S1 - SUPPLEMENTAL TABLES AND GRAPHS

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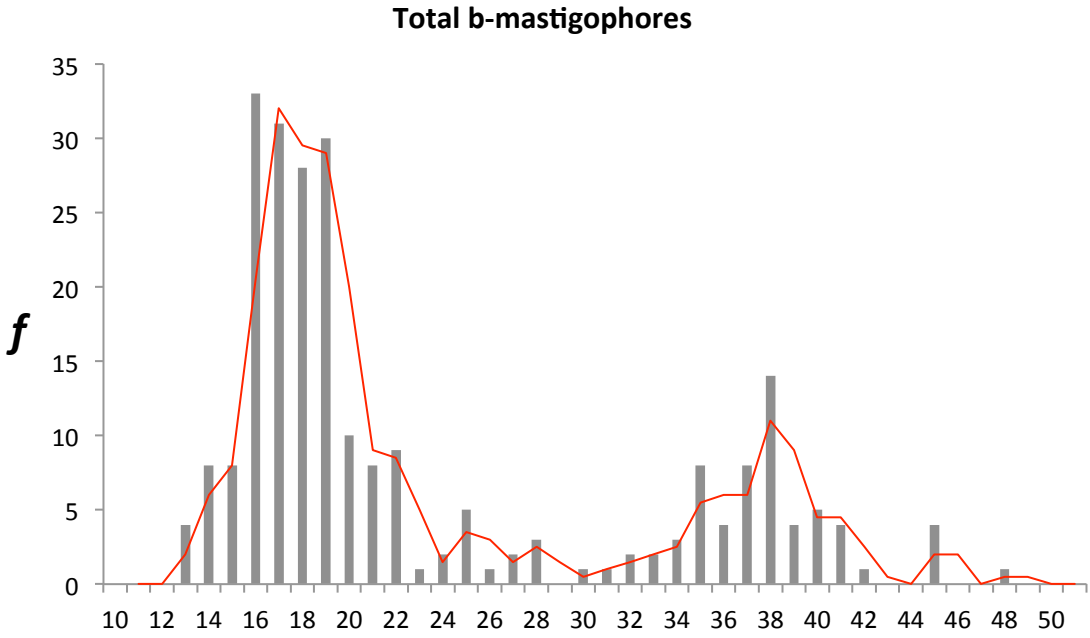
CNIDAE

Total b-mastigophores

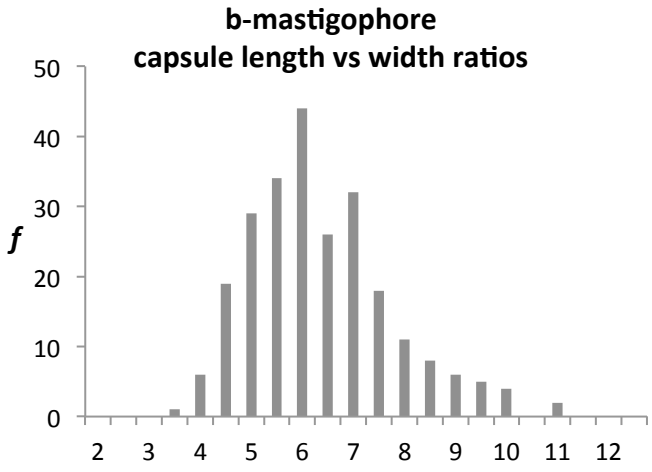


2 main size classes – small (10-22 μm) in mesenterial filaments and acontia, large (30-48 μm) in tentacles, with a few intermediate (23-29 μm) in tentacles and actinopharynx

