

## Key to Genera and Species of Decapod Larvae Present in Ungava Bay

(From observations and various authors. Tables 4–12)

Larvae of species shown in parentheses not taken in Ungava Bay

1. Carapace somewhat globular and with large spines, abdomen slender, curved backward ..... 2
  - Carapace and abdomen elongate, shrimp-like ..... 5
2. Telson forked and without uropods; carapace with long rostral, posterior dorsal and lateral spines ..... *Hyas* ..... 3
  - Telson truncate and with uropods in later stages; carapace with only a long rostral spine ..... *Pagurus* ..... 4
3. Zoea with about one-third of dorsal and rostral spines covered with minute spinules shorter than the width of the spine where attached ..... (*Hyas araneus*)
  - Zoea with about one-third of dorsal and rostral spines covered with stout spinules longer than the width of the spine where attached ..... *Hyas coarctatus*
4. Antennal flagellum styliform ..... (*Pagurus acadianus*)
  - Antennal flagellum bifid ..... *Pagurus pubescens*
5. Abdomen with a dorsolateral spine on somites 4 and 5 or on somite 5 only ..... 7, 8
  - Abdomen without dorsolateral spine on any somite .. *Pandalus* ..... 6
6. Stages I and II Zoea about 6–7 mm in total length; Stages II and III with many setae on antennal scale and scaphognathite ..... *Pandalus borealis*
  - Stages I and II Zoea about 4–5 mm in total length; Stages II and III with few setae on antennal scale and scaphognathite ..... *Pandalus montagui*
7. Dorsolateral spine on abdominal somite 5 only (not in Ungava Bay)
  - Denticles on abdominal somites 4 and 5 ..... (*Pandalus propinquus*)
  - Denticles on abdominal somites 3 and 4 ..... (*Dichelopandalus*)
8. Exopods on some of the pereopods ..... 9
  - No exopods on pereopods ..... 13
9. Exopods on first to third or first and second pereopods
  - Exopods on first to third pereopods ..... *Eualus* ..... 10

- Exopods on first and second pereopods ..... *Spirontocaris* ..... 12
- 10. Total length of Stage I Zoea about 5 mm ..... 11
  - Dorsolateral spines on abdominal somites 4 and 5 ..... *Eualus fabricii*
  - Dorsolateral spines on abdominal somite 5 only ..... *Eualus gaimardi*
- 11. Total length of Stage I Zoea 3 mm or less
  - Total length of Stage I Zoea 3 mm; spines on telson 7+7 ..... (*Eualus macilentus*)
  - Total length of Stage I Zoea 2 mm; spines on telson 6+6 ..... (*Eualus pusiolus*)
- 12. Exopods on first and second pereopods only ..... *Spirontocaris* .....
  - Stages I and II Zoea about 6–7 mm total length; many setae on anterior lobe of scaphognathite; centre pair of terminal spines of telson not much smaller than others ..... *Spirontocaris phippisi*
  - Stages I and II Zoea less than 6 mm total length; relatively few setae on anterior lobe of scaphognathite; central pair of terminal spines on telson much smaller than others in Stages I–IV ..... *Spirontocaris spinus*
- 13. Very large Zoeae, Stages I and II about 9–11 mm or more in total length; chela of first pereopod pre-subchelate ..... 15
  - Moderately large Zoeae, Stages I and II about 8–9 mm or less in total length; chela of first pereopod clearly chelate ..... *Lebbeus* ..... 14
- 14. Terminal spines of telson 11 + 11 ..... *Lebbeus groenlandicus*
  - Terminal spines of telson 9 + 9 ..... *Lebbeus polaris*
- 15. Pleopods well developed in Stage I Zoea; expansion present on outer edge of first article of antennule in Stage II ..... 16
  - Pleopods not developed in Stages I or II Zoea; expansion lacking on outer edge of first article of antennule in Stage II ..... (*Crangon septemspinosa*)
- 16. Dorsolateral spine on abdominal somite 5 only ..... *Argis dentata*
  - Dorsolateral spines on all abdominal somites ..... *Sabinea septemcarinata*