Family	sub-category (if applicable)	# species		Body size		Habitat		Motility		Feeding mode	Food	d delivered by:
			I = interstitial; S = small (< ~2 cm); M = medium; L = large (> ~20 cm)		cm); M = medium; L = large (> infaunal: S = symbic		1	M = motile D = discretely motile S = sessile		A = macro; O = omnivore; S = notroph, P = parasitic	T = tentacle/ P = muscula = nonmuscul = ramified or	rpalps, M = mucus ni ar eversible pharynx, ar eversible pharynx r lamellar surfaces; Ο non-eversible pharyn
Aberrantidae		4	I	< 7 mm	I, E	Interstitial; in or on sediments	M	ciliary crawling	I,A	requiring labile ingesta	Т	palps
Acoetidae		~60	L	mostly large, up to > 2 m long	ı	in sediments	D	tube-dwelling; can construct new tubes	А	carnivore; carrion feeder	Р	
Acrocirridae	benthic	38	I-M	up to 7 cm	I, E	in or on sediments; some may be interstitial	D	discretely motile; slow burrowing	I	surface deposit feeder; labile (for small-bodied forms)	Т	palps
	pelagic	>9	М	up to 7 cm	Р	demersal to mid-water	М	swimming	I	mostly passive suspension feeder	Т	palps
Aeolosomatidae		~6	ı	small (meiofaunal)	ı	mostly fresh and estuarine	М	burrowing, swimming	I,A	requiring labile ingesta	0	vacuum suction, ciliated body
Alciopidae		~50	М	most 3 - 30 cm long; a few smaller	Р	upper and mid-water	М	strong swimmers	Α	carnivore; herbivore on microalgae	Р	
Alvinellidae		~12	М	2-15 cm long	E	on hard surfaces or bacterial mats at vents	D	mostly tube-dwelling; some nestle in crevices	I	bacterial mat feeder; surface deposit feeder	Т	tentacles
Ampharetidae	> 1 cm	~230 total	М	medium but varies	I, E	in or on sediments; on hard substrata; some at vents	D	tube-dwelling; can extend tubes and construct new tubes	I	surface deposit feeder	Т	tentacles
	< 1 cm		ı		ı		D		А	herbivore on diatoms; carnivore on larvae; labile food	Т	
Amphinomidae		165	S-L	variable	E, I	on varied substrata; infaunal in sediments	М	crawling, burrowing, swimming (kleptoparasitic Benthoscolex is DM)	A, O	mostly carnivores or scavengers; some detritus and algae	Р	
ntillesomatidae, Sipuncula		1	М	up to 8 cm	ı	boring in rock; nestling in rubble	S, D	boring individuals are sessile; some nestle in rubble and are discretely motile	I	passive suspension feeder, ciliary mucoid feeder	T, M	tentacles
Aphroditidae		120	L	mostly large	E,I	on varied substrata; in sediments	М	crawling; burrowing	A, O	carnivorous on both sessile and motile prey; some may deposit feed	Р	
Apistobranchidae		6	S	small, < 12 mm	ı	infaunal in soft sediments; interstitial?	D	little known	I	deposit feeders; likely highly selective for labile material	Т	palps
Arenicolidae	large-bodied	19	L	fairly large	I	in shallow muddy sands	D	can be stationary in burrows or rotate head- shaft; can re-burrow	I	funnel feeders	N	
	Branchiomaldane	4	S	< 4 cm	ı	infaunal; in crevices	D?	little known	I?	subsurface deposit feeders?	N	
Aspidosiphonidae, Sipuncula		~24	s	4-40 mm	E, I	nestles in crevices, shells, etc.	D, S	inhabit shells, nestles, bores	I	surface deposit feeder; scraping detritus; subsurface deposit feeder	Т	tentacles; hooks scraping
Asteriomyzostomatidae, Myzostomida		2	s	oval disk, < 10 mm	s	endoparasitic	D	within host	Р	parasitic or kleptoparasitic	Р	
Asteromyzostomatidae, Myzostomida		~5	S	ovoid, < 15 mm	S	ectoparasitic	S	sessile on host	Р	parasitic	Р	

Family				Pharyngeal/intr	overt structu	ire		Nuchal Organs	Eyes	Other anterior sensory stuctures
	eversible (E); non- eversible (N); extensible (X)	muscular (M); non- muscular (N)	armed (J); unarmed (U)	(A) articulated jaws, (G) grasping fangs or stylets, (C) crushing teeth, (R) rasping or scraping teeth, (T) assorted other teeth	papillated (P); tentaculate	axial (A); ventral(V); dorsal (D)	additional details	absent, unknown, other		write these in, it will be palps, write these in, it will be palps, tentacles, antennae and need number of each, length to body width <, = or > 1
Aberrantidae	N?	M?	U		C?	V	cilia lead to mouth	external, inconspicuous	may have one small pair	median antenna, paired lateral antennae (may be absent)
Acoetidae	E	М	J	А	Р	Α	armed with hinged jaws; venom glands	external, may be bilobed	most have two pairs, can be large, stalked (ommatophores) in some species	long palps, pair of lateral antennae, may have medial antennae, tentacular cirri
Acrocirridae	E	?	U		?	V		variable, mostly external but some grooved	up to three pairs	
	E		U				eversible lateral lips; anteroventral	variable, external	absent	palps and branchiae appear to be mechanosensory
Aeolosomatidae	N	М	U		C?	V	cilia around the mouth	invaginated pits	none	
Alciopidae	E	М	U, J	G?	Р	Α	papillae may be chitinized to horn-like structures	external, around and in eyes	image forming	three dorsal antennae, two ventral palps, 3-4 pairs tentacular cirri
Alvinellidae	Е	М	U, J	Т	С	V	ciliated pharynx with rake- like rows of denticles	absent (?)	none (?)	
