

Supplementary Table. Source of life history parameters for the reef fish species included in the meta-analysis.

Family	Scientific name	Longevity source	Growth source	Maturity source
Haemulidae	<i>Diagramma pictum</i>		(Baillon, 1994)	(Grandcourt et al., 2011)
Haemulidae	<i>Haemulon album</i>		(Gaut and Munro, 1983)	(Gaut and Munro, 1983)
Haemulidae	<i>Haemulon parra</i>		(Valle et al., 1997)	
Haemulidae	<i>Haemulon plumierii</i>	(Araújo and Martins, 2007)	(Araújo and Martins, 2007)	(Araújo and Martins, 2007)
Haemulidae	<i>Haemulon sciurus</i>	(Pitt et al., 2010)	(Pitt et al., 2010)	
Haemulidae	<i>Microlepidotus brevipinnis</i>	(Espino-Barr et al., 2010)	(Espino-Barr et al., 2010)	
Haemulidae	<i>Orthopristis ruber</i>	(Guerrieri et al., 2015)	(Guerrieri et al., 2015)	
Haemulidae	<i>Parapristipoma trilineatum</i>	(Doiuchi et al., 2007)	(Doiuchi et al., 2007)	
Haemulidae	<i>Plectorhinchus pictus</i>	(Wenjia et al., 2015)	(Wenjia et al., 2015)	
Haemulidae	<i>Plectorhinchus sordidus</i>	(Grandcourt et al., 2011)	(Grandcourt et al., 2011)	(Grandcourt et al., 2011)
Haemulidae	<i>Pomadasys argenteus</i>	(Mathews and Samuel, 1991)	(Kulbicki et al., 2009)	
Haemulidae	<i>Pomadasys commersonnii</i>		(Torres Jr. and Pauly, 1991)	
Haemulidae	<i>Pomadasys kaakan</i>	(Al-Husaini et al., 2002)	(Al-Husaini et al., 2002)	(Al-Husaini et al., 2002)
Haemulidae	<i>Pomadasys maculatus</i>	(Bade, 1989)	(Bade, 1989)	(Bade, 1989)
Labridae	<i>Bodianus axillaris</i>	(Hubble, 2003)	(Hubble, 2003)	
Labridae	<i>Bodianus frenchii</i>	(Cossington et al., 2010)	(Cossington et al., 2010)	(Cossington et al., 2010)
Labridae	<i>Bodianus mesothorax</i>	(Hubble, 2003)	(Hubble, 2003)	
Labridae	<i>Choerodon cauteroma</i>	(Fairclough, 2005)	(Fairclough, 2005)	(Fairclough, 2005)
Labridae	<i>Choerodon cyanodus</i>	(Fairclough, 2005)	(Fairclough, 2005)	(Fairclough, 2005)
Labridae	<i>Choerodon fasciatus</i>	(Hubble, 2003)	(Hubble, 2003)	
Labridae	<i>Choerodon rubescens</i>	(Nardi et al., 2006)	(Fairclough, 2005)	(Fairclough, 2005)
Labridae	<i>Choerodon schoenleinii</i>	(Ebisawa et al., 2010)	(Ebisawa et al., 2010)	(Ebisawa et al., 2010)
Labridae	<i>Cheilinus undulatus</i>	(Choat et al., 2006)	(Sadovy et al., 2007)	(Sadovy et al., 2007)
Labridae	<i>Cheilinus fasciatus</i>	(Hubble, 2003)	(Hubble, 2003)	
Labridae	<i>Lachnolaimus maximus</i>	(McBride and Richardson, 2007)	(McBride and Richardson, 2007)	(McBride et al., 2008)
Labridae	<i>Thalassoma lunare</i>	(Ackerman, 2004)	(Ackerman, 2004)	(Ackerman, 2004)
Shark-Lamnidae	<i>Isurus oxyrinchus</i>	(Semba et al., 2009)	(Semba et al., 2009)	(Semba et al., 2009)

