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| Character | *M. nesus* (paratypes) (Bowman, 1986) | *M. texensis* s. str.(Wilson, 1953) | *M. alexei* sp. n.  | *M. ha* sp. n.  | *M. cihuatlan* sp. n. | *M. maya* (Suárez-Morales and Elías-Gutiérrez 2000) | *M. reidae* (Suárez-Morales and Elías-Gutiérrez 2000) | *M. siankaanensis* (Mercado-Salas et al., 2018) |
| ♀, ♂; Antennae, Enp2, (NE) on medial lobe + terminal lobe | 8 + 7  | ? | 9 + 7 | 9 + 7 | 7 + 7 | 6 + 6 | 8 + 7 | 9 + 7 |
| ♀, ♂; Maxillule, praecoxal arthrite, (NE) on anterior group + posterior group | 8 + 4 | ? | 9 + 4 | 11 + 4 | 10 + 4 | 9 + 4 | 10 + 4 | 11 + 4 |
| ♀, ♂; Maxilla, (NE) on praecoxal + coxal lobes | 5, 3 + 3, 3 | ? | 4, 3 + 3, 3 | 4, 3 + 3, 3 | 5, 3 + 3, 3 | 4, 3 + 2, 3 | ? | 5, 3 + 2, 3 |
| ♀, ♂; Maxilla, (NE) on endopodites | 1, 2, 3 | ? | 1, 1, 3 | 1, 2, 3 | 1, 2, 3 | 1, 1, 3 | ? | 1, 4 |
| ♀, Antennules | Beyond caudal rami by last four segments | Beyond caudal rami by last two segments | Reaches distal margin of caudal rami | Reaches medial length of anal somite | Beyond caudal rami by last six segments | Reaches proximal third of genital somite | Reaches distal margin of genital somite | Beyond caudal rami by last one or two segments |
| ♀, Setules on Fu margin | On medial and lateral margins | On medial and lateral margins | On medial and lateral margins | On medial and lateral margins | On medial and lateral margins | On medial and lateral margins | On medial margin | On medial and lateral margins |
| L/W, Rostral spines | 2.5 (♀); 2.2 (♂) | ND |  2.6 (♀); 2.3 (♂) | 2.1 (♀); 2.0 (♂) | 4.1 (♀); 4.0 (♂) | 2.0 (♀); 1.4 (♂) | 3.0 (♀); 2.33 (♂) | ND |
| ♀, Lateral margins of genital somite | Left margin slightly pronounced; right margin pronounced | Parallel  | Almost parallel | Almost parallel | Left margin slightly pronounced; right margin pronounced | Almost parallel: right margin longer than left margin  | Left margin slightly pronounced; right margin almost straight | Parallel |
| ♀, Lateral spines on genital double somite | Almost symmetric: same level | Almost symmetric: same level | Asymmetric: right spine more proximal than left spine | Asymmetric: right spine more proximal than left spine | Asymmetric, twisted: right spine more proximal than left spine. Left spine towards dorsal surface. Right margin produced | Almost symmetric: same level | Slightly asymmetric: right spine more proximal than left spine | Almost symmetric: same level |
| ♀, L/W, Genital double somite | 1.2-1.5 | 1.5 | 1.7-1.85 | 1.6-1.7 | 1.2-1.6 | 1.75 | 2.0 | 1.08-1.1 |
| ♀, P5 L Exp1/Enp | 1.6-1.9 | 1.0 | 1.1-1.2 | 1.1-1.2 | 0.8-0.9 | 1.3 | 1.6 | 1.5 |
| ♂, Right A1, spinal process on segment 10 | Short: reaches distal margin of the bearing segment | Extremely small: does not reach distal margin of the bearing segment | Short: reaches distal margin of the bearing segment | Short: reaches distal margin of the bearing segment | Long: beyond distal margin of the bearing segment | Short: reaches distal margin of the bearing segment | Short: reaches distal margin of the bearing segment | Spinal process absent.The strong spine does not reach distal margin of the bearing segment |
| ♂, Right A1, spinal process on segment 11 | Almost as long as or as long as the segment 11 width  | Almost as long as the segment 11 width  | 1.25-1.3 times longer than the segment 11 width | 1.50-1.55 times longer than the segment 11 width | 1.9-2.1 times longer than the segment 11 width | 1.2 times longer than the segment 11 width | 1.6 times longer than the segment 11 width  | Almost as long as the segment 11 width |
| ♂, Right A1, spinal process on segment 16 | Reduced, on half of the segment | Reduced, on distal half | Reduced, on proximal half | Reduced, on proximal half | Reduced, on half of the segment | Reduced, on half of the segment | Strongly developed, on half of the segment | Reduced, on half of the segment |
| ♂, Right A1, spinal process on segment 20 | Fang-like, curved, reaches half-length of segment 21 | Fang-like, curved, reaches half-length of segment 21 | Fang-like, curved, reaches the distal third of segment 21 | Fang-like, curved, reaches half-length of segment 21 | Fang-like, angled, reaches half-length of segment 21 | Knob-like, reaches proximal third of segment 21 | Fang-like, curved, reaches half-length of segment 21 | Fang-like, curved, reaches the distal margin of segment 21 |
| ♂, Left P5, L Exp1/Exp2  | 1.57-2.0 | 3.33 | 2.4-2.7 | 2.5-2.6 | 1.5-1.6 | 2.33-2.5 | 2.0 | 1.7 |
| ♂, P5, right basis armament | One semi-circular lamella on medial margin | One protusion with a crescent-shaped sclerotized lamella + one angled lamella, distally directed on medial margin | One high protrusion + one rounded hyaline membrane on medial margin | One low protrusion + one rounded hyaline membrane on medial margin | One angled basal process + one long hyaline membrane that extends along medial margin of the segment | One basal rounded protrusion | One basal subrectangular protrusion, one basal, bulb-like process, and one semi-circular process on medial margin | One low protrusion |
| ♂, P5, right Exp2 armament (posterior surface) | One long, quadrangular sclerotization | One crescent-shaped sclerotization | One crescent-shaped sclerotization | None, Exp2 smooth | Two rectangular basal sclerotizations + one sclerotized ridge triangular-shape distally | One low, rounded protuberance proximally | One chitinous semi-circular process on proximal third | One slightly curved hyaline membrane |
| ♂, P5, right Exp2, L distal spine/ L Exp2 Segment | 2.2- 2.44 | 2.62 | 2.9-3.3 | 2.8-3.2 | 2.3-2.4 | 1.9-2.1 | 2.3 | 2.1-2.2 |
| ♂, P5, right Enp | Not reaching distal margin of right Exp1 | Not reaching distal margin of right Exp1 | Beyond distal margin of right Exp1 | Beyond distal margin of right Exp1 | Beyond distal margin of right Exp1 | Reaches distal margin of Exp1 | Beyond distal margin of right Exp1 | Beyond distal margin of right Exp1 |
| ♂, Right projection, preanal segment (dorsal) | Rounded | Rounded | With angled protuberance | Rounded | Quadrangular | Quadrangular | With angled protuberance | With angled protuberance |