Ampharetidae	N?	М	U		T, C	V		external, ridge-like	a few eyespots on the prostomium	some have paleae
	?	М	J,U	R	T, C	٧	3 spp have teeth; juveniles can use ventral pharyngeal bulb to scrape			
Amphinomidae	Е	М	U,J	R	ridges, a few have cilia	V	most with cuticular ridges; E. complanata has dorsolateral ciliary folds	external; well- developed, around and on the caruncle	may have two pairs	pair of ventral palps, pair of anterior dorsal antennae and more posterior medial dorsal antenna
Antillesomatidae, Sipuncula	E	?	U			A	introvert lacks hooks	external, present around mouth	ocellar tubes	
Aphroditidae	E	М	U, J	С	ridges	A	some may have pharyngial hardening/ridges but poorly studied	present in some species but not well studied	may have a few	median antenna on prostomium and a pair of ventral palps
Apistobranchidae	E	М	U?		?	?		present, exterior, around palp insertions	not yet reported	
Arenicolidae	E	N	U		Р	V		present	may have a few	may have statocysts; have mechano and chemosensory cells on pygidium
	E	N	U		Р	V				
Aspidosiphonidae, Sipuncula	Е	?	J		Р	V	papillae and hooks on introvert	external, surrounds tip of introvert	ocellar tubes	
Asteriomyzostomatidae, Myzostomida	N, X	М	U			V	salivary glands	other (lateral organs)	absent	eversible lateral sensory organs
Asteromyzostomatidae, Myzostomida	N, X	М	U			V	pharyngeal bulb	other (lateral organs)	absent	one or more pairs of lateral organs

Family	sub-category (if applicable)	# species		Body size		Habitat		Motility		Feeding mode	Foo	d delivered by:
				stitial; S = small (< ~2 medium; L = large (> ~20 cm)		lagic; E = epifaunal; I = unal; S = symbiotic	Ι	M = motile D = discretely motile S = sessile		A = macro; O = omnivore; S = notroph, P = parasitic	T = tentacle/palps, M = mucus r P = muscular eversible pharynx = nonmuscular eversible pharynx = ramified or lamellar surfaces; other (e.g., non-eversible pharyn	
Bonelliidae, Echiura		65	М	2-10 cm	ı	in sediments, crevices, or burrows made by other animals	D	burrow-dwelling	I	surface deposit feeder; may cache	Р	proboscis
Capitellidae		180	S,M	up to ~30 cm	ı	infaunal in sediments; exceptions are symbiotic/parasitic	М	burrowing	I	subsurface deposit feeders; exceptions are parasitic/ kleptoparasitic	N	
Chaetopteridae	benthic Chaetopterus	65 total	М		I, E	most infaunal in U- shaped tubes; some epifaunal	S	tube dwelling	I	active suspension feeder	М	mucus net
	pelagic		М		Р	pelagic, demersal/bathyl	М	weak swimmer	ı	passive suspension feeder	М	mucus web
	other genera		S,M		I, E	in sediments; some epifaunal	S	tube dwelling	I	passive suspension feeder with palps; surface deposit feeder; active suspension feeder with mucus bags	T, M	palps and/or mucus nets
Chrysopetalidae	large-bodied	80 total	M,L		E	epibenthic	М	crawling	Α	mostly predators	Р	
	small free-living		S	< 1 cm	E, I	varied, found at bacterial mats, whale falls, etc.	М	varied, mostly crawling	A, I	varied diet, some feed microphageously on bacterial mats	Р	
	Calamyzinae	21	S		S	ectoparasitic or commensal	D?	parasites likely less motile, host-switching unknown	Р	ectoparasitic or commensal and likely kleptoparasitic	Р	?
Cirratulidae	tube-dwellers	240 total	М		E	on hard surfaces or soft sediments	S	in hard tubes (<i>Dodecaceria</i>) or mudballs (<i>some</i> <i>Monticellina</i>)	I	surface deposit feeders; possibly suspension feed as well	Т	2 palps
	short muscular segments		S,M		I	in sediments	М	burrowing; Cirratulus balaenophilus crawls thorugh holes in bone	I	most surface/subsurface deposit feeders; Cirratulus balaenophilis feeds on whale bones	Т	> 2 palps
	moniliform midsections		S,M		ı	in sediments	М	burrowing	I	mostly surface/subsurface deposit feeders; Caulleriella galeanoi is an herbivore on algae	Т	>= 2 palps
Cossuridae		24	S,M	1-5 cm	I	in soft sediments	М	burrowing	I	subsurface deposit feeders	Р	muscular eversible buccal tentacles
Ctenodrilidae		9	I,S	< 1-2 cm	E, I	in or on organically rich substrata	М	burrowing, epifaunal and interstitial crawling	I	likely feed on labile material and bacterial mats	P?	eversible lower lip
Dinophilidae		15	ı	< 0.5 mm	I	interstitial in sands, infaunal in muds; among algae	М	ciliary gliding	A, I	herbivorous on diatoms; carnivorous on protists; microphageous on labile material	P, N	varies
Diurodrilidae		6	I	< 0.5 mm	I	interstitial in beach sands	М	ciliary gliding	I, A	mostly small labile material	0	ciliophores

Family				Pharyngeal/int	rovert structu	ıre		Nuchal Organs	Eyes	Other anterior sensory stuctures
	eversible (E); non- eversible (N); extensible (X)	muscular (M); non- muscular (N)	armed (J); unarmed (U)	(A) articulated jaws, (G) grasping fangs or stylets, (C) crushing teeth, (R) rasping or scraping teeth, (T) assorted other teeth	ciliated(C); papillated (P); tentaculate	axial (A); ventral(V); dorsal (D)	additional details	Invaginated. external, absent, unknown, other		write these in, it will be palps, write these in, it will be palps, tentacles, antennae and need number of each, length to body width <, = or > 1
