

Supplementary material

**Comparison of life histories of two deep-water sharks from eastern Australia:
the piked spurdog and the Philippine spurdog**

Cassandra L. Rigby^{A,C}, *Ross K. Daley*^B and *Colin A. Simpfendorfer*^A

^ACentre for Sustainable Tropical Fisheries and Aquaculture & School of Earth and Environmental Sciences, James Cook University, Townsville, Qld 4811, Australia.

^BInstitute for Marine and Antarctic Studies, University of Tasmania, Private Bag 129, Hobart, Tas. 7001, Australia.

^CCorresponding author. Email: cassandra.rigby@my.jcu.edu.au

Table S1. Female reproductive data for *S. megalops* and *S. montalbani*

U, unknown sex

Maternal L_{ST} (mm)	Number	Embryos					Size L_{ST} (mm)	Percentage maternal L_{ST}	Comments
		Uterus		Sex					
		L	R	M	F	U			
<i>S. megalops</i>									
423	2	1	1	1	1		157–158	37.1	Near term pups, 1 yolked oocytes (32 mm each diameter) in each ovary
<i>S. montalbani</i>									
849	9	4	5			9	110–115		Embryos, 10 yolked oocytes, numerous undeveloped oocytes and an atretic oocyte Additional breeding animals observed at sea (Ken Graham, Australian Museum, pers. comm. 2015)
CSIRO 2009 gulper survey (Williams <i>et al.</i> 2012)									
800	6	3	3	1	5		234–245	29.3–30.6	Near term embryos, 5 yolked oocytes
870	12	6	6			12			New candles, embryos not visible
CSIRO 2011 gulper survey (Williams <i>et al.</i> 2013), from Recorder Seamount, southern Queensland.									
1080	12	6	6	7	5		120–130		No yolked oocytes
1100	16	7	9	8	8		140–150		No yolked oocytes

References

- Williams, A., Daley, R., Green, M., Barker, B., and Knuckey, I. (2012). Mapping the Distribution and Movement of Gulper Sharks, and Developing a Non-extractive Monitoring Technique, to Mitigate the Risk to Species Within a Multi-sector Fishery Region of Southern and Eastern Australia. FRDC Final Report Project 2009/024. Fisheries Research and Development Corporation, Australia, Canberra.
- Williams, A., Green, M. A., Graham, K., Upston, J., Barker, B., and Althaus, F. (2013). Determining the Distribution of Gulper Sharks on Australia's Eastern Seamount Chain and the Selectivity of Power Handline Fishing in Regard to Seamount Populations of Blue-eye Trevalla and Harrison's Dogfish. Final Report to AFMA. CSIRO Marine and Atmospheric Research, Hobart, Tasmania.