

Supplementary Table 4. All species included in the analysis, along with key attribute information. Attribute information were initially extracted from the FishBase⁶, SeaLifeBase⁷, and/or Encyclopedia of Life (EOL)⁸ online databases; additional references used to check initial values and fill in missing information are noted.

Scientific Name	Common Name	Minimum Temperature	Maximum Temperature	L_{∞}	K	Additional References
FISH						
<i>Acanthopagrus berda</i>	Goldsilke seabream	14.6	25.7	56	0.29	
<i>Acanthopagrus latus</i>	Yellowfin seabream	4.9	38.2	35.2	0.17	
<i>Acanthopagrus schlegelii</i>	Blackhead seabream	10.4	26.3	50	0.22	
<i>Acipenser gueldenstaedtii</i>	Danube (diamond) sturgeon	10	20	236	0.04	www.orchardfisheries.co.uk/
<i>Acipenser nudiventris</i>	Fringebarbel sturgeon	10	20	200	0.07	
<i>Acipenser stellatus</i>	Starry sturgeon	10	20	218.7	0.08	www.sturgeon-web.co.uk/
<i>Acipenser transmontanus</i>	White sturgeon	10	23.3	610	0.04	Crocker & Cech ⁹ , Conte ¹⁰
<i>Anarhichas lupus</i>	Atlantic wolffish	0	13	152	0.09	O'Dea <i>et al.</i> ¹¹
<i>Anarhichas minor</i>	Spotted wolffish	4	12	190	0.1	Imsland <i>et al.</i> ¹² ; Foss <i>et al.</i> ¹³
<i>Anguilla anguilla</i>	European eel	4	33	152.8	0.24	Sadler ¹⁴
<i>Anguilla rostrata</i>	American eel	4	25	120	0.33	
<i>Anoplopoma fimbria</i>	Sablefish	1.8	14.6	120	0.25	
<i>Argyrosomus japonicus</i>	Japanese meagre	12	28	200	0.14	
<i>Argyrosomus regius</i>	Meagre	11.9	23	185.5	0.14	

<i>Atherina boyeri</i>	Big-scale sand smelt	6	25	10.9	0.62	
<i>Bolbometopon muricatum</i>	Green humphead parrotfish	26.3	29	125	0.12	
<i>Carangoides malabaricus</i>	Malabar trevally	19.9	28.4	37.3	0.82	
<i>Caranx hippos</i>	Crevalle jack	9.6	27.8	80	0.65	
<i>Caranx sexfasciatus</i>	Bigeye trevally	21	30	74.1	0.24	Gilbey ¹⁵
<i>Centropomus undecimalis</i>	Common snook	25	31	140	0.4	
<i>Chaetodipterus faber</i>	Atlantic spadefish	2.5	28	50.4	0.34	
<i>Chanos chanos</i>	Milkfish	15	42.5	180	1.03	https://www.spc.int/aquaculture/ ; http://www.fao.org/fishery/culturedspecies/search
<i>Chelon macrolepis</i>	Largescale mullet	20	28.9	23	0.1	http://www.fao.org/fishery/culturedspecies/search
<i>Coregonus lavaretus</i>	European whitefish	4	29.8	59.7	0.38	Vielma <i>et al.</i> ¹⁶
<i>Coryphaena hippurus</i>	Common dolphinfish	21	30	157.9	1.67	
<i>Cromileptes altivelis</i>	Humpback grouper	26.5	29	65.4	0.35	
<i>Dentex dentex</i>	Common dentex	9.7	17.6	100	0.09	
<i>Dentex tumifrons</i>	Yellowback seabream	10.4	26.3	35	0.25	
<i>Dicentrarchus labrax</i>	European seabass	8	24	77	0.2	
<i>Dicentrarchus punctatus</i>	Spotted seabass	10.5	23.5	70	0.11	
<i>Diplodus puntazzo</i>	Sharpsnout seabream	24.3	24.3	60	0.47	García <i>et al.</i> ¹⁷

