Freely articulated telson present

- Telson with 0-2 or more terminal, apical setae
  - Male with at least 3 pairs of pleopods
    - Uropod endopod uni-articulate
      - CERATOCUMIDAE
  - Male with 0-2 pairs of pleopods
    - Female with exopods on pereopods 1-3
      - Mandible truncate
        - LEUCONIDAE

- Telson with 3 or more terminal, apical setae
  - Uropodal peduncle subequal to telson
    - LAMPROPIDAE

Telson fused or absent

- Uropod endopod bi-articulate;
  - Male 2nd antenna with flagellum articles short
    - NANNASTACIDAE
- Uropod endopod uni-articulate
  - Male 2nd antenna with long flagellum article
    - NANNASTACIDAE

- Male with 5 pairs of pleopods
  - Female with exopods on pereopods 1-3
    - Pleopod endopod with process
      - Thoracic segments usually reduced
        - Mandible normal
          - BODOTRIIDAE
  - Female with exopods on pereopods 1-4
    - Pleopods endopod without a process
      - Thoracic segments not reduced
        - Mandible truncate
          - LEUCONIDAE

- Male with 0-2 pairs of pleopods
  - Female with exopods on pereopods 1-3
    - LEUCONIDAE