Bonelliidae, Echiura	E	М	U		С	A?	highly extensible, forked proboscis, scoops and uses cilia to gather particles	other (sensory cells)	absent in nevertheless light-sensitve adults	anterodorsal sensory cells on proboscis tip at point of branching
Capitellidae	E	N	U		Р	A/D	at least one species has dorsal pharynx	invaginated, eversible, form pits when retracted	may have one or more pairs	
Chaetopteridae	N	?	U		?	A?	simple tube mouth	absent	may have one or two pairs	
	N	?	U		?	Α?	presumably simple tube mouth	absent	may have one or two pairs	
	N	?	U		?	A?	presumably simple tube mouth	present around palps	may have one or two pairs	
Chrysopetalidae	Е	М	J		P, N?	А	pair of laterally opposed stylets	variable	up to two pairs	pair of dorsal antennae, pair of ventral palps, dorsal median antenna
	E	M?	J		P, N?	Α	pair of laterally opposed stylets	variable	up to two pairs	pair of dorsal antennae, pair of ventral palps, dorsal median antenna
			U		?	Α	stylets absent	unknown	none	may have pair of dorsal antennae, pair of ventral palps, dorsal median antenna
Cirratulidae	E	М	U		N?	V	tongue-like buccal apparatus	most invaginated	a few may be present	
	E	М	U		N?	V	tongue-like buccal apparatus	most invaginated	a few may be present	
	E	М	U		N?	V	tongue-like buccal apparatus	most invaginated	a few may be present	
Cossuridae	Е	М	U		С	А	adults have buccal tentacles; juveniles have unbranched, ciliated pharynx	invaginated pits or grooves	none	one median tentacle, likely respiratory function
Ctenodrilidae	E	М	U		N	V	eversible lower lip	most invaginated	none	no anterior appendages
Dinophilidae	E, N	M, N	U		?	V	muscular eversible in Dinophilus and Trilobodrilus; neither in Apharyngtus	present	one pair may be present	no anterior appendages
Diurodrilidae		М	U		C?	V	use prostomial ciliophores as a broom to collect small particles	absent	absent	sensory ciliophores

Family	sub-category (if applicable)	# species		Body size		Habitat		Motility		Feeding mode	Food	d delivered by:
				stitial; S = small (< ~2 - medium; L = large (> ~20 cm)		lagic; E = epifaunal; I = unal; S = symbiotic	1	M = motile D = discretely motile S = sessile		A = macro; O = omnivore; S = motroph, P = parasitic	T = tentacle/palps, M = mucus no P = muscular eversible pharynx, = nonmuscular eversible pharynx = ramified or lamellar surfaces; O other (e.g., non-eversible pharyn	
Dorvilleidae		~200	S	most small, can reach 10 cm	I, E, S	mostly interstitial or epifaunal on various habitats; a few species commensal	M, D	most crawl (larger) or use ciliary gliding (smaller); Meiodorvillea burrow; 3 Ophryotrocha spp. are tube- dwelling	0	carnivore/scavenger; herbivore on diatoms, macroalgae, coraline algae; feed on bacterial mats, detritus, rich organic material; commensal/parasitic	Р	
Echiuridae, Echiura		5	М	3 - 30 cm	ı	in soft sediments	D	burrow-dwelling; can swim, crawl and dig new burrows	I	surface deposit feeder	Р	proboscis
Endomyzostomatidae, Myzostoma		14	s	2-11 mm diameter	S	internal symbionts of crinoids	S	sessile on host	Р	kleptoparasitic or parasitic	М	muscle bulb containing pharynx
Eulepethidae		21	М	3-8 cm long	ı	in soft sediments	M, D	burrowing; some inhabit tubes of other species	Α	carnivore	Р	
Eunicidae		~400	L	can be up to 6 m	I, E	in soft sediments; epifaunal or nestling in various substrata; associated with coral	D, M	crawling, burrowing; temporary or long-term tube-dwelling; nestling in crevices	A, O	carnivore; herbivore on macroalgae and angiosperms; some deposit feeding	Р	
Euphrosinidae		60	S	a few cm long	E	on sediments, mixed bottoms, other animals	М	crawling; poorly studied	Α	carnivore on slow-moving or sessile prey; herbivory likely	Р	
Fabriciidae		83	S	0.85-10 mm long	E	epibenthic on hard and soft substrata	S	tube dwelling	I	suspension feeder; can also surface deposit feed	Т	ciliated radioles
Fauveliopsidae		~24	S	0.1 - 2 cm	I, E?	in tubes, shells, and tests of other organisms; interstitial	M?	poorly understood	ı	labile material; subsurface (?) deposit feeder	О	dorsolateral ciliary folds
Flabelligeridae	benthic	~150	М	0.5-22 cm	I, S	infaunal in sediments or hard substrata; commensal on echinoderms	D	slow burrowing, some long- distance dispersal by swimming	I	surface deposit feeder; labile (for small-bodied forms)	Т	pair of palps
	pelagic				P	deep midwaters and bottom boundary layers	D	swimming (slow?)	Α	carnivore		
Glyceridae		90	M, L		I	infauna in sediments and rubble	D, M	discretely motile in constructed burrows; burrowing, epifaunal crawling, swimming	А	carnivore	Р	