Diplodus sargus sargus	White seabream	14.7	18	42.3	0.16	
Diplodus vulgaris	Common two-banded seabream	14.7	19.7	40.8	0.26	
Dormitator latifrons	Pacific fat sleeper	24.6	33	41	0.57	
Eleutheronema tetradactylum	Fourfinger threadfin	27.6	27.7	128.7	0.37	
Epinephelus akaara	Hong Kong (redspotted) grouper	19	30.2	54.5	0.36	
Epinephelus areolatus	Areolate grouper	18.5	28.6	40.6	0.31	http://library.enaca.org/Grouper/Research/Breeding/2000/0803.htm
Epinephelus coioides	Orange-spotted grouper	17	35	108	0.15	Lin <i>et al.</i> ¹⁸
Epinephelus fuscoguttatus	Brown-marbled grouper	10	36.5	113.3	0.18	Cheng <i>et al.</i> ¹⁹
Epinephelus lanceolatus	Giant grouper	26.3	26.3	270	0.36	Hseu <i>et al.</i> ²⁰
Epinephelus malabaricus	Malabar grouper	19	30.2	163.6	0.8	
Epinephelus tauvina	Greasy grouper	17	29.2	115.4	0.13	http://library.enaca.org/Grouper/Research/Breeding/2000/0803.htm
Evynnis japonica	Crimson seabream	10.4	26.3		0.22	
Gadus morhua	Atlantic cod	0	15	115	0.19	Schurmann and Steffensen ²¹ ;
Gnathanodon speciosus	Golden trevally	23	29.3	108.2	0.39	saltwater.aquafish.net/?gold-trevally
Hippoglossus hippoglossus	Atlantic halibut	0.9	18	470	0.08	Stuart <i>et al.</i> ²²
Huso huso	Beluga	10	20	800	0.04	
Konosirus punctatus	Dotted gizzard shad	8.5	27.2	19.7	0.27	
Larimichthys crocea	Large yellow croaker	9	30	80	0.32	

Lateolabrax japonicus	Japanese seabass	13	23	25	0.18	
Lates calcarifer	Barramundi	15	38	176	0.39	
Lethrinus miniatus	Trumpet emperor	21	29.3	80	0.3	
Liza aurata	Golden grey mullet	10.8	18.8	56	0.25	
Liza ramada	Thinlip grey mullet	8	24	62.5	0.26	
Liza saliens	Leaping mullet	9	32	30.5	0.25	Katselis <i>et al.</i> ²³
Lutjanus argentimaculatus	Mangrove red snapper	16	30	119.5	0.19	
Lutjanus goldiei	Papuan black snapper	18.3	27.2	100	0.28	
Lutjanus johnii	John's snapper	20.8	26.8	70	0.21	
Lutjanus russelli	Russell's snapper	23.3	26.4	45	0.56	
Megalops atlanticus	Tarpon	4.3	27.5	189.5	0.09	
Melanogrammus aeglefinus	Haddock	2	15.5	74.5	0.27	
Miichthys miiuy	Mi-iuy (brown) croaker	6	25	70	0.32	
Morone saxatilis	Striped bass	6.4	25	200	0.19	Breitburg <i>et al.</i> ²⁴
Mugil cephalus	Flathead grey mullet	8	24	71.2	0.29	
Mugil curema	White mullet	10	29.3	28	0.57	txstate.fishesoftexas.org/
Muraenesox cinereus	Daggertooth pike conger	10	27.9	111.2	0.37	Golani and Ben-Tuvia ²⁵
Mycteroperca bonaci	Black grouper	16	28	133.3	0.15	www.sms.si.edu/irlspec/Mycter_bonaci.htm
Oncorhynchus gorboscha	Pink salmon	0.3	21	76	0.54	Raleigh ²⁶
Oncorhynchus keta	Chum salmon	0	23.7	95	0.35	