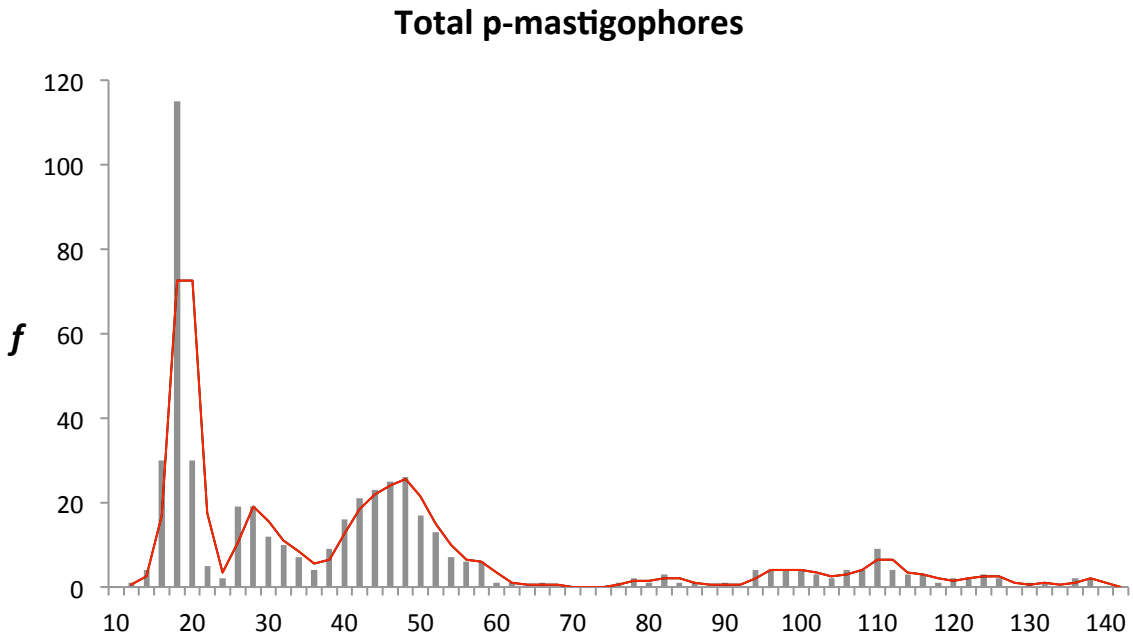
Total b-mastigophores

	length	width	l/w ratio	shaft
min	12.3	2.26	3.25	5.54
max	47.64	6.04	10.96	21.07
mean	22.7	3.66	6.11	11.31
SD	9	0.91	1.39	3.84
n	**245**	**245**	**245**	**139**

size classes	**(μm)**
small	12-22
medium	23-29
large	30-48



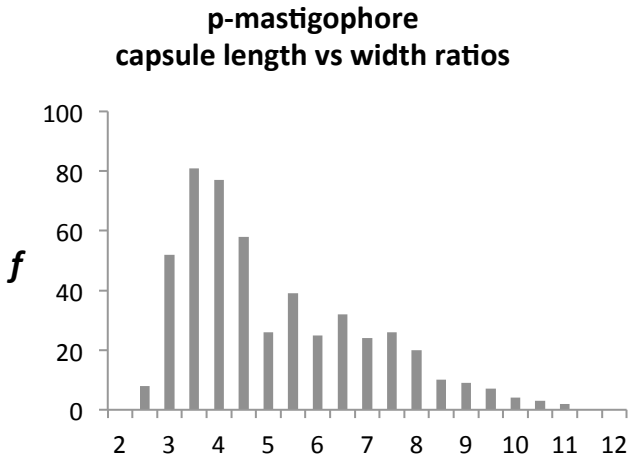
Total p-mastigophores



Total p-mastigophores

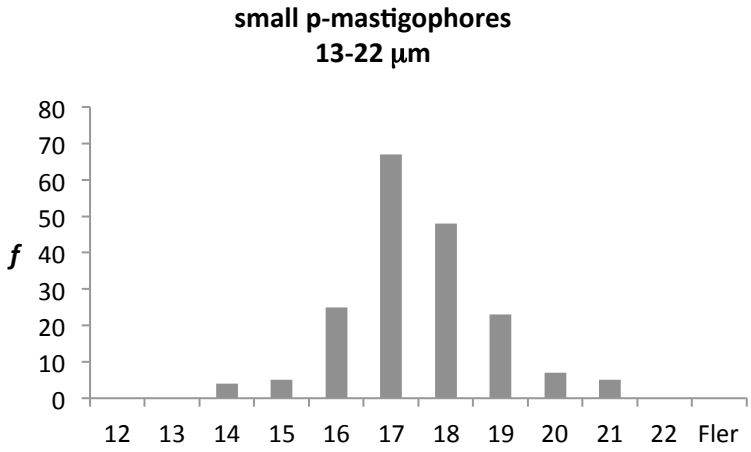
	length	width	l/w ratio	shaft
min	13.59	2.89	2.18	5.65
max	137.73	16.90	10.91	83.73
mean	41.6	7.8	4.9	23.2
SD	30.1	3.1	1.9	19.0
n	**503**	**502**	**502**	**430**