Golfingiidae, Sipuncula		80	S,M	< 20 cm long	I, E	in sediments; epifaunal in shells, tubes, tests	D	in constructed burrows or shells, tubes or tests	I	suspension feeding; surface and subsurface deposit feeding	Р	introvert with tentacles
Goniadidae		100	М		I, E	in and on sediments and hard substrata	M, D	burrowing; discretely motile in burrows	А	carnivore	Р	
Hartmaniellidae		3	S	< 1 cm	I, E?	dredged from deep sea	M?	unknown	A?	jaws suggest carnivory	Р	
Hesionidae		130-200	S	many < 1 cm	I, E	in and on varied substrata	M, D	some crawl; some construct burrow galleries; most unknown	A, O	many carnivores; some bacterial mat feeders; smaller worms likely feed on varied rich foods	Р	
Histriobdellidae		14	s	< 2 mm	s	symbionts on crustacean hosts	D	poorly understood	ı	feed microphagously on rich bacteria and algae	Р	

Family				Pharyngeal/intr	overt structu	ire		Nuchal Organs	Eyes	Other anterior sensory stuctures
	eversible (E); non- eversible (N); extensible (X)	muscular (M); non- muscular (N)	armed (J); unarmed (U)	(A) articulated jaws, (G) grasping fangs or stylets, (C) crushing teeth, (R) rasping or scraping teeth, (T) assorted other teeth	papillated (P); tentaculate	axial (A); ventral(V); dorsal (D)	additional details	Invaginated. external, absent, unknown, other		write these in, it will be palps, write these in, it will be palps, tentacles, antennae and need number of each, length to body width $<$, = or $>$ 1
Dorvilleidae	E	М	J	A	?	V	most have jaws, except Apodotrocha	many invaginated, but variable and poorly studied	may have a pair	one pair dorsal antennae, one pair ventral palps; either may be absent
Echiuridae, Echiura	E	М	U		С	Α		not known	not known	none
Endomyzostomatidae, Myzostoma	N, X	М	U			A, D		other (lateral organs)	not known	most lack lateral organs but some have up to 8
Eulepethidae	E	М	J	А	Р	Α	jaws with 4 large plate-like teeth	external, anterior of first segment	variable	two short anteroventral antennae; one anterodorsal antenna; pair of ventral palps
Eunicidae	E	М	J	А		V	articulated, hinged jaws	external, but poorly studied	dorsal pair may be present	5 antennae or palps; some may be lost
Euphrosinidae	Е	М	J	R	ridges	V	pharynx with cuticular ridges	complex, supported by caruncles	often present	small pair of lateroventral antennae
Fabriciidae	N				С	А	no pharynx, ciliated mouth and gut	one pair of pits dorsal to the mouth	eyespots on peristomium and pygidium	no antennae; radioles and ventral filamentous appendages likely have additional chemo- and mechanosensory cells
Fauveliopsidae	N	N	U		С	V	dorsolateral ciliary folds; no pharygeal organ	external tufts, but L. norvegica has ciliated pits	ocellar tubes	no head appendages
Flabelligeridae	Е	М	U		С	V	dorsolateral ciliary folds; ventral pharynx	present	up to four	pair of palps and filamentous branchiae
Glyceridae	E	М	J	G	Р	A	long eversible muscular pharynx with 4 venomous fangs	invaginated, eversible, poorly studied	absent	2 pairs short anterior antennae
Golfingiidae, Sipuncula	E	М	U		Т	А	introvert with variable tentacles	external; bulbous	ocular tubes	
Goniadidae	E	М	J	G	Р	A	very long eversible pharynx with numerous grasping teeth	present	may be present	2 pairs short anterior antennae
Hartmaniellidae	E	М	J	A	?	V	pharynx with hinged jaws	small, pad-like, covered by lateral lappets	absent	
Hesionidae	E	М	U, J	Т		А	most unarmed but variation among those with teeth	external bands	one pair may be present	pair of palps and pair of antennae; some have medial antenna
Histriobdellidae	E	М	J	Α		V	pharynx with hinged jaws	unknown	absent	pair of palps and three antennae

Family	sub-category (if applicable)	# species		Body size		Habitat		Motility		Feeding mode	Foor	d delivered by:
railily	арріісавіе)	# species		Dody Size		ianiai		Mounty		r cearing mode	F'00	a delivered by.
			I = interstitial; S = small (< ~2 cm); M = medium; L = large (> ~20 cm) P = pelagic; E = epifaunal; I = infaunal; S = symbiotic D = discretely motile S = sessile			A = macro; O = omnivore; S = notroph, P = parasitic	T = tentacle/palps, M = mucus r P = muscular eversible pharynx = nonmuscular eversible pharyn = ramified or lamellar surfaces; other (e.g., non-eversible pharyn					
Ichthyotomidae		1	S	up to 1 cm	S	parasitic on eels	D	poorly understood	Р	parasitic	Р	
Ikedidae, Echiura		~3	L	up to 40 cm	1	in sediments	D	burrow-dwelling	1	surface deposit feeder	Р	spatulate proboscis
Iospilidae		4	s	< 1 cm	Р	upper photic zone,	М	swimming	А	herbivore on microalgae;	Р	
Iphionidae		9	s	1-3 cm long	Е	midwaters on varied substrata	М	crawling	A	carnivore presumably carnivores	Р	
Lacydoniidae		10	s	< 1 cm	I, E?	soft and mixed sediments and hard substrata	М	presumably motile	A	presumably carnivores	P	
Laetmonectidae		1	?		?		D?		I?	deposit feeder?	?	