Oncorhynchus kisutch	Coho salmon	0	24.8	98	0.98	Carter ²⁷
Oncorhynchus mykiss	Rainbow trout	0	29	89.5	0.54	Molony ²⁸ ; Elloitt ²⁹
Oncorhynchus nerka	Sockeye salmon	0	24.9	84	0.48	
Oncorhynchus tshawytscha	Chinook salmon	0	24.9	120.8	0.54	
Pagellus bogaraveo	Blackspot seabream	9.8	19.7	35.3	0.14	
Pagellus erythrinus	Common pandora	7.1	20.2	37.6	0.2	
Pagrus auratus	Silver seabream	9.2	29.3	130	0.13	
Pagrus major	Red (Japanese) seabream	7.7	22	100	0.15	Foscarini ³⁰ ; Ishibashi <i>et al.</i> ³¹ ; Woo and Fung ³²
Pagrus pagrus	Red porgy	8.3	25.4	62.9	0.18	
Paralichthys olivaceus	Bastard halibut	14	23	103	0.15	
Platax orbicularis	Orbicular batfish	22	28	53.3	0.56	
Platichthys flesus	European flounder	5	25	43.3	0.37	
Plectropomus maculatus	Spotted coralgroup	22	28.9	100.3	0.21	
Pleurogrammus azonus	Okhotsk atka mackerel	10	29	50	0.35	
Pleuronectes platessa	European plaice	2	25	100	0.15	Freitas <i>et al.</i> ³³
Pollachius pollachius	Pollack	6.5	12.3	130	0.19	
Polydactylus sexfilis	Sixfinger threadfin (moi)	25.3	40	60.7	0.56	Halwart and Gupta ³⁴
Pomatomus saltatrix	Bluefish	6.1	27.4	103	0.17	
Psetta maxima	Turbot	8	20	60.3	0.29	Imslund <i>et al.</i> ³⁵ ; Burel <i>et al.</i> ³⁶

Pseudocaranx dentex	White trevally	13.3	26.3	89.3	0.22	
Pseudopleuronectes americanus	Winter flounder	0.8	23.9	39.7	0.38	
Rachycentron canadum	Cobia	26	32	152.8	0.33	Kaiser & Holt ³⁷
Rhabdosargus sarba	Goldlined seabream	21.1	26.9	63.1	1.36	
Salmo salar	Atlantic salmon	2	28	128.6	0.37	Elliott & Elliott ³⁸ ; http://www.fao.org/fishery/culturedspecies/salmon
Salmo trutta	Sea (brown) trout	0	24	69.2	0.29	Elliott ³⁹ ; Molony ; Elliott & Elliott ³⁸ , Elliott ²⁹
Salvelinus alpinus alpinus	Arctic char	4	22	92.5	0.04	Elliott & Elliott ³⁸
Salvelinus fontinalis	Brook trout	0	25	67.5	0.32	Raleigh ⁴⁰ ; Elliott ²⁹
Sciaenops ocellatus	Red drum	9.6	26	104.5	0.4	
Sebastes schlegelii	Korean (Schlegel's) rockfish	15	24	65	0.27	
Seriola dumerili	Greater amberjack	3.2	26.8	144	0.23	
Seriola quinqueradiata	Japanese amberjack	18	29	150	0.44	
Seriola rivoliana	Longfin yellowtail (Almaco jack)	18	26.9	114.7	0.56	
Siganus canaliculatus	White-spotted spinefoot	21	34	27.7	1.87	Grandcourt <i>et al.</i> ⁴¹
Siganus guttatus	Goldlined spinefoot	24	28	39	1.66	
Siganus javus	Streaked spinefoot	25	28	44.6	0.56	
Siganus rivulatus	Marbled spinefoot	15	28.7	40	0.46	Galil ⁴²