Family	Scientific name	Longevity source	Growth source	Maturity source
Serranidae	<i>Aethaloperca roga</i>	(Maplestone et al., 2009)	(Maplestone et al., 2009)	
Serranidae	<i>Anyperodon leucogrammicus</i>	(Maplestone et al., 2009)	(Maplestone et al., 2009)	
Serranidae	<i>Cephalopholis argus</i>	(Donovan et al., 2013)	(Donovan et al., 2013)	
Serranidae	<i>Cephalopholis boenak</i>	(Chan and Sadovy, 2002)	(Chan and Sadovy, 2002)	(Chan and Sadovy, 2002)
Serranidae	<i>Cephalopholis cruentata</i>	(Potts and Manooch, 1999)	(Potts and Manooch, 1999)	
Serranidae	<i>Cephalopholis fulva</i>	(Trott, 2006)	(Trott, 2006)	
Serranidae	<i>Cephalopholis miniata</i>	(Mathews and Samuel, 1991)	(Mathews and Samuel, 1991)	
Serranidae	<i>Cephalopholis panamensis</i>	(Craig et al., 1999)	(Craig et al., 1999)	(Erisman et al., 2010)
Serranidae	<i>Cephalopholis spiloparaea</i>	(Fry et al., 2006)	(Fry et al., 2006)	
Serranidae	<i>Cephalopholis taeniops</i>	(Tariche et al., 2015)	(Tariche et al., 2015)	(Pastor et al., 2002)
Serranidae	<i>Cephalopholis urodeta</i>	(Fry et al., 2006)	(Fry et al., 2006)	
Serranidae	<i>Cromileptes altivelis</i>	(Williams et al., 2009)	(Williams et al., 2009)	
Serranidae	<i>Diplectrum formosum</i>	(Bublely and Pashuk, 2010)	(Bublely and Pashuk, 2010)	(Bublely and Pashuk, 2010)
Serranidae	<i>Diplectrum labarum</i>		(Morales-Nin, 1994)	(Foster and Vincent, 2010)
Serranidae	<i>Diplectrum macropoma</i>		(Morales-Nin, 1994)	
Serranidae	<i>Epinephelus adscensionis</i>	(Burton et al., 2012)	(Burton et al., 2012)	
Serranidae	<i>Epinephelus areolatus</i>	(Mathews and Samuel, 1991)	(Mathews and Samuel, 1991)	(Mahmoud and others, 2009)
Serranidae	<i>Epinephelus chlorostigma</i>	(Grandcourt, 2002)	(Grandcourt, 2002)	(Mees, 1992)
Serranidae	<i>Epinephelus coioides</i>	(Grandcourt et al., 2005)	(Grandcourt et al., 2005)	(Grandcourt et al., 2005)
Serranidae	<i>Epinephelus cyanopodus</i>	(Loubens, 1980)	(Loubens, 1980)	
Serranidae	<i>Epinephelus diacanthus</i>	(Mehanna et al., 2013)	(Edwards and Shafer, 1991)	
Serranidae	<i>Epinephelus fuscoguttatus</i>	(Grandcourt, 2005)	(Grandcourt, 2005)	(Pears et al., 2006)
Serranidae	<i>Epinephelus guttatus</i>	(Sadovy et al., 1992)	(Sadovy et al., 1992)	(Sadovy et al., 1992)
Serranidae	<i>Epinephelus itajara</i>	(Bullock et al., 1992)	(Bullock et al., 1992)	
Serranidae	<i>Epinephelus labriformis</i>	(Craig et al., 1999)	(Craig et al., 1999)	
Serranidae	<i>Epinephelus latifasciatus</i>	(Mathews and Samuel, 1991)	(Mathews and Samuel, 1991)	(Sujatha and Shrikanya, 2013)
Serranidae	<i>Epinephelus maculatus</i>	(Loubens, 1980)	(Loubens, 1980)	(Loubens, 1980)