Longosomatidae		7	М	1-5 cm	1	in soft sediments	M?, D?	presumably burrowers	I?	may be subsurface deposit feeders?	?	presence of palps is questionable
Lopadorrynchidae		19	s	few mm to few cm	Р	upper and mid-water	М	swimming	Α	herbivore on microalgae; carnivore?	Р	4-55-55-55-55
Lumbrineridae		>300	M, L		I, E	most infaunal	M; D	burrowing; some discretely motile in burrows	A, I	carnivore; may also be herbivorous or deposit feed	Р	
Magelonidae		70	S	long and very thin	ı	in sands and muds	M; D	mostly burrowing; a few tube-dwelling	I, A?	surface deposit feeder; subsurface deposit feeder; carnivore	Т	two long papillate palps
Maldanidae		~250	S-L	Micromaldane is interstitial; others range in size	ı	in sediments	D	tube-dwelling; can extend tube and re-burrow	I	subsurface deposit feeding; funnel feeding; rare suspension feeding; small worms feed on labile material	N	non-muscular pharynx or dorsolateral ciliary folds
Mycomyzostoma, Myzostomida		1	S	4.5-9 mm diameter	S	cyst-forming on crinoids	S	inhabits galls on crinoids	Р	parasitic	Р	
Myzostomidae, Myzostomida		~140	S	up to a few mm	S	commensal	D, S	discretely motile external on host; sessile in galls or cysts	Р	kleptoparasitic or parasitic	Р	muscular eversible pharynx with pumping muscle bulb
Nephtyidae		~110	S-L	variable	I	in soft sediments	M, D?	burrowers, crawlers, swimmers	Α	primarily carnivores; some may deposit feed	Р	
Nereididae		>500	M-L	variable; most medium to large	I, E	most infaunal but in varied habitats	M, D	burrowers, crawlers, swimmings; some burrow- dwelling	0	highly omnivorous	Р	
Nerillidae		50	ı	interstitial	- 1	in varied sediments	М	mostly ciliary gliding	I, A	labile material	Р	
Oenonidae		~100	L	can be up to 1 m	I, P	in muds and sands; parasitic	M, D, S	burrowing, crawling; parasitic forms presumably less motile	A, P	carnivore; parasite	Р	
Onuphidae		318	L	can be large	I, E	in soft sediments, on varied substrata	D, M	many tubicolous, some crawl	A, O	herbivore on macroalgae and seagrasses; some scavengers; some evidence of detrivory	Р	
Opheliidae		135	М	up to > 7 cm	- 1	in sediments	М	burrowing, swimming	I	subsurface deposit feeders	N	
Orbiniidae		>150	S-M	up to 30 cm long	ı	in sediments	М	burrowing	I	subsurface deposit feeders	N, P	muscular pharynx replaced by nonmuscular ciliated pharynx in adults
Oweniidae		55	S-M	< 1 up to 10 cm	ı	in sediments	D	tubicolous but can move tubes	I	suspension feeder; surface deposit feeder	Т	tentacular crown, palps, or lips

Family				Pharyngeal/int	rovert structu	ıre		Nuchal Organs	Eyes	Other anterior sensory stuctures
	eversible (E); non- eversible (N); extensible (X)	muscular (M); non- muscular (N)	armed (J); unarmed (U)	(A) articulated jaws, (G) grasping fangs or stylets, (C) crushing teeth, (R) rasping or scraping teeth, (T) assorted other teeth	papillated (P); tentaculate	axial (A); ventral(V); dorsal (D)	additional details	Invaginated. external, absent, unknown, other		write these in, it will be palps, write these in, it will be palps, tentacles, antennae and need number of each, length to body width <, = or > 1
Ichthyotomidae	E	М	J	А		V	modified hinged, scissor- like jaws and oral suction cup to attach to host	may be present	cephalic with lenses	pair of palps and three antennae
Ikedidae, Echiura	Е	М	U		?	Α	spatulate proboscis	unknown	unknown	
Iospilidae	Е	М	U, J	G	Р	Α	unarmed or with laterally opposed fangs	likely absent	pair of lensed eyes	pair of palps or antennae
Iphionidae	Е	М	J	Α	Р	Α	parrot-beak-like jaws with venom glands	external	two pairs	pair antennae; pair palps; facial tubercle and occipital papilla
Lacydoniidae	E	М	U		?	Α	pharynx unarmed but has proboscis glands of unknown function	invaginated slits	may have one pair	pair palps; three antennae
Laetmonectidae	?	?	?			?		?	?	?
Longosomatidae	?	?	?			V	ventral proboscis unstudied	invaginated grooves	likely absent	presence of palps is questionable
Lopadorrynchidae	E	М	U, J	G	?	Α	small mandibles, stylet-like hooks, or no jaws	ciliated knobs, may be eversible	may have a pair of lensed eyes	pair antennae; pair palps
Lumbrineridae	E	М	J	Α		V	pharynx with hinged jaws	invaginated pits	absent in most species	absent in most species
Magelonidae	E	М	U		N?	А	pharynx has radial muscles but not thick bands	absent	absent	2 long palps; no antennae
Maldanidae	E	N	U		С	A, V	ventral dorsolateral ciliary folds or axial nonmuscular pharynx	invaginated slits	may have eyespots	
Mycomyzostoma, Myzostomida	Е	М	U			A?	short proboscis inserts into host axial duct	unknown	absent	
Myzostomidae, Myzostomida	E	М	U		N	А	retractile muscular proboscis	absent	absent	sensory cilia and sucker-like lateral organs
Nephtyidae	Е	М	J	С	Р	Α	crushing teeth posterior of the pharynx tip	external protrusions	may be present	pair short antennae; pair short palps
Nereididae	E	М	J	Α	Р	А	jaws complexly articulating but not hinged	invaginated pits	may have two pairs	most have 3 antennae; two palps
Nerillidae	Е	М	J, U	R	С	V	very small teeth or rods for rasping	invaginated pits	may have one or two pairs	pair of palps; up to 3 antennae
Oenonidae	E	М	J	A	?	V	hinged jaws may be reduced in parasitic species	invaginated eversible pits or knobs	may have up to two pairs	absent in most species
Onuphidae	E	М	J	А	?	V	hinged jaws; also have lower lip and labial palps	invaginated grooves	may have single pair	2 frontal, 5 occipital antennae
Opheliidae	Е	N	U		С	Α	shape varies from bubble- like to tentaculate	invaginated pits, eversible	may have segmental and cephalic ocelli	some have a small anterior palpode
Orbiniidae	Е	N, M	U		С	A, V	juveniles have ventral muscular pharynx; adults have axial, nonmuscular ciliated	invaginated slits	often one pair	no anterior appendages
