

Table S2. *Urosalpinx cinerea* field site information, specimen collector, number of specimens collected, date that breeding pairs were introduced to experimental conditions. Breeding pairs were established within one week of collection. NOAA Station IDs are the closest available sites used to gather publicly available data for calculating 3-year average daily regional temperatures.

Temperature Region	Collection site	U.S. State	Date paired	Latitude °N	Longitude °W	NOAA Station ID
South	Skidaway	Georgia	3/2/23	31.990	81.021	8670870
South	Folly Beach	South Carolina	3/2/23	32.660	79.943	8665530
Mid	Beaufort	North Carolina	3/2/23	34.718	76.671	8656483
Mid	Cape Henlopen	Delaware	4/6/23	38.789	75.102	*
North	Fort Wetherill State Park	Rhode Island	3/24/23	41.478	71.360	8452660
North	Cape Cod	Massachusetts	6/9/23	41.542	70.617	8447930
North	Great Bay	New Hampshire	6/9/23	43.107	70.863	8419870
Cali	Richardson Bay	California	4/13/23	37.894	122.497	9414290
Cali	Coyote Point	California	4/13/23	37.591	122.324	9414523
Cali	Tomales Bay	California	4/20/23	38.118	122.867	9415020
Cali	Willapa Bay	Washington	6/7/23	46.501	124.030	*

\* NOAA sea surface temperature from OPS-API not used to calculate average regional temperature.