Family	Scientific name	Longevity source	Growth source	Maturity source
Serranidae	<i>Epinephelus merra</i>	(Loubens, 1980)	(Pothin et al., 2004)	
Serranidae	<i>Epinephelus morio</i>	(Lombardi-Carlson et al., 2002)	(Lombardi-Carlson et al., 2002)	(Collins et al., 2002)
Serranidae	<i>Epinephelus morrhua</i>	(Fry et al., 2006)	(Fry et al., 2006)	
Serranidae	<i>Epinephelus multinotatus</i>	(Grandcourt, 2005)	(Grandcourt, 2005)	
Serranidae	<i>Epinephelus ongus</i>	(Craig, 2007)	(Ohta and Ebisawa, 2016)	
Serranidae	<i>Epinephelus polyphkadion</i>	(Grandcourt, 2005)	(Rhodes et al., 2011)	(Rhodes et al., 2011)
Serranidae	<i>Epinephelus quoyanus</i>	(Mapleston et al., 2009)	(Mapleston et al., 2009)	(Al-Salamah, 2014)
Serranidae	<i>Epinephelus radiatus</i>	(Mahé et al., 2016)	(Mahé et al., 2016)	
Serranidae	<i>Epinephelus rivulatus</i>	(Loubens, 1980)	(Loubens, 1980)	(Mackie, 2000)
Serranidae	<i>Epinephelus striatus</i>	(Bush et al., 2006)	(Bush et al., 2006)	(Sadovy and Colin, 1995)
Serranidae	<i>Epinephelus tauvina</i>	(Mathews and Samuel, 1991)	(Mathews and Samuel, 1991)	(El-Sayed and Abdel-Bary, 1999)
Serranidae	<i>Epinephelus tukula</i>	(Grandcourt, 2005)	(Grandcourt, 2005)	
Serranidae	<i>Hyporthodus mystacinus</i>	(Farmer et al., 2016)	(Farmer et al., 2016)	(Farmer et al., 2016)
Serranidae	<i>Hyporthodus nigrurus</i>	(Manooch, 1987)	(Manooch, 1987)	(Farmer et al., 2016)
Serranidae	<i>Hyporthodus niveatus</i>	(Kowal, 2010)	(Kowal, 2010)	(Wyanski et al., 2000)
Serranidae	<i>Hyporthodus octofasciatus</i>	(Wakefield et al., 2013)	(Wakefield et al., 2013)	(Wakefield et al., 2013)
Serranidae	<i>Hyporthodus quernus</i>	(Nichols and DeMartini, 2008)	(Nichols and DeMartini, 2008)	(DeMartini et al., 2011)
Serranidae	<i>Mycteroperca bonaci</i>	(Crabtree and Bullock, 1998)	(Crabtree and Bullock, 1998)	(Crabtree and Bullock, 1998)
Serranidae	<i>Mycteroperca fusca</i>	(Bustos et al., 2009)	(Bustos et al., 2009)	(Bustos et al., 2010)
Serranidae	<i>Mycteroperca interstitialis</i>	(Manickchand-Heileman and Phillip, 2000)	(Burton et al., 2014)	
Serranidae	<i>Mycteroperca microlepis</i>	(Hood and Schlieder, 1992)	(Hood and Schlieder, 1992)	(McGovern et al., 1998)
Serranidae	<i>Mycteroperca olfax</i>	(Usseglio et al., 2015)	(Usseglio et al., 2015)	(Usseglio et al., 2015)
Serranidae	<i>Mycteroperca phenax</i>	(Harris et al., 2002)	(Harris et al., 2002)	(Harris et al., 2002)
Serranidae	<i>Mycteroperca venenosa</i>	(Burton et al., 2015)	(Burton et al., 2015)	
Serranidae	<i>Paralabrax maculatofasciatus</i>	(Andrews et al., 2005)	(Andrews et al., 2005)	(Allen et al., 1995)