Oweniidae	N	М	U		С	٧	eversible pharynx used in tube building, not feeding	absent	absent	

Family	sub-category (if applicable)	# species		Body size		Habitat		Motility		Feeding mode	Foo	d delivered by:
				stitial; S = small (< ~2 = medium; L = large (> ~20 cm)		agic; E = epifaunal; I = unal; S = symbiotic	1	M = motile D = discretely motile S = sessile		A = macro; O = omnivore; S = motroph, P = parasitic	T = tentacle P = muscul = nonmuscu = ramified o	/palps, M = mucus net; ar eversible pharynx, N lar eversible pharynx; R r lamellar surfaces; O = non-eversible pharynx)
Paralacydoniidae		2	М	~10 cm	1	infaunal in muds	М	presumably burrowers	A?	may be predators?	Р	
Paraonidae		>140	S	< 4 cm	I	in sediments, primarily in the deep sea	М	burrowing	I	surface/subsurface deposit feeder	N, O	non-muscular pharynx or dorsolateral ciliary folds
Parergodrilidae		2	I	< 1 mm	I	interstitial in soils or high intertidal	М?	presumably motile but no data	I	presumably labile material	N, P	non-muscular or muscular tongue-like pharynx
Pectinariidae		60	М	~1-10 cm	I	in heterogeneous sediments	D	tubicolous	I	subsurface deposit feeders; funnel feeders	Т	tentacles and paleae
Phascolosomatidae, Sipuncula		24	М	up to 12 cm	I	in burrows, crevices or sandy pockets; primarily in dead coral, bathyal species in whale bones, wood, base of tubeworms	D	species burrowing in wood or coral effectively sessile	I	surface deposit feeders	P	introvert with tentacles
Pholoidae		23	S	0.2-3 cm	E, I	shelf and bathyal sediments; some burrow at sediment water interface, also in hard substrate crevices or interstitially	М	motile, will burrow but few data	А	carnivore	P	
Phyllodocidae		400	M-L	most <10 cm, some up to 30 cm	E, I	all substrates and depths	М	active burrowers and crawlers	С	carnivores or scavengers	P	
Pilargiadae		100	S-M		I	infaunal, varied sediments	М	most active burrowers; some commensal in burrows	C?	presumably carnivores but very little data	Р	
Poecilochaetidae		30	S-M	one to several cm	I	soft sediments	D	build Y-, V-, or U-shaped burrows	I	presumably deposit and/or suspension feeders	Т	pair of long palps
Poeobidae		1	S-M	up to 27 mm	Р	midwater	М	weak swimmer	I	suspension feeder	M, T	mucus net and two long palps
Polygordiidae		17	I	< 3 cm; very thin	I	in coarse sands	М	undulatory movements	I, A	labile material; may be carnivorous	N	very weak musculature
Polynoidae		> 750	М	mostly 1-3 cm; can be large	E, S, P	varied	M, D	most crawl, some swim and burrow	A, P, I	most carnivorous, some feed on microbial mats and detritus, some kleptoparasitic	Р	
Pontodoridae		1	S	< 5 mm	Р	upper mixed layer and midwaters	M?	unknown	A?	presumably macrophageous but no data	P?	
Protodrilidae		35	I	< 3 cm, very thin	I, P	most interstitial in coarse sands; one swims in caves	М	ciliary gliding, undulatory swimming, duo-gland adhesive system	I, S	Protodrilus feeds on labile material; Astomus uptakes DOC	P, R	some lack pharynx
Protodriloididae		2	I	1-2 cm, very thin	I	sandy beaches	М	muscular, ciliary crawling	I, A	labile material; may be carnivorous	0	muscular suction pharynx
Protomyzostomatidae		6	S	up to 1.3 mm	S	in brittlestars and basketstars	S	limited mobility within host	Р	endoparasitic	Р	2

Family				Pharyngeal/int	rovert structu	ıre		Nuchal Organs	Eyes	Other anterior sensory stuctures
	eversible (E); non- eversible (N); extensible (X)	muscular (M); non- muscular (N)		(A) articulated jaws, (G) grasping fangs or stylets, (C) crushing teeth, (R) rasping or scraping teeth, (T) assorted other teeth	ciliated(C); papillated (P); tentaculate	axial (A); ventral(V); dorsal (D)	additional details	Invaginated. external, absent, unknown, other		write these in, it will be palps, write these in, it will be palps, tentacles, antennae and need number of each, length to body width <, = or > 1
Paralacydoniidae	E	М	U		Р	А		may be present as smal knobs in depressions	I may have anterior eyespots	pair small antennae; pair small palps
Paraonidae	E, N	N	U		С	A, V	non-muscular axial pharynx or ventral non-eversible dorsolateral ciliary folds	invaginated slits	often present	single long median antenna; may have eversible anterior palpode
Parergodrilidae	E	M, N	U		N	V	adhesive tongue; reduced muscle in Stygocapitella and non-muscular in Parergodrilus	present in Stygocapitella; absent in Parergodrilus	none (?)	
Pectinariidae	E	М	U		С	V	ciliated buccal cavity and buccal tentacles	present	can be present in juveniles	paleae and cephalic veil
Phascolosomatidae, Sipuncula	E	М	J, U	R		A	hooks on introvert for scraping	external, dorsal, conical or hemispherical, surrounded by tentacles	ocellar tubes	tentacles around nuchal organ
Pholoidae	E	M	J	А	Р	А	4 hooked teeth; 9 pairs of terminal papillae	not observed	two pairs often present	median antenna, often two lateral antennae; palps arise ventral to tentaculophores found on the first segment
Phyllodocidae	E	М	U	T	P	A	terminal papillae and papillae elsewhere on pharynx; some species with teeth	variable including nuchal papilla, pits, posterior prostomial lobes, or eversible structures	single pair of lensed eyes.	paired antennae and palps, anteriorly-oriented cirri. Medial antenna or nuchal papilla may be presen
Pilargiadae	E	М	J, U	T, G	P, N	A	terminal papillae and papillae elsewhere on pharynx; some species with teeth	invaginated slits when present	up to 5 pairs	0, 2, or 3 dorsal antennae; 2 ventral palps, may be fused
Poecilochaetidae	E	М	U		С	V	short pharynx	external as mound or lobes	may have two pairs	pair of long ciliated grooved palps; medial appendage projects from upper lip; most setigers have interramal sense organs