<i>Solea senegalensis</i>	Senegalese sole	15	21	60	0.18	Campos <i>et al.</i> ⁴³
<i>Solea solea</i>	Common sole	5.7	27	50.3	0.35	Pörtner <i>et al.</i> ⁴⁴
<i>Sparidentex hasta</i>	Sobaity seabream	17.8	26.3	66.5	0.35	
<i>Sparus aurata</i>	Gilthead seabream	11.5	22.7	70	0.3	
<i>Takifugu rubripes</i>	Tiger pufferfish	10	29	80	0.52	
<i>Thunnus albacares</i>	Yellowfin tuna	15	31	180.6	0.38	NOAA Fisheries ⁴⁵
<i>Thunnus maccoyii</i>	Southern bluefin tuna	5	30	212.7	0.14	Patterson <i>et al.</i> ⁴⁶ ; http://www.fao.org/fishery/topic/16082/en
<i>Thunnus orientalis</i>	Pacific bluefin tuna	13.6	29	50	0.16	
<i>Thunnus thynnus</i>	Atlantic bluefin tuna	2.8	31	298	0.12	www.newworldencyclopedia.org/entry/Bluefin_tuna
<i>Tilapia guineensis</i>	Guinean tilapia	14	33	30	2.13	http://www.fao.org/fishery/culturedspecies/search
<i>Trachinotus blochii</i>	Snubnose (silver) pompano	20	31	96.7	0.56	Kalidas <i>et al.</i> ⁴⁷ ; Wen <i>et al.</i> ⁴⁸
<i>Trachinotus carolinus</i>	Florida pompano	13.2	25.9	64	0.27	
<i>Trachinotus goodei</i>	Great pompano	12	34	150	0.29	Jory <i>et al.</i> ⁴⁹
<i>Trachurus japonicus</i>	Japanese jack mackerel	10	29	31.7	0.35	
<i>Umbrina cirrosa</i>	Shi drum	9.6	26	73	0.63	
BIVALVES						
<i>Aequipecten opercularis</i>	Queen scallop	4.9	19.2	11	0.74	

Anadara grandis (tuberculosa)	Grand ark	26	37.5	63.2	0.14	Broom ⁵⁰ ; Stern-Pirlot and Wolff ⁵¹
Anadara granosa	Blood cockle	25	32.8	9	1.8	Brom ⁵² ; Yurimoto <i>et al.</i> ⁵³
Anadara tuberculosa	Black ark	22	31	63.2	0.71	Nieves-Soto <i>et al.</i> ⁵⁴ ; Stern-Pirlot & Wolff ⁵¹
Argopecten purpuratus	Peruvian calico scallop	16	20	12	2.32	Navarro <i>et al.</i> ⁵⁵
Argopecten ventricosus	Pacific calico scallop	20	29	17.5	0.6	Maeda-Martínez <i>et al.</i> ⁵⁶
Aulacomya ater	Cholga mussel	0	25.6	6.3	0.35	Urban ⁵⁷
Cerastoderma edule	Common edible cockle	6.8	12	5.6	0.58	
Chamelea gallina	Striped venus	6.5	13.1	5	0.43	
Chlamys varia	Variegated scallop	3.5	19.2	9	0.57	
Choromytilus chorus	Choro mussel	20	26.3	5	0.35	Urban ⁵⁷
Crassostrea gasar	Gasar cupped oyster	18	26	15.4	1.58	Ramos <i>et al.</i> ⁵⁸
Crassostrea gigas	Pacific cupped oyster	15	30	45	1.15	
Crassostrea iredalei	Slipper cupped oyster	14	34	9	1.58	
Crassostrea madrasensis	Indian backwater oyster	30	45	11.6	1.44	Rajagopal <i>et al.</i> ⁵⁹ ; Alam & Das ⁶⁰
Crassostrea rhizophorae	Mangrove cupped oyster	24.8	24.8	12	2.79	
Crassostrea virginica	American cupped oyster	-1.6	24.3	30	0.88	
Cyclina sinensis	Oriental cyclina	20	35	5	0.87	Ying-Jie ⁶¹
Hippopus hippopus	Bear paw clam	24.7	29.2	40	0.15	