size classes	**(µm)**
small	13-22
medium	23-34
large	35-69
very large	70-138



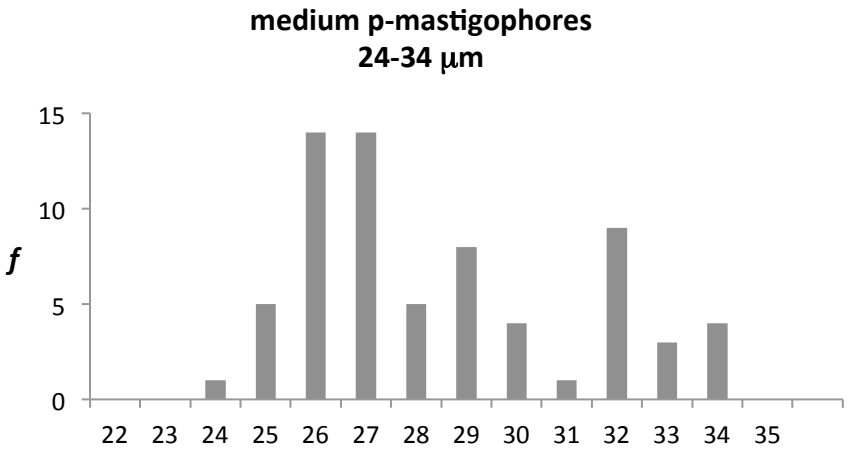
Size classes – p-mastigophores

Small p-mastigophores



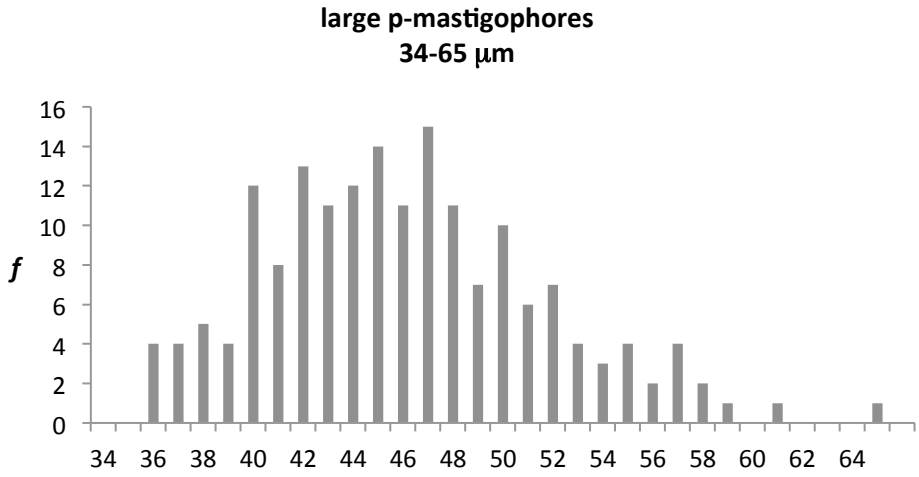
	length	width	l/w ratio	shaft	v-notch	shaft/capsule ratio	ev. shaft
min	13.59	2.89	2.18	5.65	1.51	0.35	7.80
max	22.90	7.55	5.73	12.13	2.97	0.56	19.78
mean	17.0	5.4	3.2	8.4	2.2	0.5	14.8
SD	1.3	0.7	0.5	1.0	0.4	0.0	1.8
n	**185**	**185**	**185**	**138**	**42**	**70**	**41**

Medium p-mastigophores



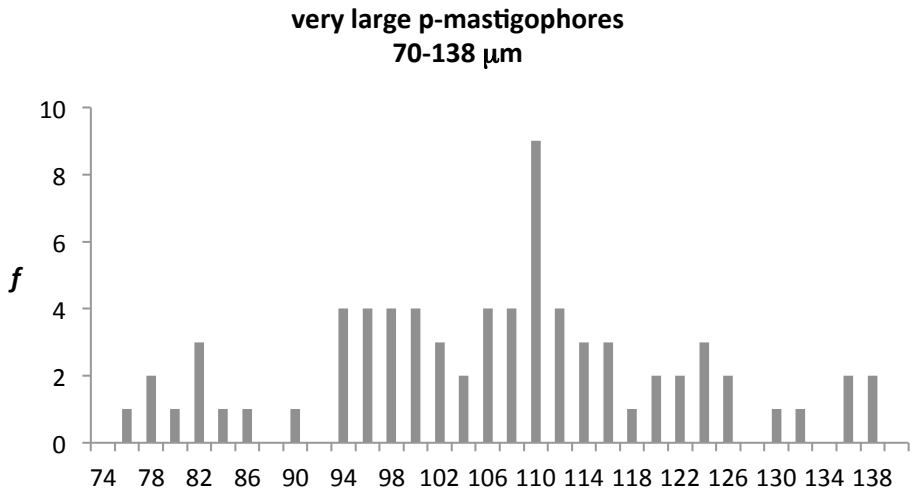
	length	width	l/w ratio	shaft	v-notch	shaft/capsule ratio	ev. shaft
min	23.82	3.14	3.44	10.71	2.40	0.48	22.76
max	34.00	8.27	7.72	18.67	5.42	0.52	29.08
mean	28.0	6.6	4.3	13.6	3.9	0.5	25.0
SD	2.8	0.8	0.6	1.5	0.7	0.0	3.0
n	**68**	**68**	**68**	**64**	**57**	**4**	**4**

Large p-mastigophores



	length	width	l/w ratio	shaft	v-notch	shaft/capsule ratio	ev. shaft
min	35.21	4.87	3.62	15.38	3.78	0.48	33.10
max	64.77	13.60	9.44	38.31	9.08	0.57	73.78
mean	45.6	8.5	5.6	23.1	5.6	0.5	50.0
SD	5.5	2.0	1.2	4.2	0.9	0.1	12.8
n	**176**	**176**	**176**	**159**	**152**	**2**	**16**