Poeobidae	E	М	U		С	V?	flexible tongue	external ridges		pair of long palps
Polygordiidae	E	N	U		С	V	dorsolateral ciliary folds, very weak musculature	ovoid	none	pair of anterior appendages
Polynoidae	E	М	J	А	Р	A	pair of beak-like jaws	present, poorly documented	two pairs	many - paired lateral antennae, medial antennae, frontal tubercle, ventral palps
Pontodoridae	E	М	U		Р	А	ring of papillae on tip and additional pointed papillae	external, globular	one pair	pair dorsolateral antennae, pair ventrolateral palps
Protodrilidae	E	М	J	R	С	V	Protodrilus have a grating plate for scraping; Astomus lack mouth and gut	present, variable	may have a pair of eyes	pair of palps
Protodriloididae	?	М	U		?	V		present	none?	pair of palps
Protomyzostomatidae	N, X	М	U		?	А	no proboscis but some protrusion of pharynx occurs	absent	absent	small lateral organs

	sub-category (if											
Family	applicable)	# species		Body size		Habitat		Motility		Feeding mode	Foo	d delivered by:
				stitial; S = small (< ~2 = medium; L = large (> ~20 cm)		agic; E = epifaunal; I = unal; S = symbiotic	C	M = motile 0 = discretely motile S = sessile		A = macro; O = omnivore; S = notroph, P = parasitic	T = tentacle/palps, M = mucu P = muscular eversible phary = nonmuscular eversible phar = ramified or lamellar surfaces other (e.g., non-eversible pha	
Psammodrilidae		5	I	< 8 mm long	I	in coarse sediments	M, D	variable among species	I, O	labile material; collar region may absorb dissolved material	P, O	suction by eversible or non-eversible pharynx
Pseudocirratulidae		1	М	14.5 cm	I	intertidal	М	probably motile	I?	morphology suggests subsurface deposit feeding	?	presumably muscular or non-muscular pharynx
Pulvinomyzostomatidae		3	S	< 6 mm long	S	crinoid host	D	females restricted to mouth region of host	Р	kleptoparasitic	Р	retractile muscular proboscis
Sabellariidae		130	S-M	most 1-6 cm	E	build tubes of sand, some live on mud	S	tube-building	I	passive suspension feeder; may also surface deposit feed	Т	palps and oral filaments
Sabellidae		465	S-L	typically 1-10 cm but variable	E, I	on hard substrata; infaunal in sediments	S	tubicolous	ı	mixed (active/passive) suspension feeder	Т	tentacular crown
Saccocirridae		22	I	0.3 - 2 cm long	I	coarse sands	М	ciliary to inch-worm-like crawling; swimming	I, A	labile material; herbivorous or carnivorous	P, O	Pharyngocirrus has muscular pharynx; Saccocirrus does not
Scalibregmatidae		100	М	most 1-5 cm long but some variability	I	mostly soft muds	М	burrowing, swimming	I	subsurface deposit feeders; may cache surface sediments	N	
Serpulidae		~670	S-L	2 mm to > 10 cm long	E	epibenthic in tubes	S	tubicolous	I	mixed (active/passive) suspension feeder	Т	radioles
Siboglinidae		~180	S-L	varies with morphotype	E, I	epibenthic or infaunal in tubes	S	tubicolous	S	osmotroph	R	
Sigalionidae	pisionid morphotype	210 total	S		ı	most sands but varied	М	crawl interstitially	А	carnivore	Р	
	others		М	2-20 cm long	I	most soft sediments, but varied	M, D	most burrow, some construct tubes or crawl	А	carnivore	Р	
Siphonosomatidae, Sipuncula		11	M-L	5-50 cm long	I	soft sediments	М	burrowing	I	subsurface deposit feeders; may surface feed as well	Р	introvert
Sipunculidae, Sipuncula		11	L	up to 45 cm long	1	soft sediments	М	burrowing	ı	primarily subsuface deposit feeders	P, T	oral tentacles and eversible introvert
Sphaerodoridae		~110	I-M	some < 5 mm; some up to 5 cm long	I, S	surficial sediments; some commensal	M, D?	poorly understood	A, P	likely carnivorous or parasites but not well understood	Р	
Spintheridae		12	S-M	discoidal, up to 5 cm long	S	external commensal, mostly on sponges	D	weak motility	Р	parasitic or kleptoparasitic	Р	tongue extends without turning inside out
Spionidae		552	S-M	typically 1-3 cm long		most infaunal; some epifaunal on hard substrata or commensal	D, M, S	most discretely motile in tubes; a few are more motile; boring species are unlikely to create a new tube	I	suspension feeding, surface deposit feeding; occasional limited microphagy	Т	pair of palps
Stelechopodidae, Myzostomida		1	S	3.5 mm long	S	on stalked crinoids	D	can likely switch hosts	Р	may be kleptoparasitic	0	non-eversible pharynx
Sternaspidae		23	S	up to 3 cm	I	in soft sediments	М	burrowing	I	subsurface deposit feeders	Р	resembles introvert
Syllidae		735	S	most very small; a few up to > 5 cm	E, I, S	mostly epifaunal, but variable	M, D	crawling, burrowing	A, O, P	omnivorous on rich diets	Р	

Family				Pharyngeal/intr	overt structu	ıre		Nuchal Organs	Eyes	Other anterior sensory stuctures
	eversible (E); non- eversible (N); extensible (X)	muscular (M); non- muscular (N)	armed (J); unarmed (U)	(A) articulated jaws, (G) grasping fangs or stylets, (C) crushing teeth, (R) rasping or scraping teeth, (T) assorted other teeth	papillated (P); tentaculate	axial (A); ventral(V); dorsal (D)		Invaginated. external, absent, unknown, other		write these in, it will be palps, write these in, it will be palps, tentacles, antennae and need number of each, length to body width $<$, = or $>$ 1
Psammodrilidae	E, N	М	U			V	some vacuum feed	ciliated pits	may have two pairs	no anterior appendages but have elongate thoracic cirri and apical sensory organ
Pseudocirratulidae	E?	?	U?		?	V?		unknown	unknown	may have branchiae
Pulvinomyzostomatidae	N, X	М	U		С	A, V, D	retractile proboscis	absent	absent	lateral organs
Sabellariidae	N	N	U		С	V	oral filaments and palps	present	may be present	no antennae; may have median cirrus; pair of palps
Sabellidae	N	N	U		С	V		invaginated pits	some have compound eyes on tips of radioles; may have pair anterior eyespots	
