|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Antennular segment** | **Proposed nomenclatural marks for setal elements** | **Element type** | ***Monstrilla grandis* ♀** | ***Monstrilla ilhoii* ♀** | ***Monstrilla ilhoii* ♂** | ***Cymbasoma striifrons* ♀** | ***Monstrillopsis longilobata* ♀**  | ***Monstrillopsis longilobata* ♂** | ***Monstrillopsis coreensis* ♂** | ***Caromiobenella castorea* ♂** | ***Caromiobenella polluxea* ♂** | ***Caromiobenella hamatapex* ♀** |
| **1st segment** | 1 | Spine or setiform seta**N1** | O | O | O | O | O | O | O | O | O | short, naked seta |
| **2nd segment(or purported 2nd)** | 2d1 | Spine | 2d1-3, 2v1-2\* | O | O | O | O | O | O | O | O | five spines, single seta |
| 2d2 | Spine or setiform seta **N2** | O | O | O | O | O | O | O | O |
| 2v1 | Spine | O | O | O | O | O | O | O | O |
| 2v2 | Spine | O | O | O | O | O | O | O | O |
| 2v3 | Spine or setiform seta **N3** | O | O | O | O | O | O | O | O |
| IId | Seta | O | O | O | O | O | O | O | O | O |
| **3rd segment(or purported 3rd)** | 3 | Spine | O | O | O | O | O | O | O | O | O | two setae, single spine |
| IIId | Seta | O | O | O | O | O | O | O | O | O |
| IIIv | Seta | O | O | O | O | O | O | O | O | O |
| **4th segment(or purported 4th)** | 4d1 | Spine | O | O | O | O | O | O | O | O | O | five spines, two setae; "4a" not present |
| 4d2 | Spine | O | O | O | O | O | O | O | O | O |
| 4a | Spine | X | 4d3 | arrowed | X | X | \*\*\* | \*\*\* | 4da | 4da |
| 4v1 | Spine | O | O | O | O | O | O | O | O | O |
| 4v2 | Spine | O | O | O | O | O | O | O | O | O |
| 4v3 | Spine | O | O | O | O | O | O | O | O | O |
| IVd | Seta | O | O | O | O | O | X | X | X | X |
| IVv | Seta | O | O | X | O | O | O | O | O | O |
| 4aes | Aesthetasc | O | O | O | O | O | O | O | O | O | O |
| **5th segment(or purported 5th)** | 51 | Spine | 61, 62\* | 62 | 2 | 61, 62 \* | O | 1 | 1 | 61 | 61 | 61 |
| 52 | Spine | 61 | 1 | O | 2 | 2 | 62 | 62 | 62 |
| 53 | Spine | 5 | 5 | 6 | 5 | O | 6 | 6 | 63 | 63 | 5-seta |
| 5a | Spine | X | arrowed | \*\* | X | X | arrowed | arrowed | 7 | 7 | X |
| A | Seta | b1 – 4 \* | b1 | O | b1 – 6 \* | O | O | O | O | O | Six outer distal b-setae |
| B | Seta | b2 | C | O | O | C | O | O |
| C | Seta | b5 | B | O | D | B | O | O |
| D | Seta | b3 | O | O | C | O | O | O |
| a | Seta | b5 | b4 | 4 | O | 4 | 4 | b | b |
| b | Seta | X | b6 | 3 | O | 3 | 3 | a | a |
| Vd | Seta | O | O | 5 | O | O | X | X | X | X | three setae |
| Vm | Seta | O | O | X | O | O | X | X | X | X |
| Vv | Seta | O | O | X | O | O | 5 | 5 | O | O |
| 5aes | Aesthetasc | X | 6aes | not labeled | 6aes | O | 6aes | 6aes | 6aes | 6aes | 6aes |
| **References** | Chang, 2014 | Lee & Chang, 2016 | Chang, 2012 | This study | Lee, Kim & Chang, 2016 | Jeon, Lee & Soh, 2018 | Chang, 2014 |

**O**, element present; labeled, described or both with the same nomenclatural terms of this study.

**X**, element absent; not described nor illustrated in the previous reports.

**Any other marks in the data table**, element present but described and/or illustrated with different nomenclatural terms; terms are given in this table as in original reports.

**N#** Element is sometimes rather in setiform in some monstrilloid species.

 **N1** Setiform element 1 has been often reported from the species of *Cymbasoma* (see Suárez-Morales & McKinnon, 2016; Jeon, Lee & Soh, 2018).

 N2 Setiform element 2d2 has been reported from the species of *Cymbasoma* and *Caromiobenella*.

 N3 Setiform element 2v3 has been reported at least from two *Monstrilla* species, *M*. *inserta* Scott, 1909 and *M*. *brasiliensis* Dias & Suárez-Morales, 2000 (see Suárez-Morales & Dias, 2000).

\* Elements that have been checked the presence but failed localization using the proposed terms. This problem is mainly caused by lack of labels and/or detailed descriptions on the position from original studies.

\*\* Element is absent in original description, but has been checked its presence with *Monstrilla ilhoii* Lee & Chang, 2016 from Ulsan, Korea.

\*\*\* Element depicted in the illustrations, but not explicitly described and/or mentioned in text.

References

Chang CY. 2012. First record of monstrilloid copepods in Korea: description of a new species of the genus *Cymbasoma* (Monstrilloida, Monstrillidae). *Animal Systematics Evolution and Diversity* 28(2):126–132 DOI 10.5635/ASED.2012.28.2.126.

Chang CY. 2014. Two new records of monstrilloid copepods (Crustacea) from Korea. *Animal Systematics Evolution and Diversity* 30(3):206–214 DOI 10.5635/ASED.2014.30.3.206.

Jeon D, Lee W, Soh HY. 2018. A new genus and two new species of monstrilloid copepods (Copepoda: Monstrillidae): integrating morphological, molecular phylogenetic, and ecological evidence. *Journal of Crustacean Biology* 38(1):45–65 DOI 10.1093/jcbiol/rux095.

Lee J, Chang CY. 2016. A new species of *Monstrilla* Dana, 1849 (Copepoda: Monstrilloida: Monstrillidae) from Korea, including a key to species from the north-west Pacific. *Zootaxa* 4174(1):396–409 DOI 10.11646/zootaxa.4174.1.24.

Lee J, Kim D, Chang CY. 2016. Two new species of the genus *Monstrillopsis* Sars, 1921 (Copepoda: Monstrilloida: Monstrillidae) from South Korea. *Zootaxa* 4174(1):410–423 DOI 10.11646/zootaxa.4174.1.25.

Suárez-Morales E, Dias C. 2000. Two new species of *Monstrilla* (Copepoda: Monstrilloida) from Brazil. *Journal of the Marine Biological Association of the United Kingdom* 80(6):1031–1039 DOI 10.1017/s002531540000309x.