Very large p-mastigophores

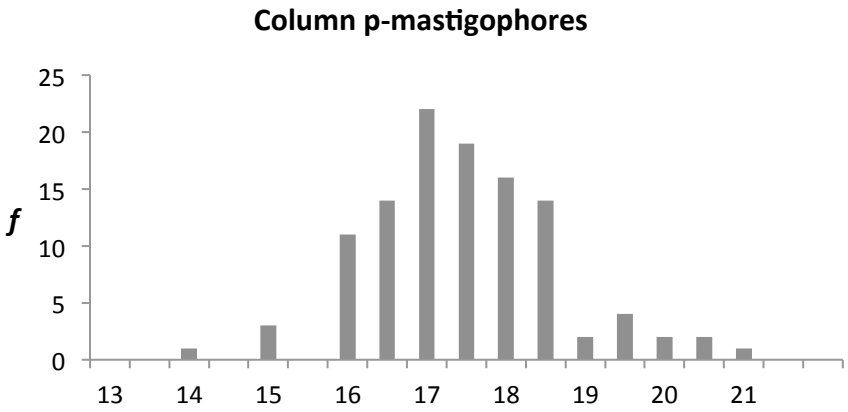


	length	width	l/w ratio	shaft	v-notch	shaft/capsule ratio	ev. shaft
min	74.72	10.60	5.00	40.64	6.46	0.51	112.09
max	137.73	16.90	10.91	83.73	11.46	0.69	178.37
mean	105.8	13.6	7.9	64.6	8.7	0.6	155.4
SD	14.8	1.5	1.3	8.7	1.1	0.0	23.8
n	**74**	**73**	**73**	**65**	**64**	**25**	**9**

CNIDAE BY TISSUE

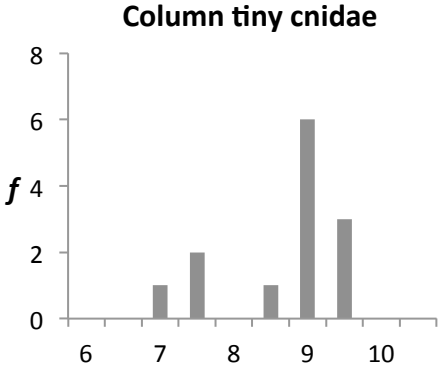
Column

Column p-mastigophores



	length	width	l/w ratio	shaft	ev. shaft
min	13.86	3.82	2.78	5.65	12.79
max	20.75	6.2	4.46	16.54	19.78
mean	17.21	5.1	3.39	8.25	14.93
SD	1.18	0.45	0.31	1.82	1.43
n	**111**	**111**	**111**	**72**	**38**

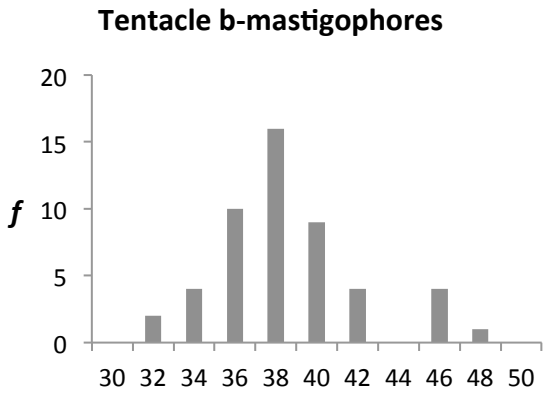
Column tiny cnidae



	length	width	l/w ratio
min	6.99	1.85	2.85
max	9.4	2.7	4.08
mean	8.47	2.35	3.62
SD	0.78	0.23	0.37
n	**13**	**13**	**13**

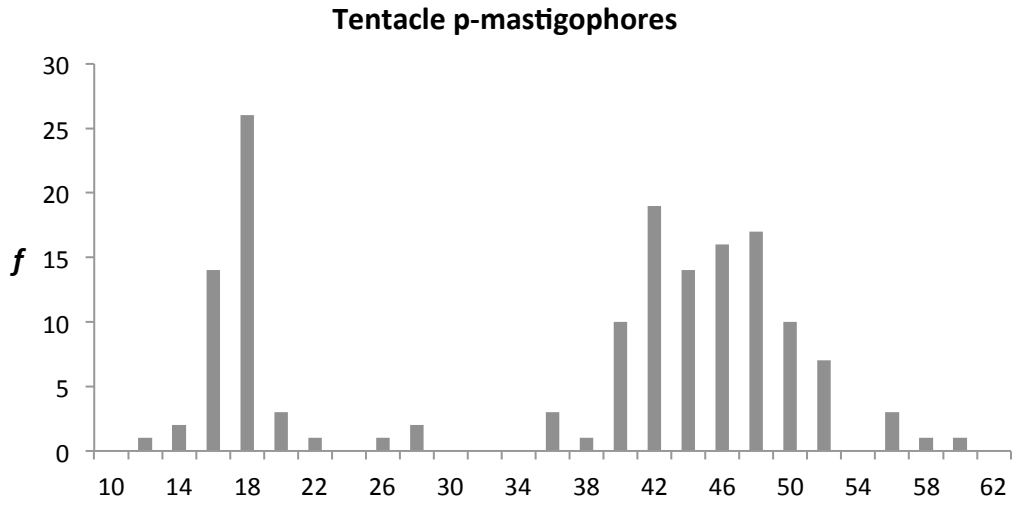
Tentacles

Tentacle b-mastigophores



	length	width	l/w ratio	shaft	shaft/capsul ratio	ev. shaft
min	31.39	4.03	5.86	10.84	0.30	15.95
max	47.64	6.04	9.76	17.69	0.49	21.24
mean	37.6	5.11	7.41	14.44	0.39	19
SD	3.44	0.46	0.94	1.93	0.04	2.25
n	**50**	**50**	**50**	**41**	**41**	**4**