<i>Lyropecten subnodosus</i>	Pacific lion's paw	15.5	25.1	17.8	0.55	Arellano-Martinez <i>et al.</i> ⁶²
<i>Mactra glabrata</i>	Smooth mactra	10	30	27.6	0.02	
<i>Mactra veneriformis</i>	Globose clam	10	30	27.6	0.02	Yu <i>et al.</i> ⁶³ ; Nakano <i>et al.</i> ⁶⁴
<i>Mercenaria mercenaria</i>	Northern quahog (Hard clam)	9.2	24.4	13	0.33	
<i>Meretrix lusoria</i>	Japanese hard clam	5.5	15.9	5	0.47	
<i>Mya arenaria</i>	Sand gaper	4.7	23.6	10	0.29	
<i>Mytilus chilensis</i>	Chilean mussel	12	16	10.2	0.5	Duarte <i>et al.</i> ⁶⁵ ; Gray <i>et al.</i> ⁶⁶
<i>Mytilus coruscus</i>	Korean mussel	2.9	20	10	0.21	Wang <i>et al.</i> ⁶⁷
<i>Mytilus edulis</i>	Blue mussel	-1.4	23.4	11	0.31	
<i>Mytilus galloprovincialis</i>	Mediterranean mussel	7.6	9	15	0.58	
<i>Mytilus planulatus</i>	Australian mussel	12.3	21.3	6	0.46	Allen ⁶⁸
<i>Mytilus platensis</i>	River Plata mussel	13.7	20.9	9	0.73	
<i>Ostrea chilensis</i>	Chilean flat oyster	14	14	10	1.01	
<i>Ostrea conchaphila</i>	Olympia oyster	6	20	12.5	0.47	
<i>Ostrea edulis</i>	European flat oyster	8.4	11.9	12	1.01	
<i>Panopea generosa</i> (abrupta)	Pacific geoduck	8.5	10.2	12.5	0.47	Hidalgo-De-La-Toba <i>et al.</i> ⁶⁹
<i>Paphia gallus</i>	Rooster venus	21.8	28.3	7.5	0.87	
<i>Patinopecten yessoensis</i>	Yesso scallop	5	23	25	0.93	Gosling ⁷⁰
<i>Pecten fumatus</i>	Southern Australia scallop	12	21	8.6	1.6	Heasman <i>et al.</i> ⁷¹ ; Gwyther and McShane ⁷²

<i>Pecten maximus</i>	Great Atlantic scallop	7.9	15.9	17	0.56	
<i>Perna canaliculus</i>	New Zealand mussel	18.2	18.2	15	0.6	
<i>Perna perna</i>	South American rock mussel	10	30	17	0.38	http://www.biosecurity.govt.nz/pests/perna-perna
<i>Perna viridis</i>	Green mussel	23.6	23.6	16.5	1.24	
<i>Protothaca staminea</i>	Pacific littleneck clam	9.2	10.2	7.5	0.17	
<i>Ruditapes decussatus</i>	Grooved carpet shell	11.8	11.8	6	0.87	
<i>Ruditapes philippinarum</i>	Japanese carpet shell	10.2	24.7	8	0.56	
<i>Saccostrea commercialis</i>	Sydney cupped oyster	10.8	19.7	22.4	0.93	http://www.fao.org/fishery/culturedspecies/search
<i>Saccostrea cucullata</i>	Hooded oyster	18.7	25.6	20	1.58	
<i>Saxidomus giganteus</i>	Butter clam	9	11.8	13	0.47	
<i>Scapharca broughtonii</i>	Inflated ark	22	25	17.8	0.26	
<i>Scrobicularia plana</i>	Peppery furrow	9.6	12.3	17.8	0.55	
<i>Sinonovacula constricta</i>	Constricted tagelus	15	20	25.6	0.87	http://www.fao.org/fishery/culturedspecies/search
<i>Soletellina diphos</i>	Diphos sanguin	21.8	28.3	12	0.87	
<i>Tresus nuttallii</i>	Pacific horse clam	2	20	22.5	0.47	Lauzier <i>et al.</i> ⁷³
<i>Tridacna crocea</i>	Crocus giant clam	26.8	28.4	15	0.17	
<i>Tridacna derasa</i>	Smooth giant clam	28.5	28.5	60	0.11	

Tridacna squamosa	Fluted giant clam	24.5	28.9	45	0.22
Venerupis aurea	Golden carpet shell	7.2	10	4.5	0.55
Venerupis pullastra	Pullet carpet shell	10.3	12.3	5	0.47
Venerupis rhomboides	Banded carpet shell	7.2	10	4.5	0.55
Venus verrucosa	Warty venus	9.6	15.9	17.8	0.25

Supplementary References

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