Saccocirridae	E, N	M, N	U		С	V	dorsolateral ciliary folds	external, oval, elongated	2 small	2 innervated palps
Scalibregmatidae	E	N	U		С	А		invaginated, eversible and/or grooved	may have one pair	no antennae
Serpulidae	N	N	U		С	V	no buccal organ, ciliated esophagus	single	compound and simple; varied locations	tentacular crown
Siboglinidae	absent						no mouth or digestive system; trophosome	absent	absent	palps with varying structure
Sigalionidae	E	М	A, U	Α	Р	А	4 hooked teeth form a pair of beak-like jaws; Anaplopisione is unarmed	not observed	one pair around 2nd or 3rd segment	ventral palps, dorsal ventral cirri; may have median or paired frontal antenna
	E	М	Α	A	Р	А	4 hooked teeth form a pair of beak-like jaws	external pads	may have two pairs	pair palps; pair anterolateral antennae, median antennae
Siphonosomatidae, Sipuncula	E	М	A, U	G	Р	Α	may have hooks; prominent papillae	external, ridged	ocellar tubes	tentacular crown
Sipunculidae, Sipuncula	E	М	U		Р	Α	tentacles are short	invaginated pits	ocellar tubes; tentacular ocelli	tentacles around mouth
Sphaerodoridae	E	М	U		Р	А	some variation in muscular development	invaginated, eversible	up to two pairs	5 antennae or palps, often two elongate papillae
Spintheridae	E	М	U			V	extendable tongue, weakly muscular	unknown	usually 4 eyes	medial antenna
Spionidae	Е	N, M	U		С	A, V	non-muscular axial pharynx or ventral muscular pharynx with dorsolateral ciliary folds	present	one or several pairs	pair of palps; may have lateral horns and/or a medial antenna
Stelechopodidae, Myzostomida	N	M?					small pharynx nonretractile, may be slightly extensible	absent (?)	absent (?)	may have lateral organs
Sternaspidae	E	М	J	external spines	N	А	introvert comprised of anterior 5-6 setigers; spines on introvert	absent (?)	may have eyespots (?)	no appendages
Syllidae	E	М	U, J	Т	Р	Α		variable; invagination or external	two pairs eyes	median, two lateral antennae; two palps

Family	sub-category (if applicable)	# species		Body size		Habitat		Motility		Feeding mode	Foo	d delivered by:
			I = interstitial; S = small (< ~2 cm); M = medium; L = large (> ~20 cm)		P = pelagic; E = epifaunal; I = infaunal; S = symbiotic		M = motile D = discretely motile S = sessile		I = micro; A = macro; O = omnivore; S = osmotroph, P = parasitic		T = tentacle/palps, M = mucus net; P = muscular eversible pharynx, N = nonmuscular eversible pharynx; R = ramified or lamellar surfaces; O = other (e.g., non-eversible pharynx)	
Terebellidae		550	M-L	up to 40 cm	I, E	in and on sediments and hard substrata	D, M, S	mostly tube-dwelling; can burrow, extend tubes, nestle in crevices, and swim	I	most surface deposit feeders; some species also suspension feed or subsurface deposit feed	Т	very long tentacles
Thalassematidae		~80	М	a few can get larger	I	soft sediments, mixed substrata, crevices	D	burrow-dwelling; most can re-burrow	I	surface deposit feeder; cacher	Р	long proboscis
Tomopteridae		~50	S-M	0.5-13.5 cm long	Р	upper mixed layer	М	strong swimmers	А	carnivores; herbivores on diatoms	Р	
Trichobranchidae		~70	М	most 1-3 cm, a few larger	I	soft sediments	M, D	burrowing; tube-dwelling	I	subsurface deposit feeders	Т	short buccal tentacles
Trochochaetidae		13	S-M	1-10 cm	I	soft sediments	D	tube-dwelling	I	likely surface deposit feeder, may also suspension feed	Т	palps
Typhloscolecidae		20	S-M	0.5-4 cm long	Р	mostly upper mixed layer but throughout water depths	M, D?	poorly understood	Р	parasitic on chaetognaths	Р	
Uncispionidae		2	S	< 2 cm long	I	soft sediments	D?	may be tube-dwelling	I	surface deposit feeder (?)	Р	palps
Urechidae		4	L	10-50 cm	I	sediments	D	burrow-dwelling	I	active suspension feeder	М	mucus net (has proboscis)
Yndolaciidae		3	S	0.2-1 cm	Р	midwater and bottom boundary layer	M, D?	undescribed	A?	may be carnivores	Р	

Family	Pharyngeal/introvert structure							Nuchal Organs	Eyes	Other anterior sensory stuctures		
	eversible (E); non- eversible (N); extensible (X)	muscular (M); non- muscular (N)	armed (J); unarmed (U)	(A) articulated jaws, (G) grasping fangs or stylets, (C) crushing teeth (R) rasping or scraping teeth (T) assorted other teeth	s ciliated(C); papillated n, (P); tentaculate	axial (A); ventral(V); dorsal (D)	additional details	Invaginated. external, absent, unknown, other	# simple cephalic photoreceptors; note if image-forming, on appendages or on body	write these in, it will be palps, write these in, it will be palps, tentacles, antennae and need number of each, length to body width <, = or > 1		
Terebellidae	N	М	U		T, C	V	dorsolateral ciliary folds in juveniles develops into buccal tentacles	poorly understood; absent/present in different species	multiple	buccal tentacles		
Thalassematidae	E	М	U		С		very long proboscis	other (sensory cells)	absent			
Tomopteridae	E	М	U		P, N	Α	variability in papillae	external epaulettes	pair with lenses	long parapodial cirri extend from 2nd segment		
Trichobranchidae	N	М	U		T, C	V	tentacles mostly ciliated but sometimes not	present in some species but not well studied	may be present			
Trochochaetidae	E?	N?	U		С	А	simple pharynx	invaginated slits	one or two pairs	may have medial antenna		
Typhloscolecidae	E	М	U		N ?	A	papillae not observed	external epaulettes	absent	may have median antenna or palpode		
Uncispionidae	E	?	U		С	Α	slender conical projections on everted pharynx	maybe invaginated slits	absent	may have medial antenna		
Urechidae	E	М	U			Α	short proboscis	other (sensory cells)	absent			
Yndolaciidae	Е	М	U		?	Α	short; poorly studied	external, projecting	absent	no antennae or palps		