Tentacle p-mastigophores



	length	width	l/w ratio	shaft
min	13.59	3.14	2.18	7.6
max	58.32	9.55	9.08	32.88
mean	35.74	6.78	5.20	17.32
SD	13.64	1.13	1.77	6.22
n	**151**	**151**	**67**	**141**

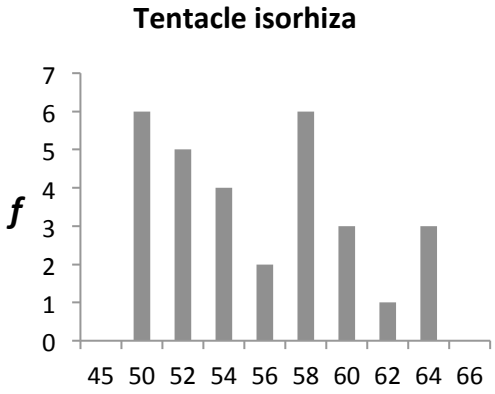
small-(medium) tentacle p-mast

	length	width	l/w ratio	shaft	v-notch	shaft/capsule ratio	ev. shaft
min	13.59	3.14	2.18	7.60	1.51	0.45	15.20
max	27.00	7.55	7.72	15.03	4.28	0.62	16.91
mean	16.99	5.75	3.02	9.00	2.27	0.53	16.06
SD	2.57	0.71	0.82	1.44	0.55	0.04	1.21
n	**49**	**49**	**49**	**46**	**38**	**46**	**2**

large tentacle p-mast

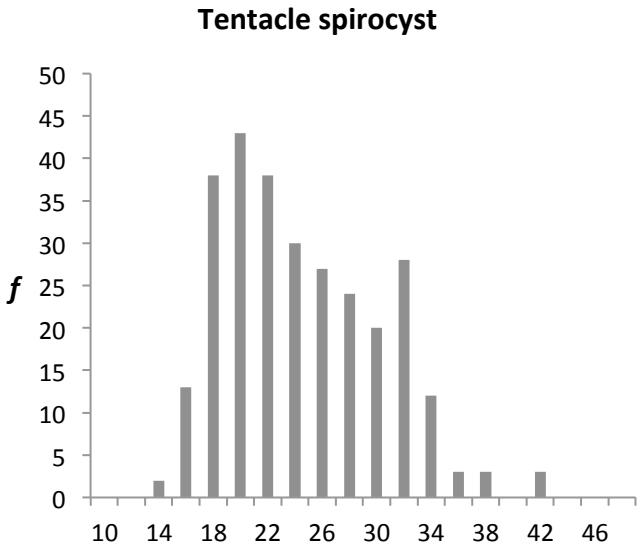
	length	width	l/w ratio	shaft	v-notch	shaft/capsule ratio	ev. shaft
min	35.21	5.00	4.05	15.69	3.78	0.39	36.97
max	58.32	9.55	9.08	32.88	6.99	0.62	46.16
mean	44.74	7.27	6.25	21.35	5.49	0.48	40.45
SD	4.59	0.96	0.96	2.53	0.65	0.04	2.92
n	**102**	**102**	**102**	**95**	**93**	**95**	**7**

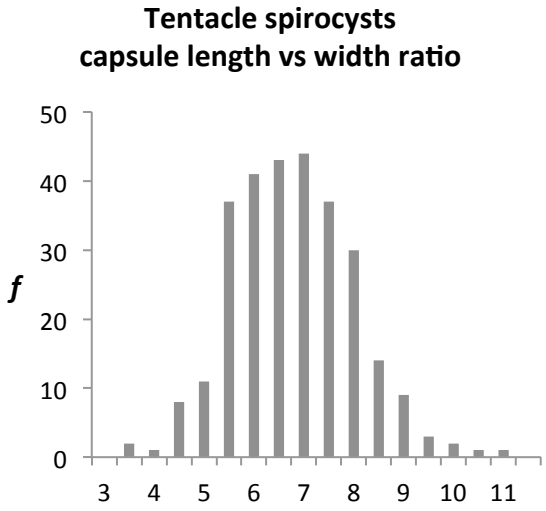
Tentacle isorhiza



	length	width	l/w ratio
min	45.55	13.91	2.117
max	62.97	23.05	4.062
mean	54.4	18.3	3
SD	4.9	2	0.5
n	**30**	**30**	**30**

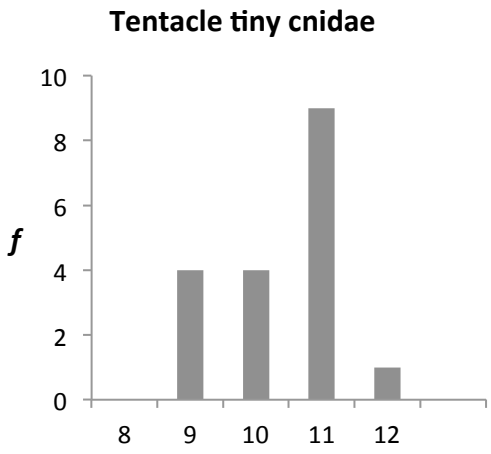
Tentacle spirocysts





	length	width	l/w ratio
min	12.34	1.65	3.18
max	41.71	7.22	10.61
mean	23.5	3.7	6.5
SD	5.7	1.1	1.2
n	**284**	**284**	**284**

