

1 **Online Resource 1:** Histological processing steps used to serially dehydrate anemone tissue
 2 after fixation but prior to embedding. This protocol is modified from Carlisle et al. (2017).

3

Process	Solution	Duration
Rinsing	Deionized water	15 min
	Running tap water	4 hr
Dehydration	50% ethanol	50 min
	70% ethanol	Overnight
	90% ethanol	50 min
	100% ethanol I	50 min
	100% ethanol II	50 min
	100% ethanol III	50 min
Clearing	1:1 100% ethanol:Xylene	50 min
	Xylene I	50 min
	Xylene II	50 min
Embedding	Histoplast paraffin wax I	1 hr
	Histoplast paraffin wax II	1 hr
	Histoplast paraffin wax III	1 hr
	Histoplast paraffin wax IV	1 hr

4

5 Carlisle JF, Murphy GK, Roark AM (2017) Body size and symbiotic status influence gonad development in
 6 *Aiptasia pallida* anemones *Symbiosis* 71:121-127 doi:10.1007/s13199-016-0456-1

7