; large, swollen caruncle extending to chaetiger 4; major spines with subterminal shelf and distinct lateral tooth		<i>Polydora narica</i> Light, 1969
57a. (55b) Prostomium with occipital antennae	-----	58
57b. Prostomium without occipital antennae	-----	61
58a. (57a) Major spines of chaetiger 5 simple, without accessory teeth or lateral flange	-----	59
58b. Major spines of chaetiger 5 falcate, with accessory tooth or lateral flange present	-----	60
59a. (58a) Major spines of chaetiger 5 straight, not falcate; notopodial lobe on chaetiger 1 short, digitiform		<i>Polydora nuchalis</i> Woodwick, 1953
59b. Major spines of chaetiger 5 falcate, with weakly developed subterminal boss; notopodial lobe of chaetiger 1 as long as or longer than occipital antennae		<i>Polydora cirrosa</i> Rioja, 1943
60a. (58b) Major spine of chaetiger 5 falcate, with distinct subterminal tooth, sometimes with additional narrow keel between tooth and tip of spine		<i>Polydora cornuta</i> Bosc, 1802
60b. Major spine of chaetiger 5 heavy, falcate with lateral flange		<i>Polydora cf hoplura</i> Claparède, 1868

61a. (57b) Prostomium incised along anterior margin	-----	62
61b. Prostomium entire along anterior margin		
		<i>Polydora pygidialis</i> Blake & Woodwick, 1972
62a. (61a) Major spines of chaetiger 5 with obliquely curved flange extending between shaft and tip		<i>Polydora websteri</i> Hartman, 1943
62b. Major spines of chaetiger 5 with small, triangular accessory tooth		<i>Polydora limicola</i> Annenkova, 1934
63a. (52b) Hooded hooks from chaetiger 10 - 17	-----	64
63b. Hooded hooks from chaetiger 7	-----	65
64a. (63a) Prostomium recessed into chaetiger 1, rounded to weakly incised; caruncle absent; palps very short; major spines of chaetiger 5 with long, lateral sheath; pygidium with 4 - 14 small, narrow lobes		<i>Dipolydora commensalis</i> (Andrews, 1891)
64b. Prostomium bifurcate along anterior margin; caruncle extending well beyond chaetiger 5; palps very long; major spines of chaetiger 5 with long lateral sheath, pygidium with 4 nearly equal lobes		<i>Dipolydora elegantissima</i> (Blake & Woodwick, 1972)
65a. (63b) Major spines of chaetiger 5 simple, falcate, with subterminal boss, accessory teeth absent, flanges or collars not covered with bristles	-----	66
65b. Major spines of chaetiger 5 with accessory teeth, flanges, collars, and/or apex densely covered with bristles	-----	67
66a. (65a) Notopodial postsetal lamellae of chaetiger 1 large, leaflike; posterior notopodia with few long capillaries and distinct bundle of 13 - 20 thin, needle-like capillaries; major spines of chaetiger 5 simple, falcate, with weakly developed subterminal boss, sometimes with subterminal etches or scratches		<i>Dipolydora cardalia</i> (Berkeley, 1927)
66b. Notopodial postsetal lamellae of chaetiger 1 short, conical to triangular; posterior notopodia with few short and long capillaries, needle-like capillaries absent; major spines of chaetiger 5 simple, weakly falcate, with prominent subterminal boss, etchings or scratches not present		<i>Dipolydora socialis</i> (Schmarda, 1861)
67a. (65b) Major spines of chaetiger 5 with collar on convex side of falcate tip	-----	68
67b. Major spines of chaetiger 5 with various accessory teeth, flanges, or collars, not restricted to convex side of the spine	-----	69
68a. (67a) Posterior notopodia with packets of small glistening needles; hooded hooks bidentate in anterior and middle chaetigers, unidentate in posterior chaetigers; branchiae from chaetiger 8		<i>Dipolydora bidentata</i> (Zachs, 1933)
68b. Posterior notopodia with large spines bearing posteriorly directed barbs; hooded hooks bidentate throughout; branchiae from chaetiger 9 - 10		<i>Dipolydora barbilla</i> (Blake, 1980)

69a. (67b) Modified spines of chaetiger 5 with large accessory tooth on concave side and small spur on convex side, tip not covered with bristles; posterior notopodial spines present or absent, if present, not arranged in a rosette	-----	70
69b. Modified spines of chaetiger 5 always covered with fine bristles, with or without accessory teeth, teeth if present, sometimes joined by collar or cowling; posterior notopodial spines present, forming projecting rosette	-----	71
70a. (69a) Posterior notopodia with 3 - 4 recurved spines; pygidium with 4 nearly equal lobes; branchiae from chaetiger 8		<i>Dipolydora bifurcata</i> (Blake, 1981)
70b. Posterior notopodia with long capillaries, spines absent; pygidium cufflike, with dorsal gap; branchiae from chaetiger 9		<i>Dipolydora giardi</i> (Mesnil, 1893)
<b>** note 3 choices **</b>		
71a. (69b) Major spines of chaetiger 5 without accessory structures, but apex of spines partially or completely covered by fine bristles	-----	72
71b. Major spines of chaetiger 5 with 2 teeth, some bristles between teeth or partially covering spine		<i>Dipolydora cf armata</i> SCAMIT, 1983 §
71c. Major spines of chaetiger 5 with 1 small accessory tooth, small collar and small patch of bristles/hairs near collar		<i>Dipolydora sp SD1</i> Webb, 2019 §
72a. (71a) Major spines of chaetiger 5 with large, flattened beaklike curved end bearing large and distinctive crest of bristles; companion chaetae reduced to thin, simple capillaries; prostomium distinctly notched along anterior margin		<i>Dipolydora caulleryi</i> (Mesnil, 1897)
72b. Major spines weakly curved apically, with flattened convex side and vague notch, tips covered with fine bristles; companion chaetae absent; prostomium narrow, with shallow notch along anterior margin		<i>Dipolydora akaina</i> Blake, 1996

**Other Spionidae reported from the region but not by SCAMIT**

- Aonides glandulosa* Blake, 1996  
*Dispio anauncinata* Delgado-Blas & Díaz-Díaz, 2016  
*Dispio lenislamellata* Delgado-Blas & Díaz-Díaz, 2016  
*Dispio longibranchiata* Delgado-Blas & Díaz-Díaz, 2016  
*Microspio spinosa* Blake, 1996  
*Prionospio marsupialia* Blake, 1996  
*Prionospio steenstupi* Malmgren, 1867  
*Pygospioopsis occipitalis* Blake, 1996  
*Scoelepis (Scoelepis) acuta* (Treadwell, 1914)  
*Scoelepis (Scoelepis) sp SF2* Norris, 2011 §

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#### Version History

1.0	Key Created	November, 2021 - BMH
1.1	Key updated to include <i>Dispio</i> sp SD1. Updated references. Added Spionidae reported from region but not by SCAMIT.	November, 2021 - BMH
1.2	Updated authorship of <i>Laonice</i> sp A to Harris, 2005. Updated couplet for <i>Prionospio</i> sp J & <i>Prionospio jubata</i> .	December, 2021 - BMH
2.0	Updated couplet for <i>Prionospio</i> sp J & <i>Prionospio jubata</i> . Removed DRAFT designation.	April, 2023 - BMH
3.0	Updated <i>Prionospio</i> section of key. Updated to Ed 15 species list	June, 2026 - BMH