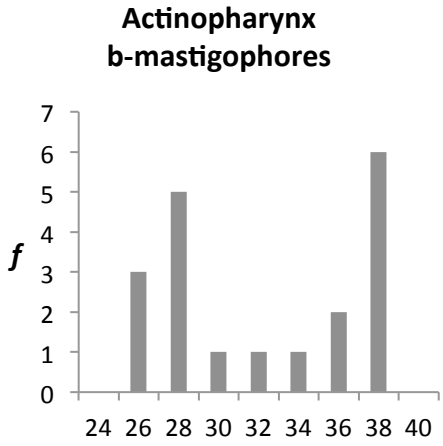
Tentacle tiny cnidae



	length	width	l/w ratio	shaft
min	8.19	1.81	3.32	2.78
max	11.25	3.10	4.52	4.45
mean	9.86	2.56	3.89	3.45
SD	0.93	0.35	0.36	0.50
n	**18**	**18**	**18**	**9**

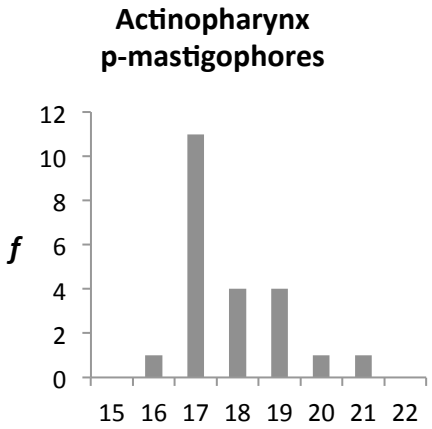
Actinopharynx

Actinopharynx b-mastigophores



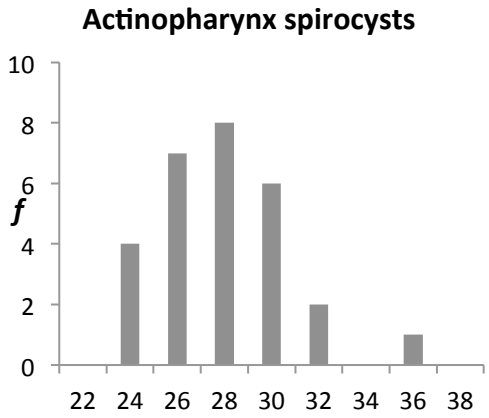
	length	width	l/w ratio	shaft
min	24.42	2.76	5.98	12.89
max	37.89	5.06	10.96	21.07
mean	31.4	3.7	8.5	16.8
SD	5	0.6	1.3	2.5
n	**19**	**19**	**19**	**19**

Actinopharynx p-mastigophores



	length	width	l/w ratio	shaft
min	15.89	5.03	2.37	7.66
max	20.9	7.42	3.85	10.46
mean	17.4	6.2	2.8	9.4
SD	1.3	0.6	0.3	0.8
n	**22**	**22**	**22**	**22**

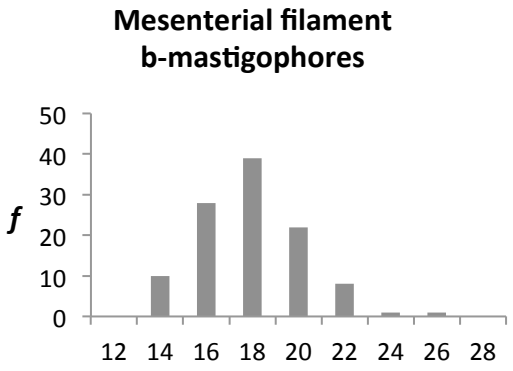
Actinopharynx spirocysts



	length	width	l/w ratio
min	23.66	4.03	4.09
max	34.67	6.98	6.35
mean	27.1	5.4	5.1
SD	2.7	0.8	0.5
n	**28**	**28**	**28**