Family	Scientific name	Longevity source	Growth source	Maturity source
Serranidae	<i>Plectropomus laevis</i>	(Grandcourt, 2005)	(Heupel et al., 2010)	(Heupel et al., 2010)
Serranidae	<i>Plectropomus leopardus</i>	(Loubens, 1980)	(Ferreira, 1995)	(Ferreira, 1995)
Serranidae	<i>Plectropomus maculatus</i>	(Ferreira and Russ, 1992)	(Ferreira and Russ, 1992)	(Ferreira, 1993)
Serranidae	<i>Pronotogrammus martinicensis</i>	(McBride et al., 2009)	(McBride et al., 2009)	
Serranidae	<i>Variola albimarginata</i>	(Mapleston et al., 2009)	(Mapleston et al., 2009)	
Serranidae	<i>Variola louti</i>	(Grandcourt, 2005)	(Grandcourt, 2005)	
Shark-Alopiidae	<i>Alopias pelagicus</i>	(Drew et al., 2015)	(Drew et al., 2015)	(Drew et al., 2015)
Shark-Alopiidae	<i>Alopias superciliosus</i>	(Fernandez-Carvalho et al., 2011)	(Liu et al., 1998)	
Shark-Carcharhinidae	<i>Carcharhinus amblyrhynchos</i>	(Robbins, 2006)	(Robbins, 2006)	(Robbins, 2006)
Shark-Carcharhinidae	<i>Carcharhinus cautus</i>	(White et al., 2002)	(White et al., 2002)	(White et al., 2002)
Shark-Carcharhinidae	<i>Carcharhinus falciformis</i>	(Bonfil et al., 1993)	(Bonfil et al., 1993)	(Branstetter, 1987)
Shark-Carcharhinidae	<i>Carcharhinus leucas</i>	(Neer et al., 2005)	(Neer et al., 2005)	
Shark-Carcharhinidae	<i>Carcharhinus limbatus</i>	(Killam and Parsons, 1989)	(Killam and Parsons, 1989)	(Castro, 1996)
Shark-Carcharhinidae	<i>Carcharhinus melanopterus</i>	(Chin et al., 2013)	(Chin et al., 2013)	(Chin et al., 2013)
Shark-Carcharhinidae	<i>Carcharhinus obscurus</i>	(Simpfendorfer et al., 2002)	(Simpfendorfer et al., 2002)	(Simpfendorfer et al., 2002)
Shark-Carcharhinidae	<i>Carcharhinus plumbeus</i>	(Romine et al., 2006)	(Romine et al., 2006)	(Romine et al., 2006)
Shark-Carcharhinidae	<i>Carcharhinus sorrah</i>	(Davenport and Stevens, 1988)	(Davenport and Stevens, 1988)	(Harry et al., 2013)
Shark-Carcharhinidae	<i>Carcharhinus tilstoni</i>	(Davenport and Stevens, 1988)	(Davenport and Stevens, 1988)	(Harry et al., 2013)
Shark-Carcharhinidae	<i>Loxodon macrorhinus</i>	(Gutteridge et al., 2013)	(Gutteridge et al., 2013)	(Gutteridge et al., 2013)

Family	Scientific name	Longevity source	Growth source	Maturity source
Shark-Carcharhinidae	<i>Negaprion brevirostris</i>	(Brown and Gruber, 1988)	(Brown and Gruber, 1988)	(Gruber and Pulos, 1982)
Shark-Carcharhinidae	<i>Rhizoprionodon acutus</i>	(Ba et al., 2015)	(Ba et al., 2015)	(Henderson et al., 2006)
Shark-Carcharhinidae	<i>Rhizoprionodon porosus</i>	(Lessa and Santana, 1998)	(Lessa and Santana, 1998)	(Mattos et al., 2001)
Shark-Carcharhinidae	<i>Rhizoprionodon taylori</i>	(Simpfendorfer, 1993)	(Simpfendorfer, 1993)	(Simpfendorfer, 1992)
Shark-Carcharhinidae	<i>Rhizoprionodon terraenovae</i>	(Loefer and Sedberry, 2003)	(Parsons, 1985)	
Shark-Carcharhinidae	<i>Triaenodon obesus</i>	(Robbins, 2006)	(Robbins, 2006)	(Robbins, 2006)
Shark-Sphyrnidae	<i>Sphyrna lewini</i>	(Piercy et al., 2007)	(Piercy et al., 2007)	(Liu and Chen, 1999)
Shark-Sphyrnidae	<i>Sphyrna mokarran</i>	(Piercy et al., 2010)	(Piercy et al., 2010)	(Piercy et al., 2010)
Shark-Sphyrnidae	<i>Sphyrna tiburo</i>	(Carlson and Parsons, 1997)	(Parsons, 1993)	(Lombardi-Carlson et al., 2003)

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