**ESM 2** The diet sources used in the mixing model analysis for *Leptodius exaratus* and *Pilumnopeus convexus* (AM = adult male, AF =adult female, JM = juvenile male, JF = juvenile female)

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Sample name** | ***Leptodius exaratus*** | | ***Pilumnopeus convexus*** | |
| **Adults** | **Juveniles** | **Adults** | **Juveniles** |
| Brown algal mat | √ | √ | √ | √ |
| Green algal mat | √ | √ | √ | √ |
| *Padina* spp. | √ | √ | √ | √ |
| *Ectocarpus* spp. | √ | √ | √ | √ |
| *Giffordia* spp. | √ | √ | √ | √ |
| *Siphonaria*  spp. | √ | √ | √ | √ |
| *Acar plicata* | √ | √ | √ | √ |
| *Marcia spp.* | √ | √ | √ | - |
| *Saccostrea cucullata* | √ | √ | √ | - |
| *Thais savignyi* | √ | √ | √ | - |
| *Lunella coronata* | √ | √ | √ | √ |
| *Cerithium caeruleum* | √ | √ | √ | √ |
| *Clanculus pharaonius* | √ | √ | √ | √ |
| *Clypeomorus* spp. | √ | √ | √ | √ |
| *Diodora rueppellii* | √ | √ | √ | √ |
| *Ergalatax junionae* | √ | √ | √ | √ |
| *Microeuraphia withersi* | √ | √ | √ | √ |
| *Lepidonotus tenuisetosus* | √ | √ | √ | √ |
| *Pomatoleios kraussii* | √ | √ | √ | √ |
| *Nereis* spp. | √ | √ | √ | - |
| Isopod | √ | √ | √ | √ |
| Amphipod | √ | √ | √ | √ |
| *Alpheus* spp. | √ | √ | √ | √ |
| Hermit crabs | √ | √ | √ | √ |
| *Petrolisthes* spp. | √ | √ | √ | √ |
| *Nanosesarma minutum* | √ | √ | √ | √ |
| *Pilumnopeus convexus* AM | √ | - | - | - |
| *Pilumnopeus convexus* AF | √ | - | - | - |
| *Pilumnopeus convexus* JM | √ | √ | √ | - |
| *Pilumnopeus convexus* JF | √ | √ | √ | - |
| *Leptodius exaratus* J | √ | - | √ | - |