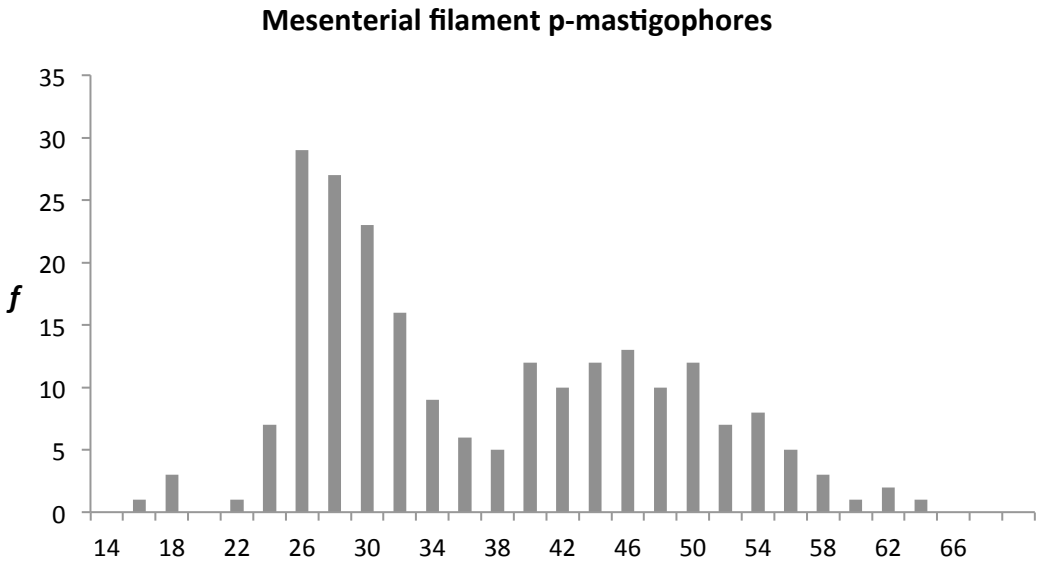
Mesenterial Filaments

Mesenterial Filament b-mastigophores



	length	width	l/w ratio	shaft	ev. shaft
min	12.3	2.35	3.7	5.54	7.12
max	24.13	5.1	7.54	12.81	10.69
mean	17	3.2	5.4	8.3	8.8
SD	2.2	0.4	0.8	1.2	1.1
n	**108**	**108**	**108**	**51**	**16**

Mesenterial Filament p-mastigophores



	length	width	l/w ratio	shaft	v-notch	shaft/capsule ratio	ev. shaft
min	16.0	3.13	3.1	7.39	2.4	0.41	22.76
max	63.4	13.31	9.44	34.81	8.29	0.63	73.78
mean	36.3	7.7	4.8	19.3	4.8	0.5	48.7
SD	10.6	2.2	0.9	6.9	1.3	0.1	19
n	**223**	**223**	**223**	**113**	**102**	**113**	**10**

(small)-medium mesenterial filament p-mast (only 5 small p.)

	length	width	l/w ratio	shaft	v-notch	shaft/capsule ratio	ev. shaft
min	16.0	3.13	3.1	7.39	2.4	0.41	22.76
max	39.94	11.02	6.75	23	5.88	0.61	42.52
mean	29.1	6.5	4.6	14.4	4	0.5	28.3
SD	5	1.3	0.7	2.9	0.8	0	9.5
n	**139**	**139**	**139**	**69**	**60**	**69**	**4**

large p-mast

	length	width	l/w ratio	shaft	v-notch	shaft/capsule ratio	ev. shaft
min	40.5	4.87	3.71	20.43	3.78	0.44	56.25
max	63.4	13.31	9.44	34.81	8.29	0.63	73.78
mean	48.1	9.7	5.1	27	5.8	0.6	62.4
SD	5.3	1.8	1.1	3.5	1.1	0	6.1
n	**84**	**84**	**84**	**44**	**42**	**44**	**6**

Mesenterial Filament tiny cnidae

length	width	l/w ratio
6.4	2.2	2.91
8.3	2.3	3.61
8.9	2.4	3.71
9.2	2.7	3.41
n	**4**	

Mesenterial Filament isorhiza and spirocysts

isorhiza (contamination?)

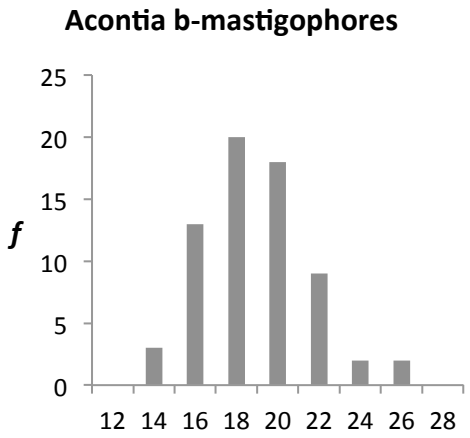
	length	width	l/w ratio
min	44.97	12.2	2.92
max	87.2	18.34	6.06
mean	62.6	14.4	4.4
SD	14.6	2.1	1
n	**9**	**9**	**9**

spirocysts (contamination?)

	length	width	l/w ratio
min	21.9	3.4	5.11
max	48	6.4	11.35
mean	34.4	4.5	7.8
SD	8	0.9	2.1
n	**13**	**13**	**13**

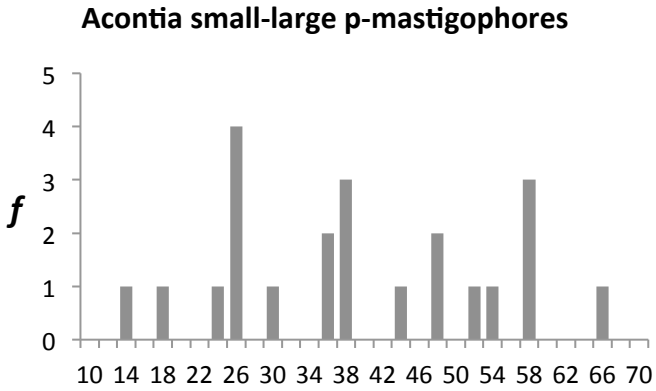
Acontia

Acontia b-mastigophores

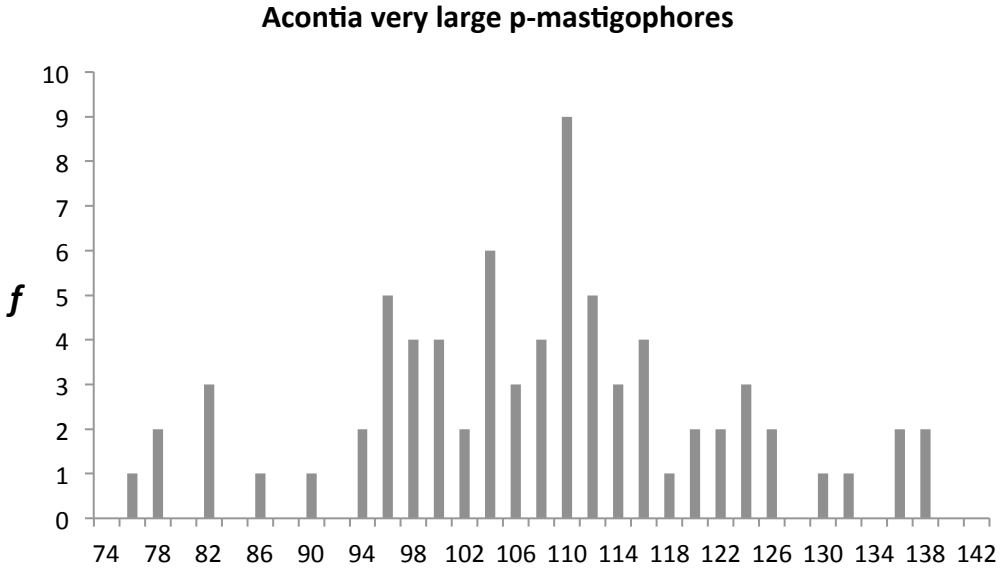


	length	width	l/w ratio	shaft	shaft/capsule ratio	ev. shaft
min	12.87	2.26	3.25	6.09	0.33	6.58
max	25.08	5.17	7.55	10.54	0.61	15.89
mean	18	3.3	5.6	8.3	0.4	10.9
SD	2.6	0.6	1	1.1	0.1	2.7
n	**67**	**67**	**67**	**27**	**27**	**17**

Acontia p-mastigophores

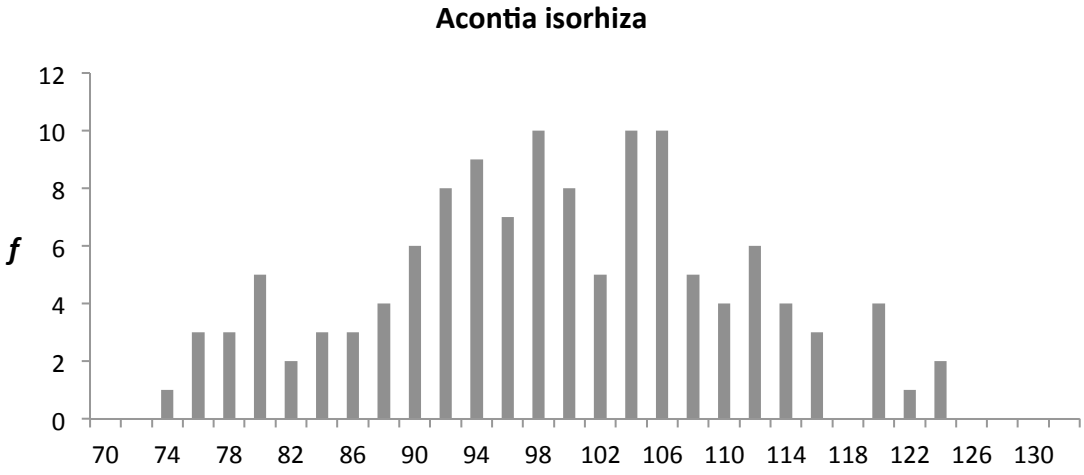


	length	width	l/w ratio	shaft	v-notch	shaft/capsule ratio	ev. shaft
min	13.91	4.17	3.26	7.84	2.09	0.46	29.08
max	64.77	13.6	6.45	38.31	9.08	0.59	67.4
mean	38.2	7.9	4.8	19.9	5	0.5	38.6
SD	24.2	7	7.3	16	6.1	6.8	59.4
n	**22**	**22**	**22**	**16**	**14**	**16**	**5**



	length	width	l/w ratio	shaft	v-notch	shaft/capsule ratio	ev. shaft
min	74.72	9.8	5	40.64	6.46	0.51	124.57
max	137.73	16.9	10.91	83.73	11.46	0.7	178.37
mean	106.8	13.4	8.1	65.3	8.6	0.6	158.4
SD	14.1	1.5	1.3	8.3	1.1	0.1	18.8
n	**75**	**75**	**75**	**58**	**57**	**58**	**7**

Acontia isorhiza



	length	width	l/w ratio
min	73.4	14	4.33
max	123.89	21.84	8.08
mean	97.8	17	5.8
SD	11.5	1.6	0.8
n	**126**	**126**	**126**